

## **DATA PACKAGE**

SEMI-VOLATILE ORGANICS  
VOLATILE ORGANICS

**PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221**

**JACOBS ENGINEERING GROUP, INC.**

**412 Mt. Kemble Ave**

**Downtown Building**

**Morristown, NJ - 07960**

**Phone No: 9732670555**

**ORDER ID : Q3757**

**ATTENTION : John Ynfante**



**Laboratory Certification ID # 20012**



|                        |     |
|------------------------|-----|
| 1) Signature Page      | 3   |
| 2) Case Narrative      | 5   |
| 3) Qualifier Page      | 8   |
| 4) QA Checklist        | 9   |
| 5) VOCMS Group3 Data   | 10  |
| 6) VOC-SIM Data        | 185 |
| 7) SVOC-SIMGroup1 Data | 280 |
| 8) Shipping Document   | 421 |
| 8.1) CHAIN OF CUSTODY  | 422 |
| 8.2) Lab Certificate   | 424 |
| 8.3) Internal COC      | 425 |

# DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

1

Laboratory Name : Alliance Technical Group LLC Client : JACOBS Engineering Group, Inc.

Project Location : Princeton Junction Project Number : D4033126

Laboratory Sample ID(s) : Q3757 Sampling Date(s) : 12/03/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8260D,8270-Modified,SFAM\_VOCSIM,SOP**

|    |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                             |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 1A | Were the method specified handling, preservation, and holding time requirements met?                                                                                                                                                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 1B | EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)                                                                                                                                                                             | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A                                                                            |
| 2  | Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?                                                                                                                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 3  | Were samples received at an appropriate temperature (4±2° C)?                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A                                                                            |
| 4  | Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?                                                                                                                                                                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                         |
| 5  | a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?<br><br>b)Were these reporting limits met?                                                                                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 6  | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?                                                                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 7  | Are project-specific matrix spikes and/or laboratory duplicates included in this data set?                                                                                                                                                                                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

## Cover Page

**Order ID :** Q3757

**Project ID :** Former Schlumberger STC PTC Site D3868221

**Client :** JACOBS Engineering Group, Inc.

### Lab Sample Number

Q3757-01  
Q3757-02  
Q3757-03  
Q3757-05  
Q3757-06  
Q3757-07  
Q3757-08  
Q3757-09  
Q3757-10  
Q3757-11  
Q3757-12  
Q3757-14

### Client Sample Number

MW-14A-17.5-120325  
MW-14A-17.5-120325-SIM  
BR-03D-490-120325  
MW-14B-46-120325  
MW-14B-46-120325-SIM  
RMW-05B-90.5-120325  
RMW-05B-90.5-120325-SIM  
OW-05B-72-120325  
OW-05B-72-120325-SIM  
EB01-120325  
TB01-120325  
VHBLK001

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: 12/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger STC PTC Site D3868221**

**Project # N/A**

**Order ID # Q3757**

**Test Name: VOCMS Group3,VOC-SIM,SVOC-SIMGroup1**

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

12 Water samples were received on 12/03/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: VOCMS Group3,VOC-SIM,SVOC-SIMGroup1. This data package contains results for VOCMS Group3(8260-Low),VOC-SIM(SFAM\_VOCSIM),SVOC-SIMGroup1(8270-Modified).

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

VOCMS Group3 : The analysis performed on instrument MSVOA\_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.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 VOCMS Group3 was based on method 8260-Low.

VOC-SIM : The analysis performed on instrument MSVOA\_V were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-SIM was based on method SFAM\_VOCSIM.

SVOC-SIMGroup1 : The samples were analyzed on instrument BNA\_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

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

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except following

VOCMS Group3 : MW-14B-46-120325[Toluene-d8-71%],

MW-14B-46-120325RE[Toluene-d8-77%],

OW-05B-72-120325[Toluene-d8-76%] and

OW-05B-72-120325RE[1,2-Dichloroethane-d4-126%] these compounds did not meet the in-house criteria but met the NJDKQP criteria as a corrective action sample reanalyzed for confirmation and both run reported.

284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

The Surrogate recoveries were met for all analysis except following SVOC-SIMGroup1 : BR-03D-490-120325DL [Terphenyl-d14 - 180%]. This compound did not meet the NJDKQP criteria and in-house criteria, one base surrogate is allowed to fail , Therefor no further corrective action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds. The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements except following

VOCMS Group3 : The Continuous Calibration File ID VN088437.D met the requirements except for 1,2-Dichloroethane is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

SVOC-SIMGroup1 : Sample BR-03D-490-120325 was diluted due to high concentration.

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

SEMI-VOA : The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

VOC-SIM : The SIM analysis is not required for the sample BR-03D-490-120325-SIM as all the SIM target analytes are detected at or above the sample adjusted CRQLs in the full scan analysis, a SIM analysis is not to be performed for that sample."

VOCMS Group3 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

#### **F. Manual Integration Comments:**

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



284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

---

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

Signature\_\_\_\_\_

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value     | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>U</b>  | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                                                                      |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>J</b>  | Indicates an estimated value. This flag is used: <ul style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ul> |
| <b>B</b>  | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>E</b>  | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D</b>  | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>P</b>  | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>N</b>  | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                                                                       |
| <b>A</b>  | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q3757

Completed

For thorough review, the report must have the following:

#### GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

#### COVER PAGE:

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

✓

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

✓

#### CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 12/15/2025

### Hit Summary Sheet SW-846

SDG No.: Q3757  
Client: JACOBS Engineering Group, Inc.

| Sample ID                             | Client ID        | Matrix | Parameter                   | Concentration | C | MDL   | RDL  | Units |
|---------------------------------------|------------------|--------|-----------------------------|---------------|---|-------|------|-------|
| <b>Client ID: BR-03D-490-120325</b>   |                  |        |                             |               |   |       |      |       |
| Q3757-03                              | BR-03D-490-12032 | Water  | Vinyl Chloride              | 3.90          |   | 0.26  | 1.00 | ug/L  |
| Q3757-03                              | BR-03D-490-12032 | Water  | 1,1-Dichloroethene          | 48.1          |   | 0.23  | 1.00 | ug/L  |
| Q3757-03                              | BR-03D-490-12032 | Water  | 1,1-Dichloroethane          | 6.40          |   | 0.23  | 1.00 | ug/L  |
| Q3757-03                              | BR-03D-490-12032 | Water  | cis-1,2-Dichloroethene      | 34.9          |   | 0.19  | 1.00 | ug/L  |
| Q3757-03                              | BR-03D-490-12032 | Water  | Benzene                     | 0.23          | J | 0.15  | 1.00 | ug/L  |
| Q3757-03                              | BR-03D-490-12032 | Water  | 1,2-Dichloroethane          | 3.70          |   | 0.22  | 1.00 | ug/L  |
| Q3757-03                              | BR-03D-490-12032 | Water  | Trichloroethene             | 35.1          |   | 0.090 | 1.00 | ug/L  |
|                                       |                  |        | <b>Total Voc :</b>          | <b>132</b>    |   |       |      |       |
|                                       |                  |        | <b>Total Concentration:</b> | <b>132</b>    |   |       |      |       |
| <b>Client ID: RMW-05B-90.5-120325</b> |                  |        |                             |               |   |       |      |       |
| Q3757-07                              | RMW-05B-90.5-120 | Water  | 1,1-Dichloroethane          | 1.50          |   | 0.23  | 1.00 | ug/L  |
| Q3757-07                              | RMW-05B-90.5-120 | Water  | cis-1,2-Dichloroethene      | 13.1          |   | 0.19  | 1.00 | ug/L  |
| Q3757-07                              | RMW-05B-90.5-120 | Water  | Trichloroethene             | 0.65          | J | 0.090 | 1.00 | ug/L  |
|                                       |                  |        | <b>Total Voc :</b>          | <b>15.3</b>   |   |       |      |       |
|                                       |                  |        | <b>Total Concentration:</b> | <b>15.3</b>   |   |       |      |       |
| <b>Client ID: OW-05B-72-120325</b>    |                  |        |                             |               |   |       |      |       |
| Q3757-09                              | OW-05B-72-12032  | Water  | 1,1-Dichloroethene          | 0.85          | J | 0.23  | 1.00 | ug/L  |
| Q3757-09                              | OW-05B-72-12032  | Water  | cis-1,2-Dichloroethene      | 2.20          |   | 0.19  | 1.00 | ug/L  |
| Q3757-09                              | OW-05B-72-12032  | Water  | Trichloroethene             | 0.44          | J | 0.090 | 1.00 | ug/L  |
|                                       |                  |        | <b>Total Voc :</b>          | <b>3.49</b>   |   |       |      |       |
|                                       |                  |        | <b>Total Concentration:</b> | <b>3.49</b>   |   |       |      |       |
| <b>Client ID: OW-05B-72-120325RE</b>  |                  |        |                             |               |   |       |      |       |
| Q3757-09RE                            | OW-05B-72-12032  | Water  | 1,1-Dichloroethene          | 0.60          | J | 0.23  | 1.00 | ug/L  |
| Q3757-09RE                            | OW-05B-72-12032  | Water  | cis-1,2-Dichloroethene      | 1.50          |   | 0.19  | 1.00 | ug/L  |
| Q3757-09RE                            | OW-05B-72-12032  | Water  | Trichloroethene             | 0.25          | J | 0.090 | 1.00 | ug/L  |
|                                       |                  |        | <b>Total Voc :</b>          | <b>2.35</b>   |   |       |      |       |
|                                       |                  |        | <b>Total Concentration:</b> | <b>2.35</b>   |   |       |      |       |



# SAMPLE DATA

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: MW-14A-17.5-120325  
 Lab Sample ID: Q3757-01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/05/25 13:32 | VX120525 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 13:32 | VX120525 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 13:32 | VX120525 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/05/25 13:32 | VX120525 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/05/25 13:32 | VX120525 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/05/25 13:32 | VX120525 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/05/25 13:32 | VX120525 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/05/25 13:32 | VX120525 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/05/25 13:32 | VX120525 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 13:32 | VX120525 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 52.4              |      |    | 70 (74) - 130 (125) | 105%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 49.5              |      |    | 70 (75) - 130 (124) | 99%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 48.7              |      |    | 70 (86) - 130 (113) | 97%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 50.0              |      |    | 70 (77) - 130 (121) | 100%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 177000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 303000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 274000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 141000            |      |    |                     |            |         |                |          |

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



## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: BR-03D-490-120325  
 Lab Sample ID: Q3757-03  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 3.90              |      | 1  | 0.26                | 1.00       | ug/L    | 12/05/25 13:53 | VX120525 |
| 75-35-4                   | 1,1-Dichloroethene     | 48.1              |      | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 13:53 | VX120525 |
| 75-34-3                   | 1,1-Dichloroethane     | 6.40              |      | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 13:53 | VX120525 |
| 156-59-2                  | cis-1,2-Dichloroethene | 34.9              |      | 1  | 0.19                | 1.00       | ug/L    | 12/05/25 13:53 | VX120525 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/05/25 13:53 | VX120525 |
| 71-43-2                   | Benzene                | 0.23              | J    | 1  | 0.15                | 1.00       | ug/L    | 12/05/25 13:53 | VX120525 |
| 107-06-2                  | 1,2-Dichloroethane     | 3.70              |      | 1  | 0.22                | 1.00       | ug/L    | 12/05/25 13:53 | VX120525 |
| 79-01-6                   | Trichloroethene        | 35.1              |      | 1  | 0.090               | 1.00       | ug/L    | 12/05/25 13:53 | VX120525 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/05/25 13:53 | VX120525 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 13:53 | VX120525 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 55.1              |      |    | 70 (74) - 130 (125) | 110%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 51.8              |      |    | 70 (75) - 130 (124) | 104%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 42.9              |      |    | 70 (86) - 130 (113) | 86%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 45.5              |      |    | 70 (77) - 130 (121) | 91%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 163000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 281000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 231000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 110000            |      |    |                     |            |         |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: MW-14B-46-120325  
 Lab Sample ID: Q3757-05  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/05/25 14:13 | VX120525 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 14:13 | VX120525 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 14:13 | VX120525 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/05/25 14:13 | VX120525 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/05/25 14:13 | VX120525 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/05/25 14:13 | VX120525 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/05/25 14:13 | VX120525 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/05/25 14:13 | VX120525 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/05/25 14:13 | VX120525 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 14:13 | VX120525 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 47.2              |      |    | 70 (74) - 130 (125) | 94%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 40.9              |      |    | 70 (75) - 130 (124) | 82%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 35.3              |      |    | 70 (86) - 130 (113) | 71%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 43.5              |      |    | 70 (77) - 130 (121) | 87%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 162000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 287000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 220000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 131000            |      |    |                     |            |         |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: MW-14B-46-120325RE  
 Lab Sample ID: Q3757-05RE  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/08/25 12:33 | VX120825 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 12:33 | VX120825 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 12:33 | VX120825 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/08/25 12:33 | VX120825 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/08/25 12:33 | VX120825 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/08/25 12:33 | VX120825 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/08/25 12:33 | VX120825 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/08/25 12:33 | VX120825 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/08/25 12:33 | VX120825 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 12:33 | VX120825 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 57.7              |      |    | 70 (74) - 130 (125) | 115%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 38.4              |      |    | 70 (75) - 130 (124) | 77%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 38.4              |      |    | 70 (86) - 130 (113) | 77%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 56.9              |      |    | 70 (77) - 130 (121) | 114%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 125000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 300000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 268000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 140000            |      |    |                     |            |         |                |          |

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

## Report of Analysis

|                                                    |                          |  |
|----------------------------------------------------|--------------------------|--|
| Client: JACOBS Engineering Group, Inc.             | Date Collected: 12/03/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/03/25  |  |
| Client Sample ID: RMW-05B-90.5-120325              | SDG No.: Q3757           |  |
| Lab Sample ID: Q3757-07                            | Matrix: Water            |  |
| Analytical Method: 8260D                           | % Solid: 0               |  |
| Sample Wt/Vol: 5 mL                                | Test: VOCMS Group3       |  |
| Level: LOW                                         |                          |  |
| Final Vol: 5000 uL                                 |                          |  |

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/05/25 14:33 | VX120525 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 14:33 | VX120525 |
| 75-34-3                   | 1,1-Dichloroethane     | 1.50              |      | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 14:33 | VX120525 |
| 156-59-2                  | cis-1,2-Dichloroethene | 13.1              |      | 1  | 0.19                | 1.00       | ug/L    | 12/05/25 14:33 | VX120525 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/05/25 14:33 | VX120525 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/05/25 14:33 | VX120525 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/05/25 14:33 | VX120525 |
| 79-01-6                   | Trichloroethene        | 0.65              | J    | 1  | 0.090               | 1.00       | ug/L    | 12/05/25 14:33 | VX120525 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/05/25 14:33 | VX120525 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 14:33 | VX120525 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 51.3              |      |    | 70 (74) - 130 (125) | 103%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 47.1              |      |    | 70 (75) - 130 (124) | 94%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 43.9              |      |    | 70 (86) - 130 (113) | 88%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 45.8              |      |    | 70 (77) - 130 (121) | 92%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 132000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 223000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 207000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 103000            |      |    |                     |            |         |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: OW-05B-72-120325  
 Lab Sample ID: Q3757-09  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/05/25 14:54 | VX120525 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.85              | J    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 14:54 | VX120525 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 14:54 | VX120525 |
| 156-59-2                  | cis-1,2-Dichloroethene | 2.20              |      | 1  | 0.19                | 1.00       | ug/L    | 12/05/25 14:54 | VX120525 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/05/25 14:54 | VX120525 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/05/25 14:54 | VX120525 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/05/25 14:54 | VX120525 |
| 79-01-6                   | Trichloroethene        | 0.44              | J    | 1  | 0.090               | 1.00       | ug/L    | 12/05/25 14:54 | VX120525 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/05/25 14:54 | VX120525 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 14:54 | VX120525 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 58.8              |      |    | 70 (74) - 130 (125) | 118%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 39.7              |      |    | 70 (75) - 130 (124) | 79%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 38.2              |      |    | 70 (86) - 130 (113) | 76%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 45.0              |      |    | 70 (77) - 130 (121) | 90%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 129000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 275000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 209000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 103000            |      |    |                     |            |         |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: OW-05B-72-120325RE  
 Lab Sample ID: Q3757-09RE  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/08/25 12:53 | VX120825 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.60              | J    | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 12:53 | VX120825 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 12:53 | VX120825 |
| 156-59-2                  | cis-1,2-Dichloroethene | 1.50              |      | 1  | 0.19                | 1.00       | ug/L    | 12/08/25 12:53 | VX120825 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/08/25 12:53 | VX120825 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/08/25 12:53 | VX120825 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/08/25 12:53 | VX120825 |
| 79-01-6                   | Trichloroethene        | 0.25              | J    | 1  | 0.090               | 1.00       | ug/L    | 12/08/25 12:53 | VX120825 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/08/25 12:53 | VX120825 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 12:53 | VX120825 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 62.9              |      |    | 70 (74) - 130 (125) | 126%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 39.6              |      |    | 70 (75) - 130 (124) | 79%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 47.0              |      |    | 70 (86) - 130 (113) | 94%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 56.1              |      |    | 70 (77) - 130 (121) | 112%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 169000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 410000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 414000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 198000            |      |    |                     |            |         |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: EB01-120325  
 Lab Sample ID: Q3757-11  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/04/25 16:48 | VN120425 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 16:48 | VN120425 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 16:48 | VN120425 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/04/25 16:48 | VN120425 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/04/25 16:48 | VN120425 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/04/25 16:48 | VN120425 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/04/25 16:48 | VN120425 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/04/25 16:48 | VN120425 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/04/25 16:48 | VN120425 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 16:48 | VN120425 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 53.6              |      |    | 70 (74) - 130 (125) | 107%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 46.9              |      |    | 70 (75) - 130 (124) | 94%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 44.3              |      |    | 70 (86) - 130 (113) | 89%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 49.5              |      |    | 70 (77) - 130 (121) | 99%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 202000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 452000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 440000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 211000            |      |    |                     |            |         |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: TB01-120325  
 Lab Sample ID: Q3757-12  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/04/25 16:28 | VN120425 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 16:28 | VN120425 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 16:28 | VN120425 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/04/25 16:28 | VN120425 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/04/25 16:28 | VN120425 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/04/25 16:28 | VN120425 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/04/25 16:28 | VN120425 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/04/25 16:28 | VN120425 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/04/25 16:28 | VN120425 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 16:28 | VN120425 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 56.4              |      |    | 70 (74) - 130 (125) | 113%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 47.1              |      |    | 70 (75) - 130 (124) | 94%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 45.0              |      |    | 70 (86) - 130 (113) | 90%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 52.4              |      |    | 70 (77) - 130 (121) | 105%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 198000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 454000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 441000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 211000            |      |    |                     |            |         |                |          |

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





# QC SUMMARY

### Surrogate Summary

SDG No.: Q3757

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

| Lab Sample ID | Client ID           | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |           |
|---------------|---------------------|-----------------------|-------|--------|--------------|------|------------|-----------|
|               |                     |                       |       |        |              |      | Low        | High      |
| Q3757-01      | MW-14A-17.5-120325  | 1,2-Dichloroethane-d4 | 50    | 52.4   | 105          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 49.5   | 99           |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 48.6   | 97           |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 50.0   | 100          |      | 70 (77)    | 130 (121) |
| Q3757-03      | BR-03D-490-120325   | 1,2-Dichloroethane-d4 | 50    | 55.1   | 110          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 51.8   | 104          |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 42.9   | 86           |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 45.5   | 91           |      | 70 (77)    | 130 (121) |
| Q3757-05      | MW-14B-46-120325    | 1,2-Dichloroethane-d4 | 50    | 47.2   | 94           |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 40.9   | 82           |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 35.3   | 71           |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 43.5   | 87           |      | 70 (77)    | 130 (121) |
| Q3757-05RE    | MW-14B-46-120325RE  | 1,2-Dichloroethane-d4 | 50    | 57.7   | 115          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 38.4   | 77           |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 38.4   | 77           |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 56.9   | 114          |      | 70 (77)    | 130 (121) |
| Q3757-07      | RMW-05B-90.5-120325 | 1,2-Dichloroethane-d4 | 50    | 51.3   | 103          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 47.1   | 94           |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 43.9   | 88           |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 45.8   | 92           |      | 70 (77)    | 130 (121) |
| Q3757-09      | OW-05B-72-120325    | 1,2-Dichloroethane-d4 | 50    | 58.8   | 118          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 39.7   | 79           |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 38.2   | 76           |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 45.0   | 90           |      | 70 (77)    | 130 (121) |
| Q3757-09RE    | OW-05B-72-120325RE  | 1,2-Dichloroethane-d4 | 50    | 62.9   | 126          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 39.6   | 79           |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 47.0   | 94           |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 56.1   | 112          |      | 70 (77)    | 130 (121) |
| Q3757-11      | EB01-120325         | 1,2-Dichloroethane-d4 | 50    | 53.6   | 107          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 46.9   | 94           |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 44.4   | 89           |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 49.5   | 99           |      | 70 (77)    | 130 (121) |
| Q3757-12      | TB01-120325         | 1,2-Dichloroethane-d4 | 50    | 56.4   | 113          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 47.1   | 94           |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 45.0   | 90           |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 52.4   | 105          |      | 70 (77)    | 130 (121) |
| VN1204WBL01   | VN1204WBL01         | 1,2-Dichloroethane-d4 | 50    | 61.7   | 123          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 50.8   | 102          |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 46.7   | 93           |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 49.9   | 100          |      | 70 (77)    | 130 (121) |
| VN1204WBS01   | VN1204WBS01         | 1,2-Dichloroethane-d4 | 50    | 53.8   | 108          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 50.7   | 101          |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 51.7   | 103          |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 54.4   | 109          |      | 70 (77)    | 130 (121) |
| VN1204WBSD0   | VN1204WBSD01        | 1,2-Dichloroethane-d4 | 50    | 56.0   | 112          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 53.1   | 106          |      | 70 (75)    | 130 (124) |
|               |                     | Toluene-d8            | 50    | 52.7   | 105          |      | 70 (86)    | 130 (113) |
|               |                     | 4-Bromofluorobenzene  | 50    | 56.3   | 113          |      | 70 (77)    | 130 (121) |
| VX1205WBL01   | VX1205WBL01         | 1,2-Dichloroethane-d4 | 50    | 50.6   | 101          |      | 70 (74)    | 130 (125) |
|               |                     | Dibromofluoromethane  | 50    | 49.7   | 99           |      | 70 (75)    | 130 (124) |

() = LABORATORY INHOUSE LIMIT

### Surrogate Summary

SDG No.: Q3757

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

| Lab Sample ID | Client ID   | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |           |
|---------------|-------------|-----------------------|-------|--------|--------------|------|------------|-----------|
|               |             |                       |       |        |              |      | Low        | High      |
| VX1205WBL01   | VX1205WBL01 | Toluene-d8            | 50    | 50.8   | 102          |      | 70 (86)    | 130 (113) |
|               |             | 4-Bromofluorobenzene  | 50    | 60.5   | 121          |      | 70 (77)    | 130 (121) |
| VX1205WBS01   | VX1205WBS01 | 1,2-Dichloroethane-d4 | 50    | 52.4   | 105          |      | 70 (74)    | 130 (125) |
|               |             | Dibromofluoromethane  | 50    | 48.0   | 96           |      | 70 (75)    | 130 (124) |
|               |             | Toluene-d8            | 50    | 49.6   | 99           |      | 70 (86)    | 130 (113) |
|               |             | 4-Bromofluorobenzene  | 50    | 52.5   | 105          |      | 70 (77)    | 130 (121) |
| VX1208WBL01   | VX1208WBL01 | 1,2-Dichloroethane-d4 | 50    | 49.5   | 99           |      | 70 (74)    | 130 (125) |
|               |             | Dibromofluoromethane  | 50    | 46.0   | 92           |      | 70 (75)    | 130 (124) |
|               |             | Toluene-d8            | 50    | 45.2   | 90           |      | 70 (86)    | 130 (113) |
|               |             | 4-Bromofluorobenzene  | 50    | 55.8   | 112          |      | 70 (77)    | 130 (121) |
| VX1208WBS01   | VX1208WBS01 | 1,2-Dichloroethane-d4 | 50    | 56.7   | 113          |      | 70 (74)    | 130 (125) |
|               |             | Dibromofluoromethane  | 50    | 50.4   | 101          |      | 70 (75)    | 130 (124) |
|               |             | Toluene-d8            | 50    | 50.6   | 101          |      | 70 (86)    | 130 (113) |
|               |             | 4-Bromofluorobenzene  | 50    | 58.8   | 118          |      | 70 (77)    | 130 (121) |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|                 |                                       |                           |                   |
|-----------------|---------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3757</u>                          | <b>Analytical Method:</b> | <u>SW8260-Low</u> |
| <b>Client:</b>  | <u>JACOBS Engineering Group, Inc.</u> | <b>Datafile :</b>         | <u>VN088443.D</u> |

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|-----|
| VN1204WBS01   | Vinyl chloride         | 20    | 20.3   | ug/L | 102 |     |      | 70 (65) | 130 (117)      |     |
|               | 1,1-Dichloroethene     | 20    | 20.4   | ug/L | 102 |     |      | 70 (74) | 130 (110)      |     |
|               | 1,1-Dichloroethane     | 20    | 19.6   | ug/L | 98  |     |      | 70 (78) | 130 (112)      |     |
|               | cis-1,2-Dichloroethene | 20    | 19.0   | ug/L | 95  |     |      | 70 (77) | 130 (110)      |     |
|               | 1,1,1-Trichloroethane  | 20    | 20.7   | ug/L | 104 |     |      | 70 (80) | 130 (108)      |     |
|               | Benzene                | 20    | 19.3   | ug/L | 97  |     |      | 70 (82) | 130 (109)      |     |
|               | 1,2-Dichloroethane     | 20    | 20.8   | ug/L | 104 |     |      | 70 (80) | 130 (115)      |     |
|               | Trichloroethene        | 20    | 18.3   | ug/L | 92  |     |      | 70 (77) | 130 (113)      |     |
|               | 1,1,2-Trichloroethane  | 20    | 19.9   | ug/L | 100 |     |      | 70 (83) | 130 (112)      |     |
|               | Tetrachloroethene      | 20    | 18.1   | ug/L | 91  |     |      | 70 (67) | 130 (123)      |     |

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3757 Analytical Method: SW8260-Low  
Client: JACOBS Engineering Group, Inc. Datafile : VN088444.D

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD     |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|---------|
| VN1204WBSD01  | Vinyl chloride         | 20    | 19.0   | ug/L | 95  | 7   |      | 70 (65) | 130 (117)      | 20 (19) |
|               | 1,1-Dichloroethene     | 20    | 19.5   | ug/L | 98  | 4   |      | 70 (74) | 130 (110)      | 20 (20) |
|               | 1,1-Dichloroethane     | 20    | 19.7   | ug/L | 99  | 1   |      | 70 (78) | 130 (112)      | 20 (20) |
|               | cis-1,2-Dichloroethene | 20    | 19.3   | ug/L | 97  | 2   |      | 70 (77) | 130 (110)      | 20 (20) |
|               | 1,1,1-Trichloroethane  | 20    | 20.6   | ug/L | 103 | 1   |      | 70 (80) | 130 (108)      | 20 (20) |
|               | Benzene                | 20    | 19.3   | ug/L | 97  | 0   |      | 70 (82) | 130 (109)      | 20 (15) |
|               | 1,2-Dichloroethane     | 20    | 21.6   | ug/L | 108 | 4   |      | 70 (80) | 130 (115)      | 20 (20) |
|               | Trichloroethene        | 20    | 18.7   | ug/L | 94  | 2   |      | 70 (77) | 130 (113)      | 20 (15) |
|               | 1,1,2-Trichloroethane  | 20    | 20.7   | ug/L | 104 | 4   |      | 70 (83) | 130 (112)      | 20 (20) |
|               | Tetrachloroethene      | 20    | 17.3   | ug/L | 86  | 6   |      | 70 (67) | 130 (123)      | 20 (15) |

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|                 |                                       |                           |                   |
|-----------------|---------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3757</u>                          | <b>Analytical Method:</b> | <u>SW8260-Low</u> |
| <b>Client:</b>  | <u>JACOBS Engineering Group, Inc.</u> | <b>Datafile :</b>         | <u>VX048726.D</u> |

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|-----|
| VX1205WBS01   | Vinyl chloride         | 20    | 16.1   | ug/L | 81  |     |      | 70 (65) | 130 (117)      |     |
|               | 1,1-Dichloroethene     | 20    | 19.4   | ug/L | 97  |     |      | 70 (74) | 130 (110)      |     |
|               | 1,1-Dichloroethane     | 20    | 20.1   | ug/L | 101 |     |      | 70 (78) | 130 (112)      |     |
|               | cis-1,2-Dichloroethene | 20    | 19.1   | ug/L | 96  |     |      | 70 (77) | 130 (110)      |     |
|               | 1,1,1-Trichloroethane  | 20    | 20.0   | ug/L | 100 |     |      | 70 (80) | 130 (108)      |     |
|               | Benzene                | 20    | 18.7   | ug/L | 94  |     |      | 70 (82) | 130 (109)      |     |
|               | 1,2-Dichloroethane     | 20    | 20.1   | ug/L | 101 |     |      | 70 (80) | 130 (115)      |     |
|               | Trichloroethene        | 20    | 19.0   | ug/L | 95  |     |      | 70 (77) | 130 (113)      |     |
|               | 1,1,2-Trichloroethane  | 20    | 19.1   | ug/L | 96  |     |      | 70 (83) | 130 (112)      |     |
|               | Tetrachloroethene      | 20    | 17.6   | ug/L | 88  |     |      | 70 (67) | 130 (123)      |     |

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|                 |                                       |                           |                   |
|-----------------|---------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3757</u>                          | <b>Analytical Method:</b> | <u>SW8260-Low</u> |
| <b>Client:</b>  | <u>JACOBS Engineering Group, Inc.</u> | <b>Datafile :</b>         | <u>VX048745.D</u> |

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|-----|
| VX1208WBS01   | Vinyl chloride         | 20    | 19.8   | ug/L | 99  |     |      | 70 (65) | 130 (117)      |     |
|               | 1,1-Dichloroethene     | 20    | 19.2   | ug/L | 96  |     |      | 70 (74) | 130 (110)      |     |
|               | 1,1-Dichloroethane     | 20    | 20.8   | ug/L | 104 |     |      | 70 (78) | 130 (112)      |     |
|               | cis-1,2-Dichloroethene | 20    | 19.9   | ug/L | 100 |     |      | 70 (77) | 130 (110)      |     |
|               | 1,1,1-Trichloroethane  | 20    | 20.1   | ug/L | 101 |     |      | 70 (80) | 130 (108)      |     |
|               | Benzene                | 20    | 18.8   | ug/L | 94  |     |      | 70 (82) | 130 (109)      |     |
|               | 1,2-Dichloroethane     | 20    | 21.4   | ug/L | 107 |     |      | 70 (80) | 130 (115)      |     |
|               | Trichloroethene        | 20    | 17.6   | ug/L | 88  |     |      | 70 (77) | 130 (113)      |     |
|               | 1,1,2-Trichloroethane  | 20    | 21.7   | ug/L | 109 |     |      | 70 (83) | 130 (112)      |     |
|               | Tetrachloroethene      | 20    | 16.5   | ug/L | 83  |     |      | 70 (67) | 130 (123)      |     |

() = LABORATORY INHOUSE LIMIT

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1204WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VN088439.D

Lab Sample ID: VN1204WBL01

Date Analyzed: 12/04/2025

Time Analyzed: 12:38

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_N

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 |
|-------------------|------------------|----------------|------------------|
| VN1204WBS01       | VN1204WBS01      | VN088443.D     | 12/04/2025       |
| VN1204WBSD01      | VN1204WBSD01     | VN088444.D     | 12/04/2025       |
| TB01-120325       | Q3757-12         | VN088449.D     | 12/04/2025       |
| EB01-120325       | Q3757-11         | VN088450.D     | 12/04/2025       |

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



VOLATILE METHOD BLANK SUMMARY

Client ID

VX1205WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VX048725.D

Lab Sample ID: VX1205WBL01

Date Analyzed: 12/05/2025

Time Analyzed: 10:34

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 |
|---------------------|------------------|----------------|------------------|
| VX1205WBS01         | VX1205WBS01      | VX048726.D     | 12/05/2025       |
| MW-14A-17.5-120325  | Q3757-01         | VX048731.D     | 12/05/2025       |
| BR-03D-490-120325   | Q3757-03         | VX048732.D     | 12/05/2025       |
| MW-14B-46-120325    | Q3757-05         | VX048733.D     | 12/05/2025       |
| RMW-05B-90.5-120325 | Q3757-07         | VX048734.D     | 12/05/2025       |
| OW-05B-72-120325    | Q3757-09         | VX048735.D     | 12/05/2025       |

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

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1208WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VX048744.D

Lab Sample ID: VX1208WBL01

Date Analyzed: 12/08/2025

Time Analyzed: 11:15

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 |
|--------------------|------------------|----------------|------------------|
| VX1208WBS01        | VX1208WBS01      | VX048745.D     | 12/08/2025       |
| MW-14B-46-120325RE | Q3757-05RE       | VX048747.D     | 12/08/2025       |
| OW-05B-72-120325RE | Q3757-09RE       | VX048748.D     | 12/08/2025       |

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VN088343.D

BFB Injection Date: 11/24/2025

Instrument ID: MSVOA\_N

BFB Injection Time: 08:17

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 23.6                 |
| 75  | 30.0 - 60.0% of mass 95            | 56.6                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 1 ( 1.4 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 70.8                 |
| 175 | 5.0 - 9.0% of mass 174             | 6 ( 8.4 ) 1          |
| 176 | 95.0 - 101.0% of mass 174          | 68.3 ( 96.4 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.3 ( 6.4 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC001 | VSTDIC001     | VN088344.D  | 11/24/2025    | 12:38         |
| VSTDIC005 | VSTDIC005     | VN088345.D  | 11/24/2025    | 13:11         |
| VSTDIC020 | VSTDIC020     | VN088346.D  | 11/24/2025    | 13:32         |
| VSTDIC050 | VSTDIC050     | VN088347.D  | 11/24/2025    | 13:53         |
| VSTDIC100 | VSTDIC100     | VN088348.D  | 11/24/2025    | 14:14         |
| VSTDIC150 | VSTDIC150     | VN088349.D  | 11/24/2025    | 14:35         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VN088436.D

BFB Injection Date: 12/04/2025

Instrument ID: MSVOA\_N

BFB Injection Time: 11:03

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 23.6                 |
| 75  | 30.0 - 60.0% of mass 95            | 59.8                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 7                    |
| 173 | Less than 2.0% of mass 174         | 0.5 ( 0.7 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 70.2                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.8 ( 8.3 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 67.6 ( 96.3 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.3 ( 6.4 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID    | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|--------------|---------------|-------------|---------------|---------------|
| VSTDCCC050   | VSTDCCC050    | VN088437.D  | 12/04/2025    | 11:44         |
| VN1204WBL01  | VN1204WBL01   | VN088439.D  | 12/04/2025    | 12:38         |
| VN1204WBS01  | VN1204WBS01   | VN088443.D  | 12/04/2025    | 14:12         |
| VN1204WBSD01 | VN1204WBSD01  | VN088444.D  | 12/04/2025    | 14:45         |
| TB01-120325  | Q3757-12      | VN088449.D  | 12/04/2025    | 16:28         |
| EB01-120325  | Q3757-11      | VN088450.D  | 12/04/2025    | 16:48         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: VX048713.D  
Instrument ID: MSVOA\_X  
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05  
SDG NO.: Q3757  
BFB Injection Date: 12/04/2025  
BFB Injection Time: 08:15  
Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.6                 |
| 75  | 30.0 - 60.0% of mass 95            | 51.6                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.4                  |
| 173 | Less than 2.0% of mass 174         | 1 ( 1.3 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 76.2                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.9 ( 7.8 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 74.4 ( 97.7 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.9 ( 6.6 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC001 | VSTDIC001     | VX048714.D  | 12/04/2025    | 08:47         |
| VSTDIC005 | VSTDIC005     | VX048715.D  | 12/04/2025    | 09:16         |
| VSTDIC020 | VSTDIC020     | VX048716.D  | 12/04/2025    | 09:36         |
| VSTDIC050 | VSTDIC050     | VX048717.D  | 12/04/2025    | 09:57         |
| VSTDIC100 | VSTDIC100     | VX048718.D  | 12/04/2025    | 10:17         |
| VSTDIC150 | VSTDIC150     | VX048719.D  | 12/04/2025    | 10:38         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VX048722.D

BFB Injection Date: 12/05/2025

Instrument ID: MSVOA\_X

BFB Injection Time: 08:14

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            | 16.3                 |
| 75  | 30.0 - 60.0% of mass 95            | 48.5                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.6                  |
| 173 | Less than 2.0% of mass 174         | 0.9 ( 1.2 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 80.6                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.9 ( 7.3 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 77.7 ( 96.4 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5.4 ( 7 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID           | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---------------------|---------------|-------------|---------------|---------------|
| VSTDCCC050          | VSTDCCC050    | VX048723.D  | 12/05/2025    | 08:45         |
| VX1205WBL01         | VX1205WBL01   | VX048725.D  | 12/05/2025    | 10:34         |
| VX1205WBS01         | VX1205WBS01   | VX048726.D  | 12/05/2025    | 11:31         |
| MW-14A-17.5-120325  | Q3757-01      | VX048731.D  | 12/05/2025    | 13:32         |
| BR-03D-490-120325   | Q3757-03      | VX048732.D  | 12/05/2025    | 13:53         |
| MW-14B-46-120325    | Q3757-05      | VX048733.D  | 12/05/2025    | 14:13         |
| RMW-05B-90.5-120325 | Q3757-07      | VX048734.D  | 12/05/2025    | 14:33         |
| OW-05B-72-120325    | Q3757-09      | VX048735.D  | 12/05/2025    | 14:54         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: VX048741.D  
Instrument ID: MSVOA\_X  
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05  
SDG NO.: Q3757  
BFB Injection Date: 12/08/2025  
BFB Injection Time: 08:17  
Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.5                 |
| 75  | 30.0 - 60.0% of mass 95            | 51.5                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.2                  |
| 173 | Less than 2.0% of mass 174         | 1 ( 1.2 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 80.1                 |
| 175 | 5.0 - 9.0% of mass 174             | 6 ( 7.5 ) 1          |
| 176 | 95.0 - 101.0% of mass 174          | 76.4 ( 95.3 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5.3 ( 7 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID          | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|--------------------|---------------|-------------|---------------|---------------|
| VSTDCCC050         | VSTDCCC050    | VX048742.D  | 12/08/2025    | 09:20         |
| VX1208WBL01        | VX1208WBL01   | VX048744.D  | 12/08/2025    | 11:15         |
| VX1208WBS01        | VX1208WBS01   | VX048745.D  | 12/08/2025    | 11:44         |
| MW-14B-46-120325RE | Q3757-05RE    | VX048747.D  | 12/08/2025    | 12:33         |
| OW-05B-72-120325RE | Q3757-09RE    | VX048748.D  | 12/08/2025    | 12:53         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005  
Lab Code: ACE SDG NO.: Q3757  
Lab File ID: VN088437.D Date Analyzed: 12/04/2025  
Instrument ID: MSVOA\_N Time Analyzed: 11:44  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|----------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD    | 259230        | 8.21  | 454552        | 9.08  | 431157        | 11.84  |
| UPPER LIMIT    | 518460        | 8.706 | 909104        | 9.577 | 862314        | 12.341 |
| LOWER LIMIT    | 129615        | 7.706 | 227276        | 8.577 | 215579        | 11.341 |
| EPA SAMPLE NO. |               |       |               |       |               |        |
| EB01-120325    | 201753        | 8.21  | 451562        | 9.08  | 439722        | 11.84  |
| TB01-120325    | 198228        | 8.21  | 454339        | 9.08  | 441078        | 11.84  |
| VN1204WBL01    | 236600        | 8.21  | 556948        | 9.08  | 555675        | 11.84  |
| VN1204WBS01    | 303745        | 8.21  | 559564        | 9.08  | 491842        | 11.84  |
| VN1204WBSD01   | 290727        | 8.21  | 529277        | 9.08  | 469866        | 11.84  |

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

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

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



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005  
 Lab Code: ACE SDG NO.: Q3757  
 Lab File ID: VN088437.D Date Analyzed: 12/04/2025  
 Instrument ID: MSVOA\_N Time Analyzed: 11:44  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------|---------------|--------|--|--|--|--|
| 12 HOUR STD    | 210277        | 13.765 |  |  |  |  |
| UPPER LIMIT    | 420554        | 14.265 |  |  |  |  |
| LOWER LIMIT    | 105139        | 13.265 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| EB01-120325    | 210586        | 13.77  |  |  |  |  |
| TB01-120325    | 211349        | 13.77  |  |  |  |  |
| VN1204WBL01    | 258091        | 13.77  |  |  |  |  |
| VN1204WBS01    | 237731        | 13.77  |  |  |  |  |
| VN1204WBSD01   | 229597        | 13.77  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005  
Lab Code: ACE SDG NO.: Q3757  
Lab File ID: VX048723.D Date Analyzed: 12/05/2025  
Instrument ID: MSVOA\_X Time Analyzed: 08:45  
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         | 218600        | 5.53  | 333007        | 6.74  | 285113        | 10.04  |
| UPPER LIMIT         | 437200        | 6.025 | 666014        | 7.239 | 570226        | 10.537 |
| LOWER LIMIT         | 109300        | 5.025 | 166504        | 6.239 | 142557        | 9.537  |
| EPA SAMPLE NO.      |               |       |               |       |               |        |
| MW-14A-17.5-120325  | 176619        | 5.53  | 302604        | 6.74  | 274042        | 10.04  |
| BR-03D-490-120325   | 163180        | 5.54  | 280929        | 6.75  | 230844        | 10.04  |
| MW-14B-46-120325    | 161591        | 5.54  | 286549        | 6.75  | 220300        | 10.04  |
| RMW-05B-90.5-120325 | 132392        | 5.54  | 222932        | 6.75  | 207009        | 10.04  |
| OW-05B-72-120325    | 129477        | 5.54  | 275147        | 6.75  | 208806        | 10.04  |
| VX1205WBL01         | 193187        | 5.53  | 291151        | 6.74  | 294164        | 10.04  |
| VX1205WBS01         | 179194        | 5.53  | 293931        | 6.74  | 269397        | 10.04  |

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005  
 Lab Code: ACE SDG NO.: Q3757  
 Lab File ID: VX048723.D Date Analyzed: 12/05/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 08:45  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                     | IS4<br>AREA # | RT #  |  |  |  |  |
|---------------------|---------------|-------|--|--|--|--|
| 12 HOUR STD         | 141895        | 12    |  |  |  |  |
| UPPER LIMIT         | 283790        | 12.5  |  |  |  |  |
| LOWER LIMIT         | 70947.5       | 11.5  |  |  |  |  |
| EPA SAMPLE NO.      |               |       |  |  |  |  |
| MW-14A-17.5-120325  | 141373        | 12.01 |  |  |  |  |
| BR-03D-490-120325   | 110489        | 12.01 |  |  |  |  |
| MW-14B-46-120325    | 131055        | 12.01 |  |  |  |  |
| RMW-05B-90.5-120325 | 102583        | 12.01 |  |  |  |  |
| OW-05B-72-120325    | 103213        | 12.01 |  |  |  |  |
| VX1205WBL01         | 130501        | 12.01 |  |  |  |  |
| VX1205WBS01         | 132992        | 12.01 |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005  
Lab Code: ACE SDG NO.: Q3757  
Lab File ID: VX048742.D Date Analyzed: 12/08/2025  
Instrument ID: MSVOA\_X Time Analyzed: 09:20  
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        | 174813        | 5.53  | 271670        | 6.74  | 259893        | 10.04  |
| UPPER LIMIT        | 349626        | 6.031 | 543340        | 7.239 | 519786        | 10.537 |
| LOWER LIMIT        | 87406.5       | 5.031 | 135835        | 6.239 | 129947        | 9.537  |
| EPA SAMPLE NO.     |               |       |               |       |               |        |
| MW-14B-46-120325RE | 124903        | 5.54  | 299763        | 6.75  | 268328        | 10.04  |
| OW-05B-72-120325RE | 169111        | 5.54  | 409831        | 6.74  | 413547        | 10.04  |
| VX1208WBL01        | 173343        | 5.53  | 340953        | 6.74  | 370451        | 10.04  |
| VX1208WBS01        | 178446        | 5.53  | 298973        | 6.74  | 311271        | 10.04  |

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

|                |                   |                |                   |
|----------------|-------------------|----------------|-------------------|
| Lab Name:      | <u>Alliance</u>   | Contract:      | <u>JACO05</u>     |
| Lab Code:      | <u>ACE</u>        | SDG NO.:       | <u>Q3757</u>      |
| Lab File ID:   | <u>VX048742.D</u> | Date Analyzed: | <u>12/08/2025</u> |
| Instrument ID: | <u>MSVOA_X</u>    | Time Analyzed: | <u>09:20</u>      |
| GC Column:     | <u>DB-624UI</u>   | ID:            | <u>0.18</u> (mm)  |
|                |                   | Heated Purge:  | (Y/N) <u>N</u>    |

|                    | IS4<br>AREA # | RT #  |  |  |  |  |
|--------------------|---------------|-------|--|--|--|--|
| 12 HOUR STD        | 132353        | 12    |  |  |  |  |
| UPPER LIMIT        | 264706        | 12.5  |  |  |  |  |
| LOWER LIMIT        | 66176.5       | 11.5  |  |  |  |  |
| EPA SAMPLE NO.     |               |       |  |  |  |  |
| MW-14B-46-120325RE | 139875        | 12.01 |  |  |  |  |
| OW-05B-72-120325RE | 197728        | 12.01 |  |  |  |  |
| VX1208WBL01        | 179749        | 12.01 |  |  |  |  |
| VX1208WBS01        | 157846        | 12.00 |  |  |  |  |

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.



# QC SAMPLE DATA

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VN1204WBL01  
 Lab Sample ID: VN1204WBL01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 12:38 | VN120425 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 61.7              |      |    | 70 (74) - 130 (125) | 123%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 50.8              |      |    | 70 (75) - 130 (124) | 102%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 46.7              |      |    | 70 (86) - 130 (113) | 93%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 49.9              |      |    | 70 (77) - 130 (121) | 100%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 237000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 557000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 556000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 258000            |      |    |                     |            |         |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VX1205WBL01  
 Lab Sample ID: VX1205WBL01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/05/25 10:34 | VX120525 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 10:34 | VX120525 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 10:34 | VX120525 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/05/25 10:34 | VX120525 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/05/25 10:34 | VX120525 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/05/25 10:34 | VX120525 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/05/25 10:34 | VX120525 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/05/25 10:34 | VX120525 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/05/25 10:34 | VX120525 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 10:34 | VX120525 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 50.6              |      |    | 70 (74) - 130 (125) | 101%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 49.7              |      |    | 70 (75) - 130 (124) | 99%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 50.8              |      |    | 70 (86) - 130 (113) | 102%       | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 60.5              |      |    | 70 (77) - 130 (121) | 121%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 193000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 291000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 294000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 131000            |      |    |                     |            |         |                |          |

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



## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VX1208WBL01  
 Lab Sample ID: VX1208WBL01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 0.26              | U    | 1  | 0.26                | 1.00       | ug/L    | 12/08/25 11:15 | VX120825 |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 11:15 | VX120825 |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 11:15 | VX120825 |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19              | U    | 1  | 0.19                | 1.00       | ug/L    | 12/08/25 11:15 | VX120825 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20              | U    | 1  | 0.20                | 1.00       | ug/L    | 12/08/25 11:15 | VX120825 |
| 71-43-2                   | Benzene                | 0.15              | U    | 1  | 0.15                | 1.00       | ug/L    | 12/08/25 11:15 | VX120825 |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22              | U    | 1  | 0.22                | 1.00       | ug/L    | 12/08/25 11:15 | VX120825 |
| 79-01-6                   | Trichloroethene        | 0.090             | U    | 1  | 0.090               | 1.00       | ug/L    | 12/08/25 11:15 | VX120825 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21              | U    | 1  | 0.21                | 1.00       | ug/L    | 12/08/25 11:15 | VX120825 |
| 127-18-4                  | Tetrachloroethene      | 0.23              | U    | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 11:15 | VX120825 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 49.5              |      |    | 70 (74) - 130 (125) | 99%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 46.0              |      |    | 70 (75) - 130 (124) | 92%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 45.2              |      |    | 70 (86) - 130 (113) | 90%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 55.8              |      |    | 70 (77) - 130 (121) | 112%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 173000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 341000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 370000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 180000            |      |    |                     |            |         |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VN1204WBS01  
 Lab Sample ID: VN1204WBS01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 20.3              |      | 1  | 0.26                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 75-35-4                   | 1,1-Dichloroethene     | 20.4              |      | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 75-34-3                   | 1,1-Dichloroethane     | 19.6              |      | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 156-59-2                  | cis-1,2-Dichloroethene | 19.0              |      | 1  | 0.19                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 20.7              |      | 1  | 0.20                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 71-43-2                   | Benzene                | 19.3              |      | 1  | 0.15                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 107-06-2                  | 1,2-Dichloroethane     | 20.8              |      | 1  | 0.22                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 79-01-6                   | Trichloroethene        | 18.3              |      | 1  | 0.090               | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 19.9              |      | 1  | 0.21                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| 127-18-4                  | Tetrachloroethene      | 18.1              |      | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 14:12 | VN120425 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 53.8              |      |    | 70 (74) - 130 (125) | 108%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 50.7              |      |    | 70 (75) - 130 (124) | 101%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 51.7              |      |    | 70 (86) - 130 (113) | 103%       | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 54.4              |      |    | 70 (77) - 130 (121) | 109%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 304000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 560000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 492000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 238000            |      |    |                     |            |         |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VX1205WBS01  
 Lab Sample ID: VX1205WBS01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 16.1              |      | 1  | 0.26                | 1.00       | ug/L    | 12/05/25 11:31 | VX120525 |
| 75-35-4                   | 1,1-Dichloroethene     | 19.4              |      | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 11:31 | VX120525 |
| 75-34-3                   | 1,1-Dichloroethane     | 20.1              |      | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 11:31 | VX120525 |
| 156-59-2                  | cis-1,2-Dichloroethene | 19.1              |      | 1  | 0.19                | 1.00       | ug/L    | 12/05/25 11:31 | VX120525 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 20.0              |      | 1  | 0.20                | 1.00       | ug/L    | 12/05/25 11:31 | VX120525 |
| 71-43-2                   | Benzene                | 18.7              |      | 1  | 0.15                | 1.00       | ug/L    | 12/05/25 11:31 | VX120525 |
| 107-06-2                  | 1,2-Dichloroethane     | 20.1              |      | 1  | 0.22                | 1.00       | ug/L    | 12/05/25 11:31 | VX120525 |
| 79-01-6                   | Trichloroethene        | 19.0              |      | 1  | 0.090               | 1.00       | ug/L    | 12/05/25 11:31 | VX120525 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 19.1              |      | 1  | 0.21                | 1.00       | ug/L    | 12/05/25 11:31 | VX120525 |
| 127-18-4                  | Tetrachloroethene      | 17.6              |      | 1  | 0.23                | 1.00       | ug/L    | 12/05/25 11:31 | VX120525 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 52.4              |      |    | 70 (74) - 130 (125) | 105%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 48.0              |      |    | 70 (75) - 130 (124) | 96%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 49.6              |      |    | 70 (86) - 130 (113) | 99%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 52.5              |      |    | 70 (77) - 130 (121) | 105%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 179000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 294000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 269000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 133000            |      |    |                     |            |         |                |          |

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

**Report of Analysis**

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VX1208WBS01  
 Lab Sample ID: VX1208WBS01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOCMS Group3

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 19.8              |      | 1  | 0.26                | 1.00       | ug/L    | 12/08/25 11:44 | VX120825 |
| 75-35-4                   | 1,1-Dichloroethene     | 19.2              |      | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 11:44 | VX120825 |
| 75-34-3                   | 1,1-Dichloroethane     | 20.8              |      | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 11:44 | VX120825 |
| 156-59-2                  | cis-1,2-Dichloroethene | 19.9              |      | 1  | 0.19                | 1.00       | ug/L    | 12/08/25 11:44 | VX120825 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 20.1              |      | 1  | 0.20                | 1.00       | ug/L    | 12/08/25 11:44 | VX120825 |
| 71-43-2                   | Benzene                | 18.8              |      | 1  | 0.15                | 1.00       | ug/L    | 12/08/25 11:44 | VX120825 |
| 107-06-2                  | 1,2-Dichloroethane     | 21.4              |      | 1  | 0.22                | 1.00       | ug/L    | 12/08/25 11:44 | VX120825 |
| 79-01-6                   | Trichloroethene        | 17.6              |      | 1  | 0.090               | 1.00       | ug/L    | 12/08/25 11:44 | VX120825 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 21.7              |      | 1  | 0.21                | 1.00       | ug/L    | 12/08/25 11:44 | VX120825 |
| 127-18-4                  | Tetrachloroethene      | 16.5              |      | 1  | 0.23                | 1.00       | ug/L    | 12/08/25 11:44 | VX120825 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 56.7              |      |    | 70 (74) - 130 (125) | 113%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 50.4              |      |    | 70 (75) - 130 (124) | 101%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 50.6              |      |    | 70 (86) - 130 (113) | 101%       | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 58.8              |      |    | 70 (77) - 130 (121) | 118%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 178000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 299000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 311000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 158000            |      |    |                     |            |         |                |          |

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

### Report of Analysis

|                    |                                           |                 |              |
|--------------------|-------------------------------------------|-----------------|--------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |              |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |              |
| Client Sample ID:  | VN1204WBSD01                              | SDG No.:        | Q3757        |
| Lab Sample ID:     | VN1204WBSD01                              | Matrix:         | Water        |
| Analytical Method: | 8260D                                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5 mL                                      | Test:           | VOCMS Group3 |
|                    | Level: LOW                                |                 |              |
|                    | Final Vol: 5000 uL                        |                 |              |

| CAS Number                | Parameter              | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|------------------------|-------------------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>            |                        |                   |      |    |                     |            |         |                |          |
| 75-01-4                   | Vinyl Chloride         | 19.0              |      | 1  | 0.26                | 1.00       | ug/L    | 12/04/25 14:45 | VN120425 |
| 75-35-4                   | 1,1-Dichloroethene     | 19.5              |      | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 14:45 | VN120425 |
| 75-34-3                   | 1,1-Dichloroethane     | 19.7              |      | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 14:45 | VN120425 |
| 156-59-2                  | cis-1,2-Dichloroethene | 19.3              |      | 1  | 0.19                | 1.00       | ug/L    | 12/04/25 14:45 | VN120425 |
| 71-55-6                   | 1,1,1-Trichloroethane  | 20.6              |      | 1  | 0.20                | 1.00       | ug/L    | 12/04/25 14:45 | VN120425 |
| 71-43-2                   | Benzene                | 19.3              |      | 1  | 0.15                | 1.00       | ug/L    | 12/04/25 14:45 | VN120425 |
| 107-06-2                  | 1,2-Dichloroethane     | 21.6              |      | 1  | 0.22                | 1.00       | ug/L    | 12/04/25 14:45 | VN120425 |
| 79-01-6                   | Trichloroethene        | 18.7              |      | 1  | 0.090               | 1.00       | ug/L    | 12/04/25 14:45 | VN120425 |
| 79-00-5                   | 1,1,2-Trichloroethane  | 20.7              |      | 1  | 0.21                | 1.00       | ug/L    | 12/04/25 14:45 | VN120425 |
| 127-18-4                  | Tetrachloroethene      | 17.3              |      | 1  | 0.23                | 1.00       | ug/L    | 12/04/25 14:45 | VN120425 |
| <b>SURROGATES</b>         |                        |                   |      |    |                     |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 56.0              |      |    | 70 (74) - 130 (125) | 112%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane   | 53.1              |      |    | 70 (75) - 130 (124) | 106%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8             | 52.7              |      |    | 70 (86) - 130 (113) | 105%       | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene   | 56.3              |      |    | 70 (77) - 130 (121) | 113%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                        |                   |      |    |                     |            |         |                |          |
|                           |                        | <b>Area Count</b> |      |    |                     |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene     | 291000            |      |    |                     |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene    | 529000            |      |    |                     |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5       | 470000            |      |    |                     |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 230000            |      |    |                     |            |         |                |          |

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



# CALIBRATION SUMMARY

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JAC005  
Lab Code: ACE SDG No.: Q3757  
Instrument ID: MSVOA\_N Calibration Date(s): 11/24/2025 11/24/2025  
Heated Purge: (Y/N) N Calibration Time(s): 12:38 14:35  
GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:           |        |        |                     |        |        |                     |       |       |
|------------------------|--------|--------|---------------------|--------|--------|---------------------|-------|-------|
| RRF001 = VN088344.D    |        |        | RRF005 = VN088345.D |        |        | RRF020 = VN088346.D |       |       |
| RRF050 = VN088347.D    |        |        | RRF100 = VN088348.D |        |        | RRF150 = VN088349.D |       |       |
| COMPOUND               | RRF001 | RRF005 | RRF020              | RRF050 | RRF100 | RRF150              | RRF   | % RSD |
| Vinyl Chloride         | 0.804  | 0.844  | 0.856               | 0.812  | 0.837  | 0.772               | 0.821 | 3.8   |
| 1,1-Dichloroethene     | 0.722  | 0.620  | 0.601               | 0.568  | 0.595  | 0.554               | 0.610 | 9.8   |
| 1,1-Dichloroethane     | 1.389  | 1.431  | 1.348               | 1.427  | 1.321  | 1.286               | 1.367 | 4.3   |
| cis-1,2-Dichloroethene | 0.797  | 0.801  | 0.794               | 0.829  | 0.747  | 0.744               | 0.785 | 4.2   |
| 1,1,1-Trichloroethane  | 1.247  | 1.219  | 1.192               | 1.158  | 1.166  | 1.104               | 1.181 | 4.3   |
| Benzene                | 1.658  | 1.555  | 1.609               | 1.559  | 1.559  | 1.477               | 1.570 | 3.9   |
| 1,2-Dichloroethane     | 0.583  | 0.614  | 0.596               | 0.615  | 0.597  | 0.587               | 0.599 | 2.3   |
| Trichloroethene        | 0.382  | 0.385  | 0.383               | 0.357  | 0.371  | 0.348               | 0.371 | 4.1   |
| 1,1,2-Trichloroethane  | 0.350  | 0.359  | 0.364               | 0.353  | 0.341  | 0.336               | 0.351 | 3     |
| Tetrachloroethene      | 0.426  | 0.388  | 0.413               | 0.377  | 0.407  | 0.367               | 0.396 | 5.7   |
| 1,2-Dichloroethane-d4  |        | 0.954  | 0.916               | 0.999  | 0.882  | 0.960               | 0.942 | 4.7   |
| Dibromofluoromethane   |        | 0.361  | 0.350               | 0.350  | 0.334  | 0.337               | 0.346 | 3.2   |
| Toluene-d8             |        | 1.249  | 1.292               | 1.285  | 1.308  | 1.313               | 1.289 | 2     |
| 4-Bromofluorobenzene   |        | 0.402  | 0.413               | 0.448  | 0.466  | 0.482               | 0.442 | 7.7   |

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

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JAC005  
Lab Code: ACE SDG No.: Q3757  
Instrument ID: MSVOA\_X Calibration Date(s): 12/04/2025 12/04/2025  
Heated Purge: (Y/N) N Calibration Time(s): 08:47 10:38  
GC Column: DB-624UI ID: 0.18 (mm)

|                        |        |                     |        |                     |        |                     |       |       |  |
|------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
| LAB FILE ID:           |        | RRF001 = VX048714.D |        | RRF005 = VX048715.D |        | RRF020 = VX048716.D |       |       |  |
|                        |        | RRF050 = VX048717.D |        | RRF100 = VX048718.D |        | RRF150 = VX048719.D |       |       |  |
| COMPOUND               | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Vinyl Chloride         | 0.704  | 0.624               | 0.667  | 0.709               | 0.700  | 0.704               | 0.685 | 4.9   |  |
| 1,1-Dichloroethene     | 0.607  | 0.533               | 0.560  | 0.601               | 0.584  | 0.598               | 0.581 | 4.9   |  |
| 1,1-Dichloroethane     | 1.208  | 0.803               | 1.038  | 0.910               | 1.223  | 0.914               | 1.016 | 16.9  |  |
| cis-1,2-Dichloroethene | 0.776  | 0.559               | 0.634  | 0.629               | 0.785  | 0.630               | 0.669 | 13.6  |  |
| 1,1,1-Trichloroethane  | 1.091  | 0.859               | 0.955  | 0.912               | 1.013  | 1.023               | 0.975 | 8.6   |  |
| Benzene                | 1.508  | 1.396               | 1.314  | 1.323               | 1.402  | 1.444               | 1.398 | 5.2   |  |
| 1,2-Dichloroethane     | 0.554  | 0.497               | 0.439  | 0.452               | 0.525  | 0.502               | 0.495 | 8.7   |  |
| Trichloroethene        | 0.387  | 0.340               | 0.363  | 0.367               | 0.345  | 0.387               | 0.365 | 5.4   |  |
| 1,1,2-Trichloroethane  | 0.359  | 0.316               | 0.325  | 0.378               | 0.310  | 0.347               | 0.339 | 7.9   |  |
| Tetrachloroethene      | 0.383  | 0.367               | 0.358  | 0.353               | 0.315  | 0.410               | 0.364 | 8.8   |  |
| 1,2-Dichloroethane-d4  |        | 0.677               | 0.618  | 0.578               | 0.787  | 0.695               | 0.671 | 11.9  |  |
| Dibromofluoromethane   |        | 0.316               | 0.359  | 0.334               | 0.355  | 0.357               | 0.344 | 5.4   |  |
| Toluene-d8             |        | 1.281               | 1.161  | 1.312               | 1.051  | 1.228               | 1.207 | 8.6   |  |
| 4-Bromofluorobenzene   |        | 0.416               | 0.418  | 0.459               | 0.397  | 0.391               | 0.416 | 6.4   |  |

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



VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                              |
|---------------------|-------------------|------------------------|------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3757</u>                 |
| Instrument ID:      | <u>MSVOA_N</u>    | Calibration Date/Time: | <u>12/04/2025 11:44</u>      |
| Lab File ID:        | <u>VN088437.D</u> | Init. Calib. Date(s):  | <u>11/24/2025 11/24/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>12:38 14:35</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)             |

| COMPOUND               | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|------------------------|-------|--------|------------|-------|-------|
| Vinyl Chloride         | 0.821 | 0.817  |            | -0.49 | 20    |
| 1,1-Dichloroethene     | 0.610 | 0.619  |            | 1.48  | 20    |
| 1,1-Dichloroethane     | 1.367 | 1.487  | 0.1        | 8.78  | 20    |
| cis-1,2-Dichloroethene | 0.785 | 0.832  |            | 5.99  | 20    |
| 1,1,1-Trichloroethane  | 1.181 | 1.277  |            | 8.13  | 20    |
| Benzene                | 1.570 | 1.743  |            | 11.02 | 20    |
| 1,2-Dichloroethane     | 0.599 | 0.729  |            | 21.7  | 20    |
| Trichloroethene        | 0.371 | 0.385  |            | 3.77  | 20    |
| 1,1,2-Trichloroethane  | 0.351 | 0.402  |            | 14.53 | 20    |
| Tetrachloroethene      | 0.396 | 0.360  |            | -9.09 | 20    |
| 1,2-Dichloroethane-d4  | 0.942 | 1.041  |            | 10.51 | 20    |
| Dibromofluoromethane   | 0.346 | 0.396  |            | 14.45 | 20    |
| Toluene-d8             | 1.289 | 1.429  |            | 10.86 | 20    |
| 4-Bromofluorobenzene   | 0.442 | 0.507  |            | 14.71 | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3757</u>                        |
| Instrument ID:      | <u>MSVOA_X</u>    | Calibration Date/Time: | <u>12/05/2025</u> <u>08:45</u>      |
| Lab File ID:        | <u>VX048723.D</u> | Init. Calib. Date(s):  | <u>12/04/2025</u> <u>12/04/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>08:47</u> <u>10:38</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)                    |

| COMPOUND               | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|------------------------|-------|--------|------------|--------|-------|
| Vinyl Chloride         | 0.685 | 0.781  |            | 14.02  | 20    |
| 1,1-Dichloroethene     | 0.581 | 0.641  |            | 10.33  | 20    |
| 1,1-Dichloroethane     | 1.016 | 1.170  | 0.1        | 15.16  | 20    |
| cis-1,2-Dichloroethene | 0.669 | 0.724  |            | 8.22   | 20    |
| 1,1,1-Trichloroethane  | 0.975 | 0.958  |            | -1.74  | 20    |
| Benzene                | 1.398 | 1.412  |            | 1      | 20    |
| 1,2-Dichloroethane     | 0.495 | 0.470  |            | -5.05  | 20    |
| Trichloroethene        | 0.365 | 0.386  |            | 5.75   | 20    |
| 1,1,2-Trichloroethane  | 0.339 | 0.340  |            | 0.29   | 20    |
| Tetrachloroethene      | 0.364 | 0.370  |            | 1.65   | 20    |
| 1,2-Dichloroethane-d4  | 0.671 | 0.588  |            | -12.37 | 20    |
| Dibromofluoromethane   | 0.344 | 0.344  |            | 0      | 20    |
| Toluene-d8             | 1.207 | 1.162  |            | -3.73  | 20    |
| 4-Bromofluorobenzene   | 0.416 | 0.430  |            | 3.37   | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3757</u>                        |
| Instrument ID:      | <u>MSVOA_X</u>    | Calibration Date/Time: | <u>12/08/2025</u> <u>09:20</u>      |
| Lab File ID:        | <u>VX048742.D</u> | Init. Calib. Date(s):  | <u>12/04/2025</u> <u>12/04/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>08:47</u> <u>10:38</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)                    |

| COMPOUND               | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|------------------------|-------|--------|------------|-------|-------|
| Vinyl Chloride         | 0.685 | 0.671  |            | -2.04 | 20    |
| 1,1-Dichloroethene     | 0.581 | 0.547  |            | -5.85 | 20    |
| 1,1-Dichloroethane     | 1.016 | 1.086  | 0.1        | 6.89  | 20    |
| cis-1,2-Dichloroethene | 0.669 | 0.701  |            | 4.78  | 20    |
| 1,1,1-Trichloroethane  | 0.975 | 0.976  |            | 0.1   | 20    |
| Benzene                | 1.398 | 1.441  |            | 3.08  | 20    |
| 1,2-Dichloroethane     | 0.495 | 0.558  |            | 12.73 | 20    |
| Trichloroethene        | 0.365 | 0.370  |            | 1.37  | 20    |
| 1,1,2-Trichloroethane  | 0.339 | 0.389  |            | 14.75 | 20    |
| Tetrachloroethene      | 0.364 | 0.345  |            | -5.22 | 20    |
| 1,2-Dichloroethane-d4  | 0.671 | 0.665  |            | -0.89 | 20    |
| Dibromofluoromethane   | 0.344 | 0.346  |            | 0.58  | 20    |
| Toluene-d8             | 1.207 | 1.218  |            | 0.91  | 20    |
| 4-Bromofluorobenzene   | 0.416 | 0.450  |            | 8.17  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



# SAMPLE RAW DATA

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
 Data File : VX048731.D  
 Acq On : 05 Dec 2025 13:32  
 Operator : JC/MD  
 Sample : Q3757-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-14A-17.5-120325

Quant Time: Dec 05 22:03:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

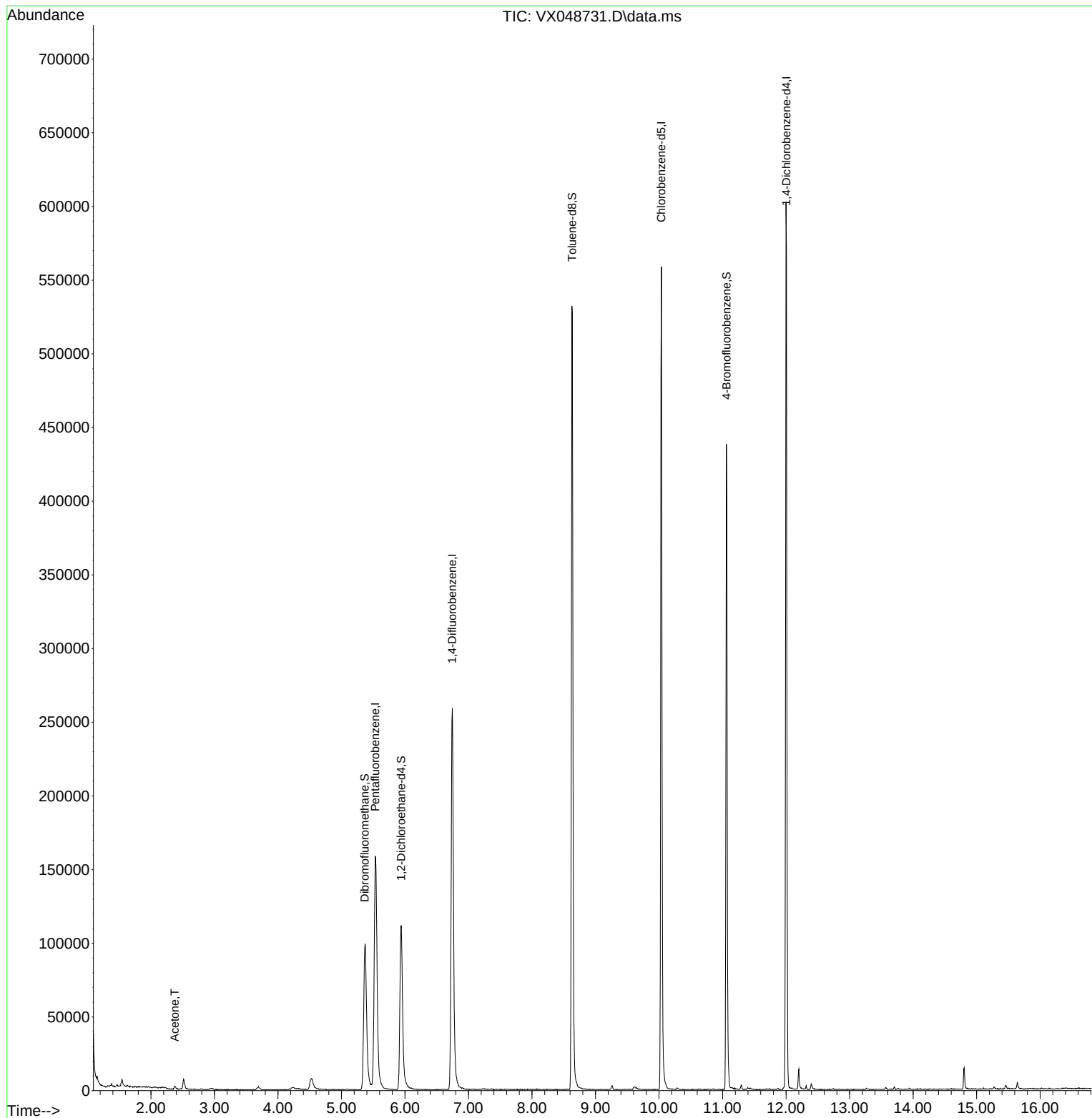
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 5.531  | 168   | 176619   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.744  | 114   | 302604   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.037 | 117   | 274042   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.006 | 152   | 141373   | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 124177   | 52.383   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 104.760% |
| 35) Dibromofluoromethane    | 5.367  | 113   | 103142   | 49.503   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 99.000%  |
| 50) Toluene-d8              | 8.628  | 98    | 355343   | 48.654   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 97.300%  |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 125871   | 49.979   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 99.960%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 16) Acetone                 | 2.373  | 43    | 3056     | 3.368    | ug/l  | 95       |
| -----                       |        |       |          |          |       |          |

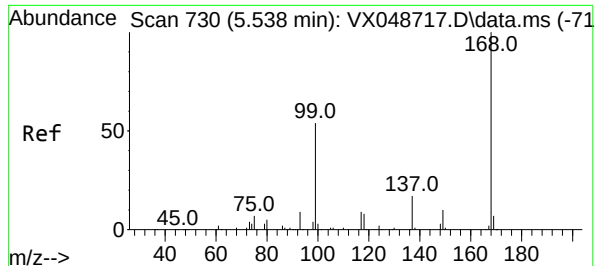
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
Data File : VX048731.D  
Acq On : 05 Dec 2025 13:32  
Operator : JC/MD  
Sample : Q3757-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14A-17.5-120325

Quant Time: Dec 05 22:03:35 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration

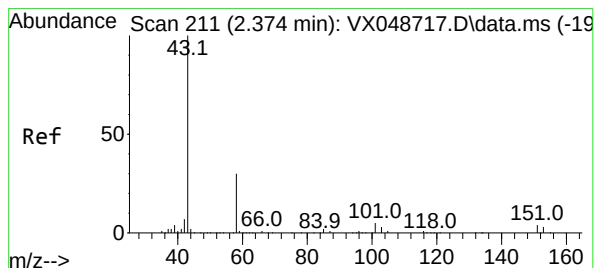
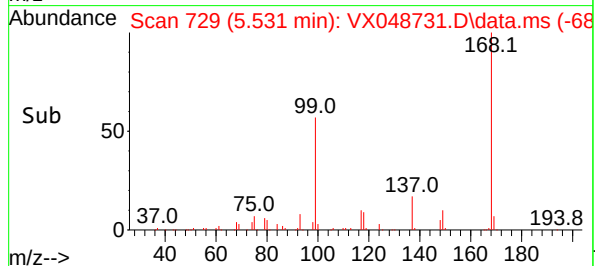
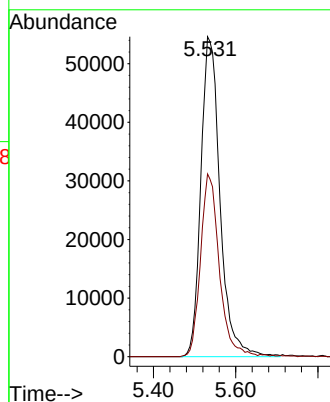
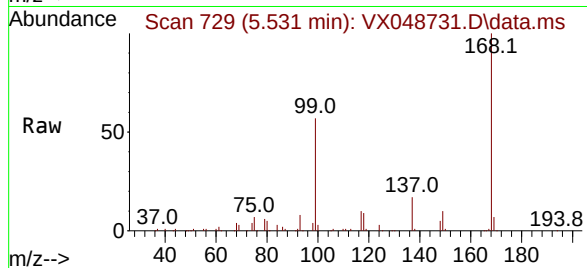




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.531 min Scan# 71  
Delta R.T. -0.007 min  
Lab File: VX048731.D  
Acq: 05 Dec 2025 13:32

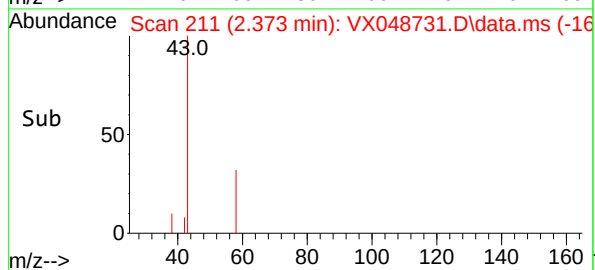
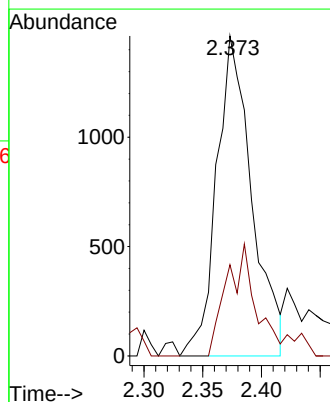
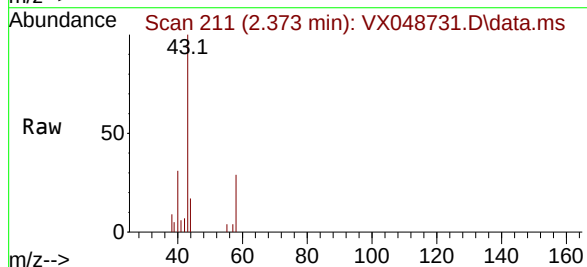
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14A-17.5-120325

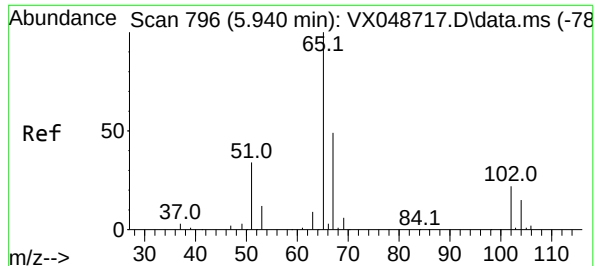
Tgt Ion:168 Resp: 176619  
Ion Ratio Lower Upper  
168 100  
99 57.1 44.2 66.4



#16  
Acetone  
Concen: 3.368 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX048731.D  
Acq: 05 Dec 2025 13:32

Tgt Ion: 43 Resp: 3056  
Ion Ratio Lower Upper  
43 100  
58 28.5 25.0 37.4





#33

1,2-Dichloroethane-d4

Concen: 52.383 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048731.D

Acq: 05 Dec 2025 13:32

Instrument :

MSVOA\_X

ClientSampleId :

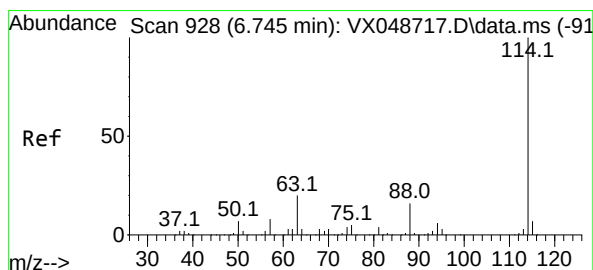
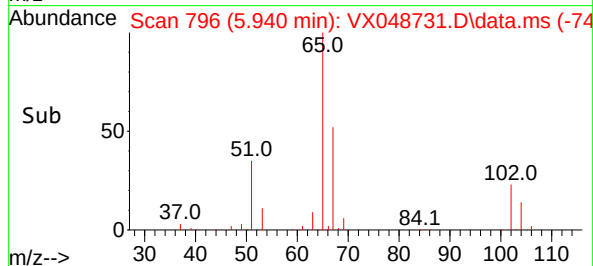
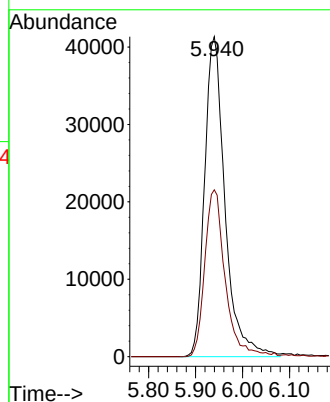
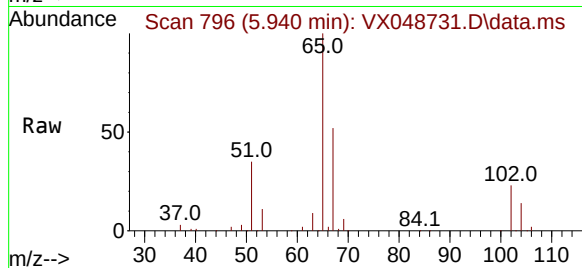
MW-14A-17.5-120325

Tgt Ion: 65 Resp: 124177

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.744 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048731.D

Acq: 05 Dec 2025 13:32

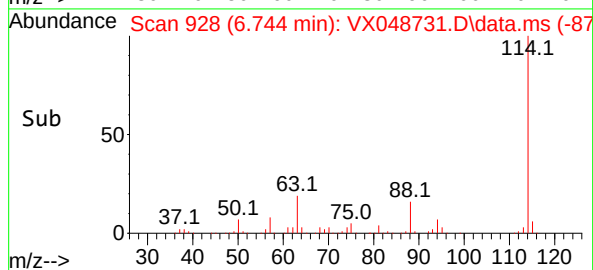
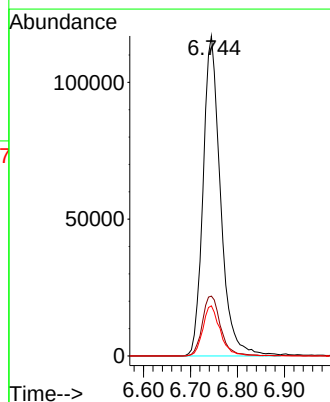
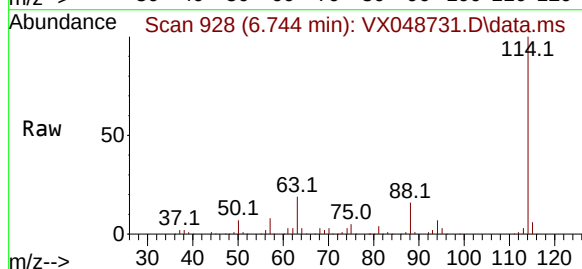
Tgt Ion: 114 Resp: 302604

Ion Ratio Lower Upper

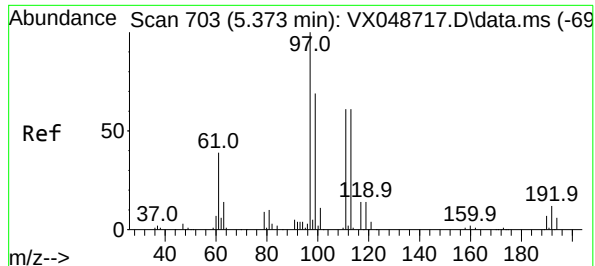
114 100

63 18.7 0.0 39.0

88 15.7 0.0 31.8







#35

Dibromofluoromethane

Concen: 49.503 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX048731.D

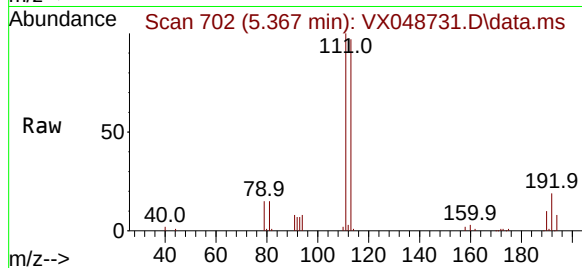
Acq: 05 Dec 2025 13:32

Instrument :

MSVOA\_X

ClientSampleId :

MW-14A-17.5-120325



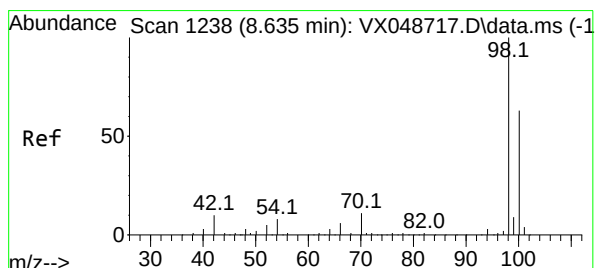
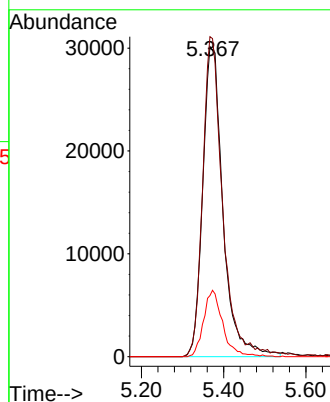
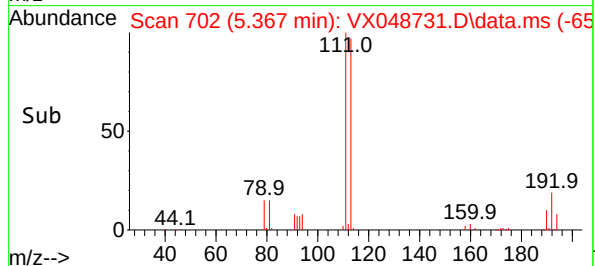
Tgt Ion:113 Resp: 103142

Ion Ratio Lower Upper

113 100

111 102.1 79.5 119.3

192 20.2 16.1 24.1



#50

Toluene-d8

Concen: 48.654 ug/l

RT: 8.628 min Scan# 1237

Delta R.T. -0.006 min

Lab File: VX048731.D

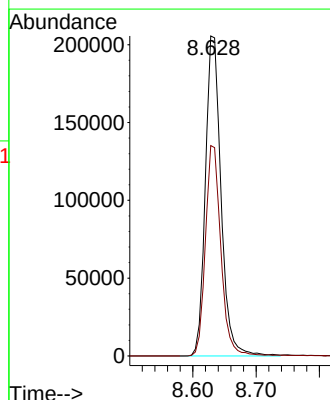
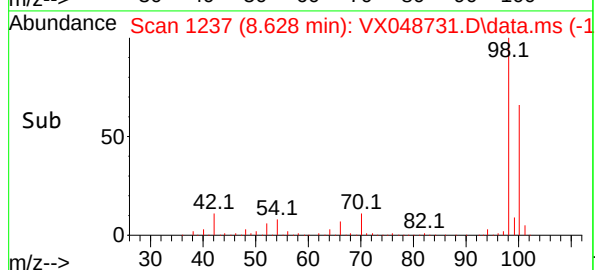
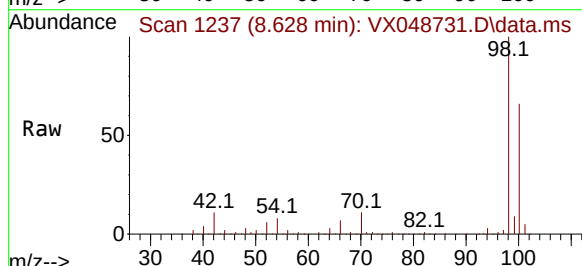
Acq: 05 Dec 2025 13:32

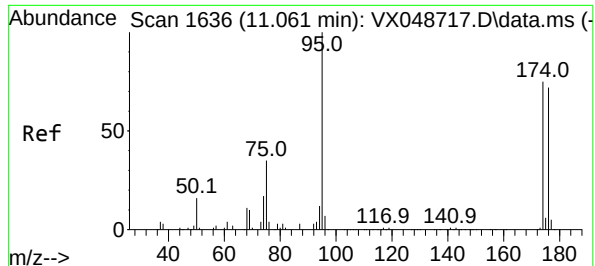
Tgt Ion: 98 Resp: 355343

Ion Ratio Lower Upper

98 100

100 65.2 53.4 80.0

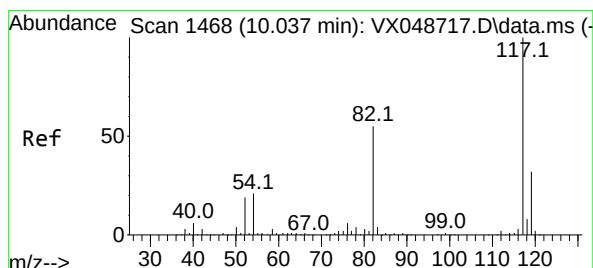
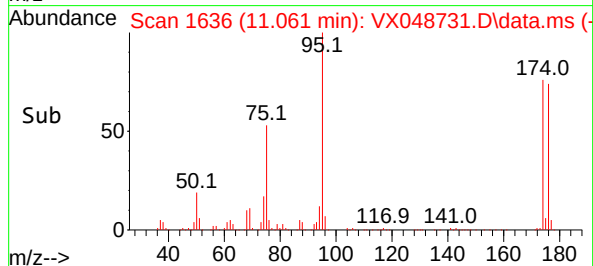
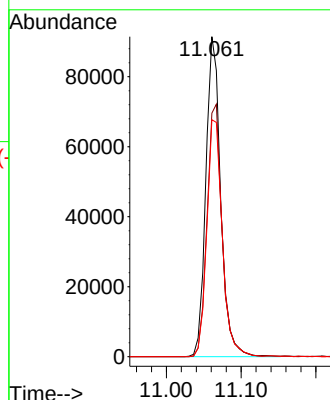
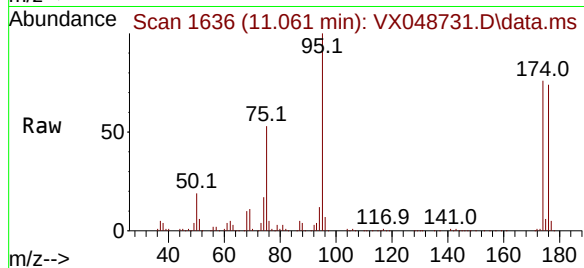




#62  
4-Bromofluorobenzene  
Concen: 49.979 ug/l  
RT: 11.061 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX048731.D  
Acq: 05 Dec 2025 13:32

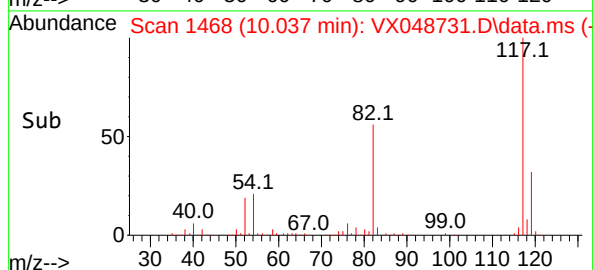
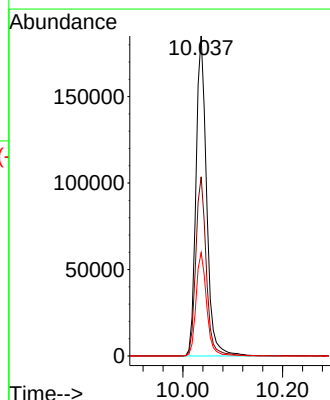
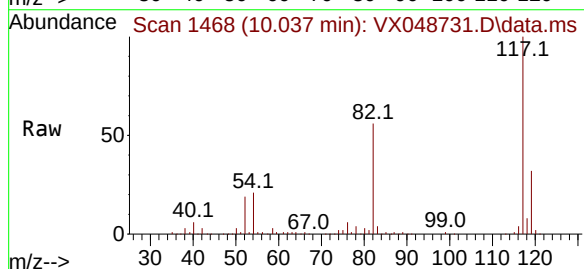
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14A-17.5-120325

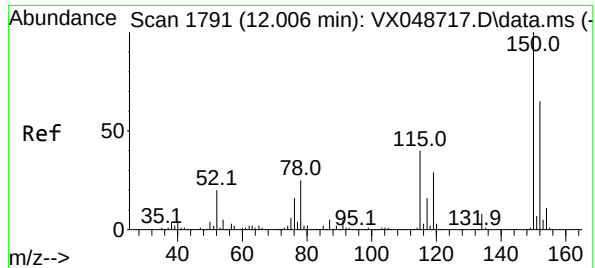
Tgt Ion: 95 Resp: 125871  
Ion Ratio Lower Upper  
95 100  
174 80.3 0.0 157.8  
176 77.3 0.0 154.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX048731.D  
Acq: 05 Dec 2025 13:32

Tgt Ion: 117 Resp: 274042  
Ion Ratio Lower Upper  
117 100  
82 56.0 44.1 66.1  
119 32.3 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048731.D

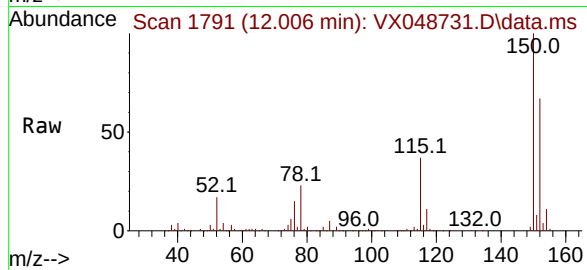
Acq: 05 Dec 2025 13:32

Instrument :

MSVOA\_X

ClientSampleId :

MW-14A-17.5-120325



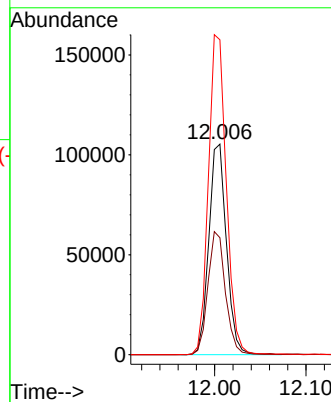
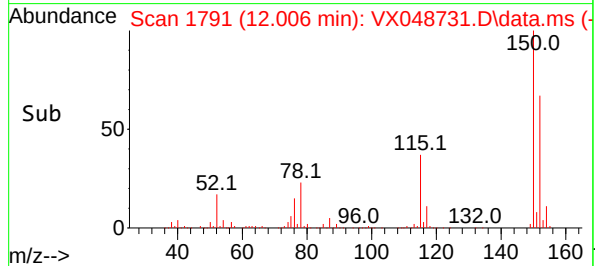
Tgt Ion:152 Resp: 141373

Ion Ratio Lower Upper

152 100

115 58.1 42.1 126.4

150 154.1 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
 Data File : VX048732.D  
 Acq On : 05 Dec 2025 13:53  
 Operator : JC/MD  
 Sample : Q3757-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BR-03D-490-120325

Quant Time: Dec 05 22:04:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

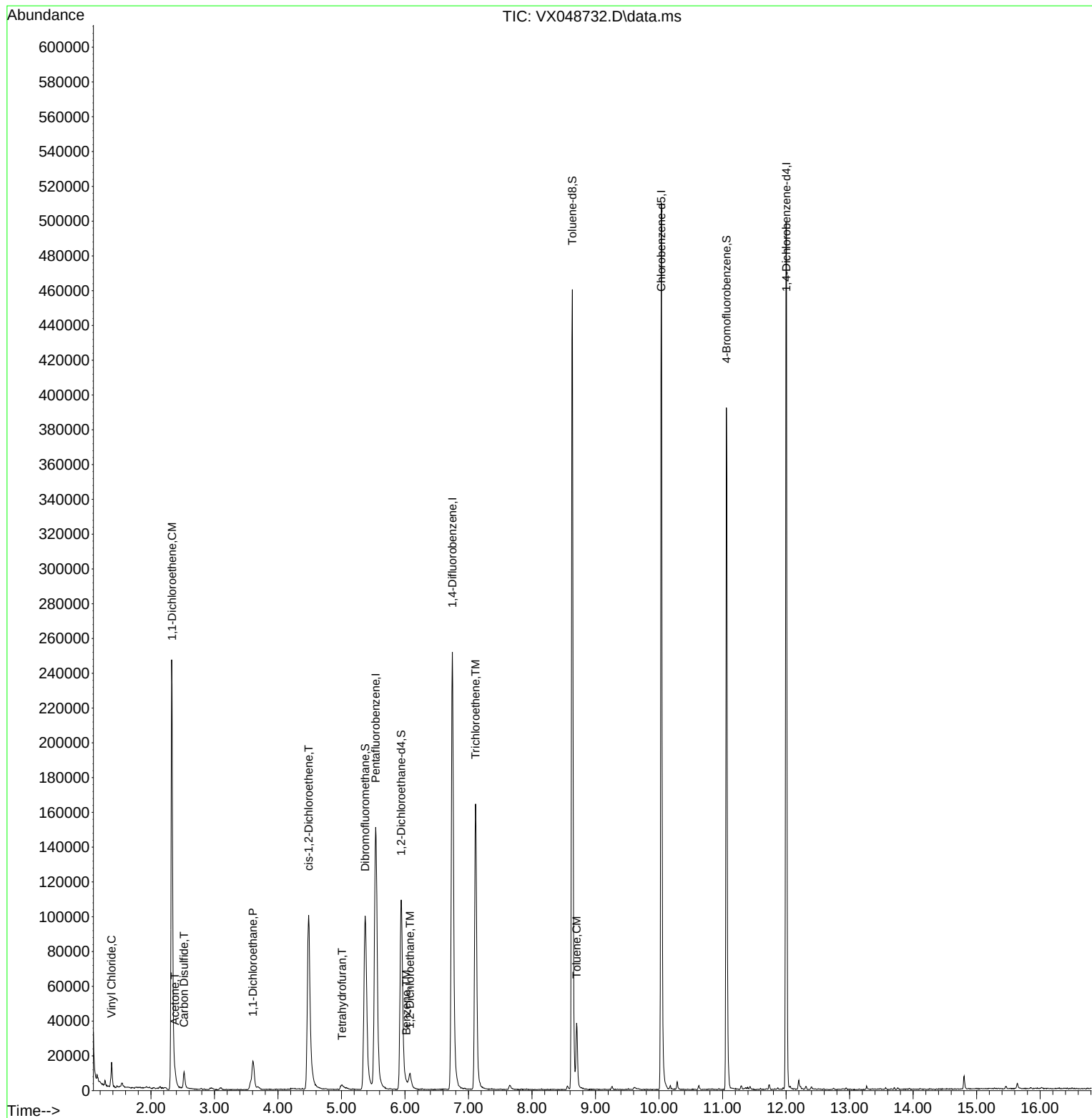
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.538     | 168   | 163180   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.745     | 114   | 280929   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.037    | 117   | 230844   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.006    | 152   | 110489   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.940     | 65    | 120640   | 55.082   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | =      | 110.160% |
| 35) Dibromofluoromethane    | 5.373     | 113   | 100214   | 51.809   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 103.620% |
| 50) Toluene-d8              | 8.635     | 98    | 290658   | 42.868   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | =      | 85.740%# |
| 62) 4-Bromofluorobenzene    | 11.061    | 95    | 106460   | 45.533   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 91.060%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          | Qvalue |          |
| 4) Vinyl Chloride           | 1.380     | 62    | 8761     | 3.921    | ug/l   | 95       |
| 12) 1,1-Dichloroethene      | 2.331     | 96    | 91225    | 48.143   | ug/l   | 98       |
| 16) Acetone                 | 2.380     | 43    | 2388     | 2.848    | ug/l   | 89       |
| 17) Carbon Disulfide        | 2.520     | 76    | 14803    | 2.690    | ug/l # | 93       |
| 24) 1,1-Dichloroethane      | 3.605     | 63    | 21327    | 6.432    | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene  | 4.483     | 96    | 76248    | 34.939   | ug/l   | 89       |
| 29) Tetrahydrofuran         | 5.007     | 42    | 2915     | 3.085    | ug/l # | 78       |
| 40) Benzene                 | 6.019     | 78    | 1766     | 0.225    | ug/l   | 98       |
| 42) 1,2-Dichloroethane      | 6.080     | 62    | 10373    | 3.732    | ug/l   | 94       |
| 44) Trichloroethene         | 7.110     | 130   | 72016    | 35.143   | ug/l   | 100      |
| 52) Toluene                 | 8.702     | 92    | 14719    | 3.108    | ug/l   | 100      |
| -----                       |           |       |          |          |        |          |

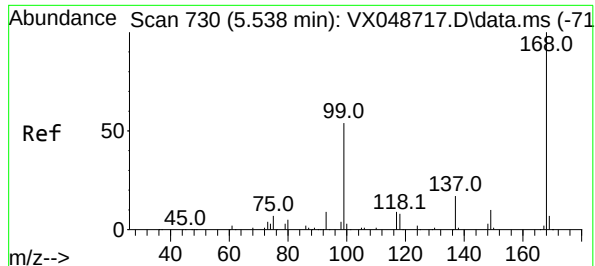
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
Data File : VX048732.D  
Acq On : 05 Dec 2025 13:53  
Operator : JC/MD  
Sample : Q3757-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BR-03D-490-120325

Quant Time: Dec 05 22:04:09 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
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: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA\_X

ClientSampleId :

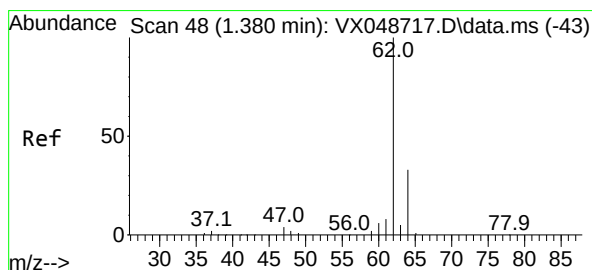
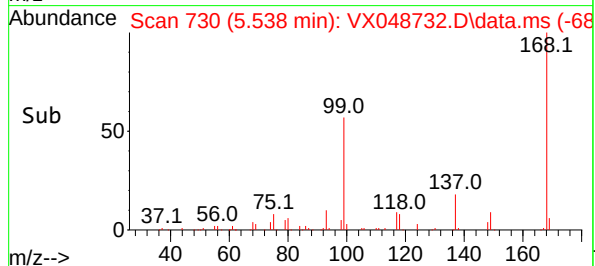
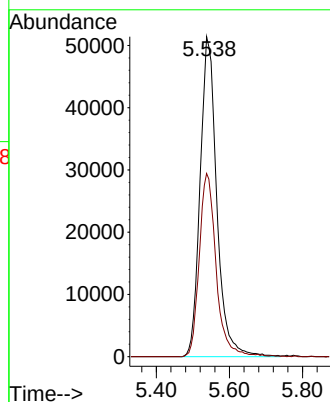
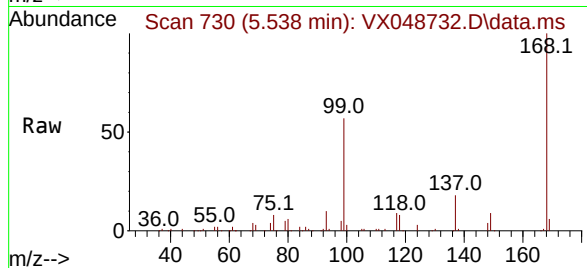
BR-03D-490-120325

Tgt Ion:168 Resp: 163180

Ion Ratio Lower Upper

168 100

99 57.3 44.2 66.4



#4

Vinyl Chloride

Concen: 3.921 ug/l

RT: 1.380 min Scan# 48

Delta R.T. -0.000 min

Lab File: VX048732.D

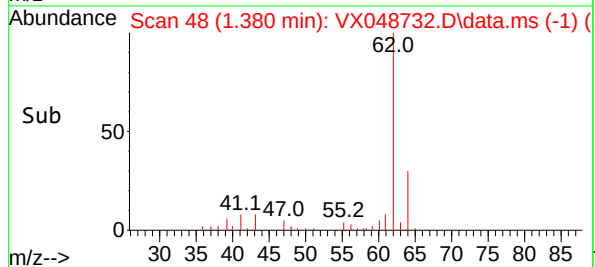
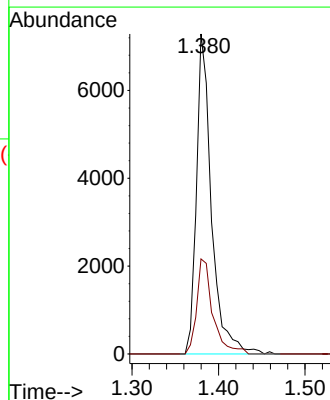
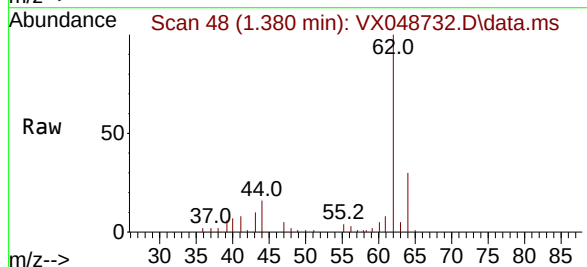
Acq: 05 Dec 2025 13:53

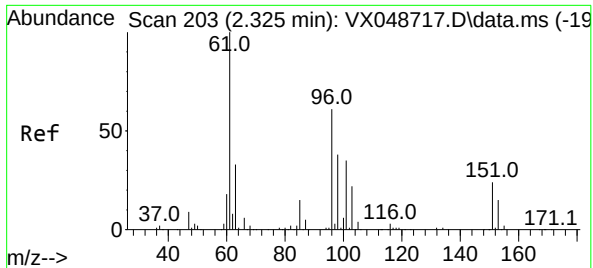
Tgt Ion: 62 Resp: 8761

Ion Ratio Lower Upper

62 100

64 29.7 26.0 39.0





#12

1,1-Dichloroethene

Concen: 48.143 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA\_X

ClientSampleId :

BR-03D-490-120325

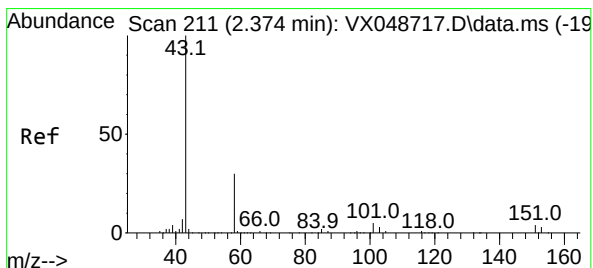
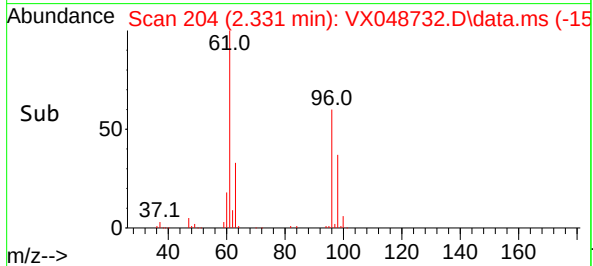
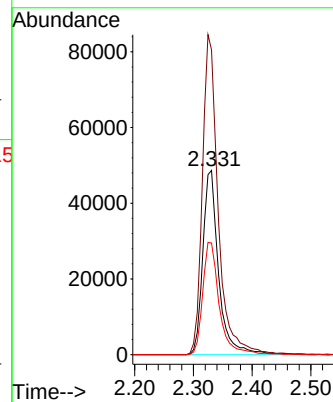
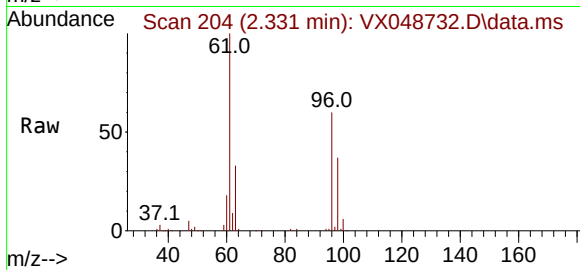
Tgt Ion: 96 Resp: 91225

Ion Ratio Lower Upper

96 100

61 165.4 130.7 196.1

98 60.6 49.8 74.8



#16

Acetone

Concen: 2.848 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX048732.D

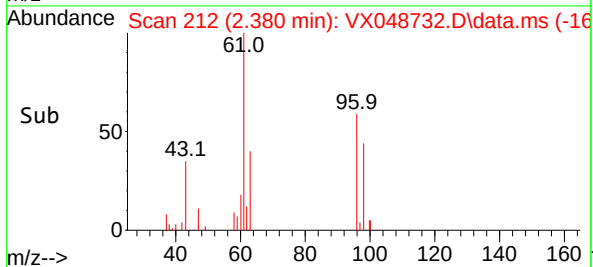
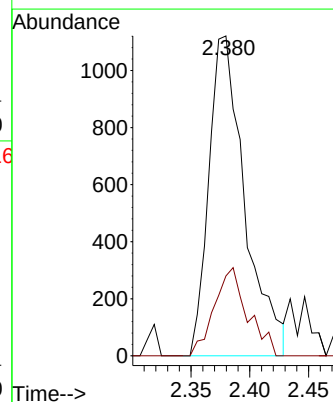
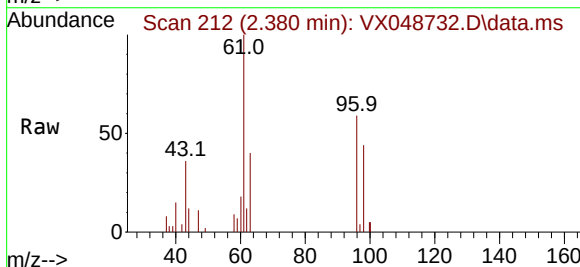
Acq: 05 Dec 2025 13:53

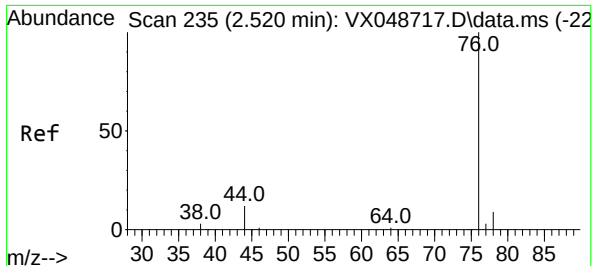
Tgt Ion: 43 Resp: 2388

Ion Ratio Lower Upper

43 100

58 25.0 25.0 37.4





#17

Carbon Disulfide

Concen: 2.690 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA\_X

ClientSampleId :

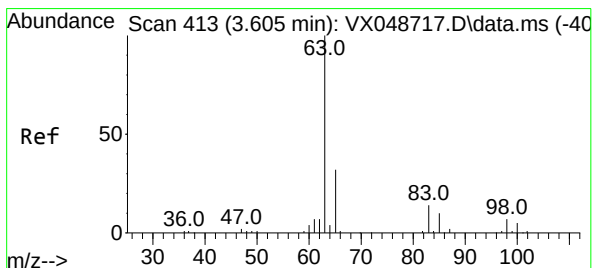
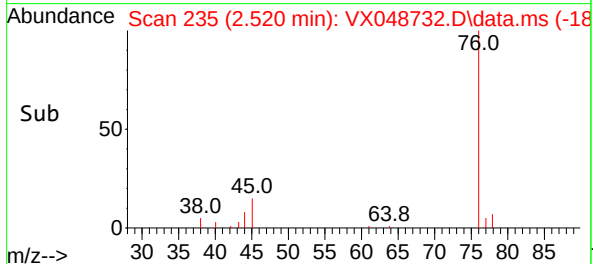
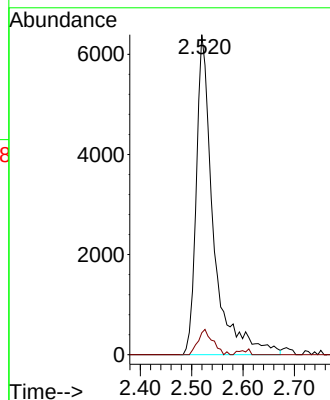
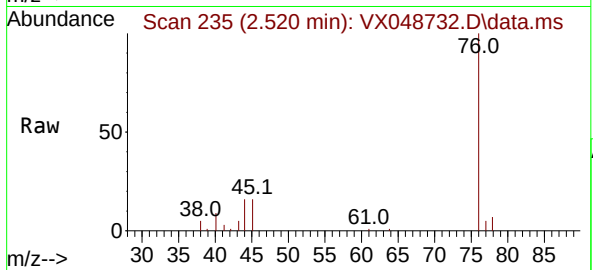
BR-03D-490-120325

Tgt Ion: 76 Resp: 14803

Ion Ratio Lower Upper

76 100

78 6.8 7.4 11.2#



#24

1,1-Dichloroethane

Concen: 6.432 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

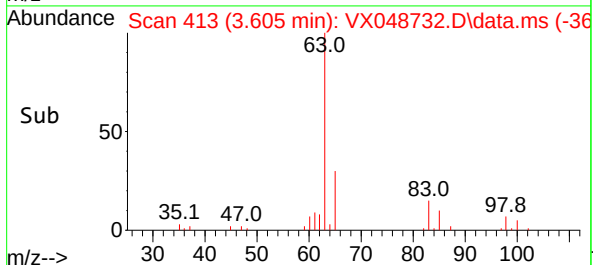
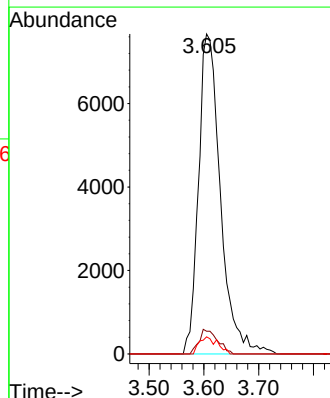
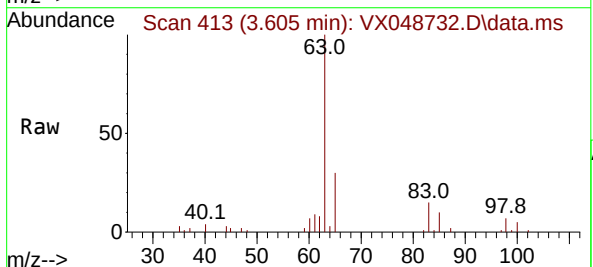
Tgt Ion: 63 Resp: 21327

Ion Ratio Lower Upper

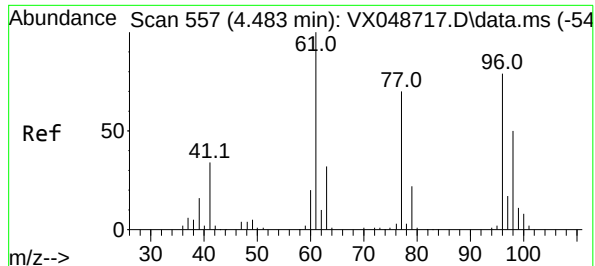
63 100

98 7.1 3.5 10.6

100 5.4 2.5 7.4







#27

cis-1,2-Dichloroethene

Concen: 34.939 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA\_X

ClientSampleId :

BR-03D-490-120325

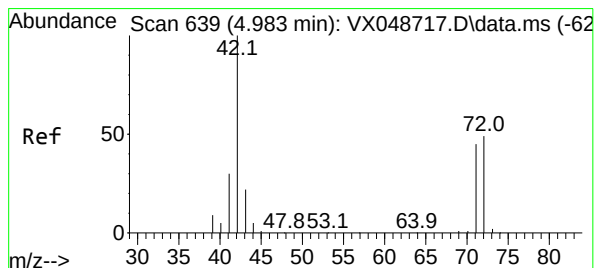
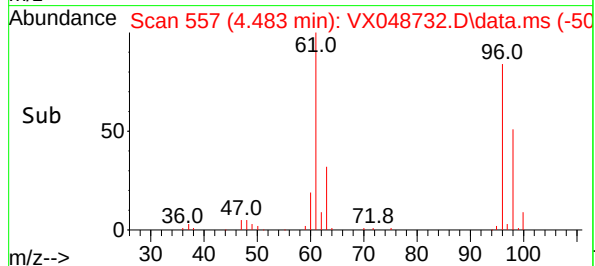
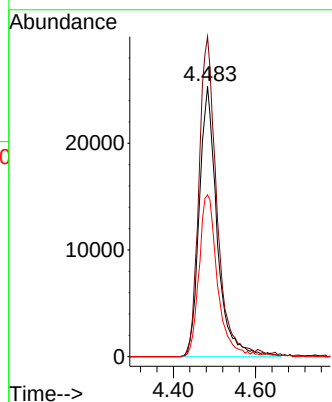
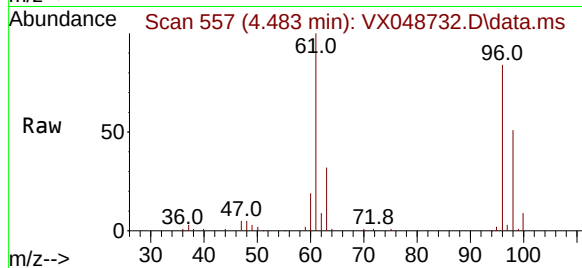
Tgt Ion: 96 Resp: 76248

Ion Ratio Lower Upper

96 100

61 118.2 0.0 271.0

98 62.0 0.0 130.2



#29

Tetrahydrofuran

Concen: 3.085 ug/l

RT: 5.007 min Scan# 643

Delta R.T. 0.024 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

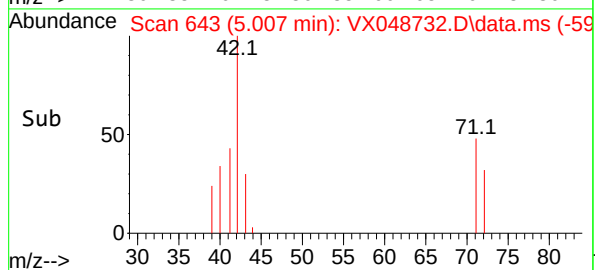
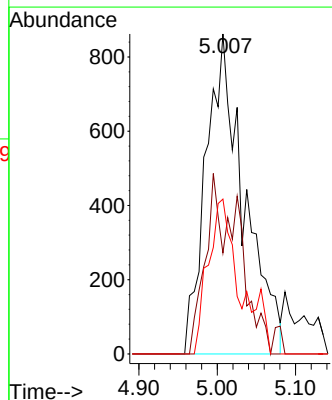
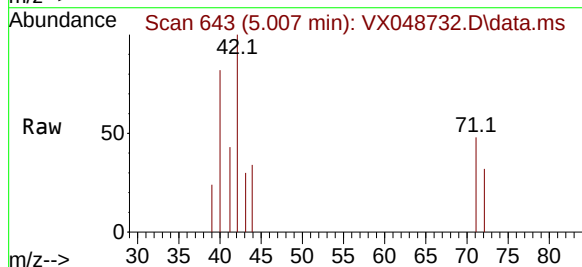
Tgt Ion: 42 Resp: 2915

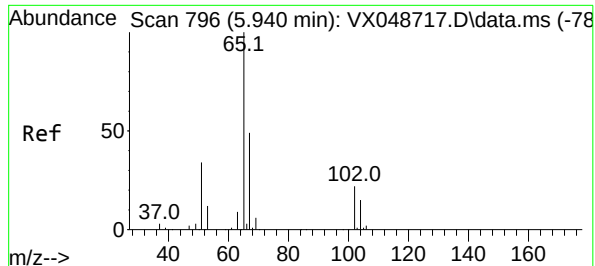
Ion Ratio Lower Upper

42 100

72 24.0 39.4 59.2#

71 40.5 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 55.082 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA\_X

ClientSampleId :

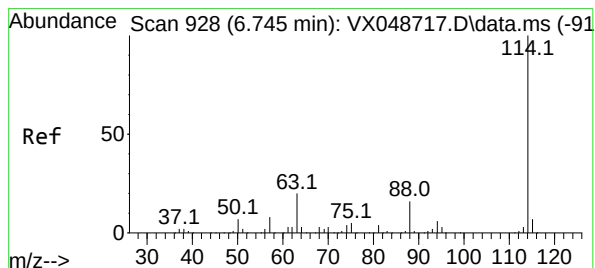
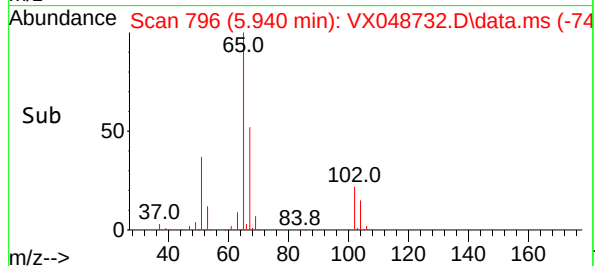
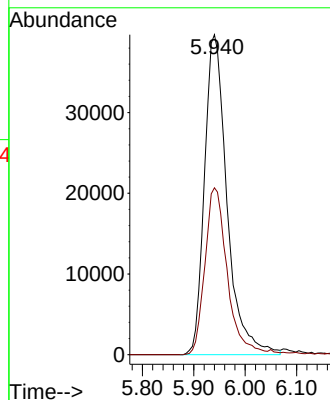
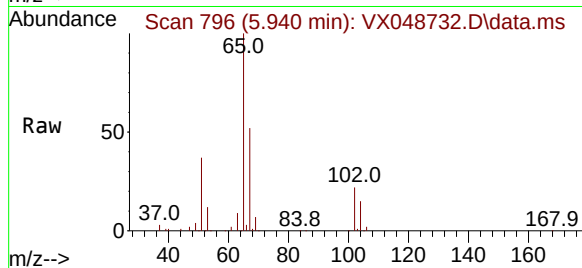
BR-03D-490-120325

Tgt Ion: 65 Resp: 120640

Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

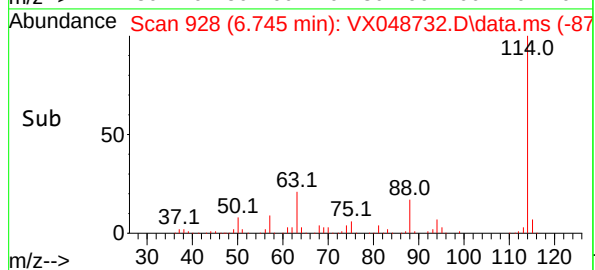
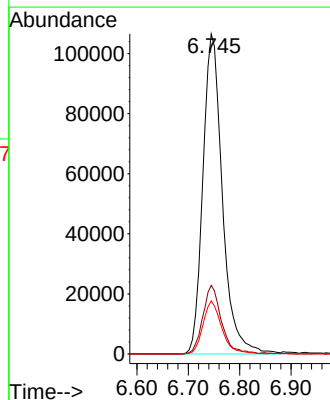
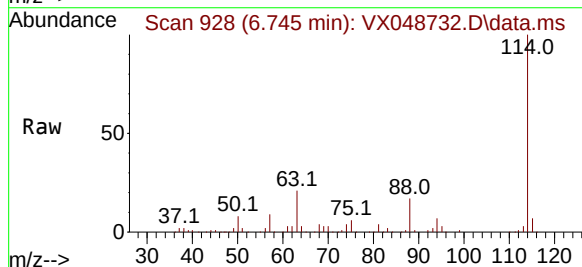
Tgt Ion: 114 Resp: 280929

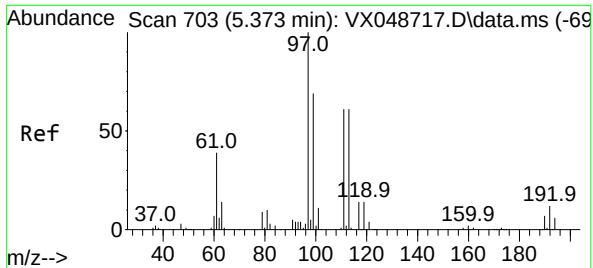
Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

88 16.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.809 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048732.D

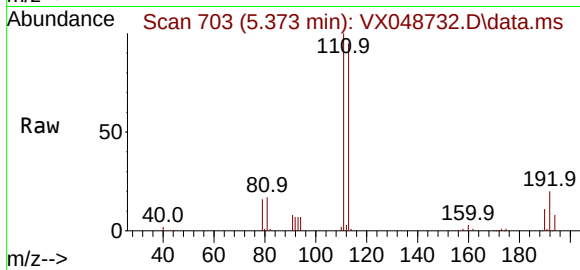
Acq: 05 Dec 2025 13:53

Instrument :

MSVOA\_X

ClientSampleId :

BR-03D-490-120325



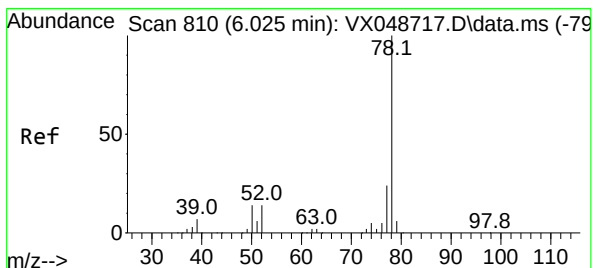
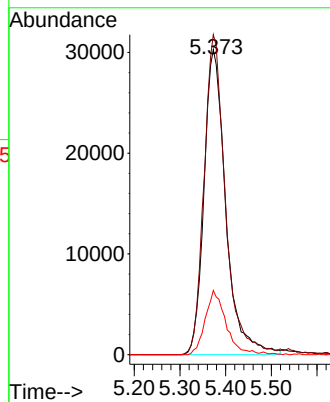
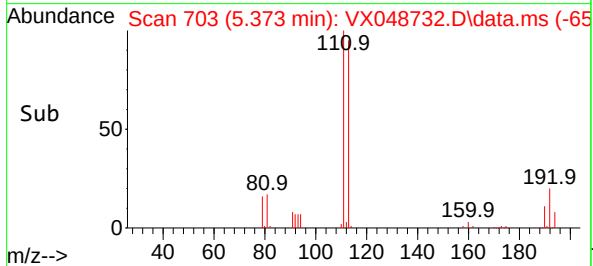
Tgt Ion:113 Resp: 100214

Ion Ratio Lower Upper

113 100

111 102.9 79.5 119.3

192 19.9 16.1 24.1



#40

Benzene

Concen: 0.225 ug/l

RT: 6.019 min Scan# 809

Delta R.T. -0.006 min

Lab File: VX048732.D

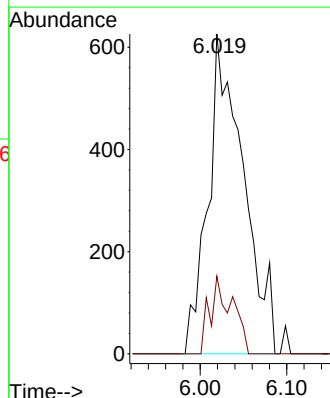
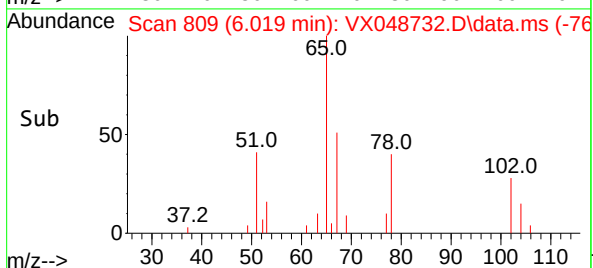
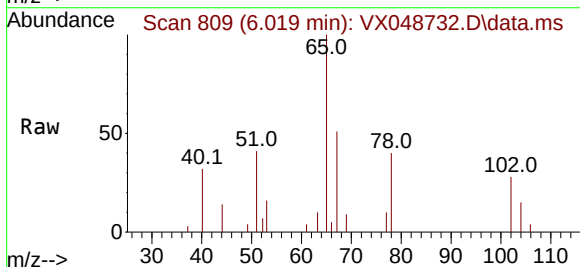
Acq: 05 Dec 2025 13:53

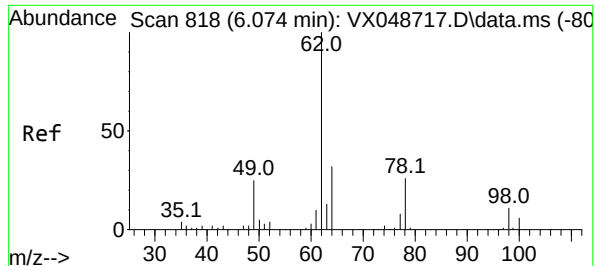
Tgt Ion: 78 Resp: 1766

Ion Ratio Lower Upper

78 100

77 24.3 18.8 28.2





#42

1,2-Dichloroethane

Concen: 3.732 ug/l

RT: 6.080 min Scan# 818

Delta R.T. 0.006 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA\_X

ClientSampleId :

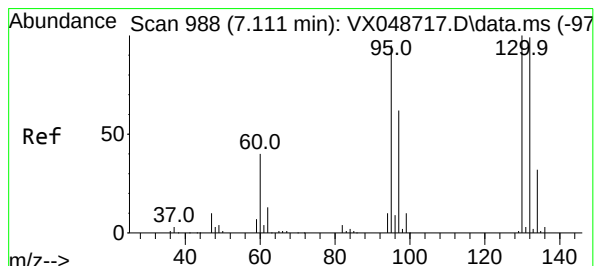
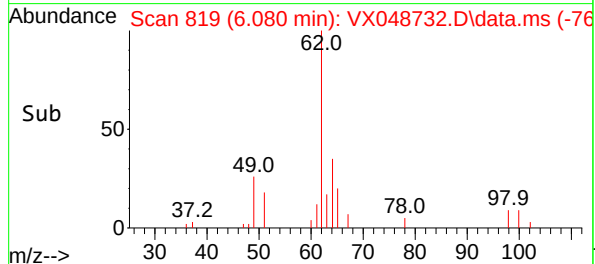
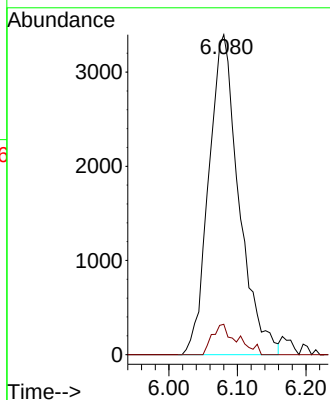
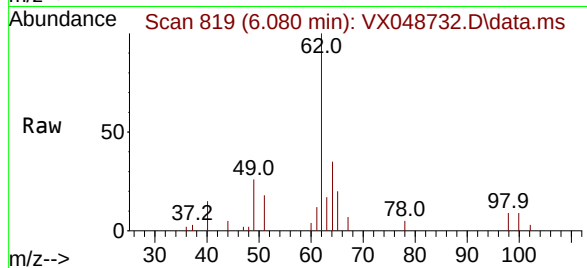
BR-03D-490-120325

Tgt Ion: 62 Resp: 10373

Ion Ratio Lower Upper

62 100

98 7.8 0.0 20.2



#44

Trichloroethene

Concen: 35.143 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048732.D

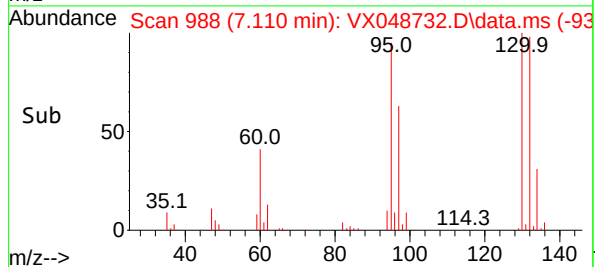
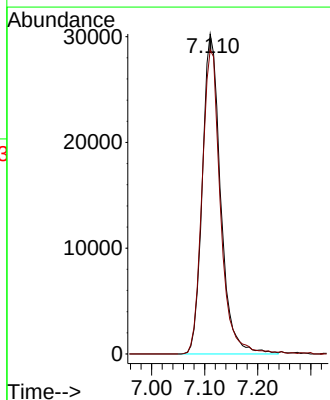
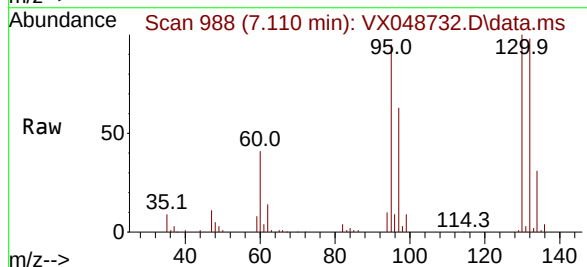
Acq: 05 Dec 2025 13:53

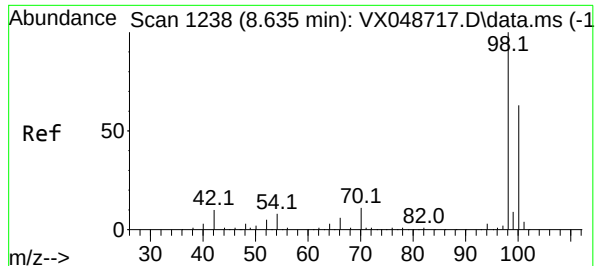
Tgt Ion:130 Resp: 72016

Ion Ratio Lower Upper

130 100

95 95.0 0.0 189.6





#50

Toluene-d8

Concen: 42.868 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA\_X

ClientSampleId :

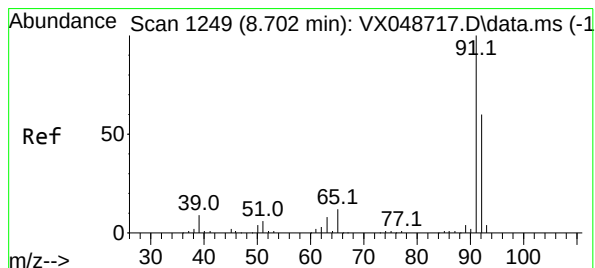
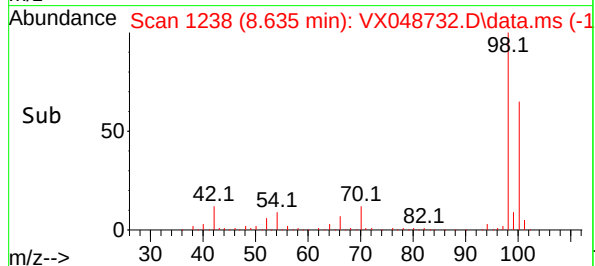
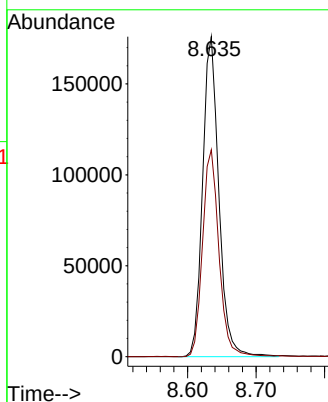
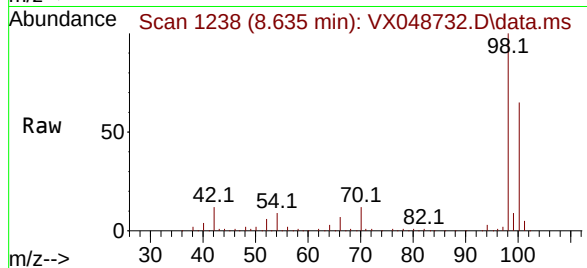
BR-03D-490-120325

Tgt Ion: 98 Resp: 290658

Ion Ratio Lower Upper

98 100

100 65.3 53.4 80.0



#52

Toluene

Concen: 3.108 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VX048732.D

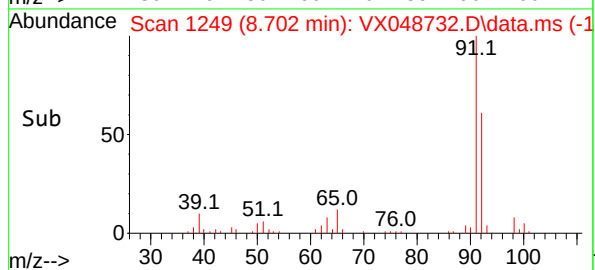
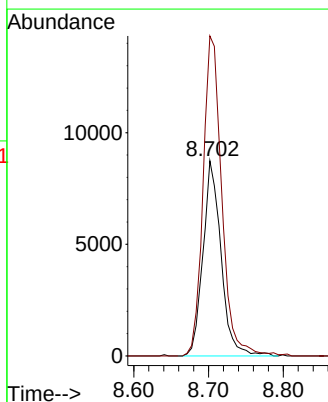
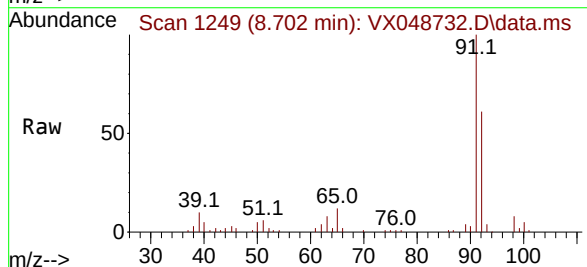
Acq: 05 Dec 2025 13:53

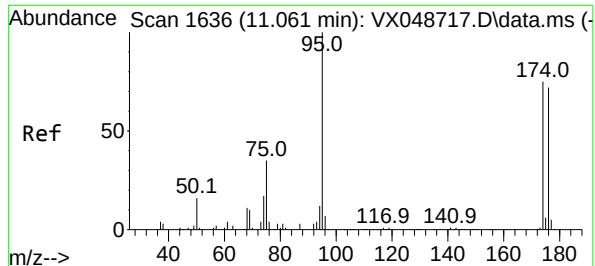
Tgt Ion: 92 Resp: 14719

Ion Ratio Lower Upper

92 100

91 169.9 136.3 204.5





#62

4-Bromofluorobenzene

Concen: 45.533 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA\_X

ClientSampleId :

BR-03D-490-120325

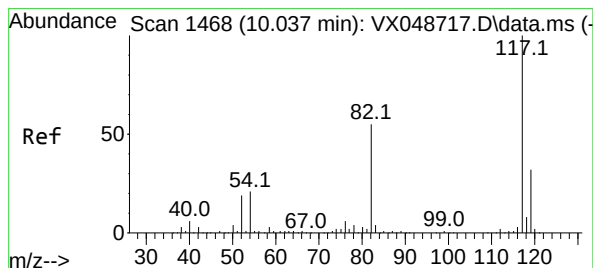
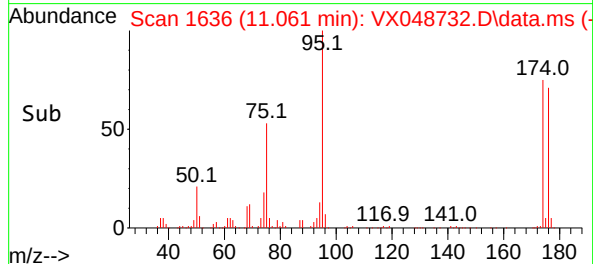
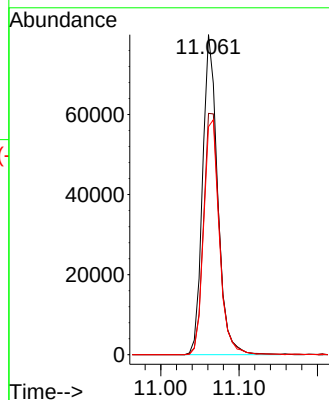
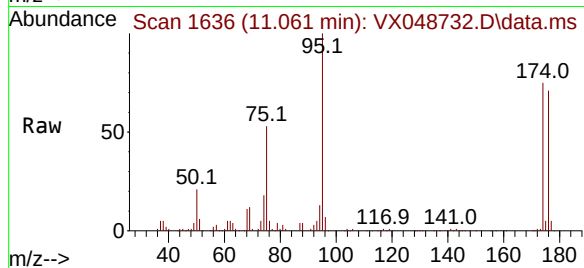
Tgt Ion: 95 Resp: 106460

Ion Ratio Lower Upper

95 100

174 80.3 0.0 157.8

176 76.6 0.0 154.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

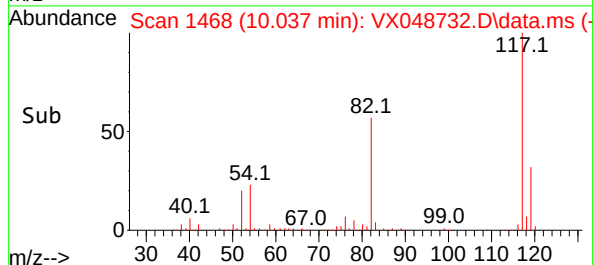
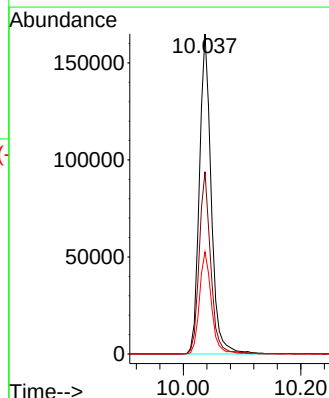
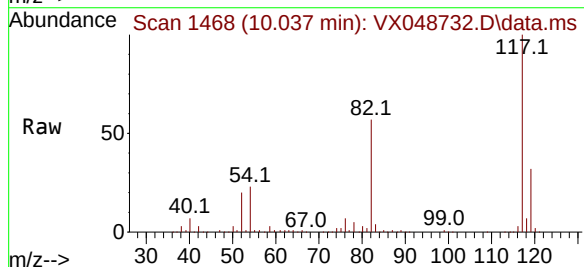
Tgt Ion: 117 Resp: 230844

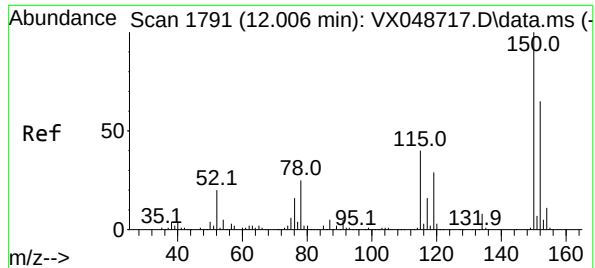
Ion Ratio Lower Upper

117 100

82 56.9 44.1 66.1

119 31.9 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048732.D

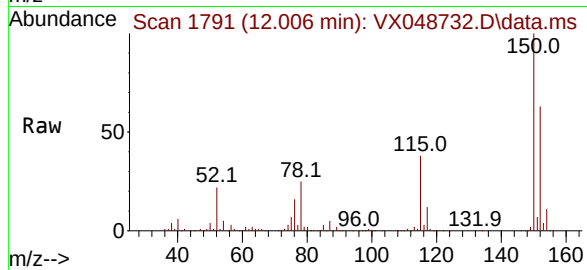
Acq: 05 Dec 2025 13:53

Instrument :

MSVOA\_X

ClientSampleId :

BR-03D-490-120325



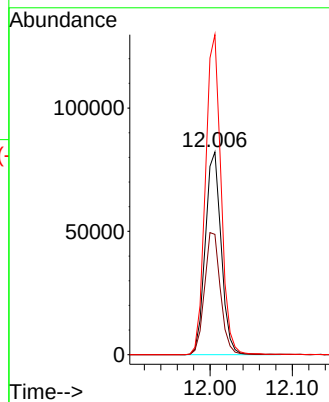
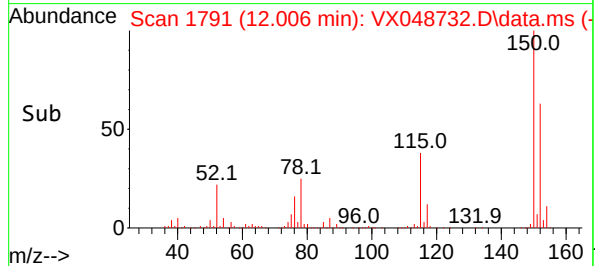
Tgt Ion:152 Resp: 110489

Ion Ratio Lower Upper

152 100

115 60.4 42.1 126.4

150 154.7 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
 Data File : VX048733.D  
 Acq On : 05 Dec 2025 14:13  
 Operator : JC/MD  
 Sample : Q3757-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-14B-46-120325

Quant Time: Dec 05 22:04:43 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units | Dev(Min)   |
|-----------------------------|----------------|------|------------|----------|-------|------------|
| -----                       |                |      |            |          |       |            |
| Internal Standards          |                |      |            |          |       |            |
| 1) Pentafluorobenzene       | 5.537          | 168  | 161591     | 50.000   | ug/l  | 0.00       |
| 34) 1,4-Difluorobenzene     | 6.751          | 114  | 286549     | 50.000   | ug/l  | 0.00       |
| 63) Chlorobenzene-d5        | 10.037         | 117  | 220300     | 50.000   | ug/l  | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 12.006         | 152  | 131055     | 50.000   | ug/l  | 0.00       |
|                             |                |      |            |          |       |            |
| System Monitoring Compounds |                |      |            |          |       |            |
| 33) 1,2-Dichloroethane-d4   | 5.946          | 65   | 102428     | 47.227   | ug/l  | 0.00       |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 94.460%  |       |            |
| 35) Dibromofluoromethane    | 5.379          | 113  | 80744      | 40.924   | ug/l  | 0.00       |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 81.840%  |       |            |
| 50) Toluene-d8              | 8.634          | 98   | 244075     | 35.291   | ug/l  | 0.00       |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 70.580%# |       |            |
| 62) 4-Bromofluorobenzene    | 11.061         | 95   | 103850     | 43.546   | ug/l  | 0.00       |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 87.100%  |       |            |
|                             |                |      |            |          |       |            |
| Target Compounds            |                |      |            |          |       |            |
| 16) Acetone                 | 2.373          | 43   | 2569       | 3.094    | ug/l  | Qvalue 100 |
| -----                       |                |      |            |          |       |            |

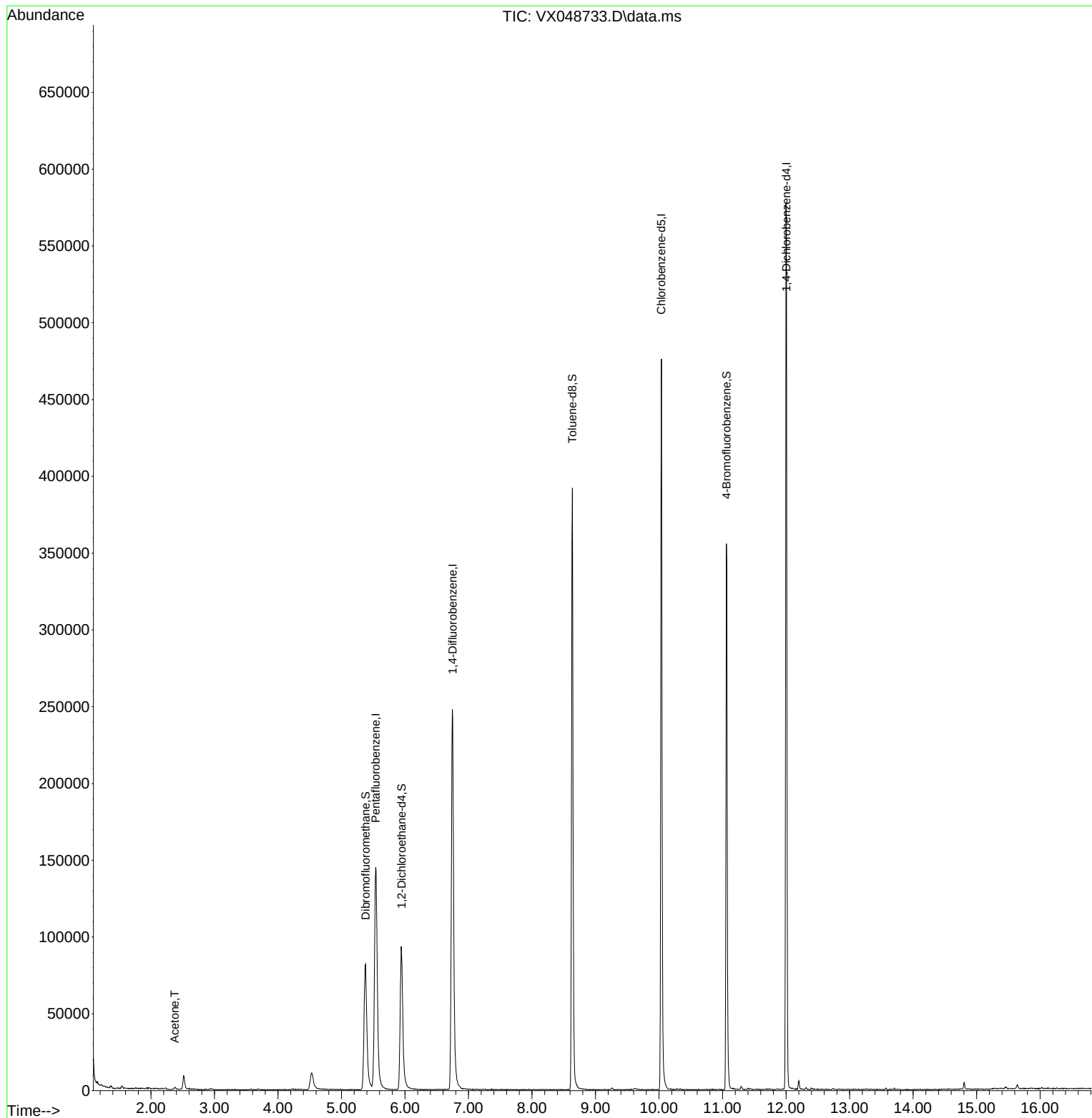
(#) = qualifier out of range (m) = manual integration (+) = signals summed

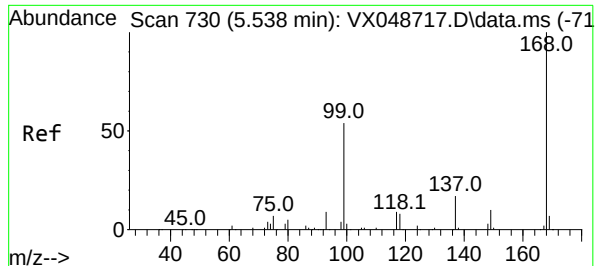


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
Data File : VX048733.D  
Acq On : 05 Dec 2025 14:13  
Operator : JC/MD  
Sample : Q3757-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14B-46-120325

Quant Time: Dec 05 22:04:43 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration



#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.537 min Scan# 71

Delta R.T. -0.001 min

Lab File: VX048733.D

Acq: 05 Dec 2025 14:13

Instrument :

MSVOA\_X

ClientSampleId :

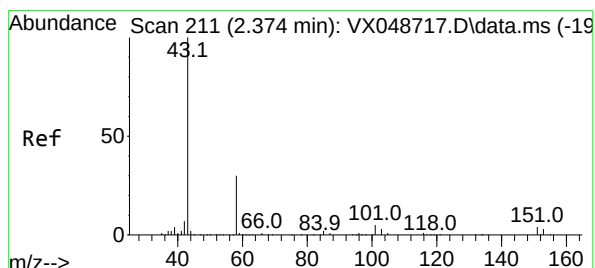
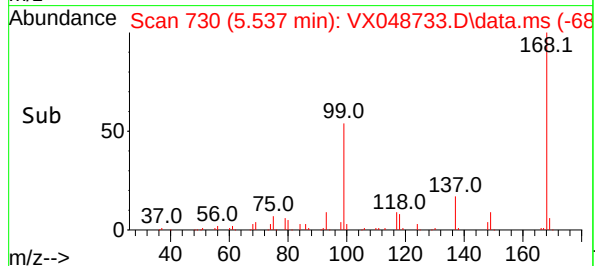
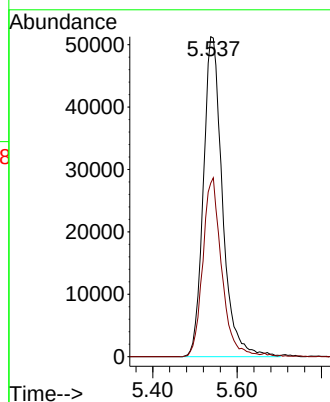
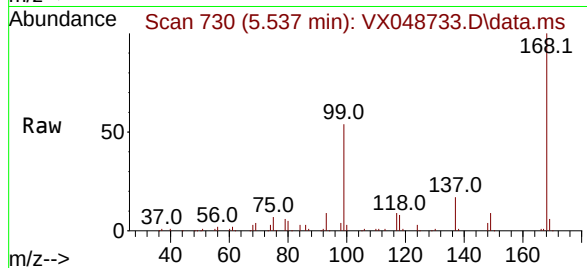
MW-14B-46-120325

Tgt Ion:168 Resp: 161591

Ion Ratio Lower Upper

168 100

99 54.2 44.2 66.4



#16

Acetone

Concen: 3.094 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048733.D

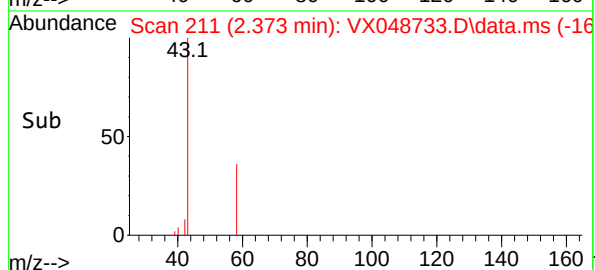
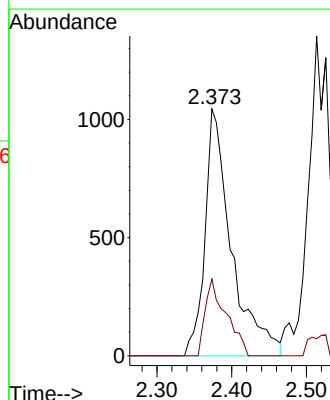
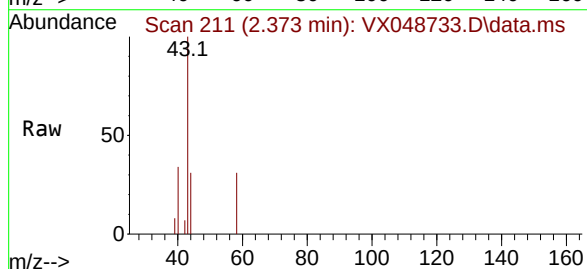
Acq: 05 Dec 2025 14:13

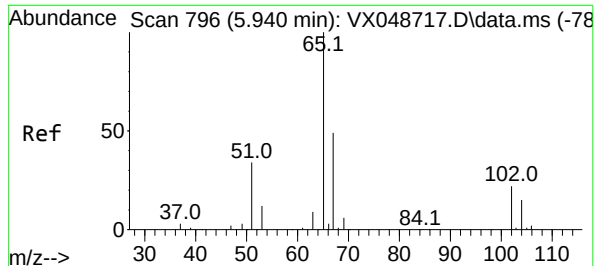
Tgt Ion: 43 Resp: 2569

Ion Ratio Lower Upper

43 100

58 31.1 25.0 37.4





#33

1,2-Dichloroethane-d4

Concen: 47.227 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048733.D

Acq: 05 Dec 2025 14:13

Instrument :

MSVOA\_X

ClientSampleId :

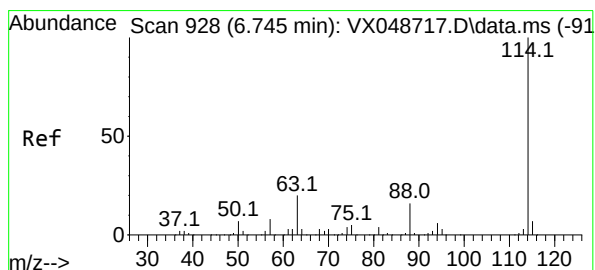
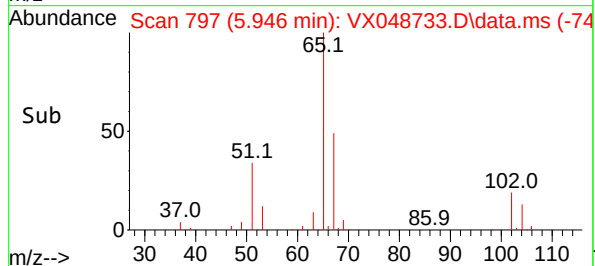
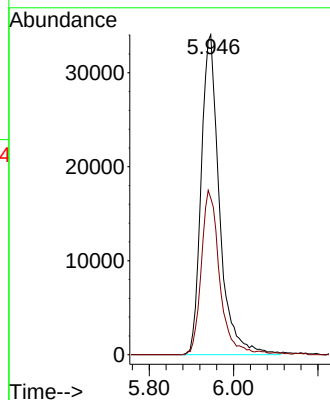
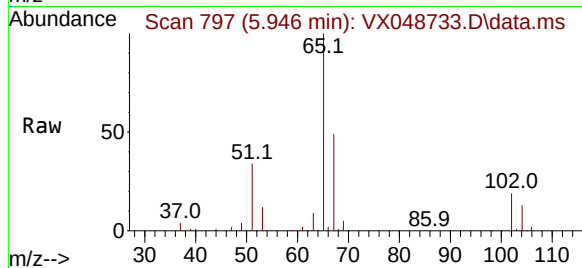
MW-14B-46-120325

Tgt Ion: 65 Resp: 102428

Ion Ratio Lower Upper

65 100

67 51.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048733.D

Acq: 05 Dec 2025 14:13

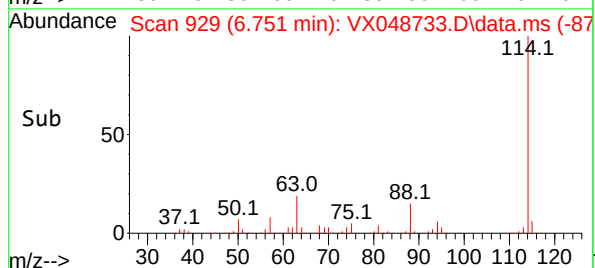
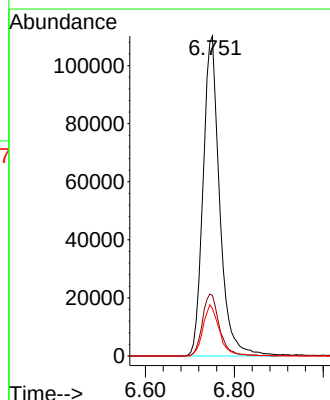
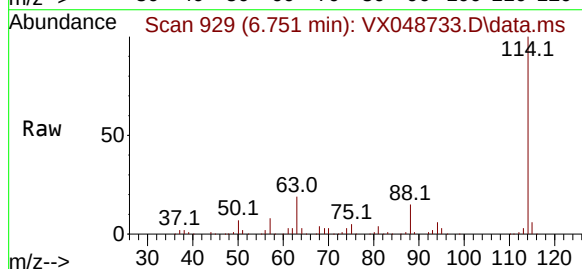
Tgt Ion: 114 Resp: 286549

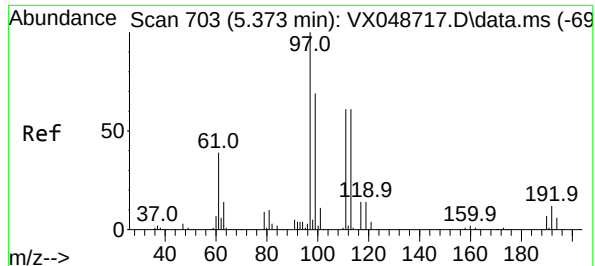
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.0

88 14.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 40.924 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048733.D

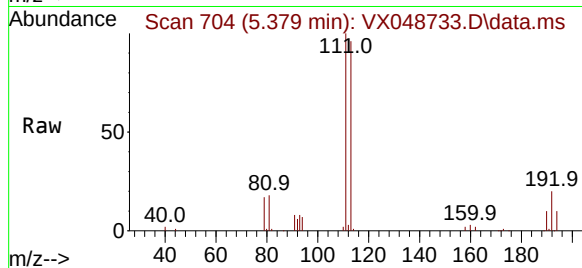
Acq: 05 Dec 2025 14:13

Instrument :

MSVOA\_X

ClientSampleId :

MW-14B-46-120325



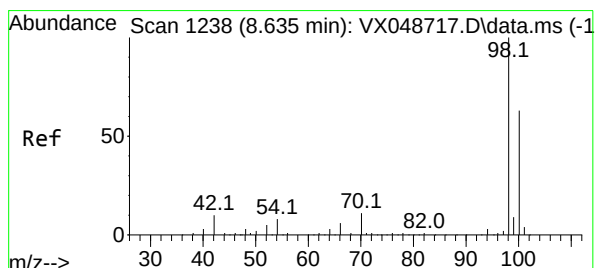
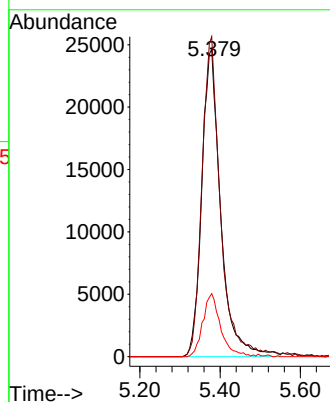
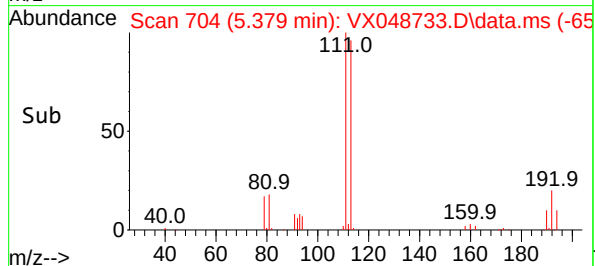
Tgt Ion:113 Resp: 80744

Ion Ratio Lower Upper

113 100

111 101.6 79.5 119.3

192 19.3 16.1 24.1



#50

Toluene-d8

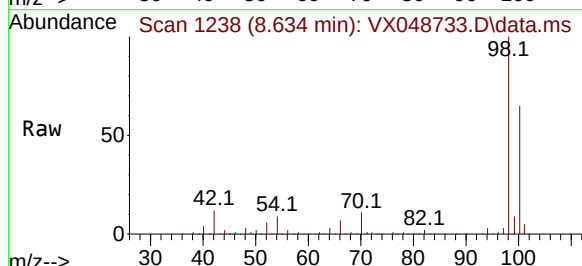
Concen: 35.291 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048733.D

Acq: 05 Dec 2025 14:13

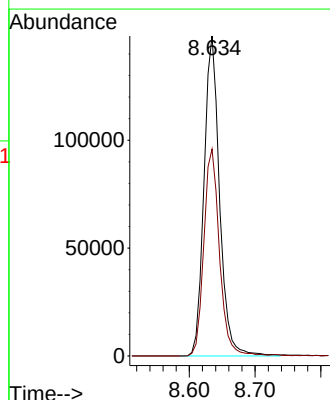
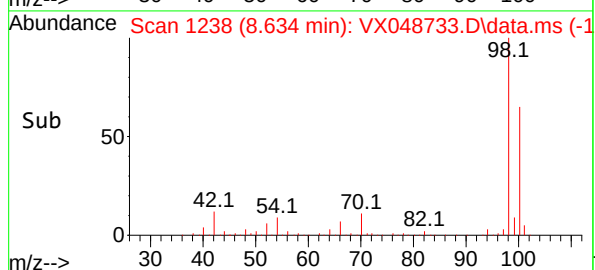


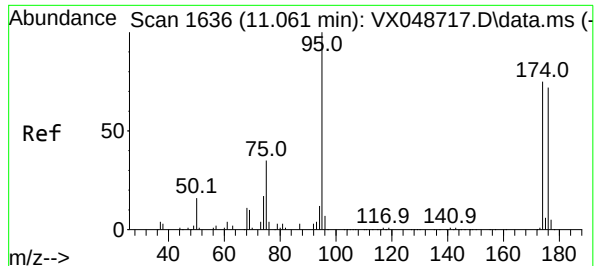
Tgt Ion: 98 Resp: 244075

Ion Ratio Lower Upper

98 100

100 64.9 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 43.546 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048733.D

Acq: 05 Dec 2025 14:13

Instrument :

MSVOA\_X

ClientSampleId :

MW-14B-46-120325

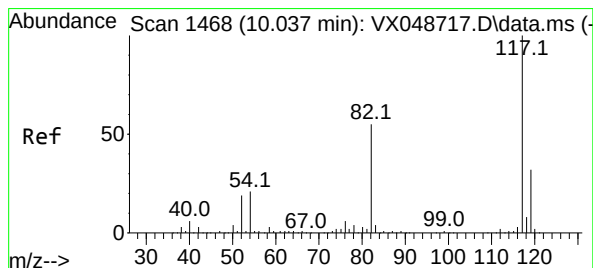
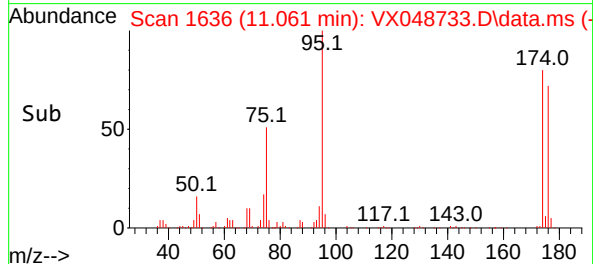
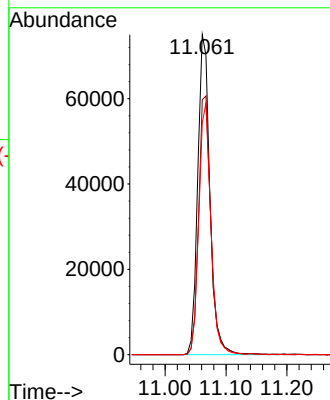
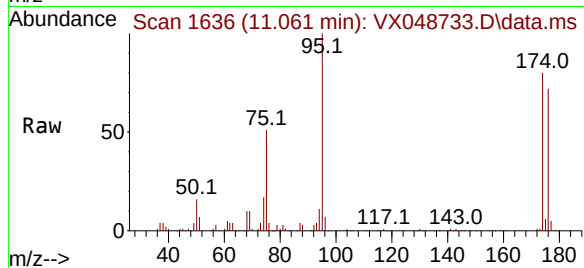
Tgt Ion: 95 Resp: 103850

Ion Ratio Lower Upper

95 100

174 81.4 0.0 157.8

176 78.1 0.0 154.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048733.D

Acq: 05 Dec 2025 14:13

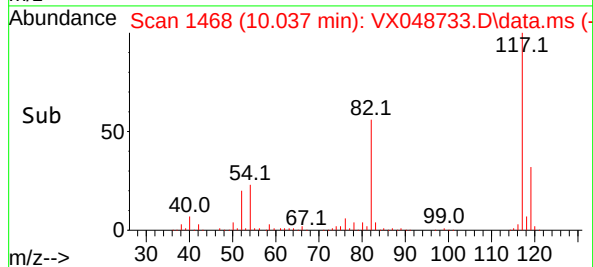
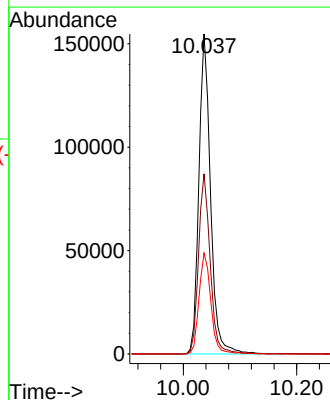
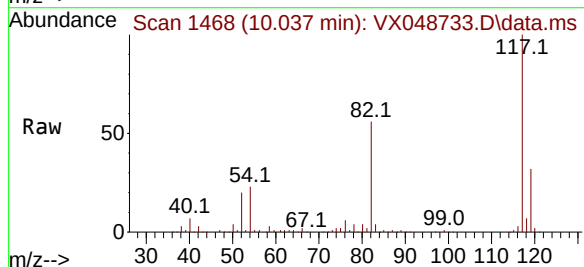
Tgt Ion: 117 Resp: 220300

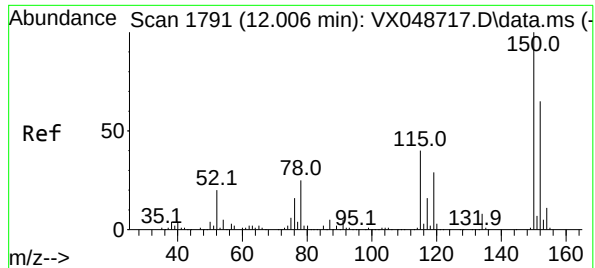
Ion Ratio Lower Upper

117 100

82 56.3 44.1 66.1

119 31.5 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048733.D

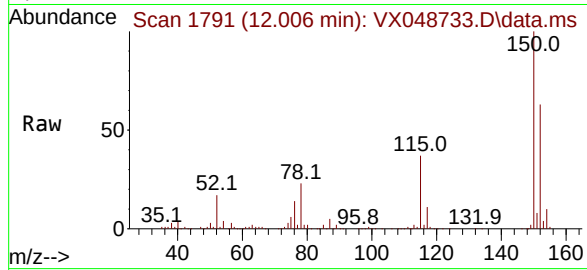
Acq: 05 Dec 2025 14:13

Instrument :

MSVOA\_X

ClientSampleId :

MW-14B-46-120325



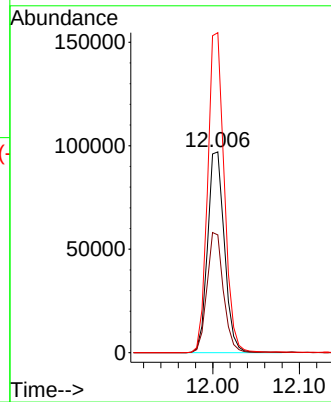
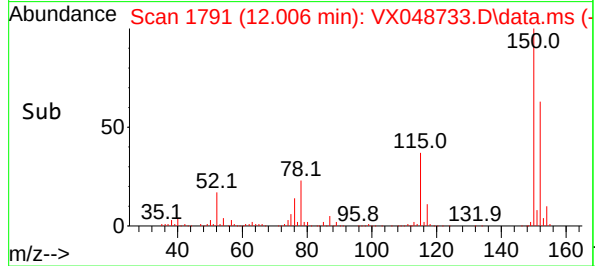
Tgt Ion:152 Resp: 131055

Ion Ratio Lower Upper

152 100

115 58.4 42.1 126.4

150 156.9 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120825\  
Data File : VX048747.D  
Acq On : 08 Dec 2025 12:33  
Operator : JC/MD  
Sample : Q3757-05RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14B-46-120325RE

Quant Time: Dec 09 04:08:38 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration

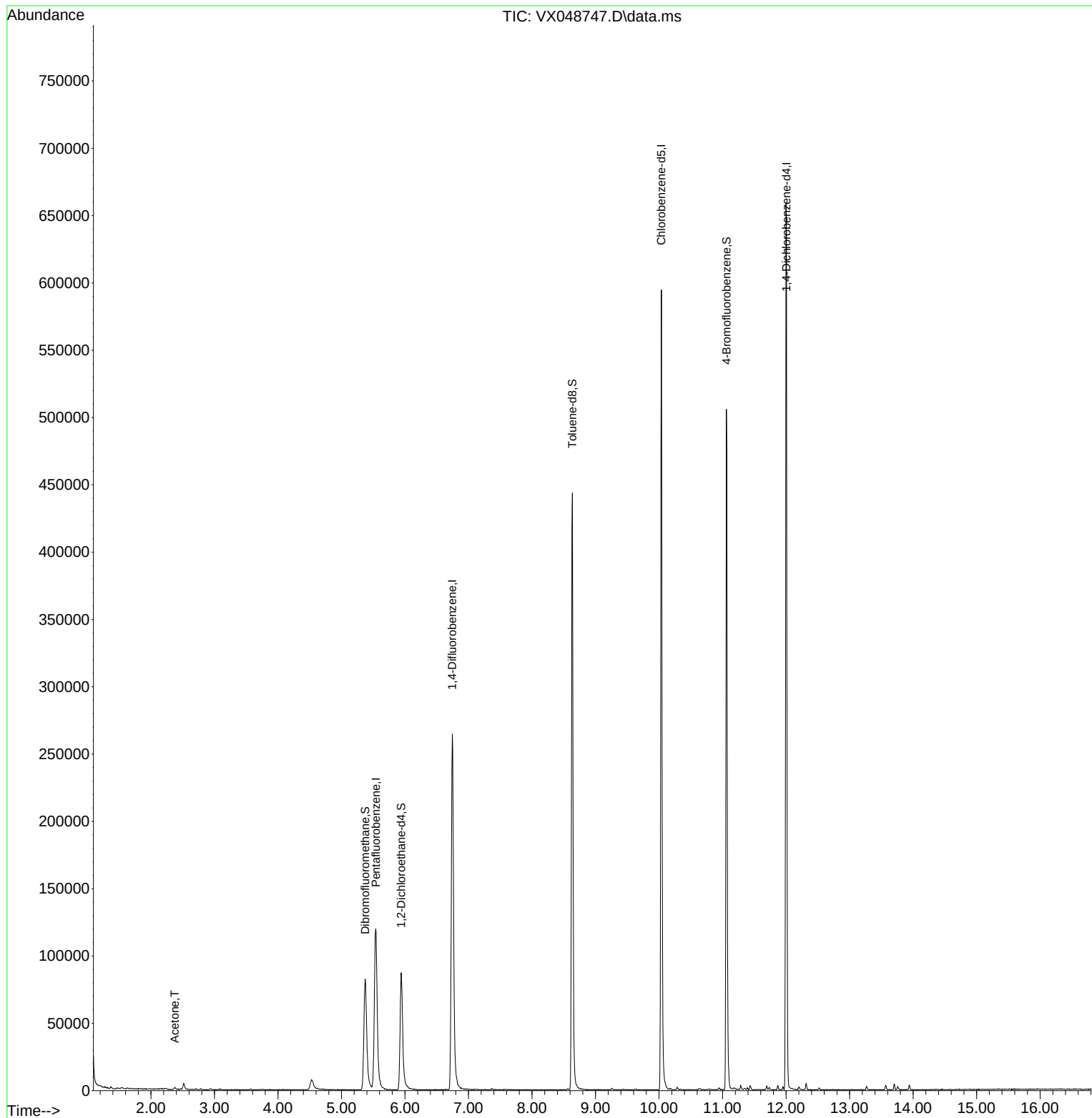
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.544  | 168   | 124903   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.745  | 114   | 299763   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.037 | 117   | 268328   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.006 | 152   | 139875   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 96803    | 57.744   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 115.480% |
| 35) Dibromofluoromethane    | 5.373  | 113   | 79281    | 38.412   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 76.820%  |
| 50) Toluene-d8              | 8.635  | 98    | 278126   | 38.442   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 76.880%# |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 141911   | 56.882   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 113.760% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.373  | 43    | 2472     | 3.852    | ug/l # | 72       |
| -----                       |        |       |          |          |        |          |

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

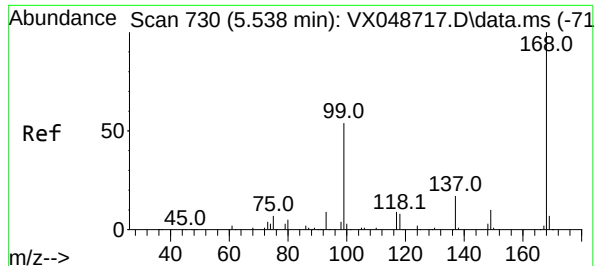
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120825\  
Data File : VX048747.D  
Acq On : 08 Dec 2025 12:33  
Operator : JC/MD  
Sample : Q3757-05RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14B-46-120325RE

Quant Time: Dec 09 04:08:38 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
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: VX048747.D

Acq: 08 Dec 2025 12:33

Instrument :

MSVOA\_X

ClientSampleId :

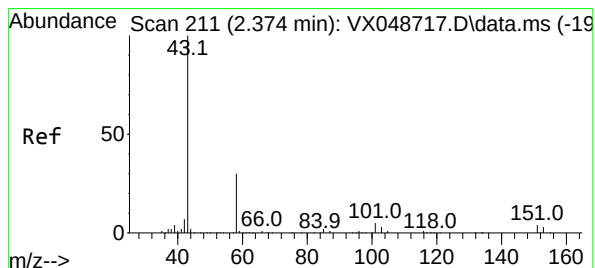
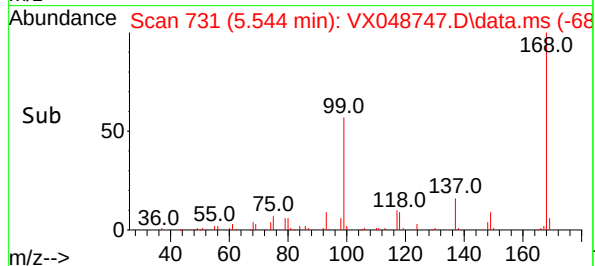
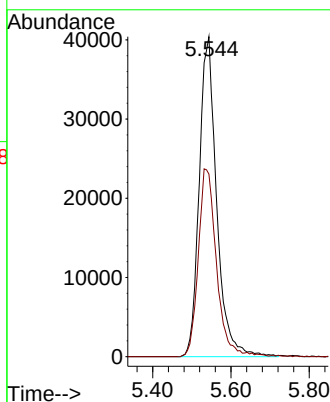
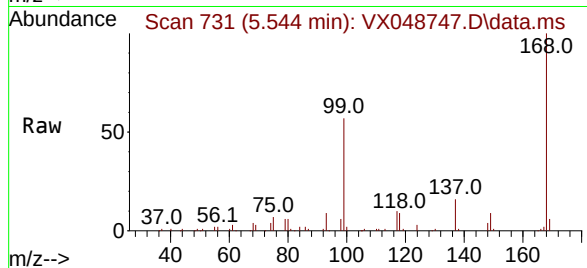
MW-14B-46-120325RE

Tgt Ion:168 Resp: 124903

Ion Ratio Lower Upper

168 100

99 57.1 44.2 66.4



#16

Acetone

Concen: 3.852 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048747.D

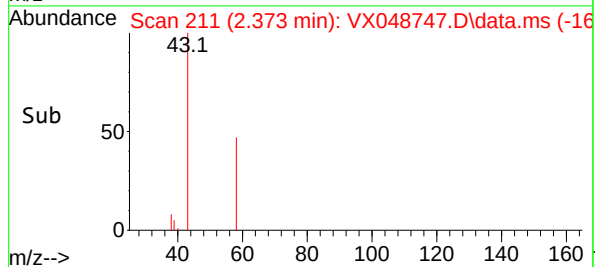
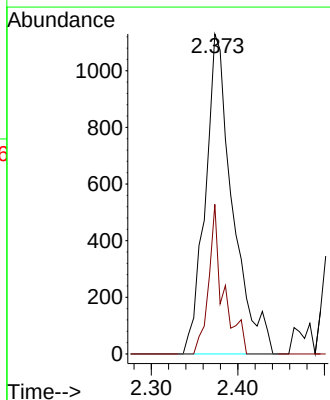
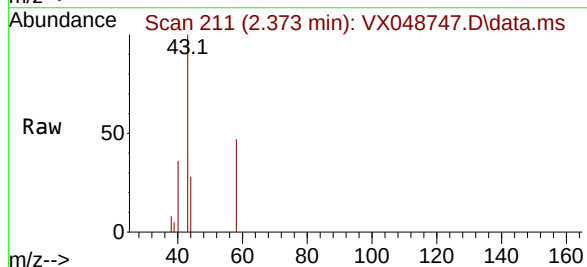
Acq: 08 Dec 2025 12:33

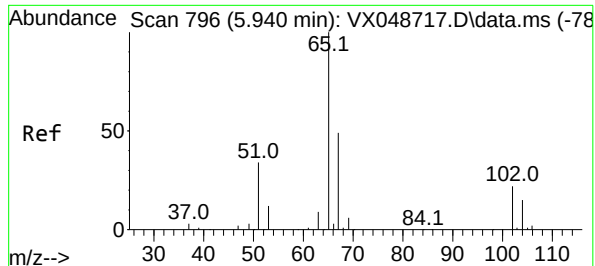
Tgt Ion: 43 Resp: 2472

Ion Ratio Lower Upper

43 100

58 46.7 25.0 37.4#





#33

1,2-Dichloroethane-d4

Concen: 57.744 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

Instrument :

MSVOA\_X

ClientSampleId :

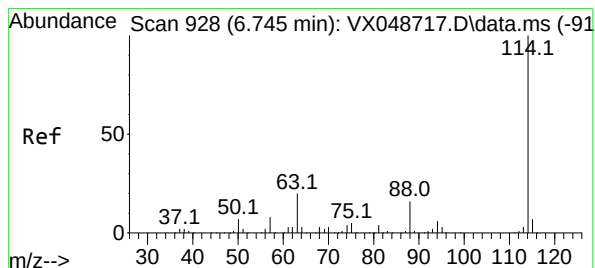
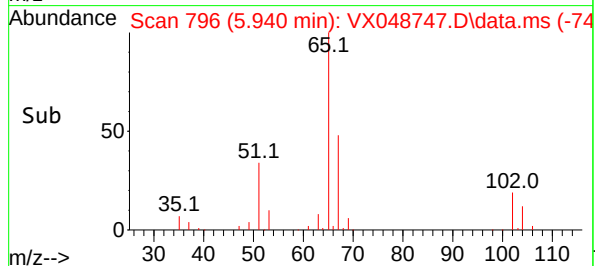
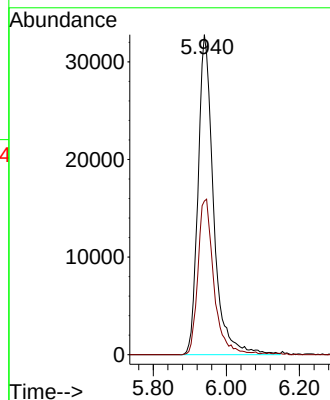
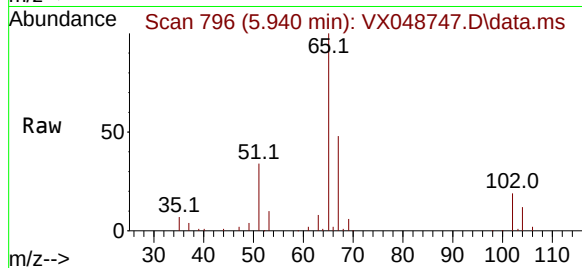
MW-14B-46-120325RE

Tgt Ion: 65 Resp: 96803

Ion Ratio Lower Upper

65 100

67 49.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

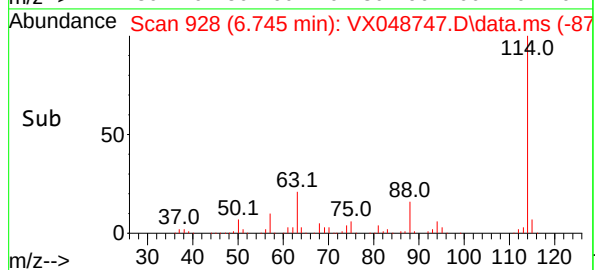
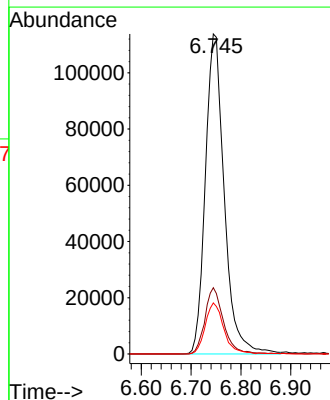
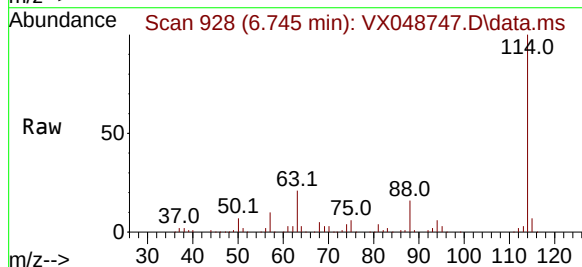
Tgt Ion: 114 Resp: 299763

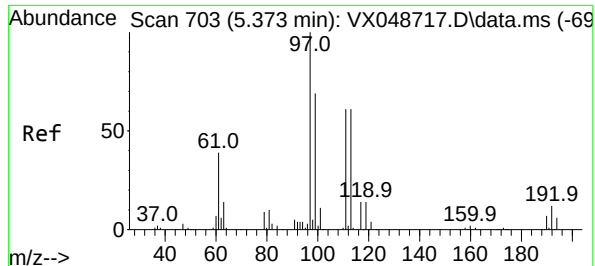
Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 38.412 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048747.D

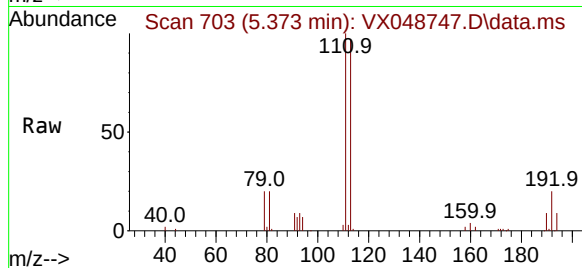
Acq: 08 Dec 2025 12:33

Instrument :

MSVOA\_X

ClientSampleId :

MW-14B-46-120325RE



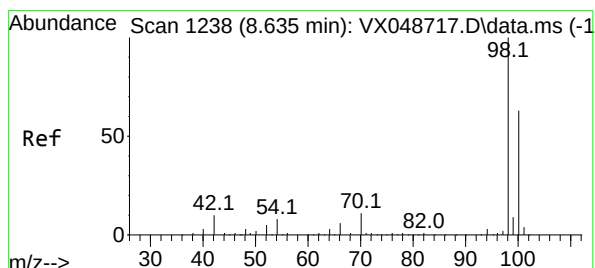
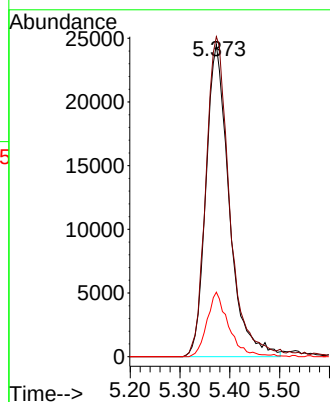
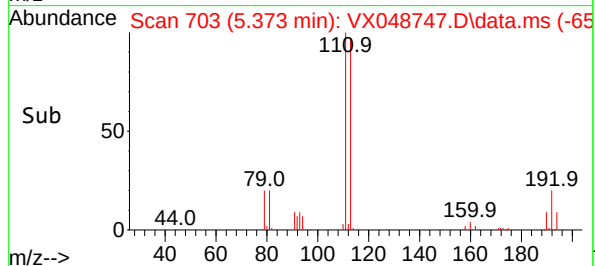
Tgt Ion:113 Resp: 79281

Ion Ratio Lower Upper

113 100

111 104.9 79.5 119.3

192 19.5 16.1 24.1



#50

Toluene-d8

Concen: 38.442 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048747.D

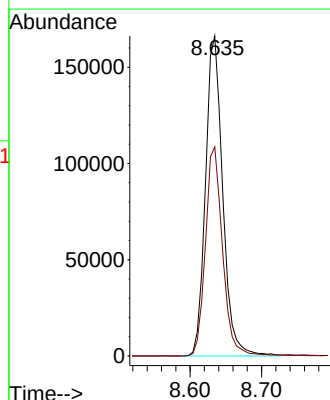
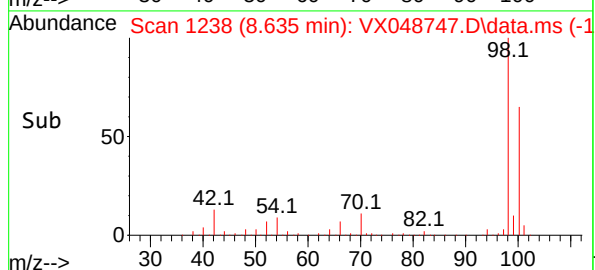
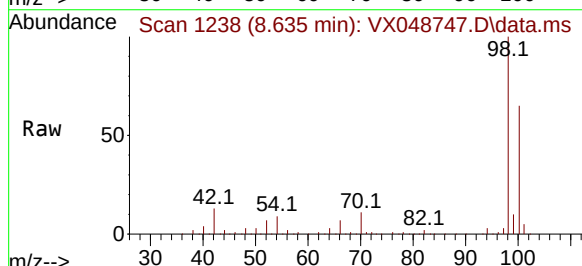
Acq: 08 Dec 2025 12:33

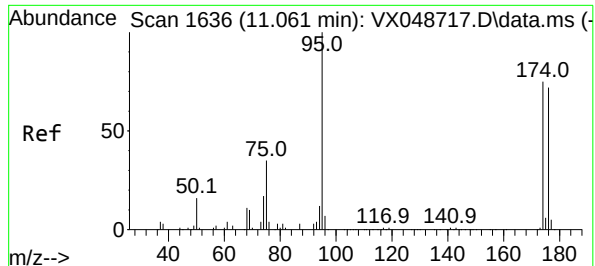
Tgt Ion: 98 Resp: 278126

Ion Ratio Lower Upper

98 100

100 65.2 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 56.882 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

Instrument :

MSVOA\_X

ClientSampleId :

MW-14B-46-120325RE

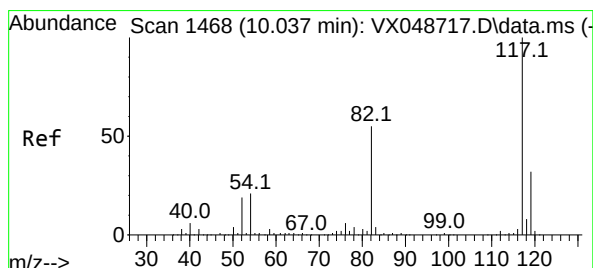
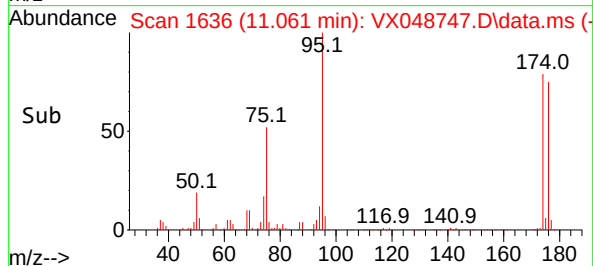
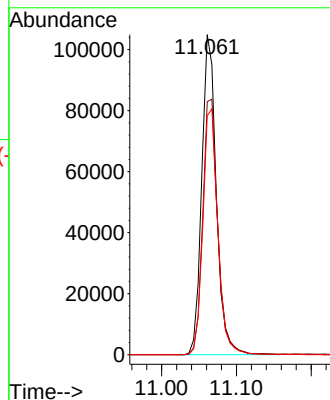
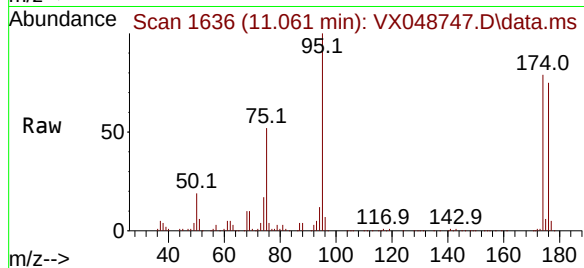
Tgt Ion: 95 Resp: 141911

Ion Ratio Lower Upper

95 100

174 82.4 0.0 157.8

176 79.0 0.0 154.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

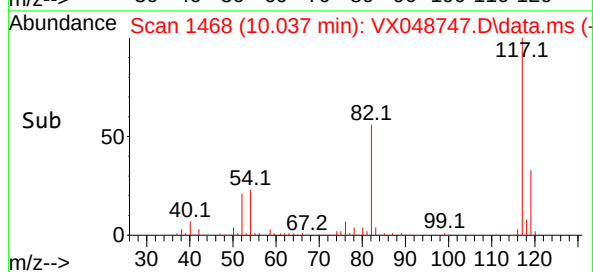
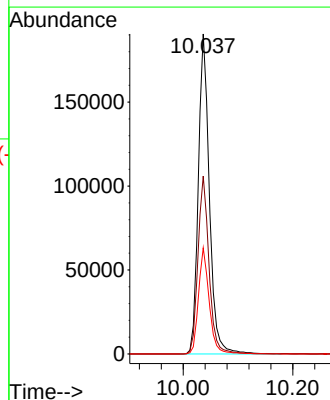
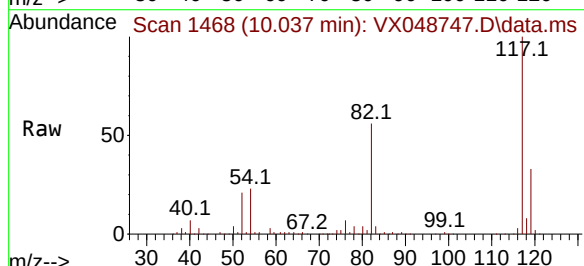
Tgt Ion: 117 Resp: 268328

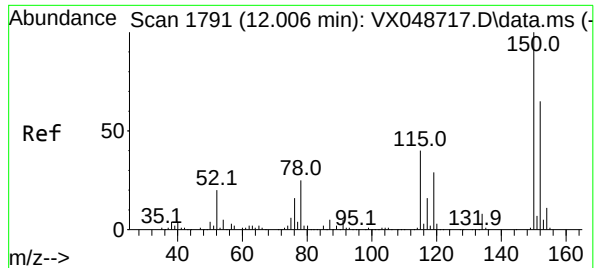
Ion Ratio Lower Upper

117 100

82 55.6 44.1 66.1

119 33.2 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048747.D

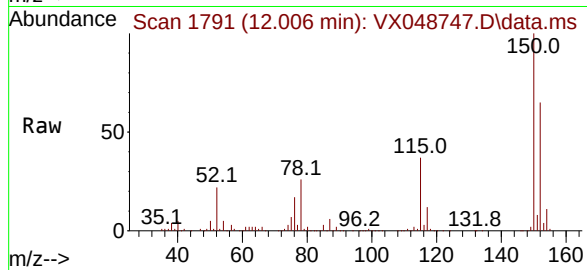
Acq: 08 Dec 2025 12:33

Instrument :

MSVOA\_X

ClientSampleId :

MW-14B-46-120325RE



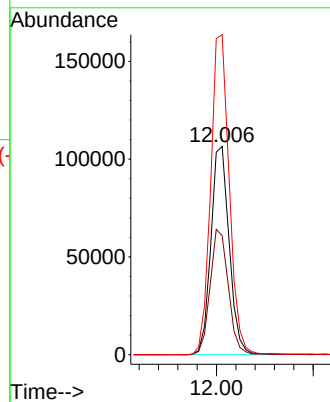
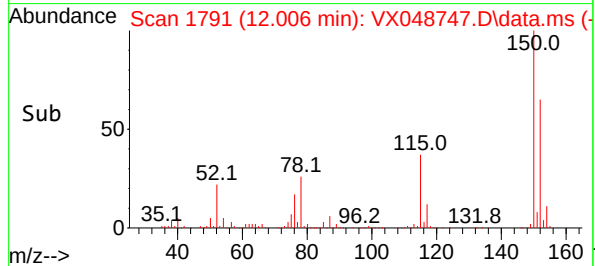
Tgt Ion:152 Resp: 139875

Ion Ratio Lower Upper

152 100

115 60.1 42.1 126.4

150 156.1 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
 Data File : VX048734.D  
 Acq On : 05 Dec 2025 14:33  
 Operator : JC/MD  
 Sample : Q3757-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RMW-05B-90.5-120325

Quant Time: Dec 05 22:05:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

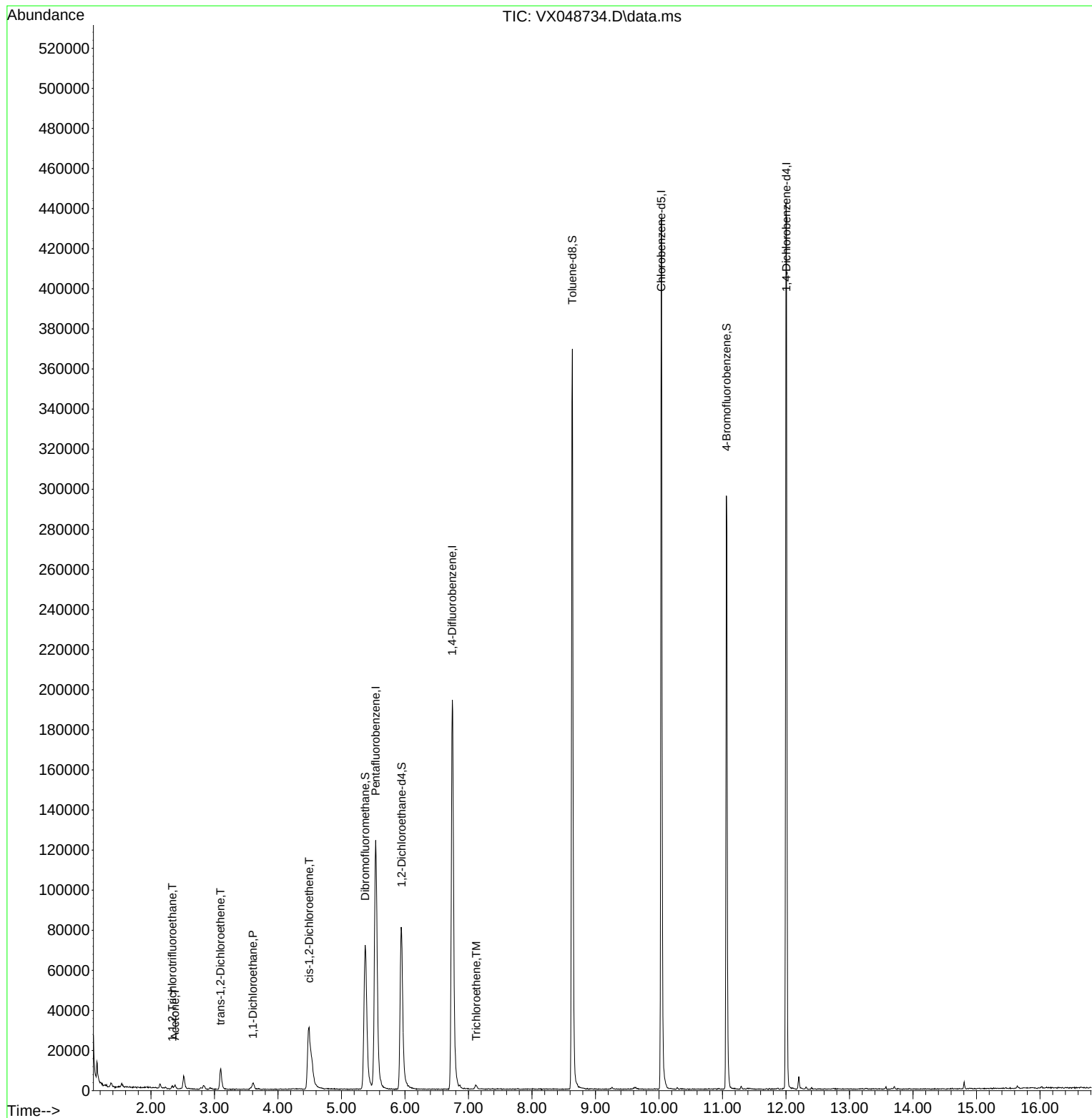
| Compound                     | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                        |           |       |          |          |            |          |
| Internal Standards           |           |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.538     | 168   | 132392   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.745     | 114   | 222932   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.037    | 117   | 207009   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006    | 152   | 102583   | 50.000   | ug/l       | 0.00     |
|                              |           |       |          |          |            |          |
| System Monitoring Compounds  |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.946     | 65    | 91135    | 51.288   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 78 - 117 | Recovery | = 102.580% |          |
| 35) Dibromofluoromethane     | 5.373     | 113   | 72316    | 47.112   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 75 - 124 | Recovery | = 94.220%  |          |
| 50) Toluene-d8               | 8.635     | 98    | 236336   | 43.924   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 92 - 112 | Recovery | = 87.840%# |          |
| 62) 4-Bromofluorobenzene     | 11.061    | 95    | 84945    | 45.783   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 83 - 123 | Recovery | = 91.560%  |          |
|                              |           |       |          |          |            |          |
| Target Compounds             |           |       |          |          |            | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo... | 2.337     | 101   | 558      | 0.370    | ug/l #     | 83       |
| 16) Acetone                  | 2.380     | 43    | 3009     | 4.423    | ug/l #     | 87       |
| 21) trans-1,2-Dichloroethene | 3.093     | 96    | 5495     | 3.502    | ug/l #     | 79       |
| 24) 1,1-Dichloroethane       | 3.605     | 63    | 3969     | 1.475    | ug/l       | 97       |
| 27) cis-1,2-Dichloroethene   | 4.489     | 96    | 23281    | 13.149   | ug/l       | 90       |
| 44) Trichloroethene          | 7.123     | 130   | 1059     | 0.651    | ug/l       | 91       |
| -----                        |           |       |          |          |            |          |

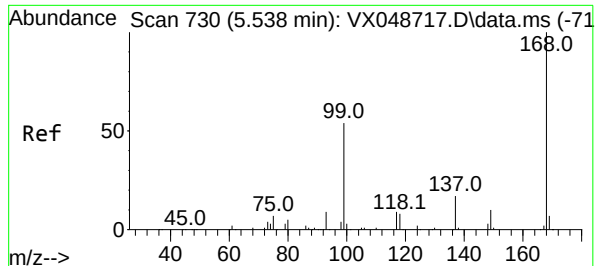
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
Data File : VX048734.D  
Acq On : 05 Dec 2025 14:33  
Operator : JC/MD  
Sample : Q3757-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RMW-05B-90.5-120325

Quant Time: Dec 05 22:05:03 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration

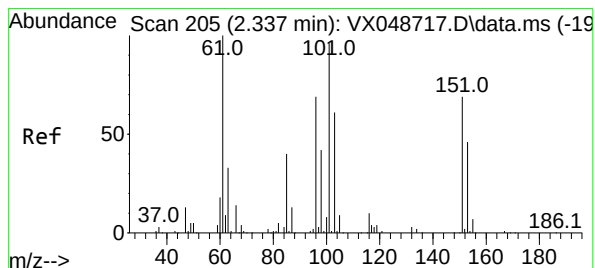
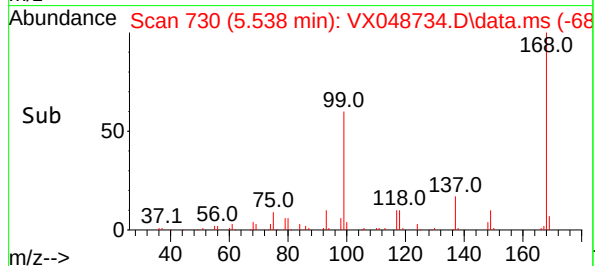
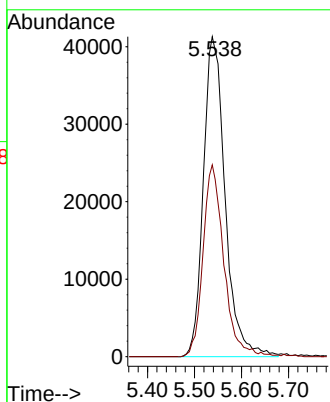
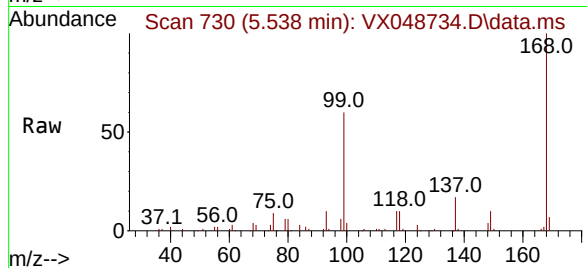




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX048734.D  
Acq: 05 Dec 2025 14:33

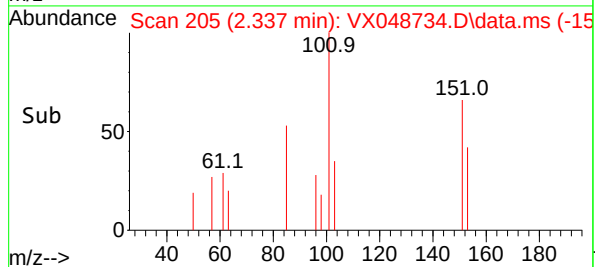
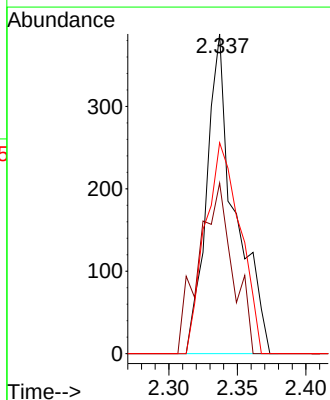
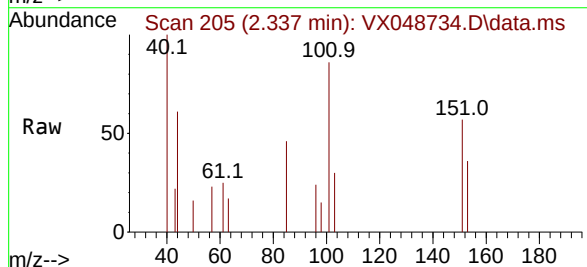
Instrument :  
MSVOA\_X  
ClientSampleId :  
RMW-05B-90.5-120325

Tgt Ion:168 Resp: 132392  
Ion Ratio Lower Upper  
168 100  
99 59.9 44.2 66.4

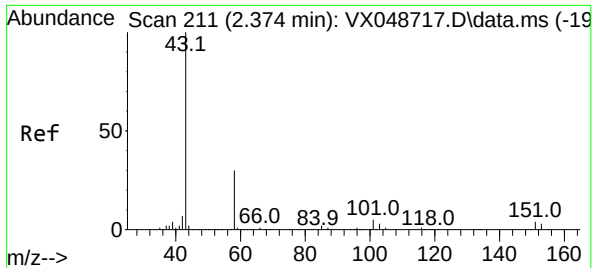


#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.370 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. 0.000 min  
Lab File: VX048734.D  
Acq: 05 Dec 2025 14:33

Tgt Ion:101 Resp: 558  
Ion Ratio Lower Upper  
101 100  
85 64.0 34.2 51.2#  
151 81.5 60.2 90.4



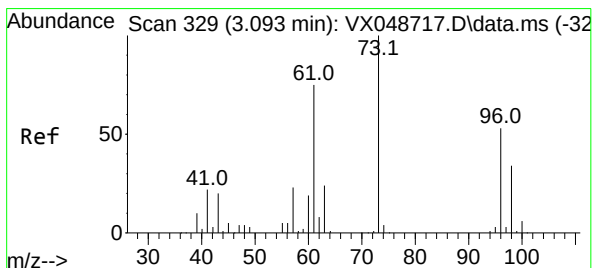
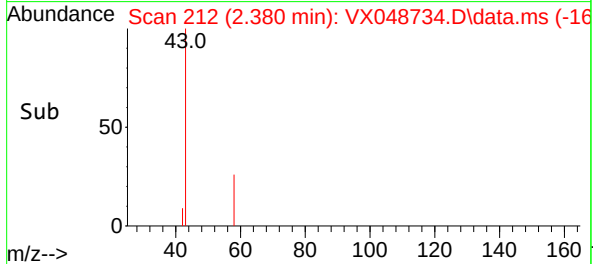
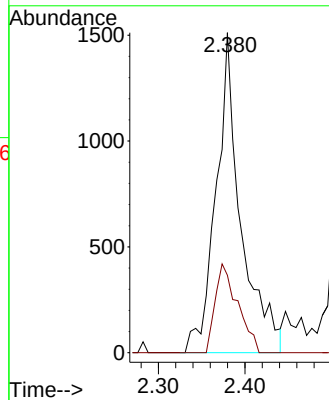
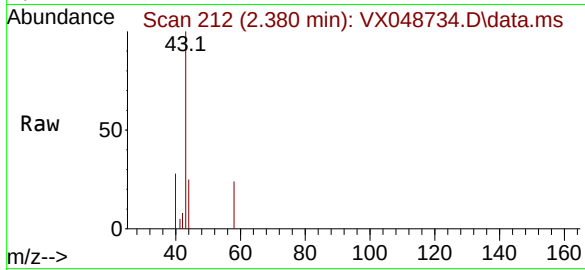




#16  
Acetone  
Concen: 4.423 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX048734.D  
Acq: 05 Dec 2025 14:33

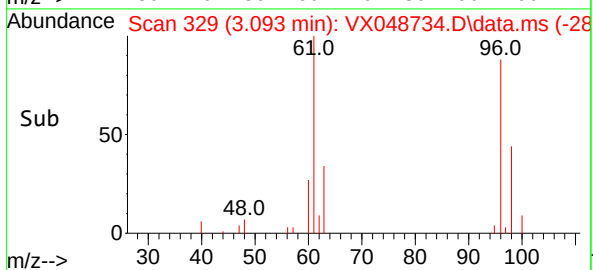
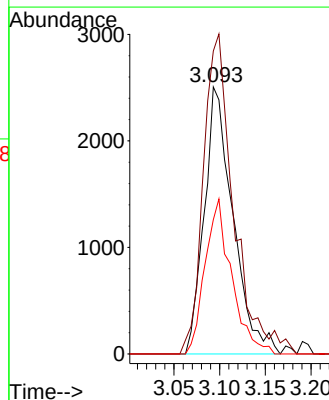
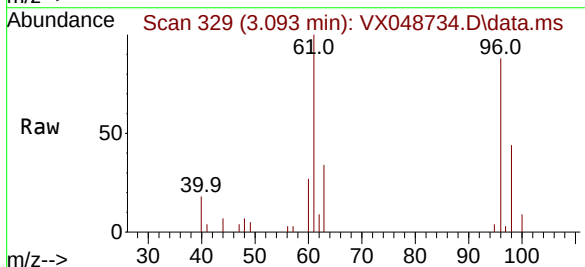
Instrument :  
MSVOA\_X  
ClientSampleId :  
RMW-05B-90.5-120325

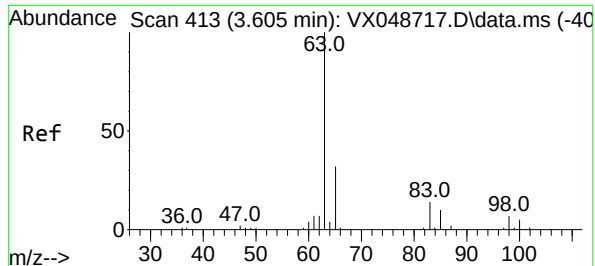
Tgt Ion: 43 Resp: 3009  
Ion Ratio Lower Upper  
43 100  
58 24.2 25.0 37.4#



#21  
trans-1,2-Dichloroethene  
Concen: 3.502 ug/l  
RT: 3.093 min Scan# 329  
Delta R.T. 0.000 min  
Lab File: VX048734.D  
Acq: 05 Dec 2025 14:33

Tgt Ion: 96 Resp: 5495  
Ion Ratio Lower Upper  
96 100  
61 113.4 112.8 169.2  
98 50.3 51.0 76.4#





#24

1,1-Dichloroethane

Concen: 1.475 ug/l

RT: 3.605 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

Instrument :

MSVOA\_X

ClientSampleId :

RMW-05B-90.5-120325

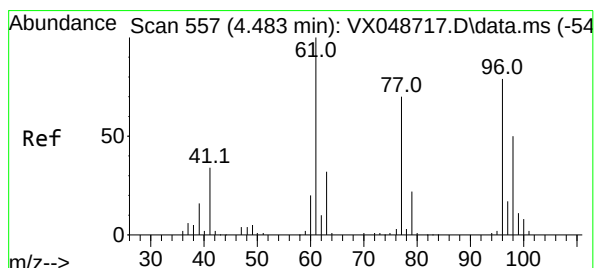
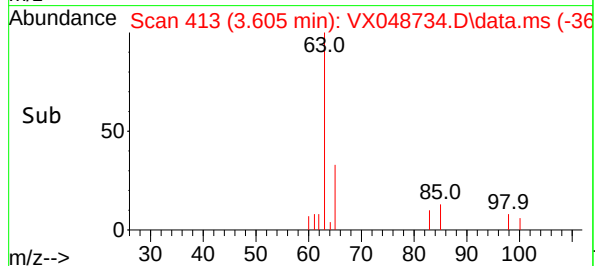
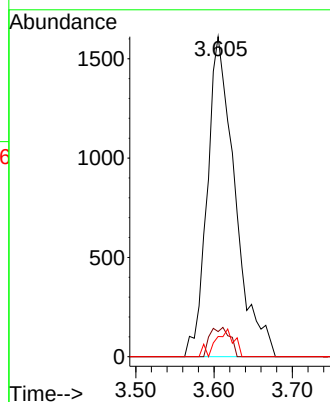
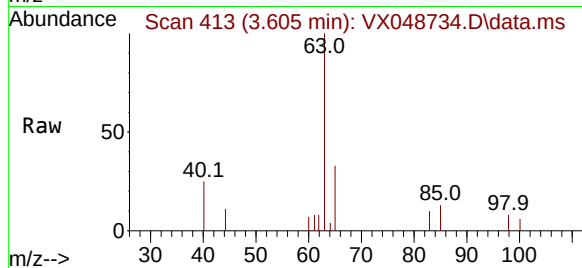
Tgt Ion: 63 Resp: 3969

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.6

100 6.3 2.5 7.4



#27

cis-1,2-Dichloroethene

Concen: 13.149 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

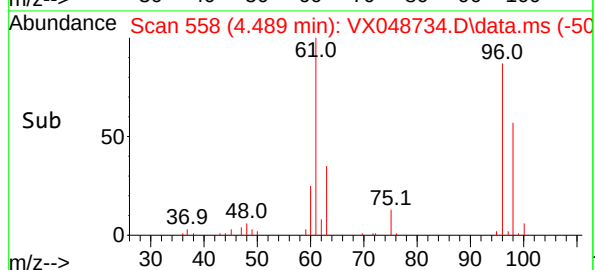
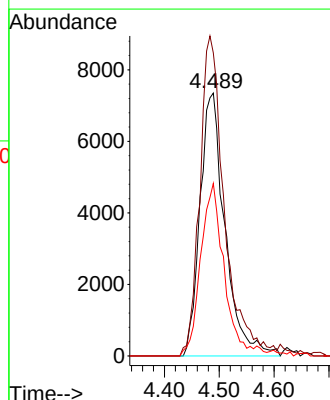
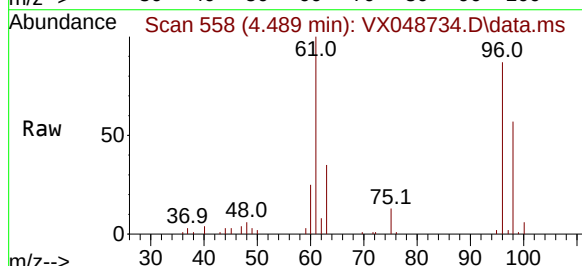
Tgt Ion: 96 Resp: 23281

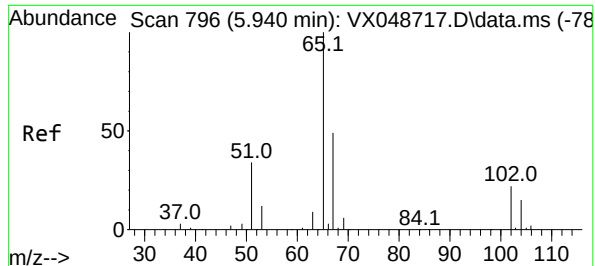
Ion Ratio Lower Upper

96 100

61 119.9 0.0 271.0

98 61.8 0.0 130.2





#33

1,2-Dichloroethane-d4

Concen: 51.288 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

Instrument :

MSVOA\_X

ClientSampleId :

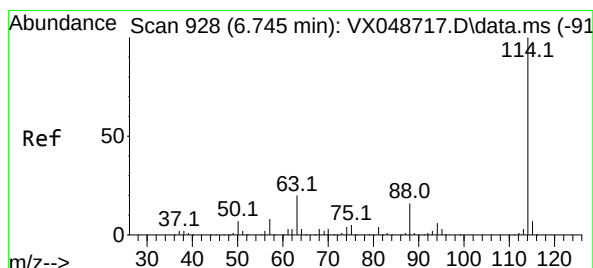
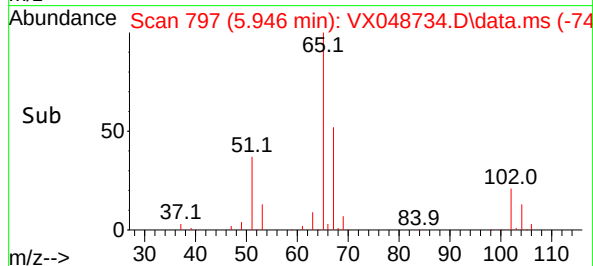
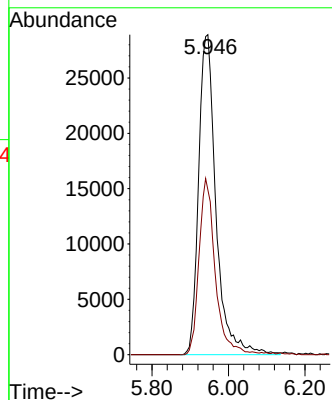
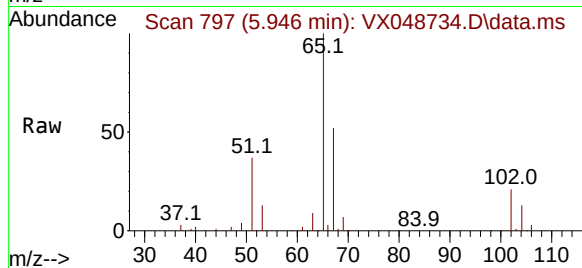
RMW-05B-90.5-120325

Tgt Ion: 65 Resp: 91135

Ion Ratio Lower Upper

65 100

67 51.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

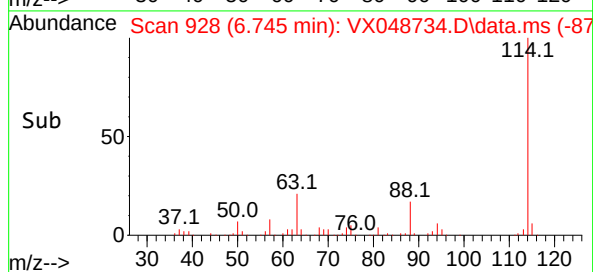
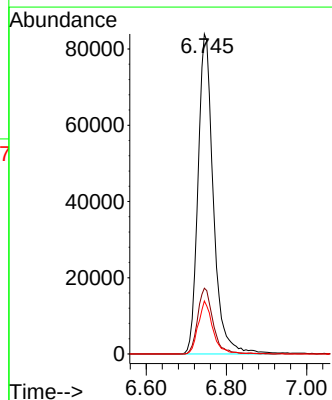
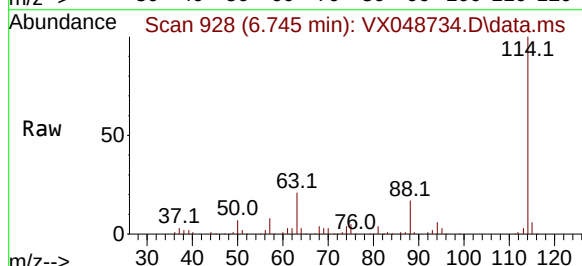
Tgt Ion: 114 Resp: 222932

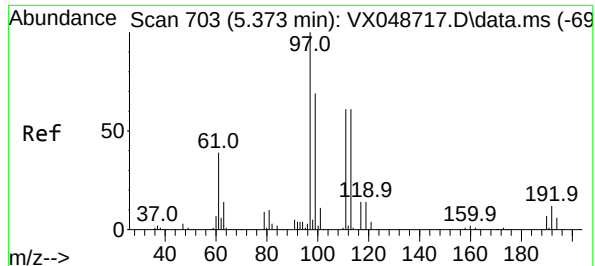
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

88 16.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.112 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048734.D

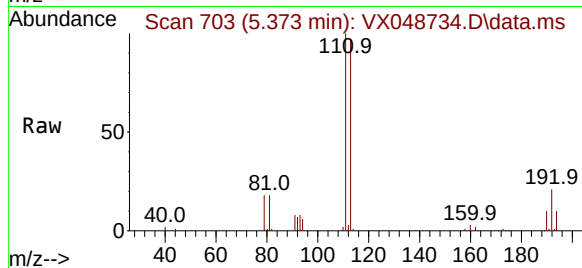
Acq: 05 Dec 2025 14:33

Instrument :

MSVOA\_X

ClientSampleId :

RMW-05B-90.5-120325



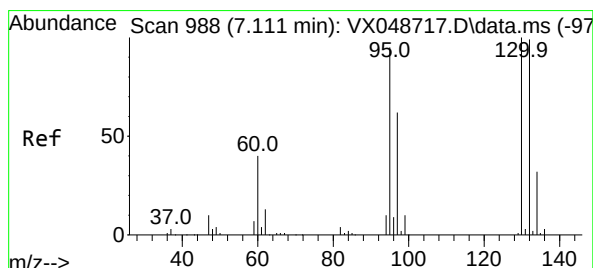
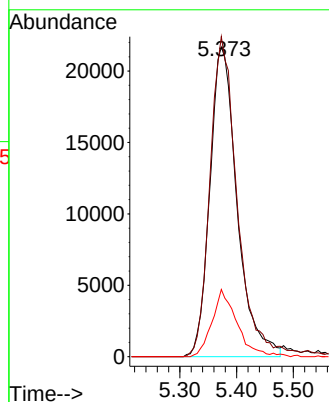
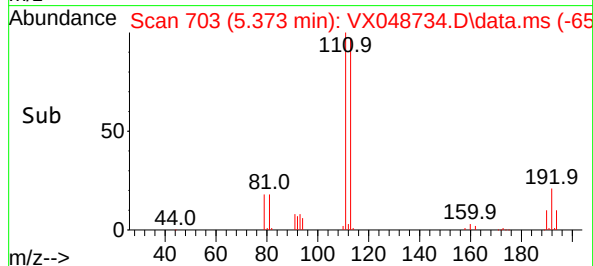
Tgt Ion:113 Resp: 72316

Ion Ratio Lower Upper

113 100

111 103.5 79.5 119.3

192 19.6 16.1 24.1



#44

Trichloroethene

Concen: 0.651 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.012 min

Lab File: VX048734.D

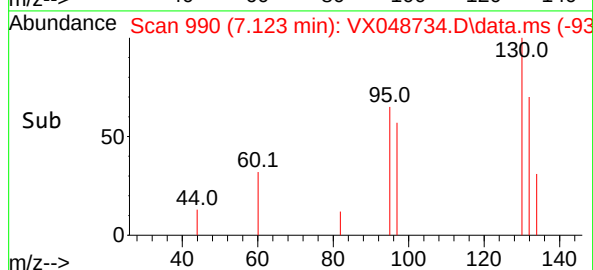
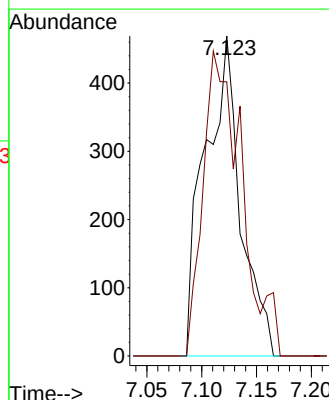
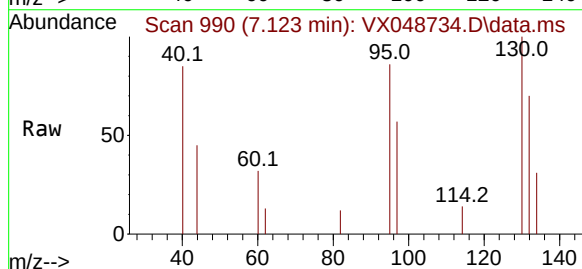
Acq: 05 Dec 2025 14:33

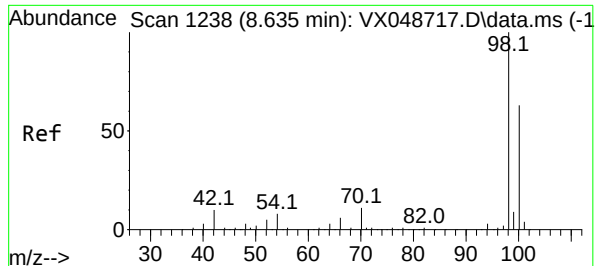
Tgt Ion:130 Resp: 1059

Ion Ratio Lower Upper

130 100

95 85.7 0.0 189.6





#50

Toluene-d8

Concen: 43.924 ug/l

RT: 8.635 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

Instrument :

MSVOA\_X

ClientSampleId :

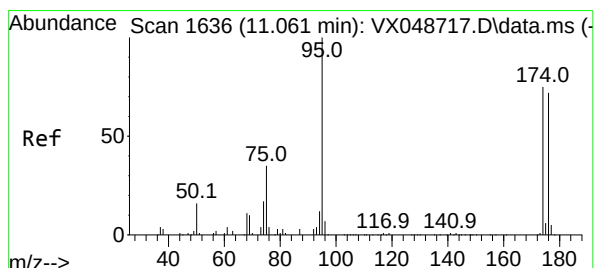
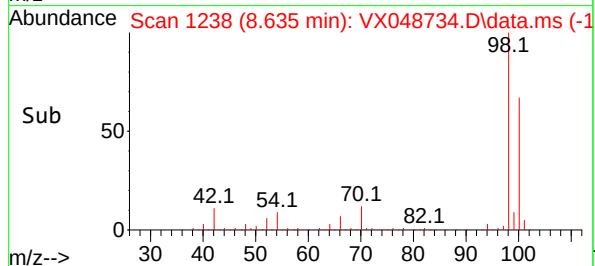
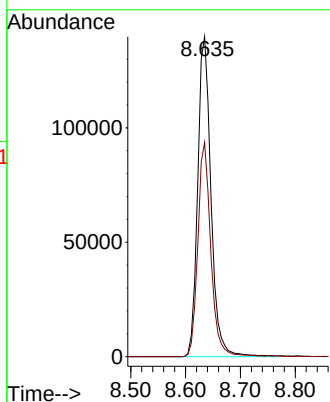
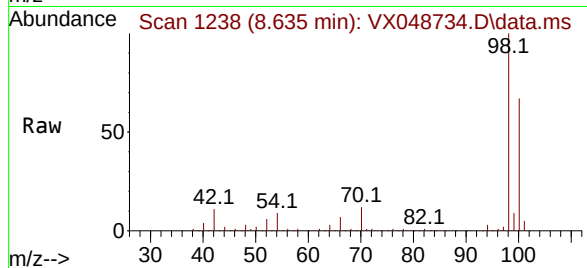
RMW-05B-90.5-120325

Tgt Ion: 98 Resp: 236336

Ion Ratio Lower Upper

98 100

100 65.4 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 45.783 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

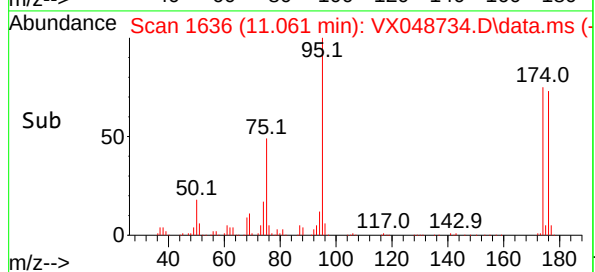
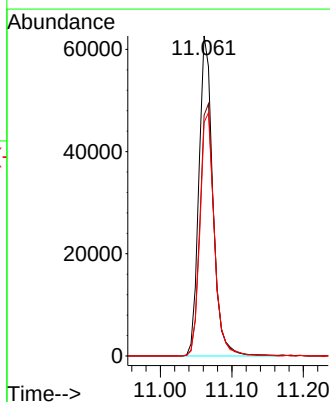
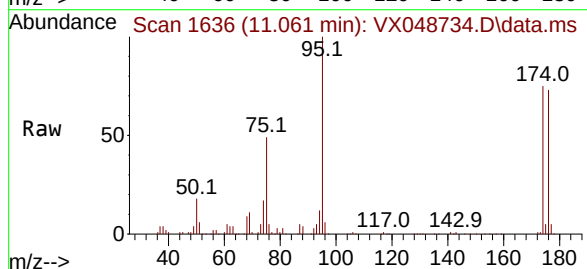
Tgt Ion: 95 Resp: 84945

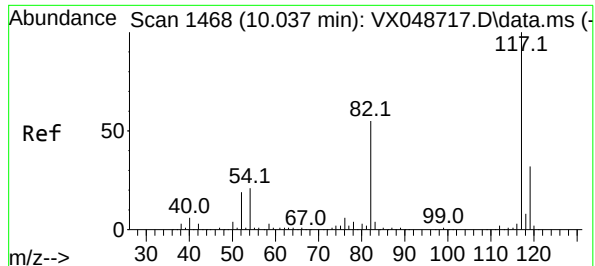
Ion Ratio Lower Upper

95 100

174 80.1 0.0 157.8

176 78.0 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

Instrument :

MSVOA\_X

ClientSampleId :

RMW-05B-90.5-120325

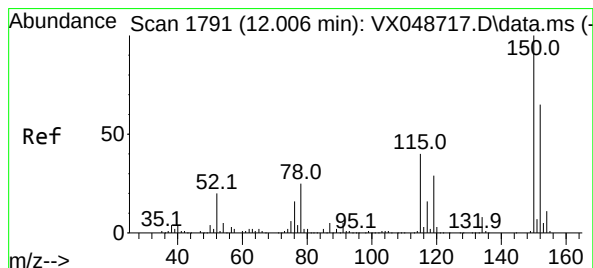
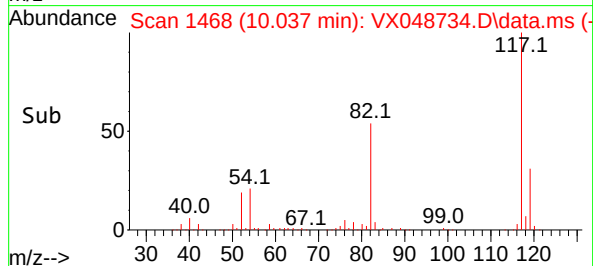
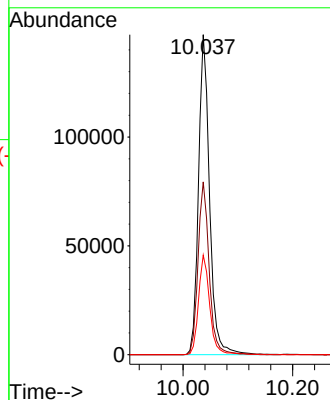
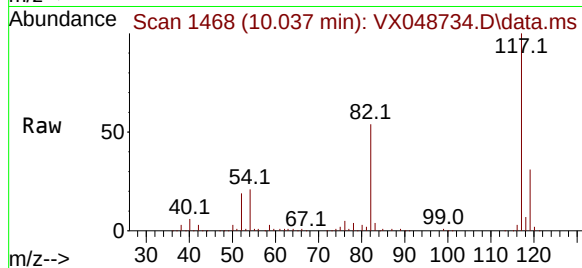
Tgt Ion:117 Resp: 207009

Ion Ratio Lower Upper

117 100

82 54.0 44.1 66.1

119 31.1 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

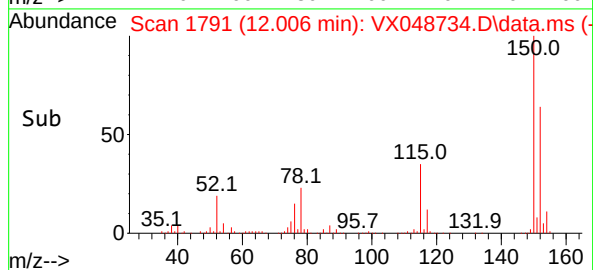
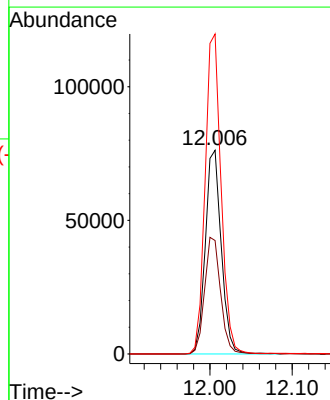
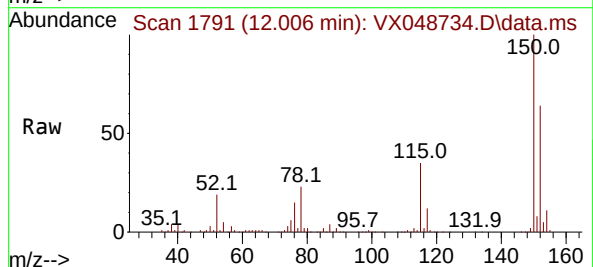
Tgt Ion:152 Resp: 102583

Ion Ratio Lower Upper

152 100

115 57.5 42.1 126.4

150 156.8 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
 Data File : VX048735.D  
 Acq On : 05 Dec 2025 14:54  
 Operator : JC/MD  
 Sample : Q3757-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OW-05B-72-120325

Quant Time: Dec 05 22:05:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

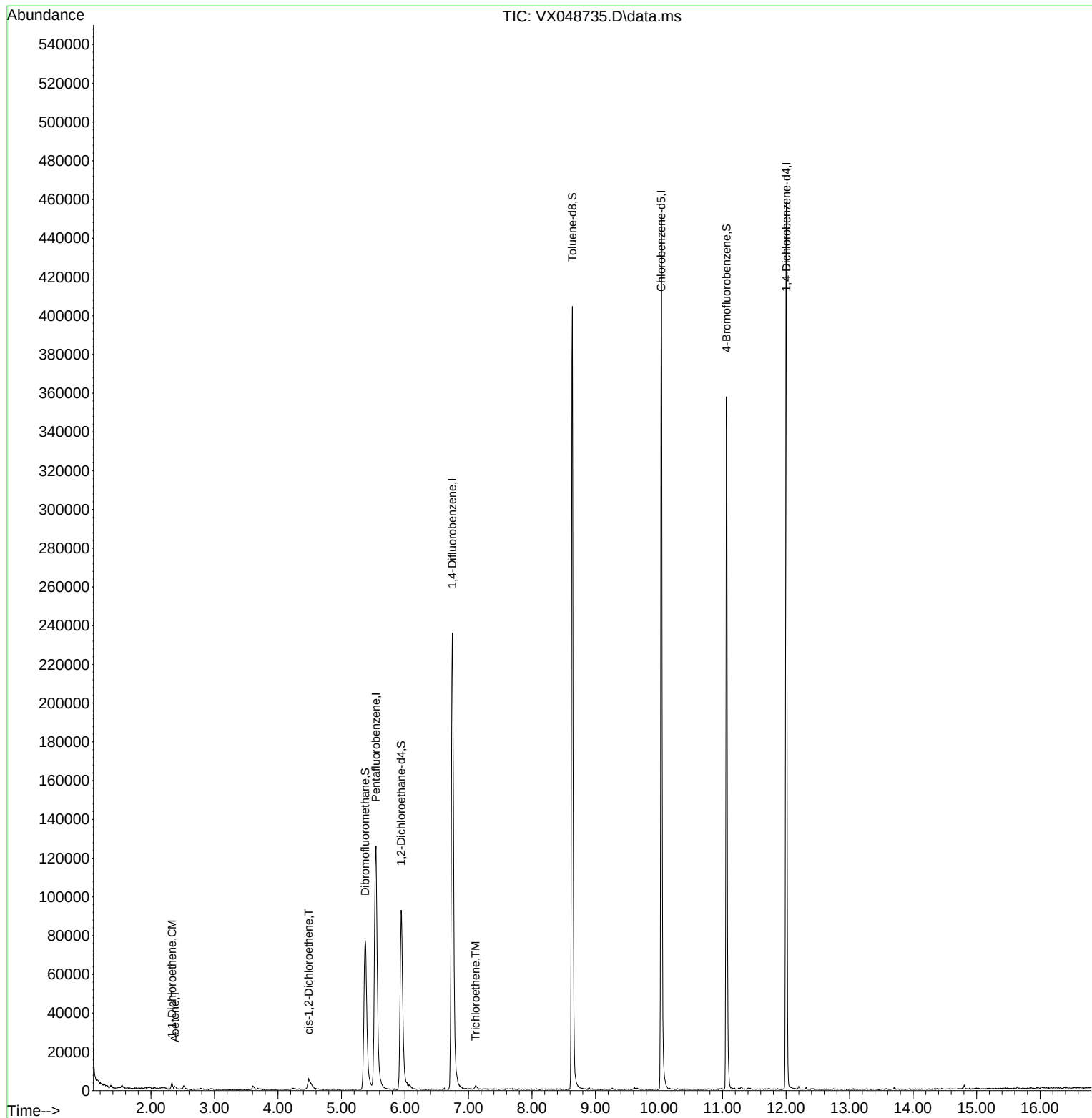
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|--------|-----------|
| -----                       |        |       |          |          |        |           |
| Internal Standards          |        |       |          |          |        |           |
| 1) Pentafluorobenzene       | 5.544  | 168   | 129477   | 50.000   | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.745  | 114   | 275147   | 50.000   | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 10.037 | 117   | 208806   | 50.000   | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.006 | 152   | 103213   | 50.000   | ug/l   | 0.00      |
|                             |        |       |          |          |        |           |
| System Monitoring Compounds |        |       |          |          |        |           |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 102254   | 58.840   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 117.680%# |
| 35) Dibromofluoromethane    | 5.373  | 113   | 75188    | 39.688   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 79.380%   |
| 50) Toluene-d8              | 8.635  | 98    | 253556   | 38.182   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 76.360%#  |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 103159   | 45.048   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 90.100%   |
|                             |        |       |          |          |        |           |
| Target Compounds            |        |       |          |          |        |           |
| 12) 1,1-Dichloroethene      | 2.331  | 96    | 1284     | 0.854    | ug/l # | 81        |
| 16) Acetone                 | 2.380  | 43    | 2234     | 3.358    | ug/l   | 91        |
| 27) cis-1,2-Dichloroethene  | 4.483  | 96    | 3749     | 2.165    | ug/l   | 92        |
| 44) Trichloroethene         | 7.110  | 130   | 883      | 0.440    | ug/l   | 86        |
| -----                       |        |       |          |          |        |           |

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

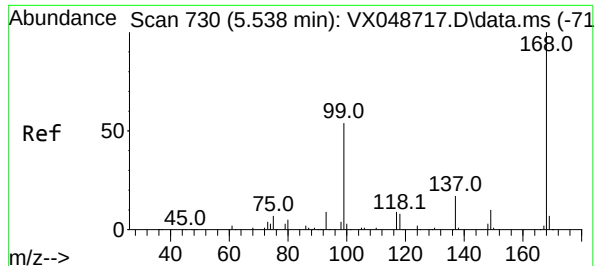
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
Data File : VX048735.D  
Acq On : 05 Dec 2025 14:54  
Operator : JC/MD  
Sample : Q3757-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-05B-72-120325

Quant Time: Dec 05 22:05:28 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration



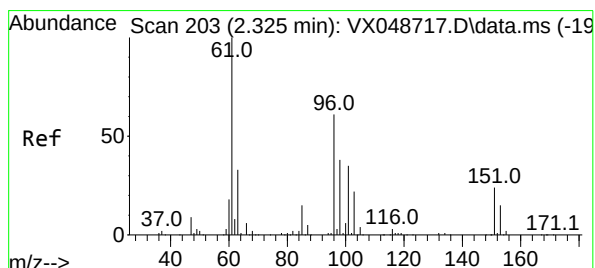
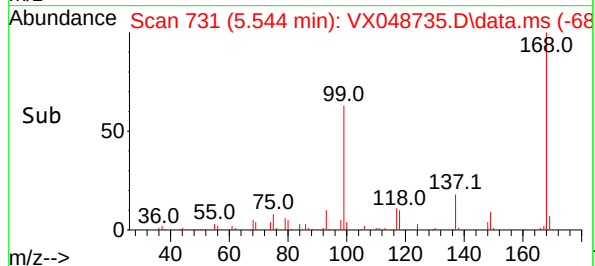
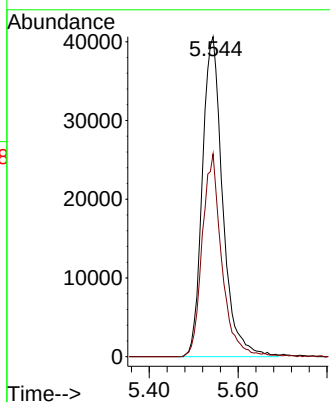
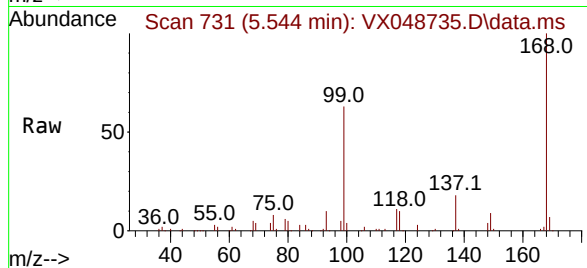




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX048735.D  
Acq: 05 Dec 2025 14:54

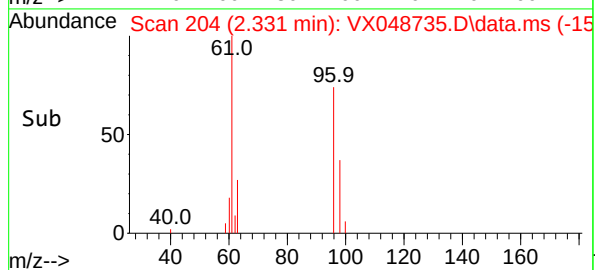
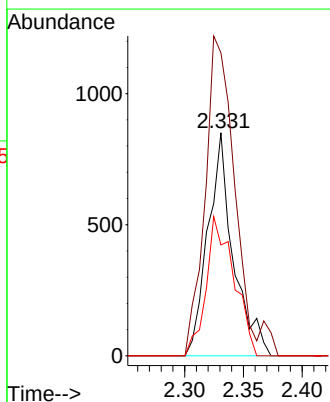
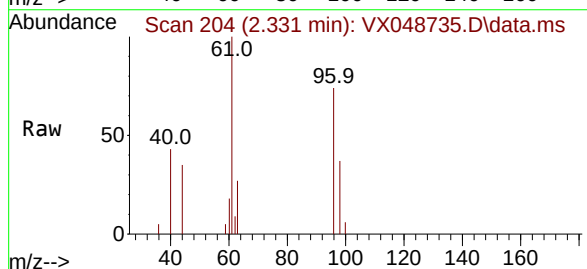
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-05B-72-120325

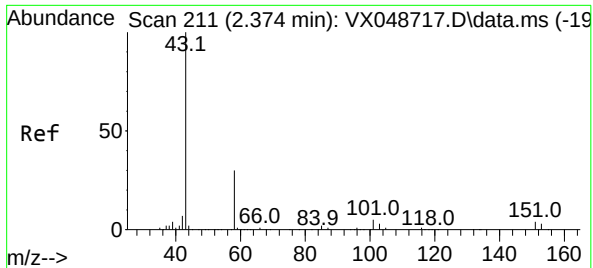
Tgt Ion:168 Resp: 129477  
Ion Ratio Lower Upper  
168 100  
99 63.4 44.2 66.4



#12  
1,1-Dichloroethene  
Concen: 0.854 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VX048735.D  
Acq: 05 Dec 2025 14:54

Tgt Ion: 96 Resp: 1284  
Ion Ratio Lower Upper  
96 100  
61 135.8 130.7 196.1  
98 49.7 49.8 74.8#

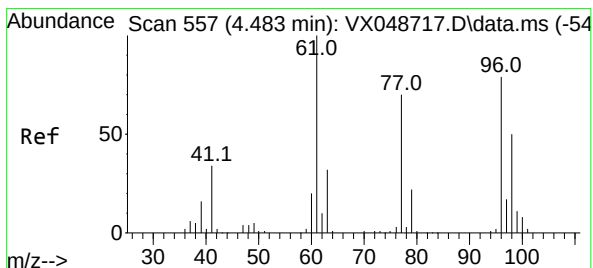
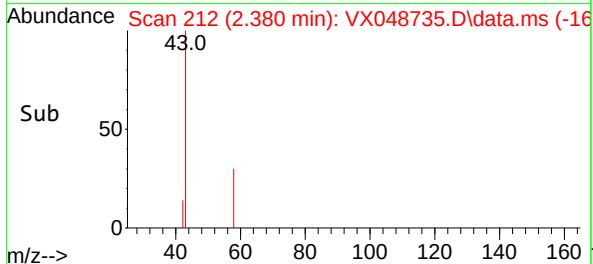
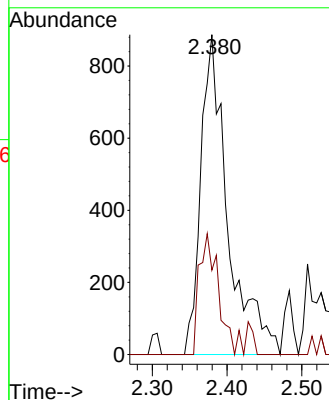
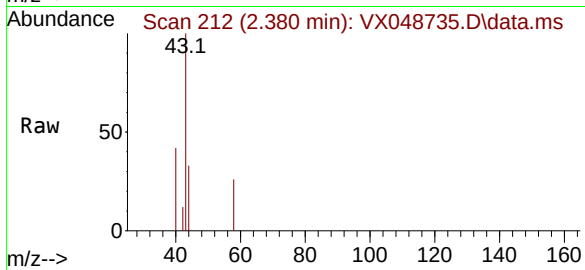




#16  
Acetone  
Concen: 3.358 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX048735.D  
Acq: 05 Dec 2025 14:54

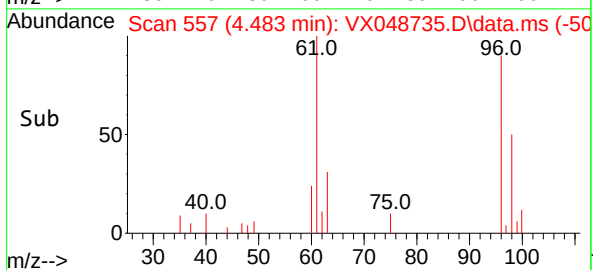
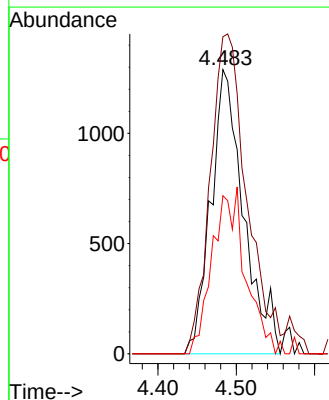
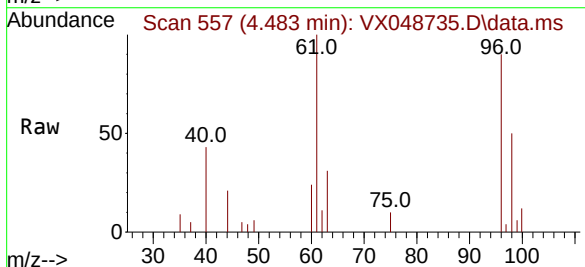
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-05B-72-120325

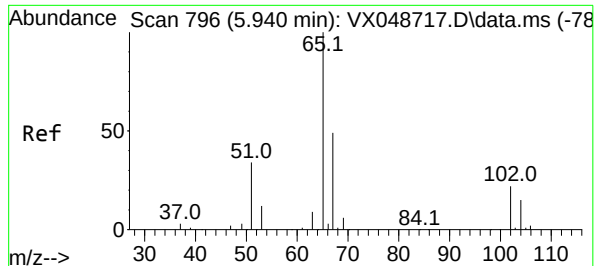
Tgt Ion: 43 Resp: 2234  
Ion Ratio Lower Upper  
43 100  
58 26.4 25.0 37.4



#27  
cis-1,2-Dichloroethene  
Concen: 2.165 ug/l  
RT: 4.483 min Scan# 557  
Delta R.T. -0.000 min  
Lab File: VX048735.D  
Acq: 05 Dec 2025 14:54

Tgt Ion: 96 Resp: 3749  
Ion Ratio Lower Upper  
96 100  
61 126.3 0.0 271.0  
98 59.3 0.0 130.2





#33

1,2-Dichloroethane-d4

Concen: 58.840 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

Instrument :

MSVOA\_X

ClientSampleId :

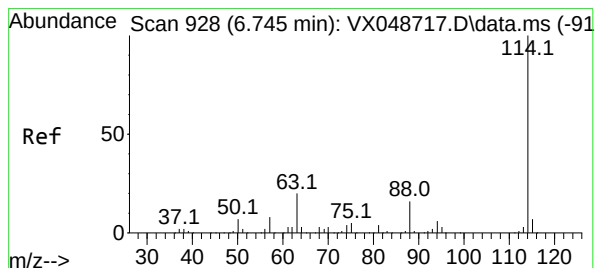
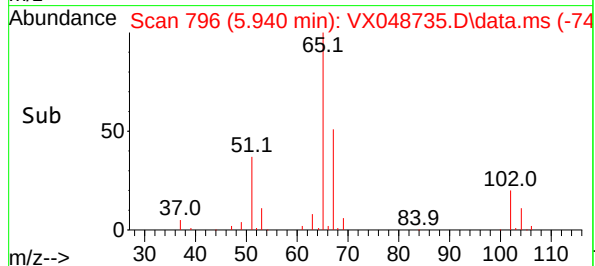
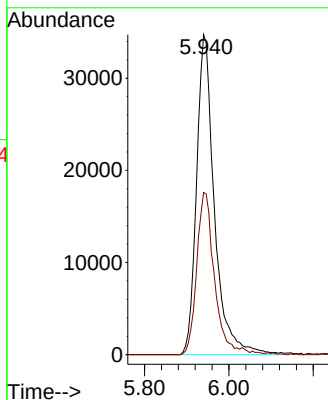
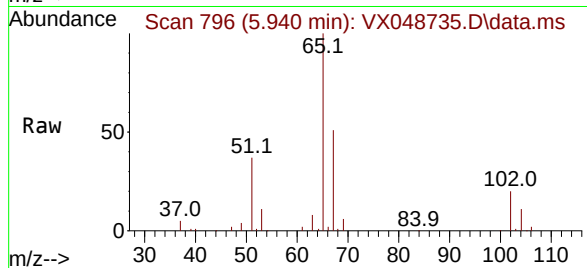
OW-05B-72-120325

Tgt Ion: 65 Resp: 102254

Ion Ratio Lower Upper

65 100

67 50.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

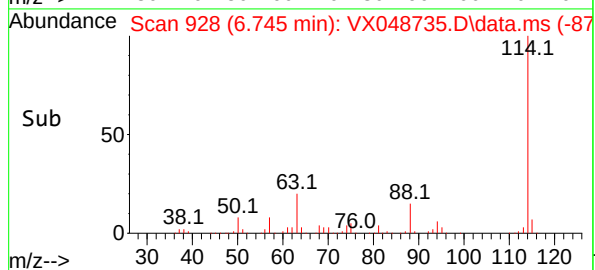
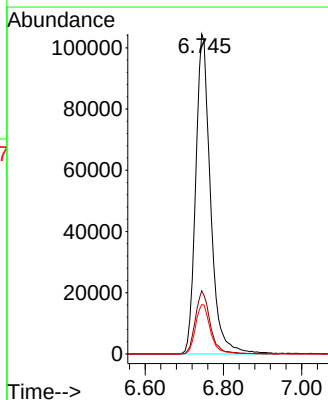
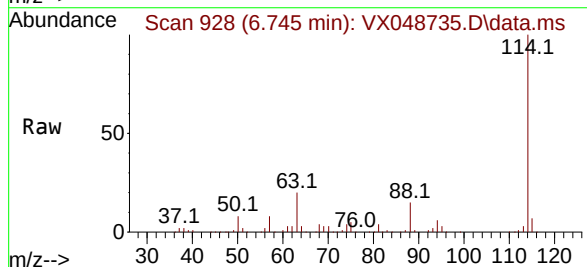
Tgt Ion: 114 Resp: 275147

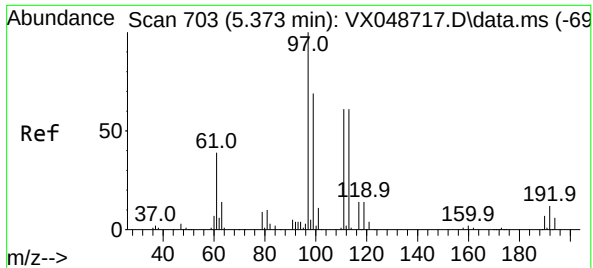
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 39.688 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048735.D

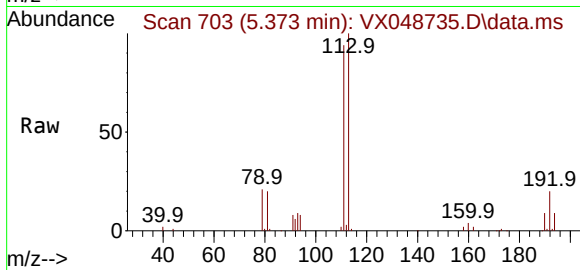
Acq: 05 Dec 2025 14:54

Instrument :

MSVOA\_X

ClientSampleId :

OW-05B-72-120325



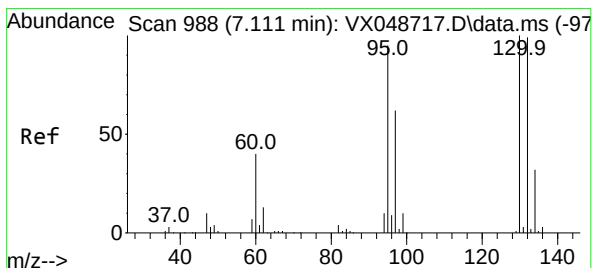
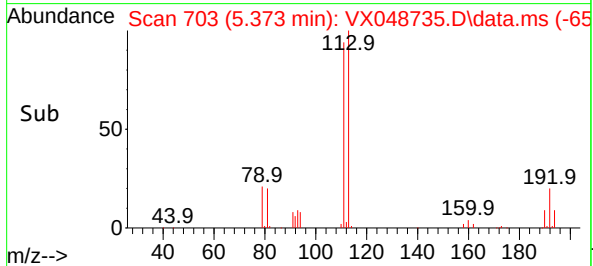
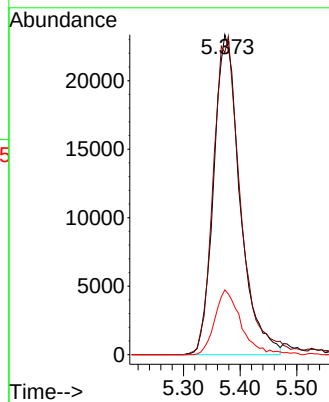
Tgt Ion:113 Resp: 75188

Ion Ratio Lower Upper

113 100

111 103.3 79.5 119.3

192 20.3 16.1 24.1



#44

Trichloroethene

Concen: 0.440 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048735.D

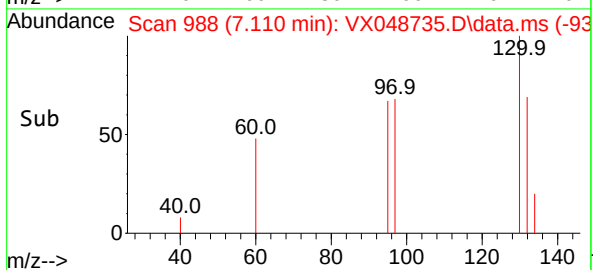
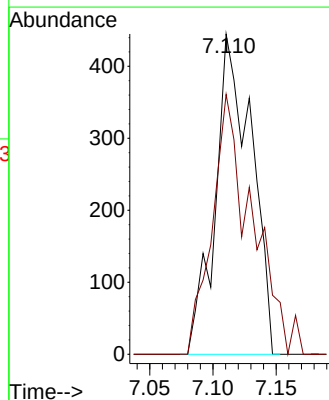
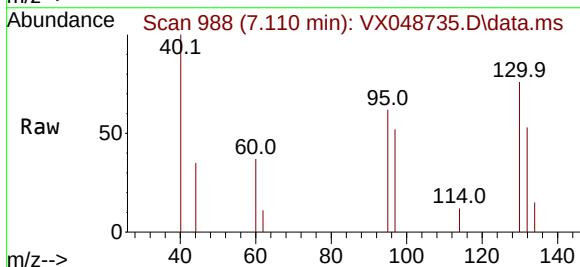
Acq: 05 Dec 2025 14:54

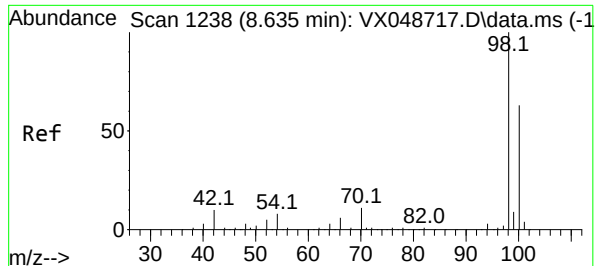
Tgt Ion:130 Resp: 883

Ion Ratio Lower Upper

130 100

95 81.1 0.0 189.6





#50

Toluene-d8

Concen: 38.182 ug/l

RT: 8.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

Instrument :

MSVOA\_X

ClientSampleId :

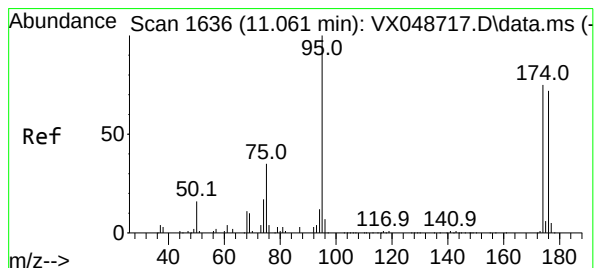
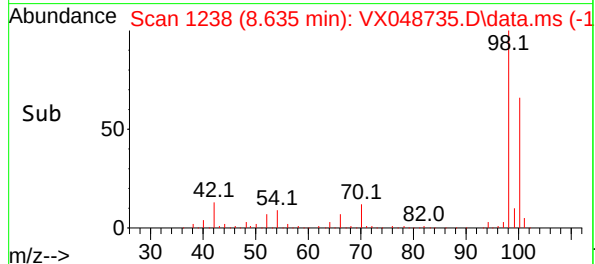
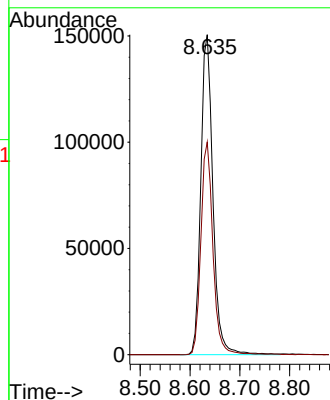
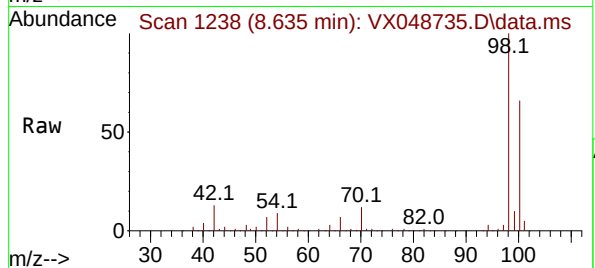
OW-05B-72-120325

Tgt Ion: 98 Resp: 253556

Ion Ratio Lower Upper

98 100

100 66.0 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 45.048 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

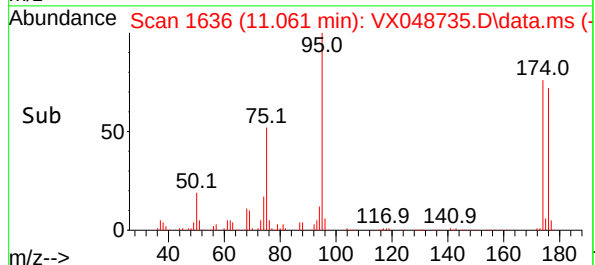
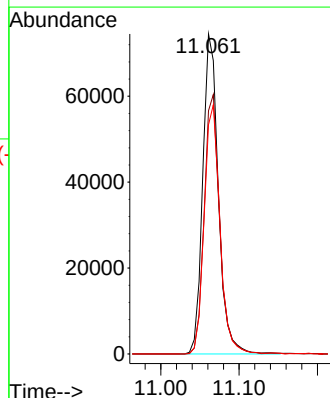
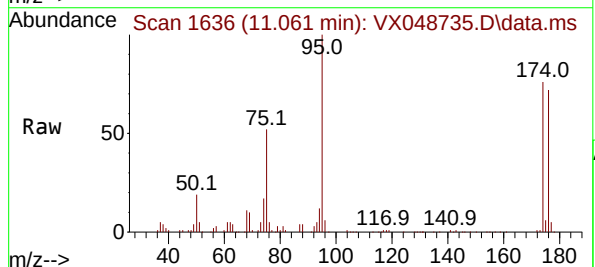
Tgt Ion: 95 Resp: 103159

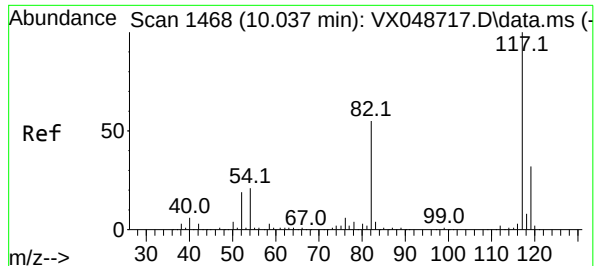
Ion Ratio Lower Upper

95 100

174 80.5 0.0 157.8

176 78.5 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

Instrument :

MSVOA\_X

ClientSampleId :

OW-05B-72-120325

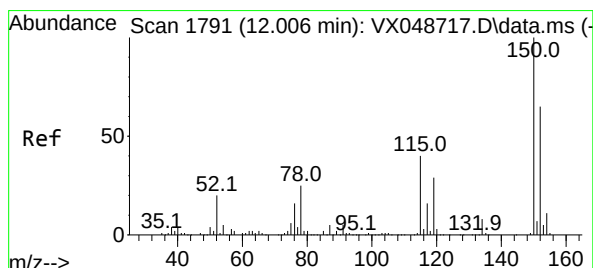
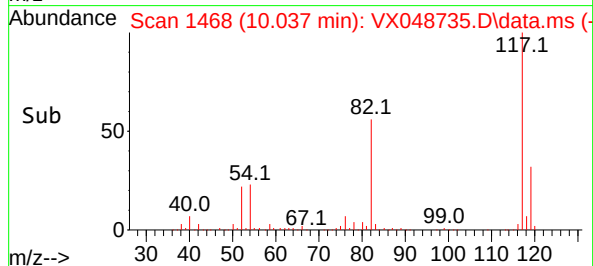
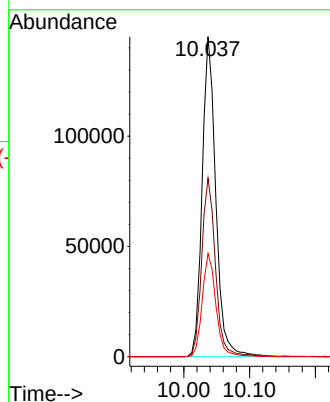
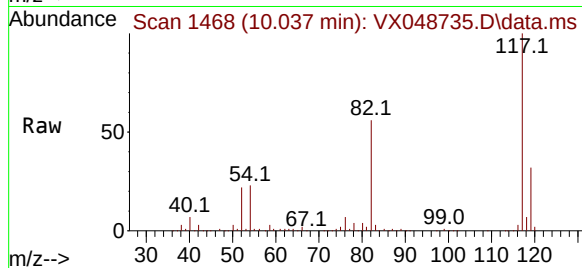
Tgt Ion:117 Resp: 208806

Ion Ratio Lower Upper

117 100

82 55.8 44.1 66.1

119 32.3 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

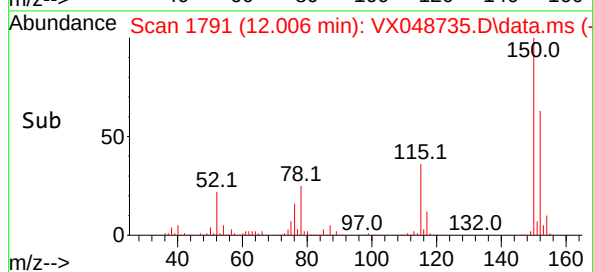
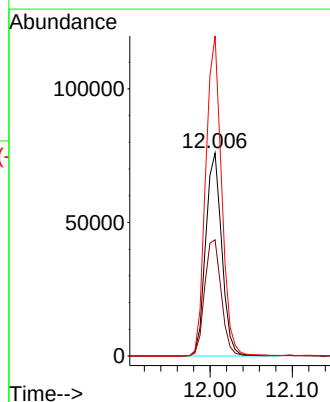
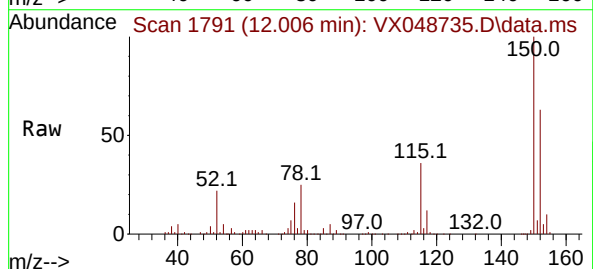
Tgt Ion:152 Resp: 103213

Ion Ratio Lower Upper

152 100

115 59.1 42.1 126.4

150 156.2 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120825\  
 Data File : VX048748.D  
 Acq On : 08 Dec 2025 12:53  
 Operator : JC/MD  
 Sample : Q3757-09RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OW-05B-72-120325RE

Quant Time: Dec 09 04:09:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

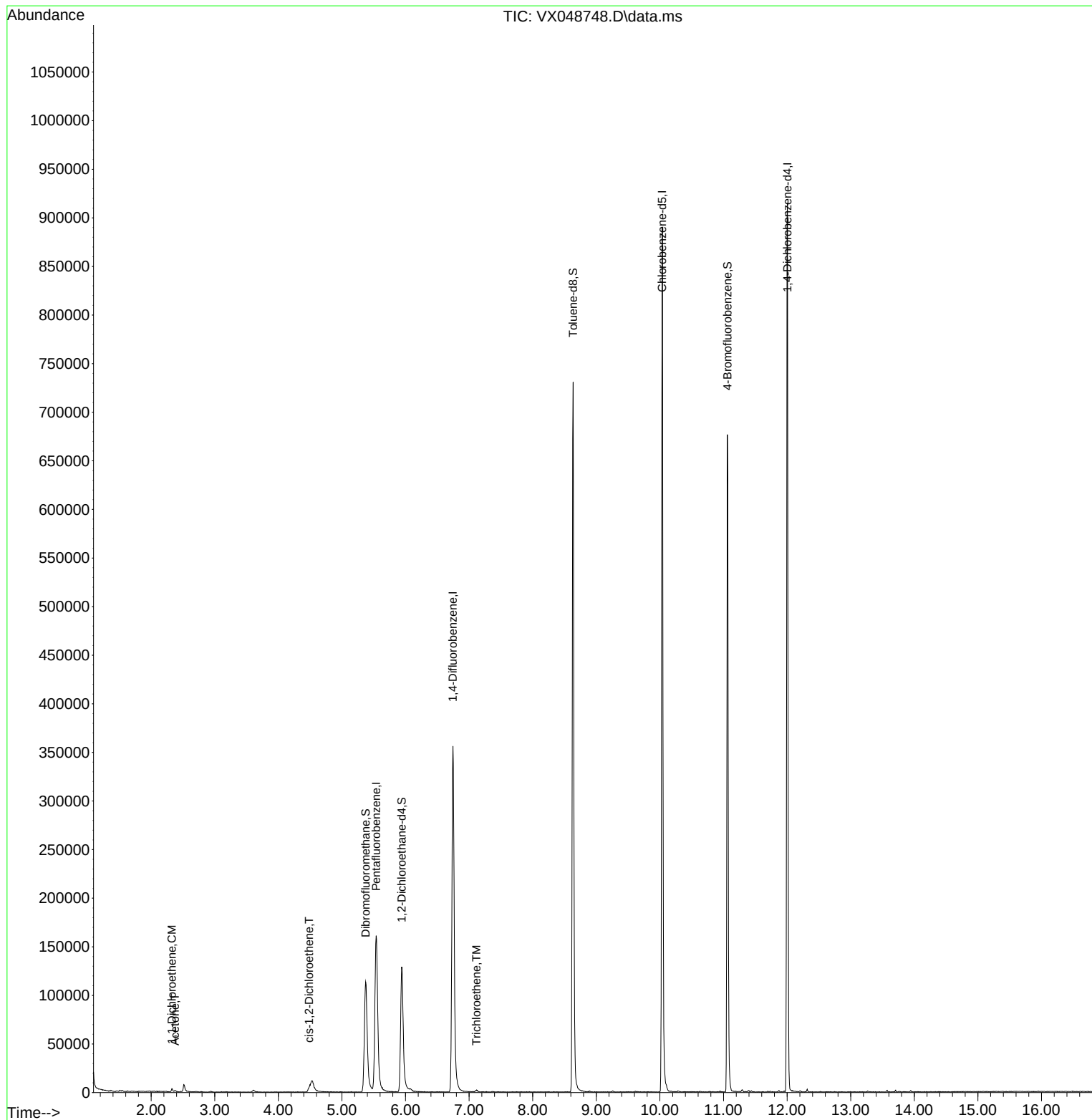
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 5.537  | 168   | 169111   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.744  | 114   | 409831   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 10.036 | 117   | 413547   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.006 | 152   | 197728   | 50.000   | ug/l  | 0.00      |
|                             |        |       |          |          |       |           |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 142724   | 62.880   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 125.760%# |
| 35) Dibromofluoromethane    | 5.373  | 113   | 111782   | 39.613   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 79.220%   |
| 50) Toluene-d8              | 8.634  | 98    | 465280   | 47.039   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 94.080%   |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 191359   | 56.102   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 112.200%  |
|                             |        |       |          |          |       |           |
| Target Compounds            |        |       |          |          |       |           |
| 12) 1,1-Dichloroethene      | 2.324  | 96    | 1182     | 0.602    | ug/l  | 86        |
| 16) Acetone                 | 2.373  | 43    | 2059     | 2.370    | ug/l  | 89        |
| 27) cis-1,2-Dichloroethene  | 4.483  | 96    | 3429     | 1.516    | ug/l  | 60        |
| 44) Trichloroethene         | 7.116  | 130   | 749      | 0.251    | ug/l  | 62        |
| -----                       |        |       |          |          |       |           |

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

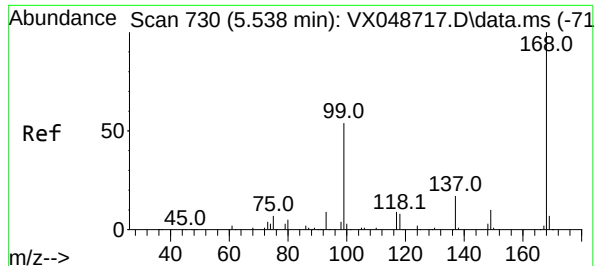
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120825\  
Data File : VX048748.D  
Acq On : 08 Dec 2025 12:53  
Operator : JC/MD  
Sample : Q3757-09RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-05B-72-120325RE

Quant Time: Dec 09 04:09:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration

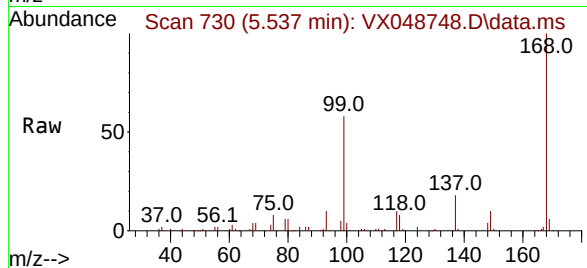




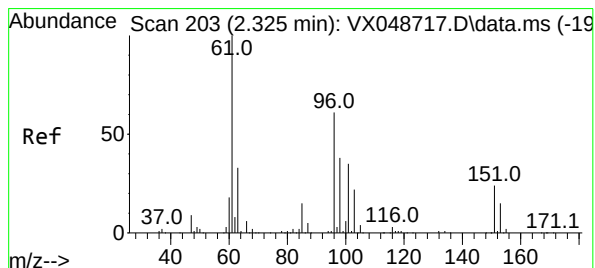
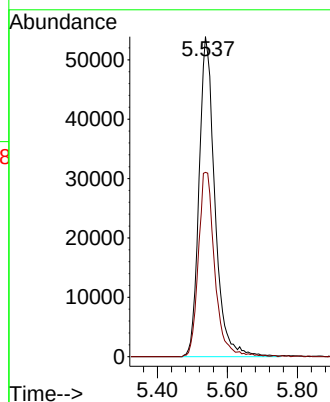
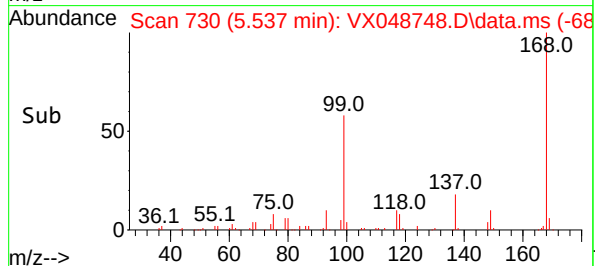


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.537 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX048748.D  
Acq: 08 Dec 2025 12:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-05B-72-120325RE

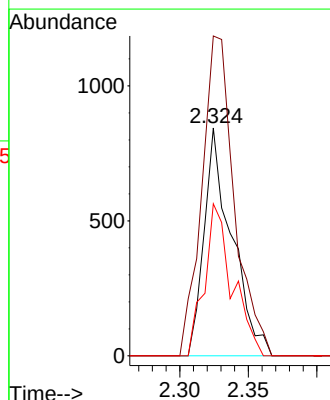
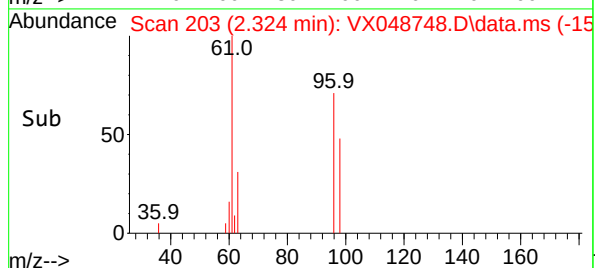
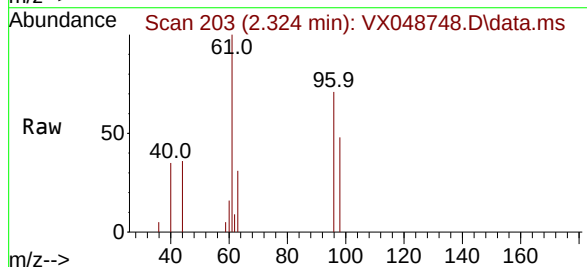


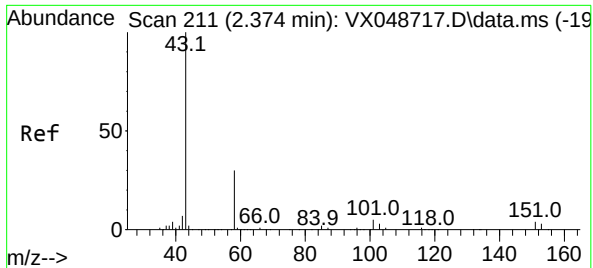
Tgt Ion:168 Resp: 169111  
Ion Ratio Lower Upper  
168 100  
99 57.6 44.2 66.4



#12  
1,1-Dichloroethene  
Concen: 0.602 ug/l  
RT: 2.324 min Scan# 203  
Delta R.T. -0.000 min  
Lab File: VX048748.D  
Acq: 08 Dec 2025 12:53

Tgt Ion: 96 Resp: 1182  
Ion Ratio Lower Upper  
96 100  
61 140.4 130.7 196.1  
98 66.7 49.8 74.8

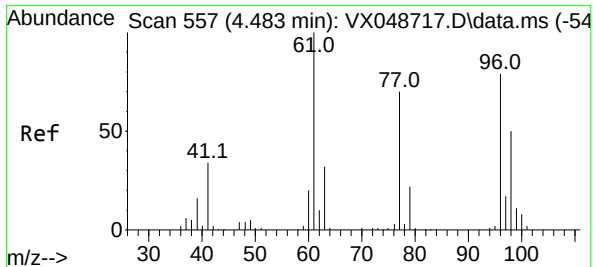
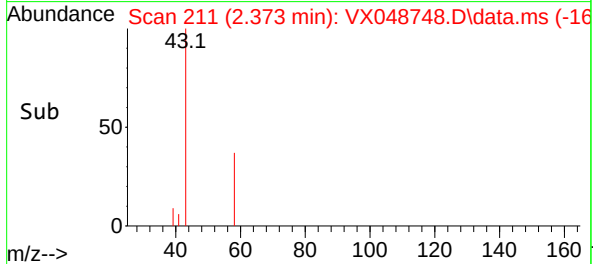
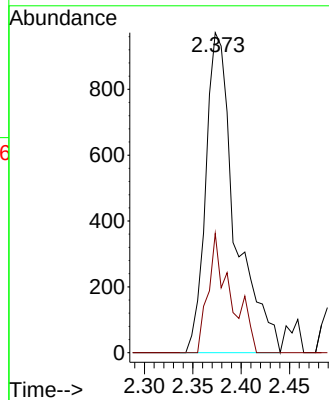
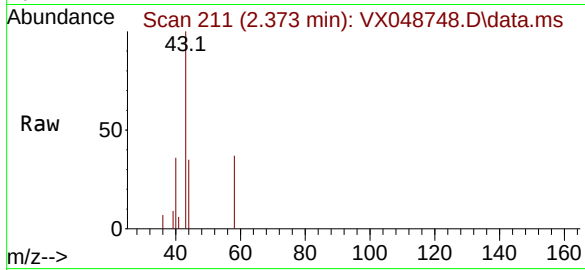




#16  
Acetone  
Concen: 2.370 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX048748.D  
Acq: 08 Dec 2025 12:53

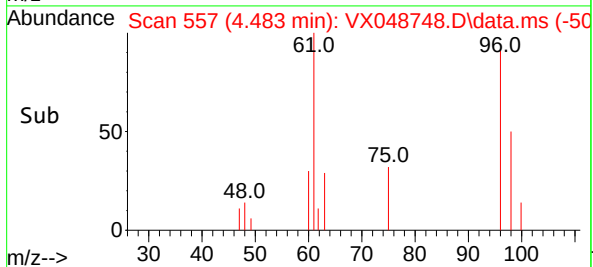
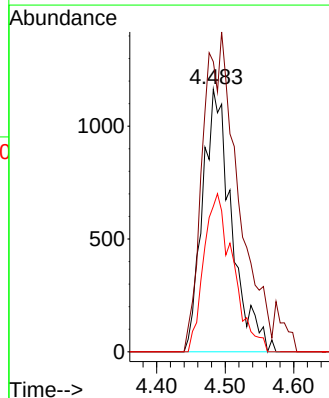
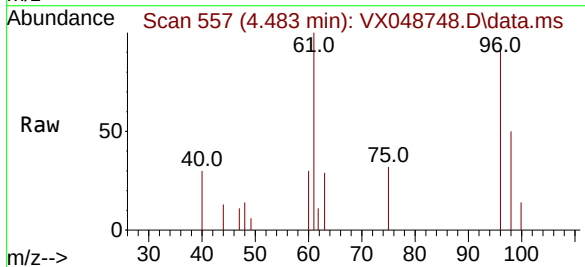
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-05B-72-120325RE

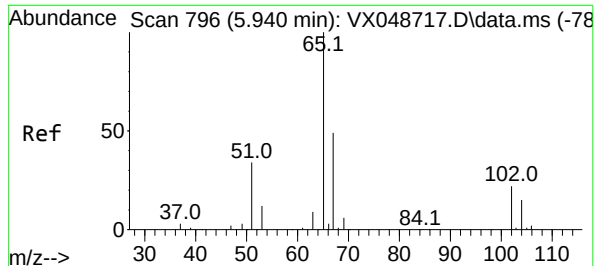
Tgt Ion: 43 Resp: 2059  
Ion Ratio Lower Upper  
43 100  
58 37.2 25.0 37.4



#27  
cis-1,2-Dichloroethene  
Concen: 1.516 ug/l  
RT: 4.483 min Scan# 557  
Delta R.T. -0.000 min  
Lab File: VX048748.D  
Acq: 08 Dec 2025 12:53

Tgt Ion: 96 Resp: 3429  
Ion Ratio Lower Upper  
96 100  
61 67.6 0.0 271.0  
98 61.1 0.0 130.2





#33

1,2-Dichloroethane-d4

Concen: 62.880 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

Instrument :

MSVOA\_X

ClientSampleId :

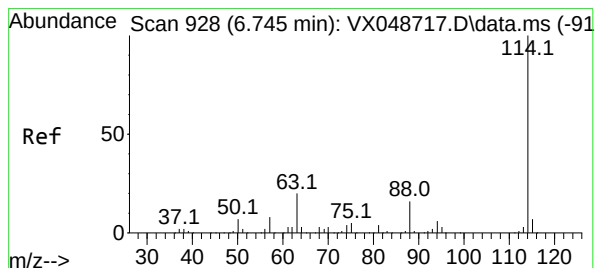
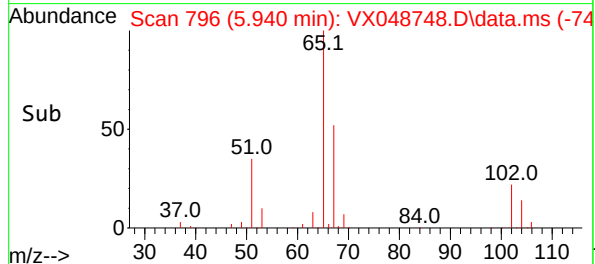
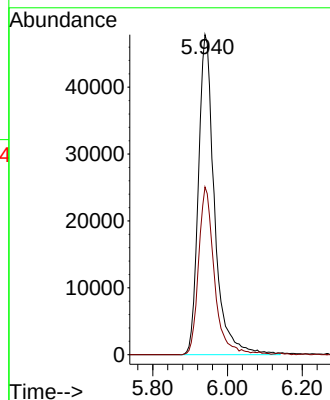
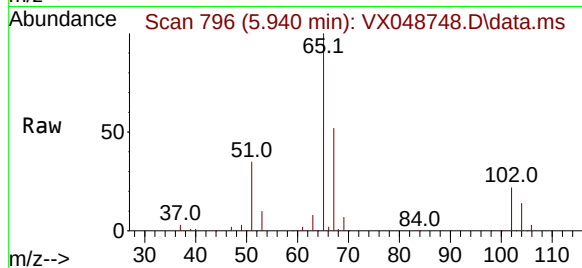
OW-05B-72-120325RE

Tgt Ion: 65 Resp: 142724

Ion Ratio Lower Upper

65 100

67 51.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.744 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

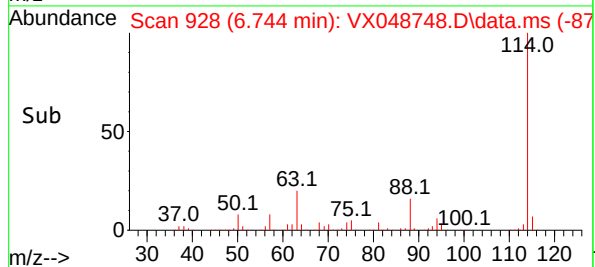
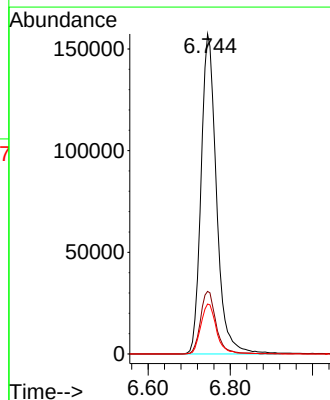
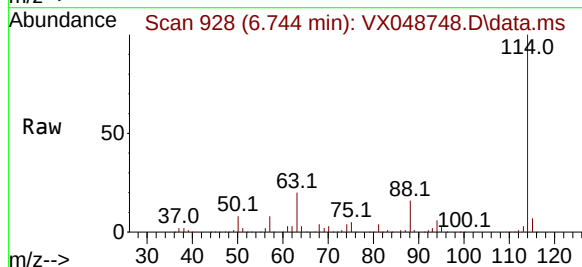
Tgt Ion: 114 Resp: 409831

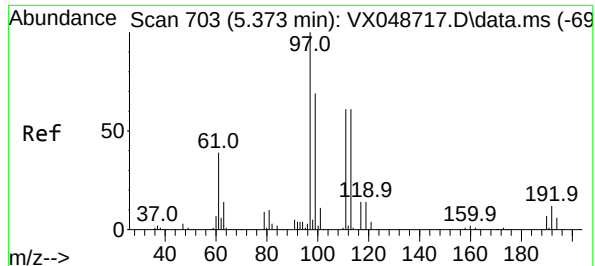
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 39.613 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048748.D

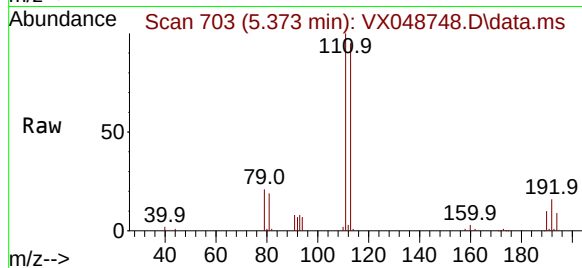
Acq: 08 Dec 2025 12:53

Instrument :

MSVOA\_X

ClientSampleId :

OW-05B-72-120325RE



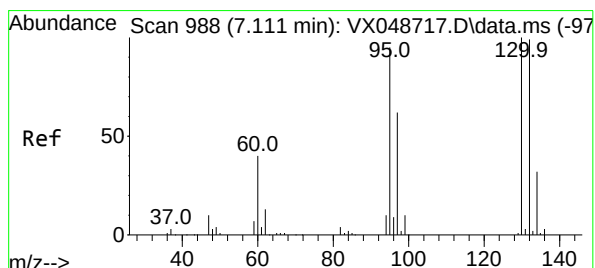
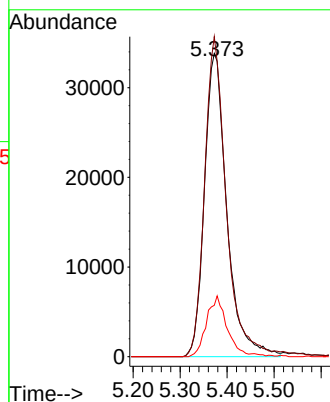
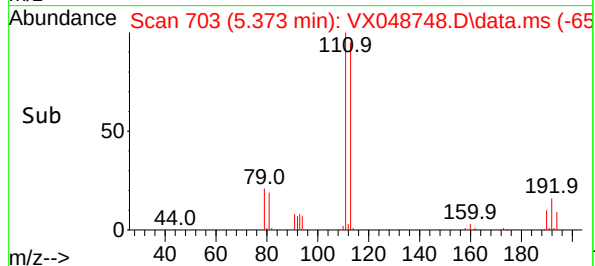
Tgt Ion:113 Resp: 111782

Ion Ratio Lower Upper

113 100

111 103.7 79.5 119.3

192 18.7 16.1 24.1



#44

Trichloroethene

Concen: 0.251 ug/l

RT: 7.116 min Scan# 989

Delta R.T. 0.006 min

Lab File: VX048748.D

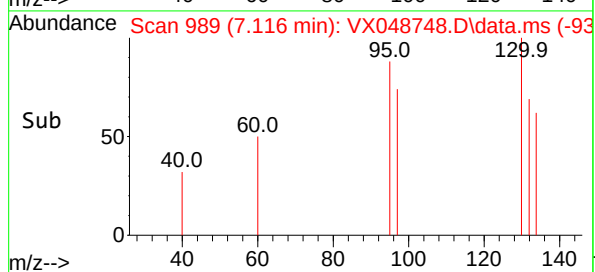
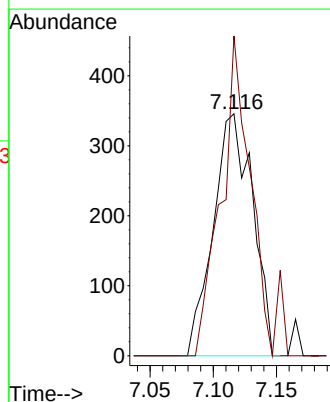
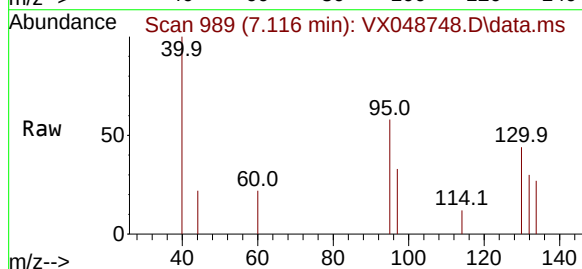
Acq: 08 Dec 2025 12:53

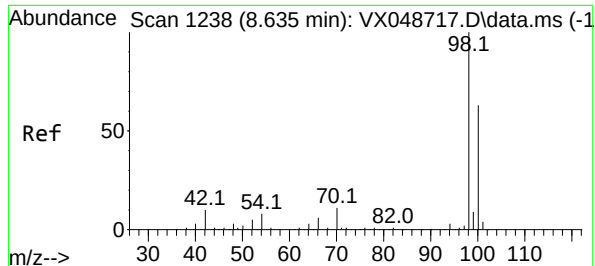
Tgt Ion:130 Resp: 749

Ion Ratio Lower Upper

130 100

95 132.1 0.0 189.6





#50

Toluene-d8

Concen: 47.039 ug/l

RT: 8.634 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

Instrument :

MSVOA\_X

ClientSampleId :

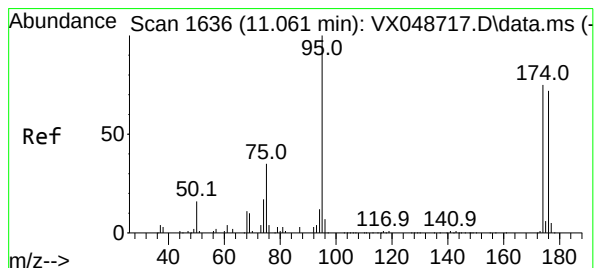
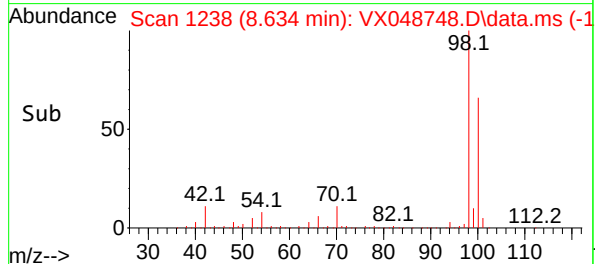
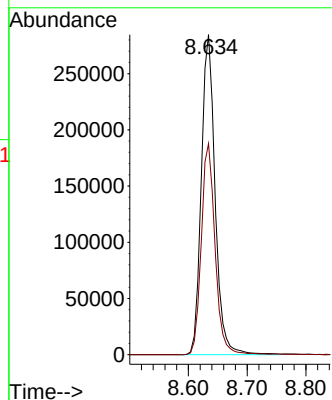
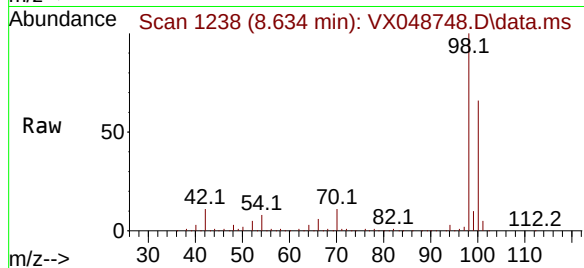
OW-05B-72-120325RE

Tgt Ion: 98 Resp: 465280

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 56.102 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

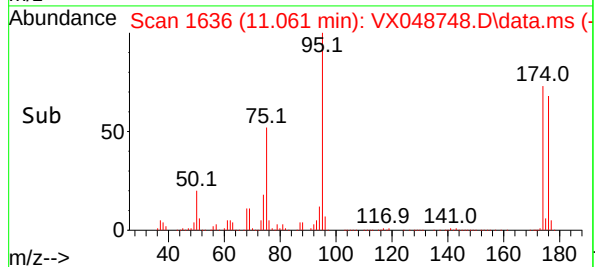
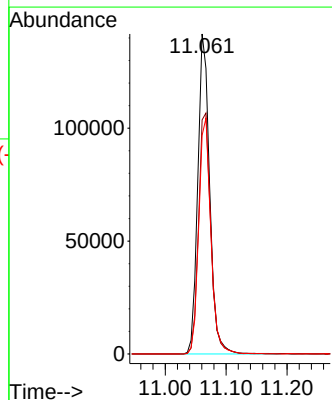
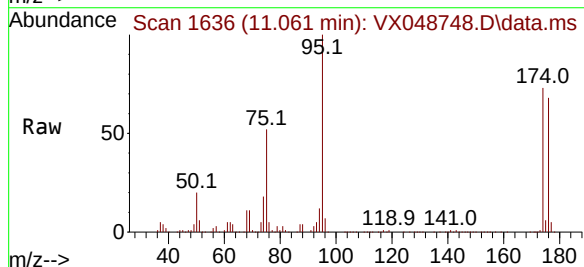
Tgt Ion: 95 Resp: 191359

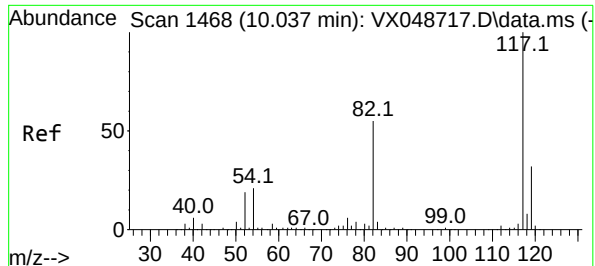
Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.8

176 75.0 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.036 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

Instrument :

MSVOA\_X

ClientSampleId :

OW-05B-72-120325RE

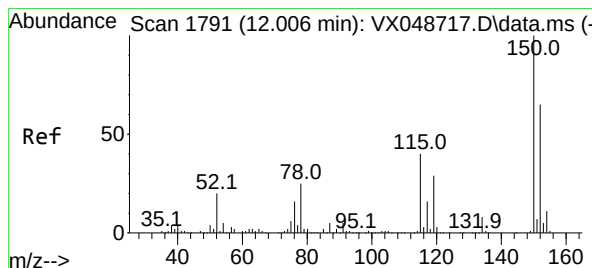
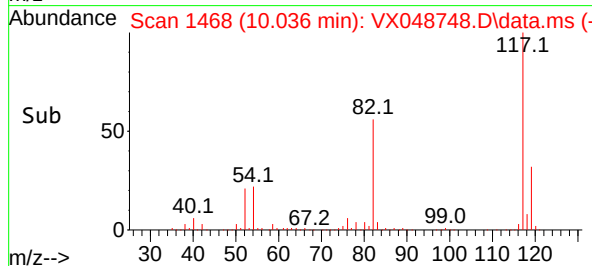
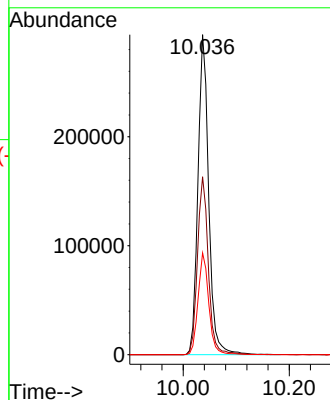
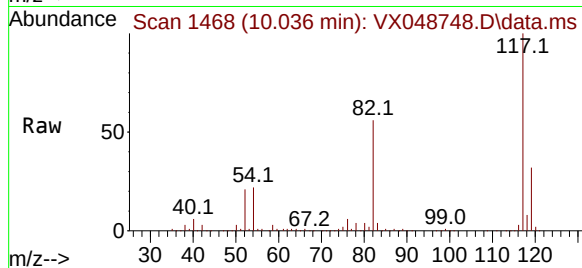
Tgt Ion:117 Resp: 413547

Ion Ratio Lower Upper

117 100

82 55.6 44.1 66.1

119 31.8 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

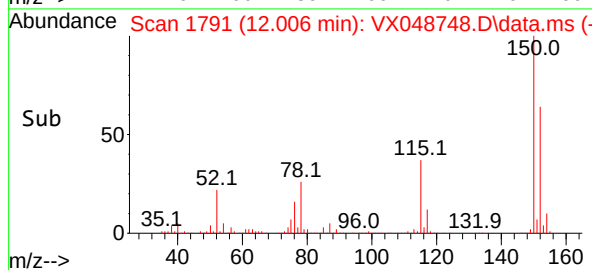
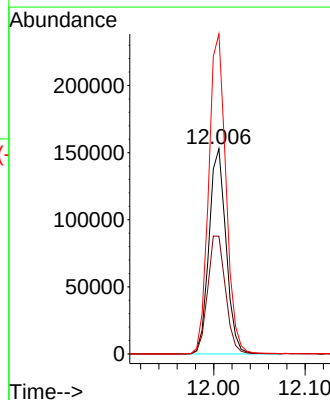
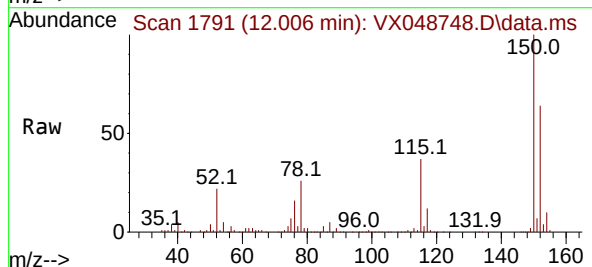
Tgt Ion:152 Resp: 197728

Ion Ratio Lower Upper

152 100

115 60.2 42.1 126.4

150 157.5 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
 Data File : VN088450.D  
 Acq On : 04 Dec 2025 16:48  
 Operator : JC\MD  
 Sample : Q3757-11  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EB01-120325

### Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025  
 Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:18:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.206          | 168  | 201753              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.082          | 114  | 451562              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.841         | 117  | 439722              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.770         | 152  | 210586              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.559          | 65   | 203838              | 53.633 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 107.260% |        |        |          |
| 35) Dibromofluoromethane    | 8.147          | 113  | 146660              | 46.867 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 93.740%  |        |        |          |
| 50) Toluene-d8              | 10.541         | 98   | 516378              | 44.349 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 88.700%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.829         | 95   | 197862              | 49.526 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 99.060%  |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 16) Acetone                 | 4.412          | 43   | 17456m              | 12.700 | ug/l   |          |
| -----                       |                |      |                     |        |        |          |

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

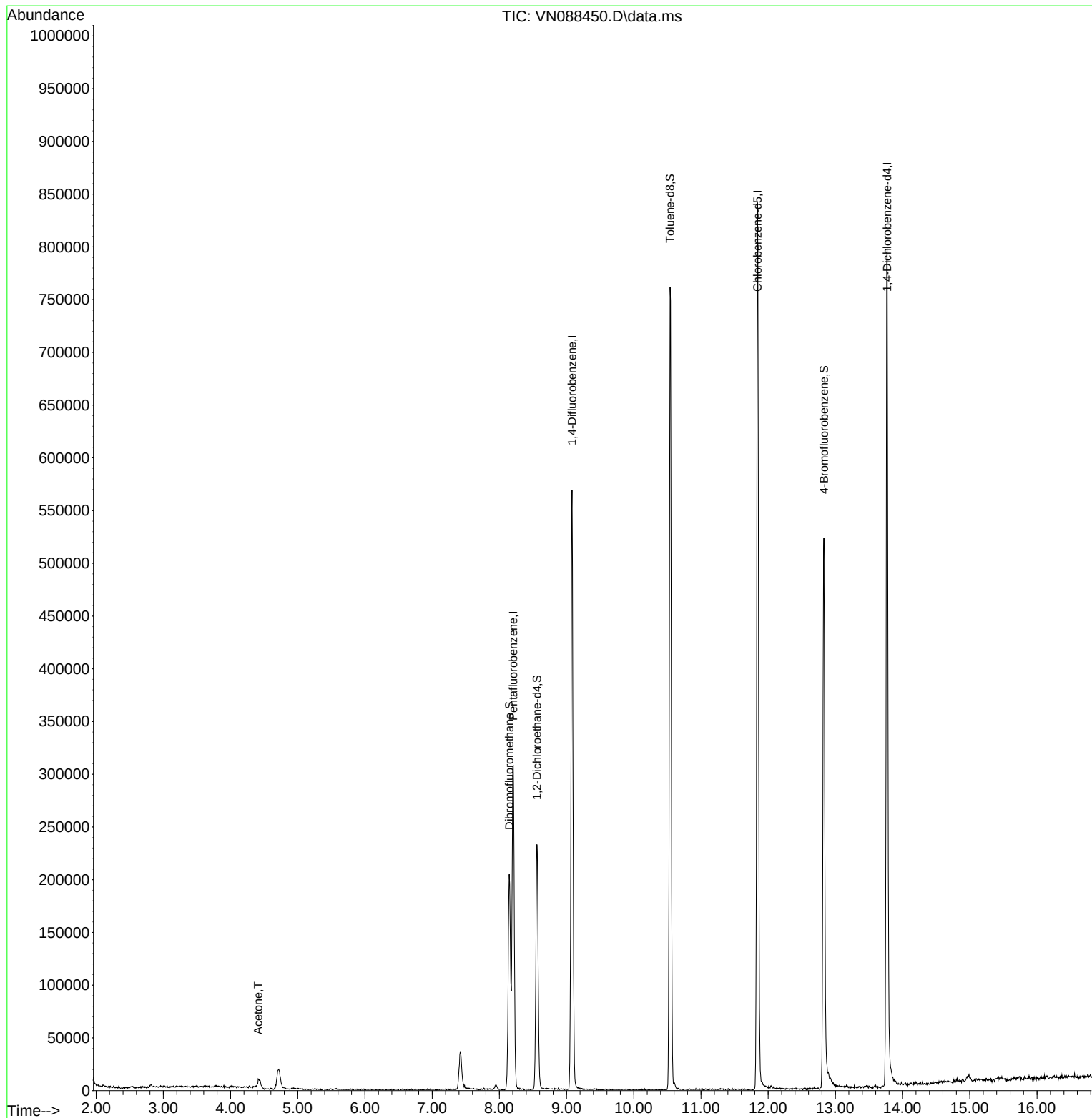
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088450.D  
Acq On : 04 Dec 2025 16:48  
Operator : JC\MD  
Sample : Q3757-11  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EB01-120325

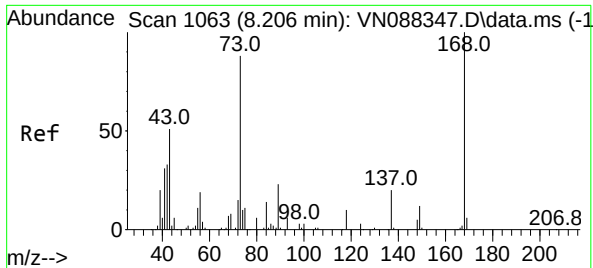
Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/05/2025  
Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:18:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

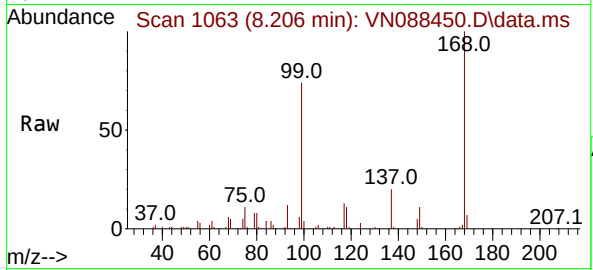






#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088450.D  
Acq: 04 Dec 2025 16:48

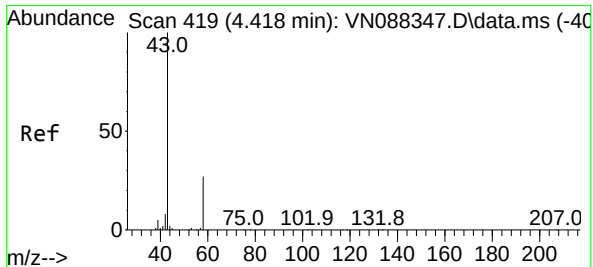
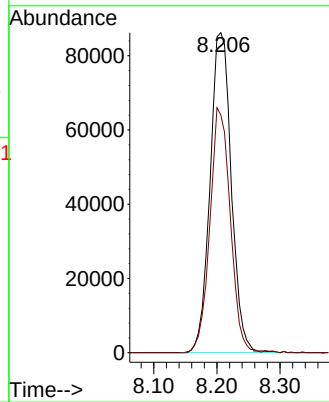
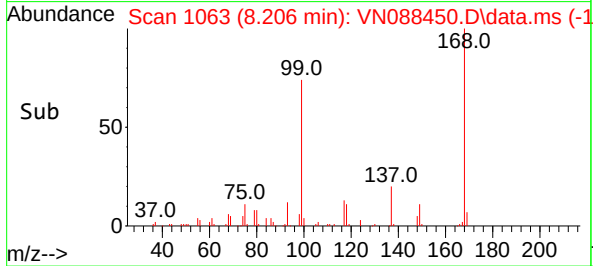
Instrument :  
MSVOA\_N  
ClientSampleId :  
EB01-120325



Tgt Ion:168 Resp: 20175  
Ion Ratio Lower Upper  
168 100  
99 74.3 57.1 85.7

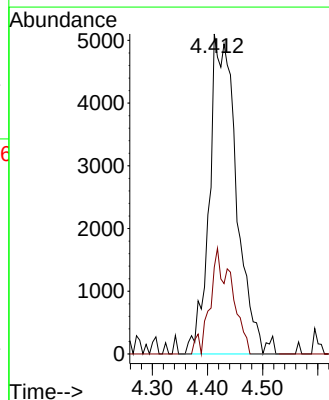
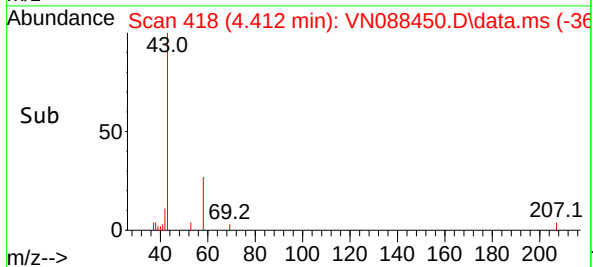
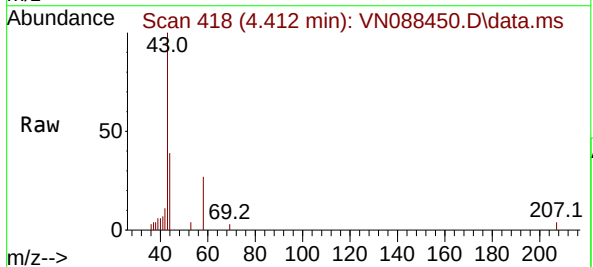
Manual Integrations  
APPROVED

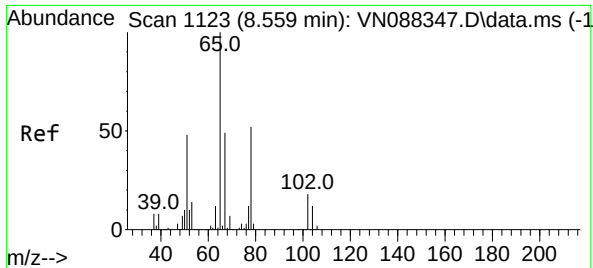
Reviewed By :John Carlone 12/05/2025  
Supervised By :Semsettin Yesilyurt 12/05/2025



#16  
Acetone  
Concen: 12.700 ug/l m  
RT: 4.412 min Scan# 418  
Delta R.T. -0.006 min  
Lab File: VN088450.D  
Acq: 04 Dec 2025 16:48

Tgt Ion: 43 Resp: 17456  
Ion Ratio Lower Upper  
43 100  
58 27.1 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 53.633 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

Tgt Ion: 65 Resp: 203838

Ion Ratio Lower Upper

65 100

67 49.7 0.0 100.8

Instrument :

MSVOA\_N

ClientSampleId :

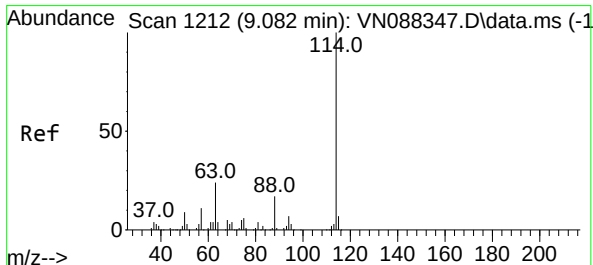
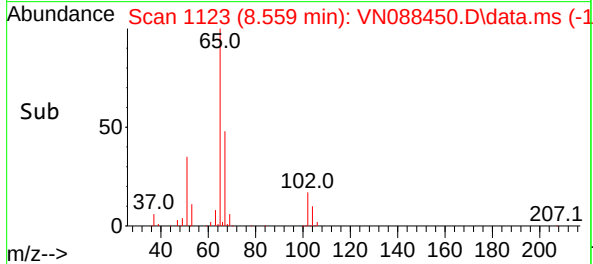
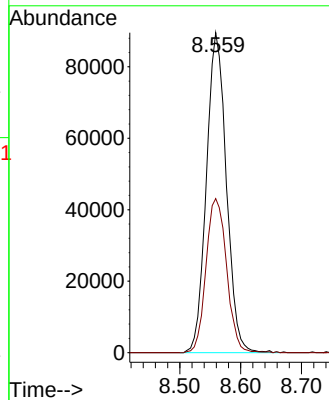
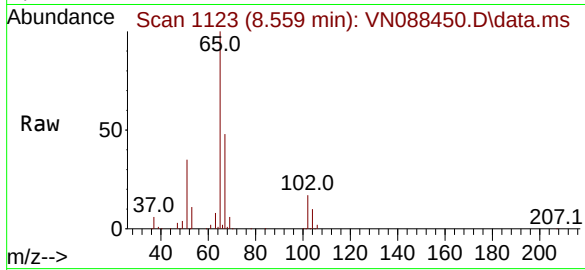
EB01-120325

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

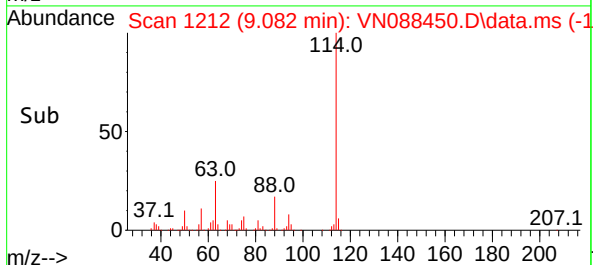
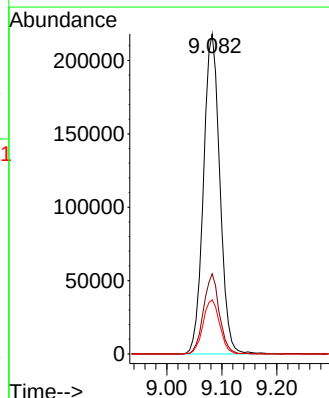
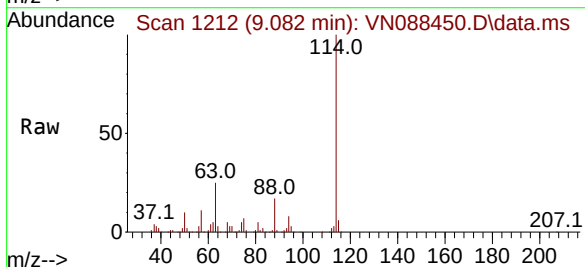
Tgt Ion:114 Resp: 451562

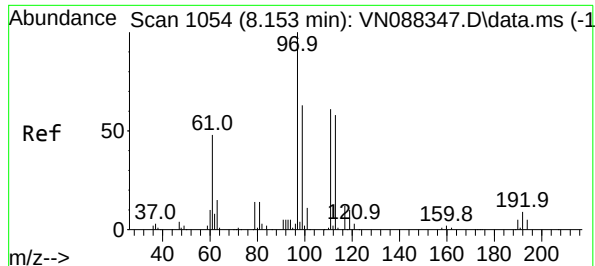
Ion Ratio Lower Upper

114 100

63 25.0 0.0 49.0

88 16.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.867 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088450.D

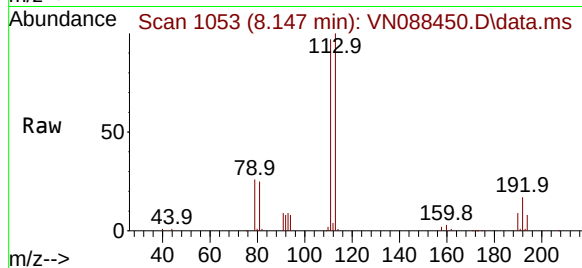
Acq: 04 Dec 2025 16:48

Instrument :

MSVOA\_N

ClientSampleId :

EB01-120325



Tgt Ion: 113 Resp: 146660

Ion Ratio Lower Upper

113 100

111 101.9 82.5 123.7

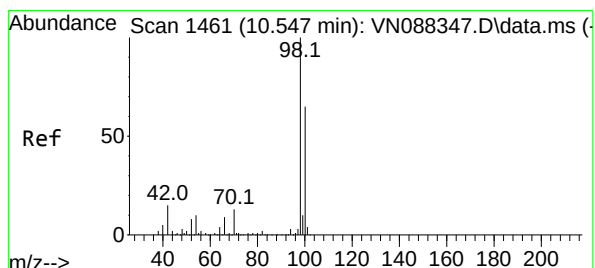
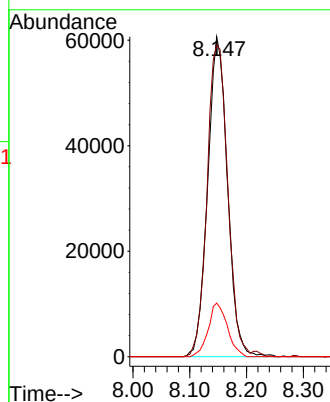
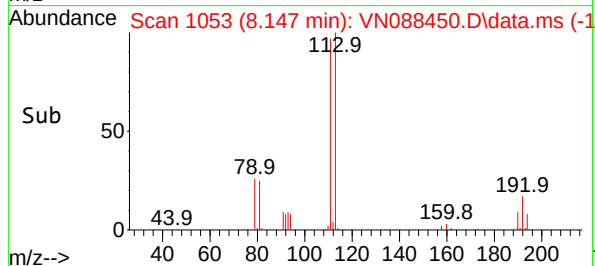
192 16.2 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#50

Toluene-d8

Concen: 44.349 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088450.D

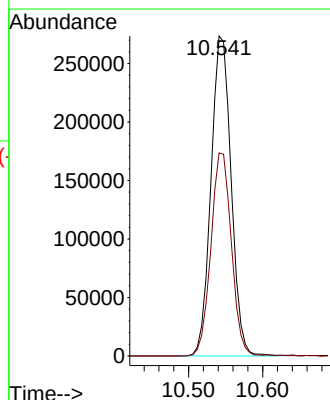
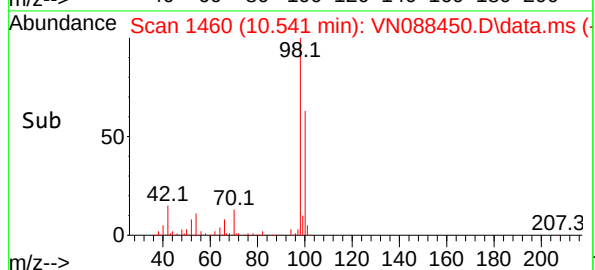
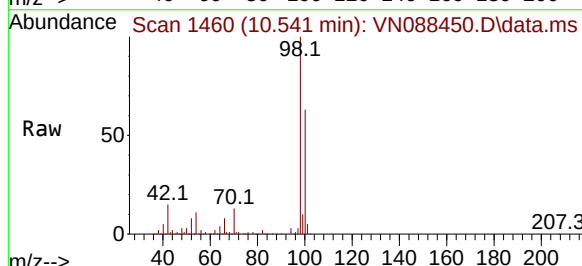
Acq: 04 Dec 2025 16:48

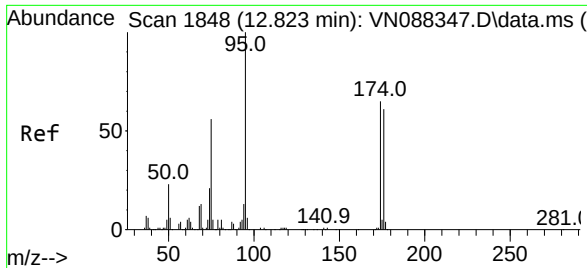
Tgt Ion: 98 Resp: 516378

Ion Ratio Lower Upper

98 100

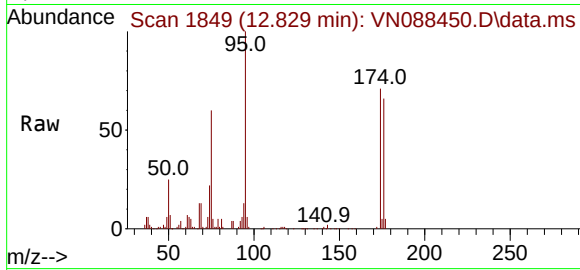
100 64.5 52.2 78.2





#62  
4-Bromofluorobenzene  
Concen: 49.526 ug/l  
RT: 12.829 min Scan# 1848  
Delta R.T. 0.006 min  
Lab File: VN088450.D  
Acq: 04 Dec 2025 16:48

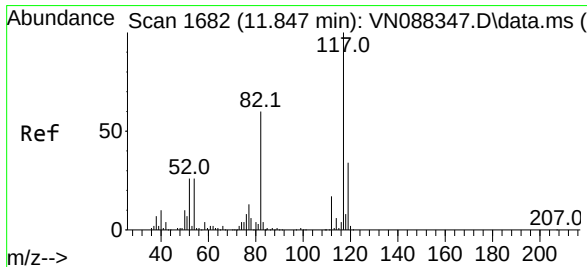
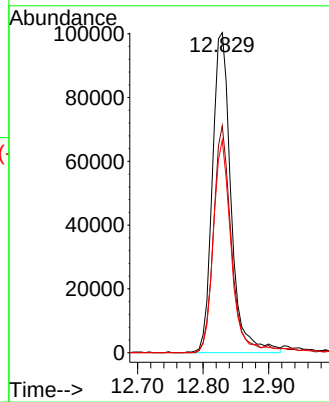
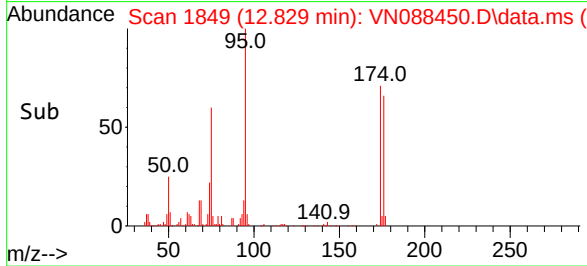
Instrument :  
MSVOA\_N  
ClientSampleId :  
EB01-120325



Tgt Ion: 95 Resp: 197862  
Ion Ratio Lower Upper  
95 100  
174 66.5 0.0 139.0  
176 64.3 0.0 132.4

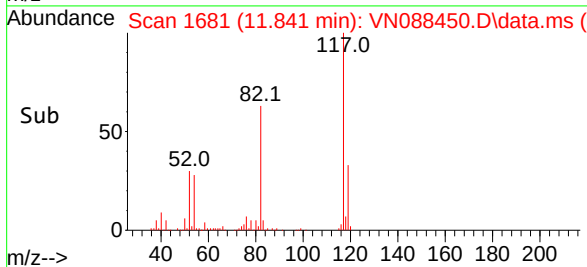
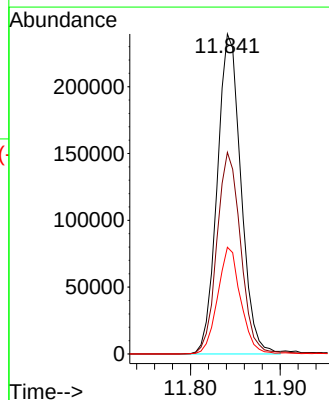
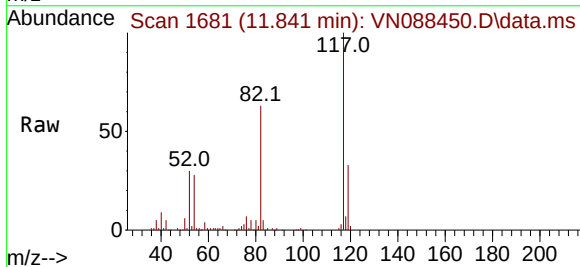
Manual Integrations  
APPROVED

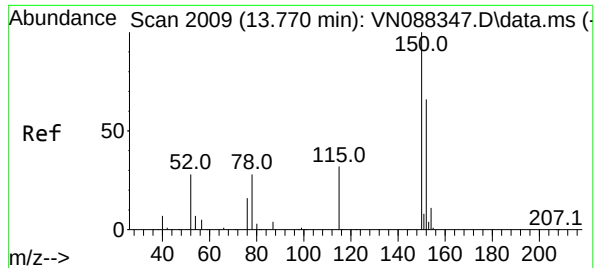
Reviewed By :John Carlone 12/05/2025  
Supervised By :Semsettin Yesilyurt 12/05/2025



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: VN088450.D  
Acq: 04 Dec 2025 16:48

Tgt Ion:117 Resp: 439722  
Ion Ratio Lower Upper  
117 100  
82 63.0 47.8 71.8  
119 33.4 26.9 40.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN088450.D

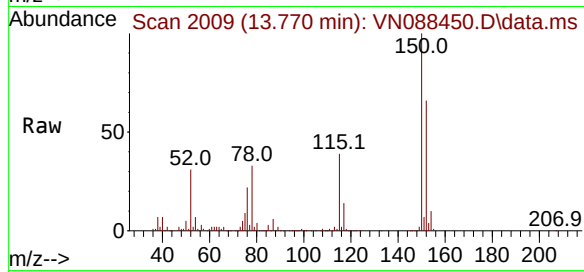
Acq: 04 Dec 2025 16:48

Instrument :

MSVOA\_N

ClientSampleId :

EB01-120325



Tgt Ion:152 Resp: 210580

Ion Ratio Lower Upper

152 100

115 66.3 33.0 98.9

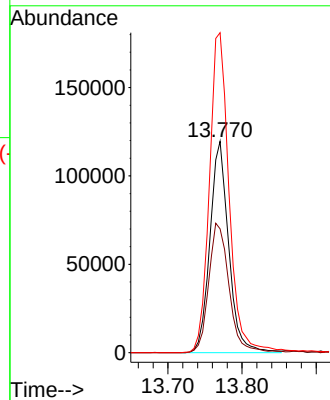
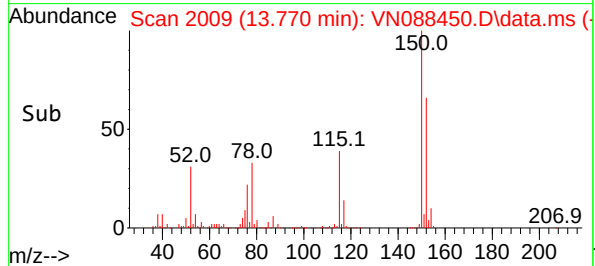
150 160.2 0.0 349.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088449.D  
Acq On : 04 Dec 2025 16:28  
Operator : JC\MD  
Sample : Q3757-12  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB01-120325

Quant Time: Dec 05 00:17:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 198228   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.083  | 114  | 454339   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 441078   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 211349   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 210629   | 56.405   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 112.820% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 148440   | 47.146   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 94.300%  |
| 50) Toluene-d8              | 10.541 | 98    | 527723   | 45.047   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 90.100%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 210610   | 52.395   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 104.800% |

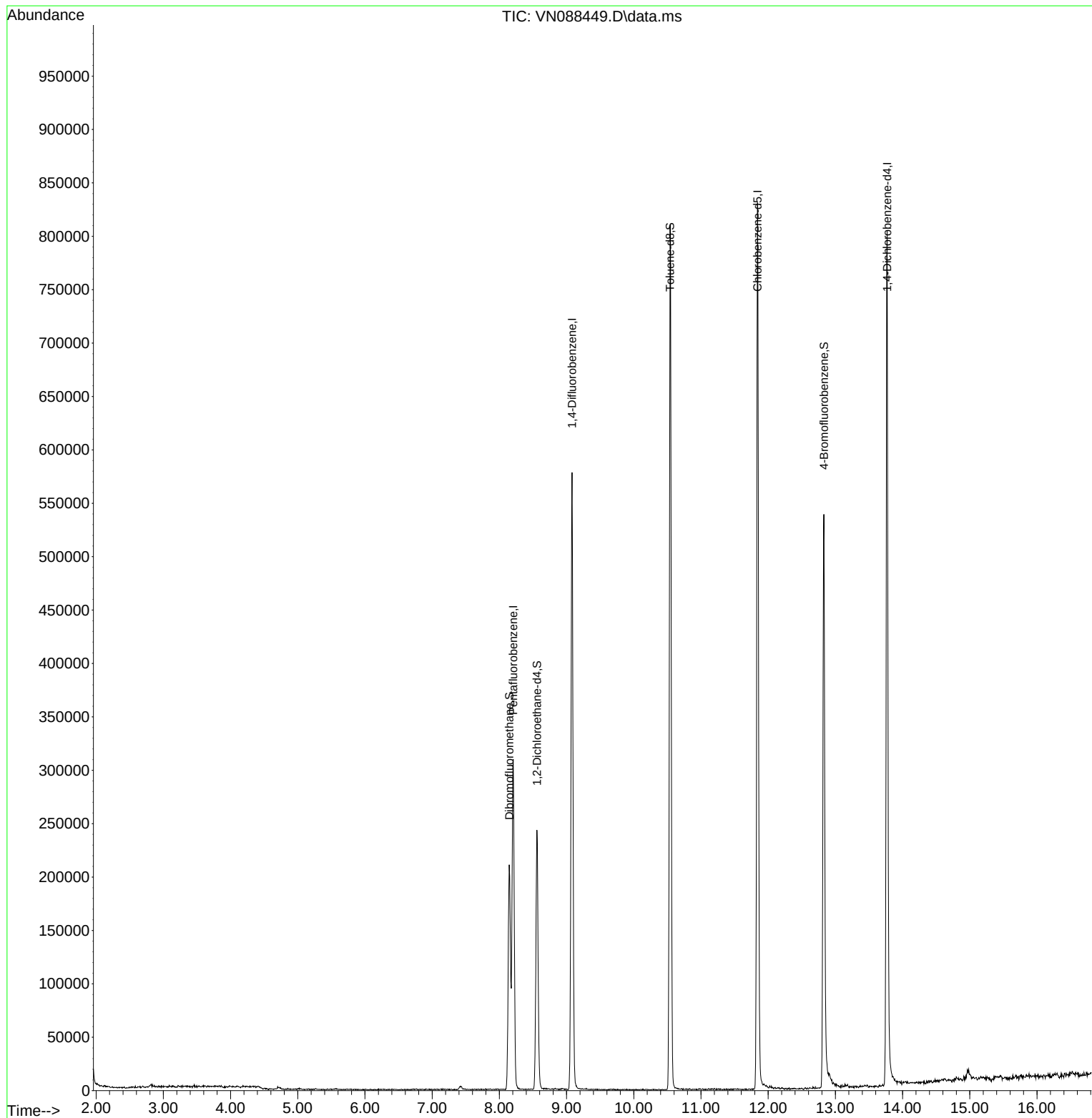
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

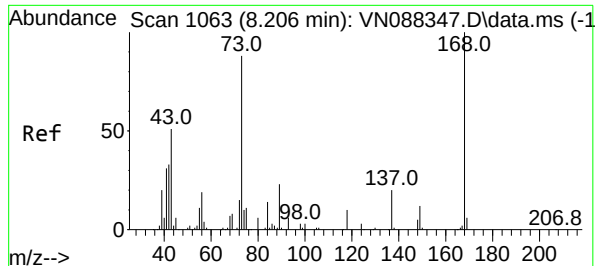
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088449.D  
Acq On : 04 Dec 2025 16:28  
Operator : JC\MD  
Sample : Q3757-12  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB01-120325

Quant Time: Dec 05 00:17:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

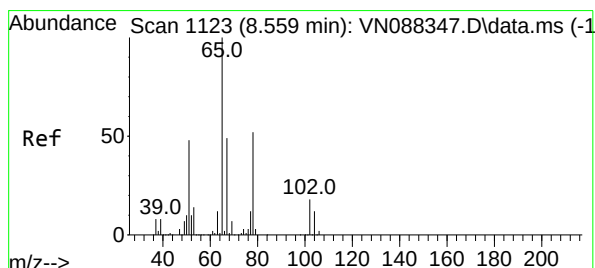
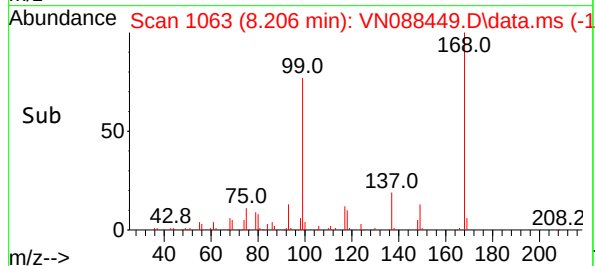
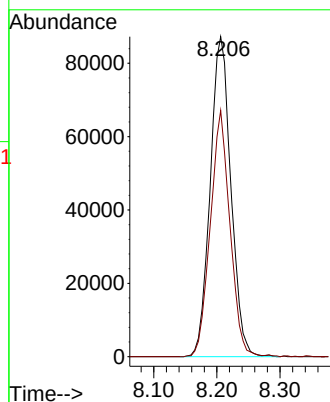
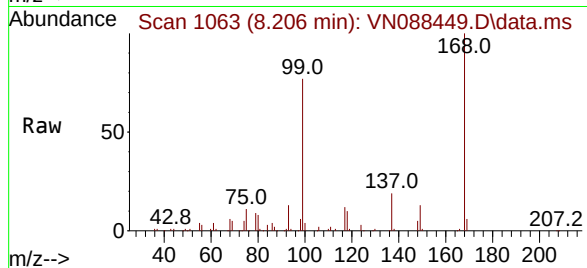




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088449.D  
Acq: 04 Dec 2025 16:28

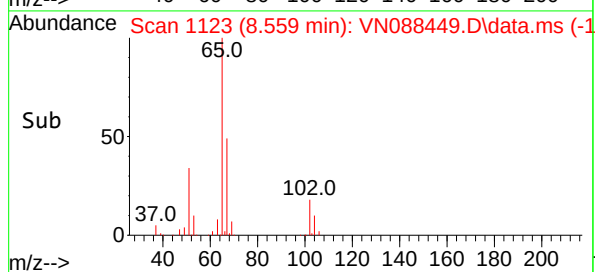
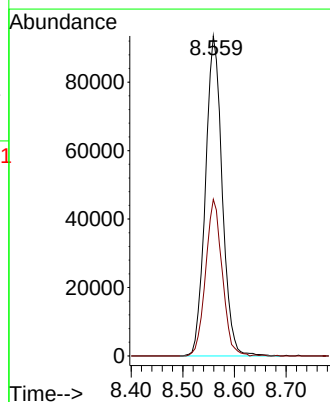
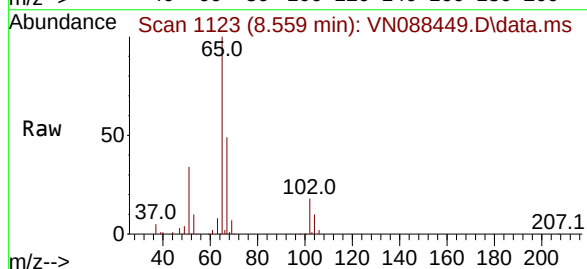
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB01-120325

Tgt Ion:168 Resp: 198228  
Ion Ratio Lower Upper  
168 100  
99 77.0 57.1 85.7

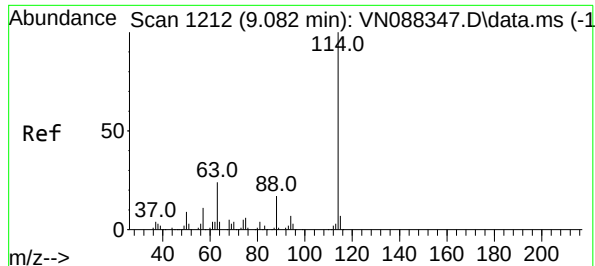


#33  
1,2-Dichloroethane-d4  
Concen: 56.405 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088449.D  
Acq: 04 Dec 2025 16:28

Tgt Ion: 65 Resp: 210629  
Ion Ratio Lower Upper  
65 100  
67 48.4 0.0 100.8







#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

Instrument :

MSVOA\_N

ClientSampleId :

TB01-120325

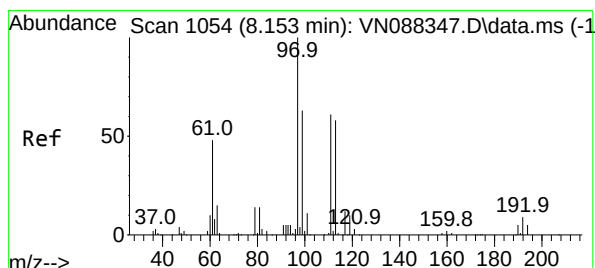
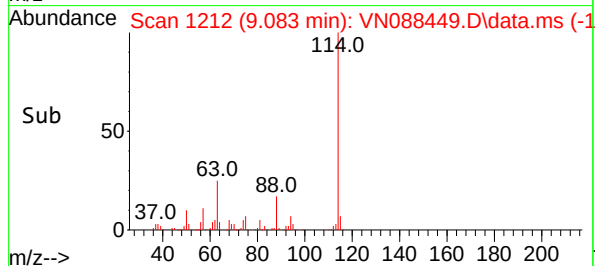
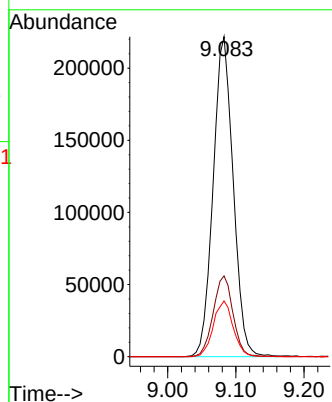
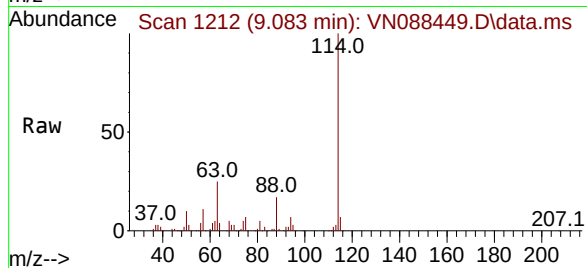
Tgt Ion:114 Resp: 454339

Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.0

88 17.4 0.0 34.0



#35

Dibromofluoromethane

Concen: 47.146 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

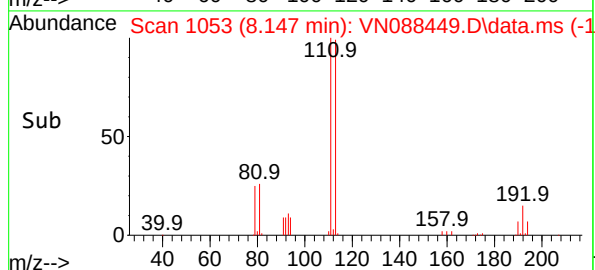
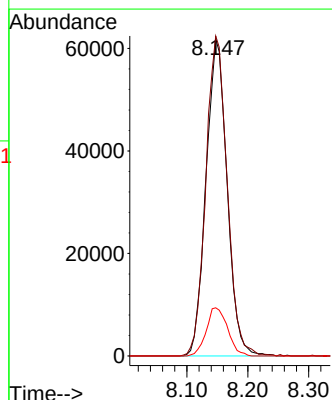
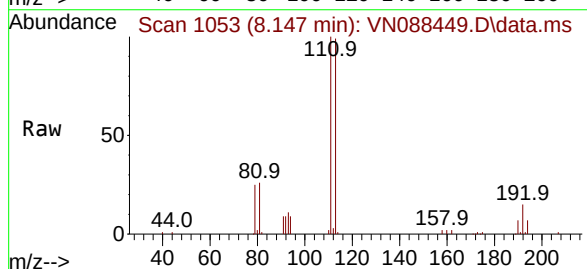
Tgt Ion:113 Resp: 148440

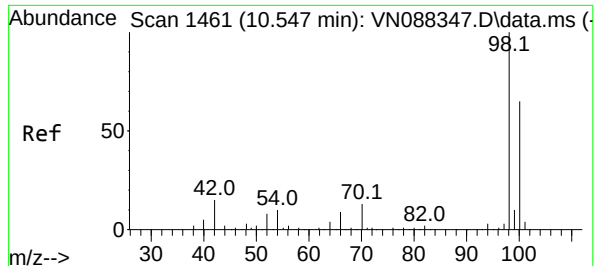
Ion Ratio Lower Upper

113 100

111 102.4 82.5 123.7

192 15.4 12.8 19.2





#50

Toluene-d8

Concen: 45.047 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

Instrument :

MSVOA\_N

ClientSampleId :

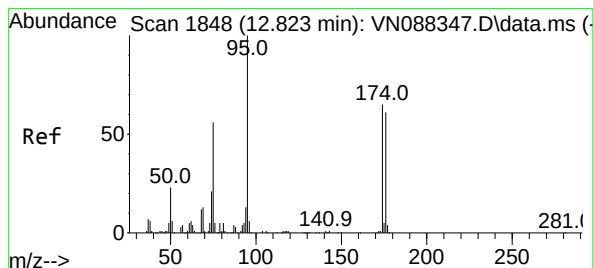
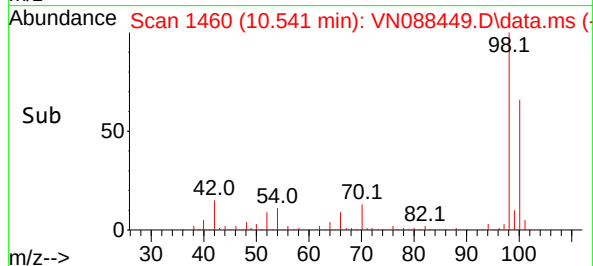
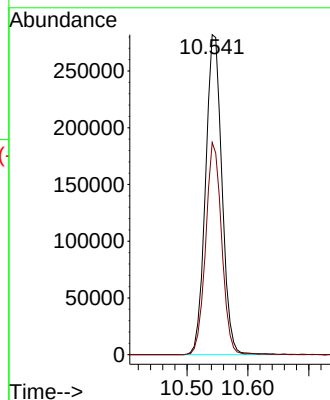
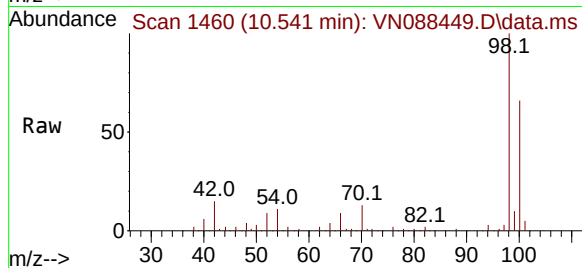
TB01-120325

Tgt Ion: 98 Resp: 527723

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 52.395 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

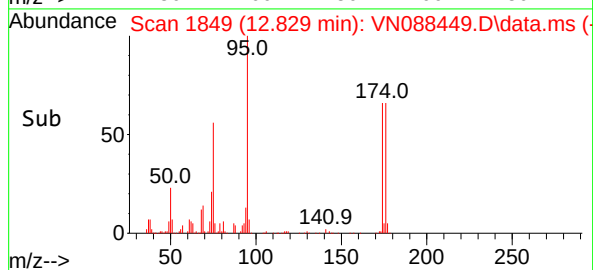
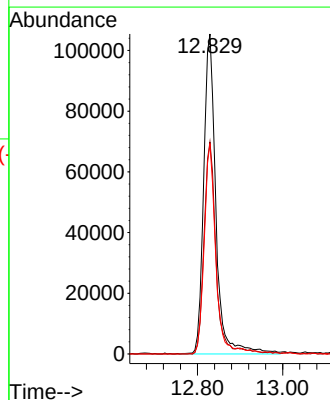
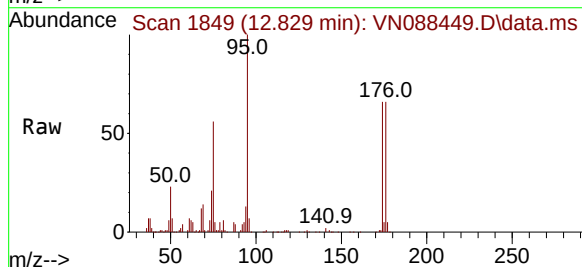
Tgt Ion: 95 Resp: 210610

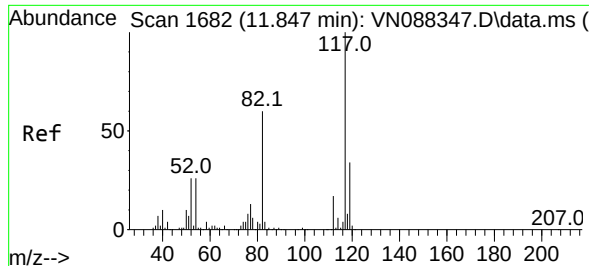
Ion Ratio Lower Upper

95 100

174 62.5 0.0 139.0

176 62.3 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

Instrument :

MSVOA\_N

ClientSampleId :

TB01-120325

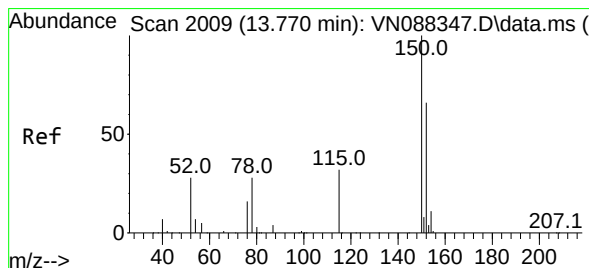
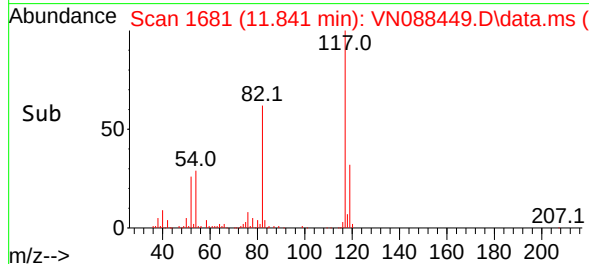
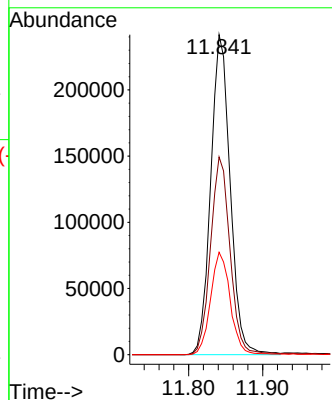
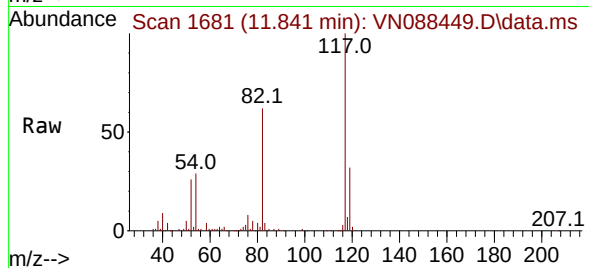
Tgt Ion:117 Resp: 441078

Ion Ratio Lower Upper

117 100

82 61.8 47.8 71.8

119 32.0 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

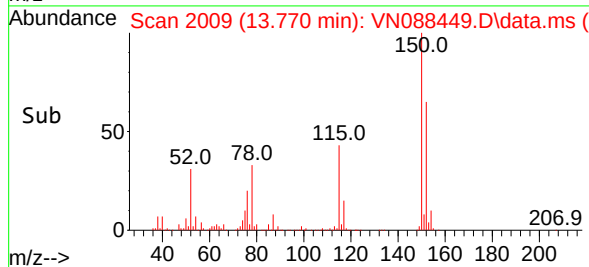
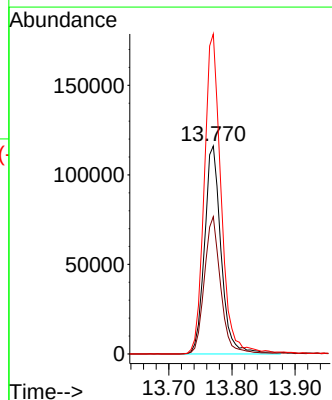
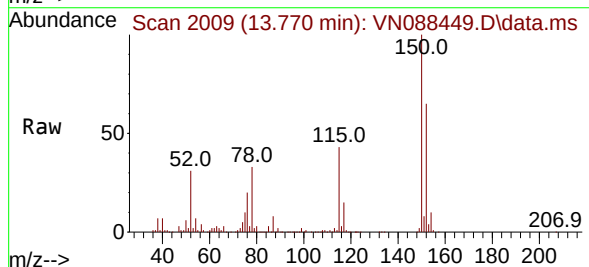
Tgt Ion:152 Resp: 211349

Ion Ratio Lower Upper

152 100

115 65.0 33.0 98.9

150 156.8 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088439.D  
Acq On : 04 Dec 2025 12:38  
Operator : JC\MD  
Sample : VN1204WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1204WBL01

Quant Time: Dec 05 00:12:44 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 236600   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 556948   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 555675   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 258091   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 275126   | 61.728   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 123.460% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 196090   | 50.805   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.620% |
| 50) Toluene-d8              | 10.541 | 98    | 670134   | 46.664   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 93.320%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 246023   | 49.929   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 99.860%  |

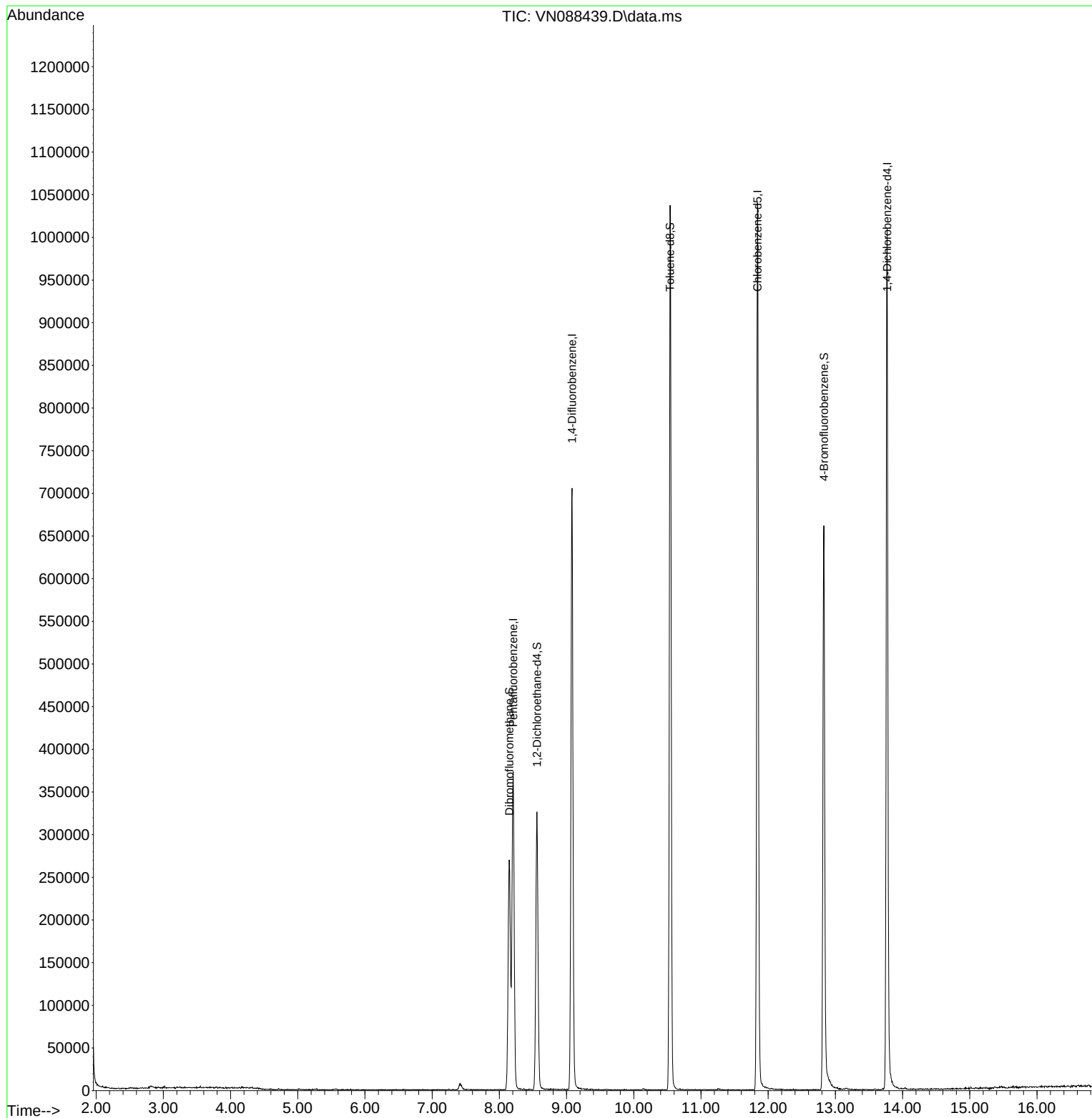
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

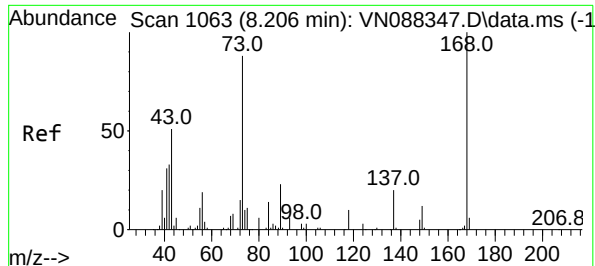
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088439.D  
Acq On : 04 Dec 2025 12:38  
Operator : JC\MD  
Sample : VN1204WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1204WBL01

Quant Time: Dec 05 00:12:44 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

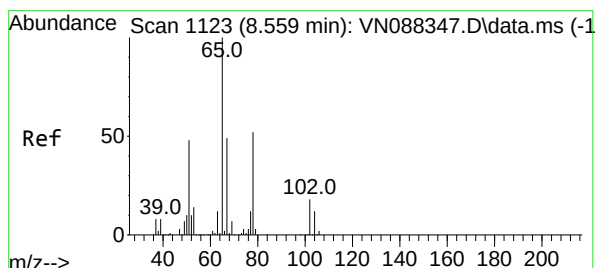
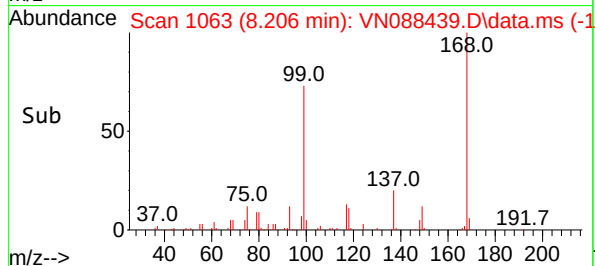
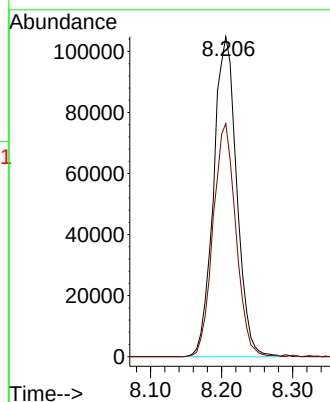
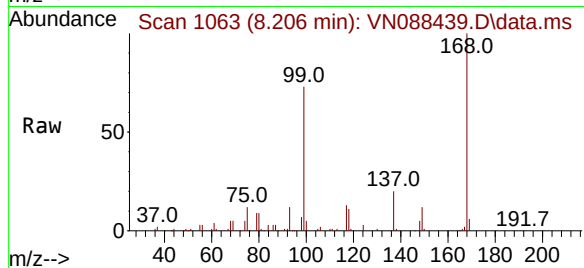




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.000 min  
Lab File: VN088439.D  
Acq: 04 Dec 2025 12:38

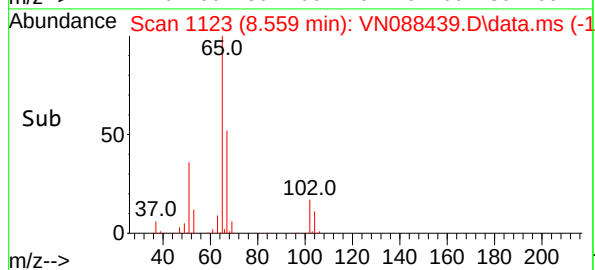
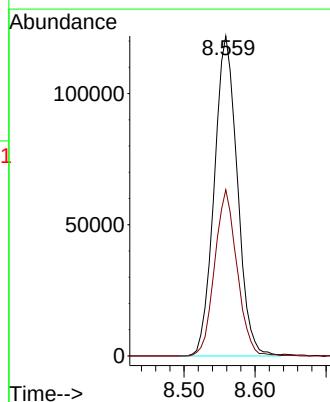
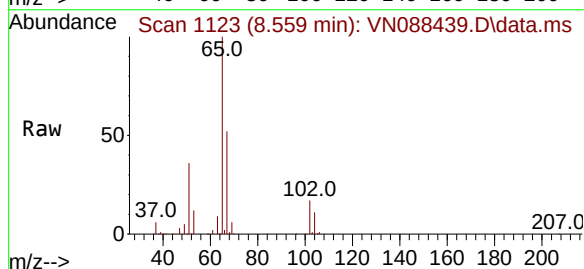
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1204WBL01

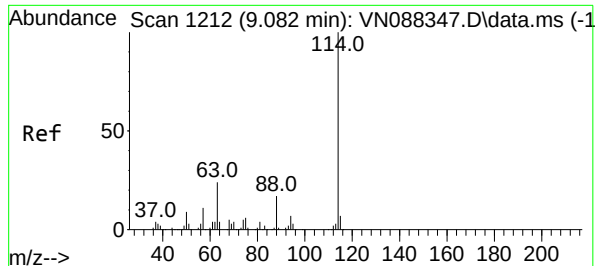
Tgt Ion:168 Resp: 236600  
Ion Ratio Lower Upper  
168 100  
99 72.9 57.1 85.7



#33  
1,2-Dichloroethane-d4  
Concen: 61.728 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN088439.D  
Acq: 04 Dec 2025 12:38

Tgt Ion: 65 Resp: 275126  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN1204WBL01

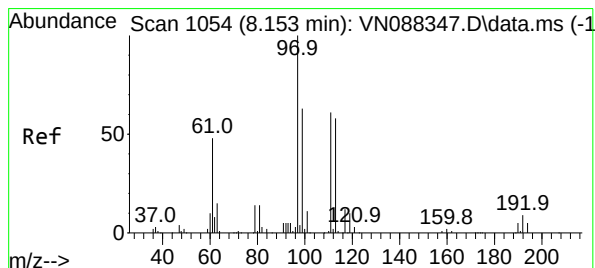
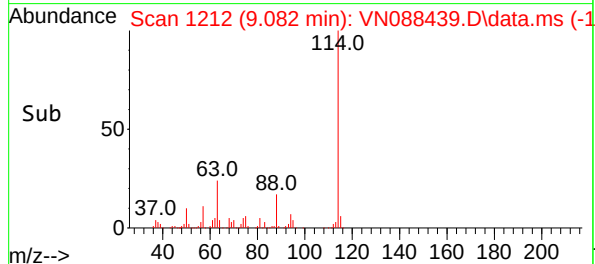
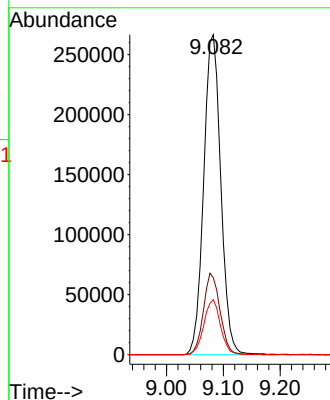
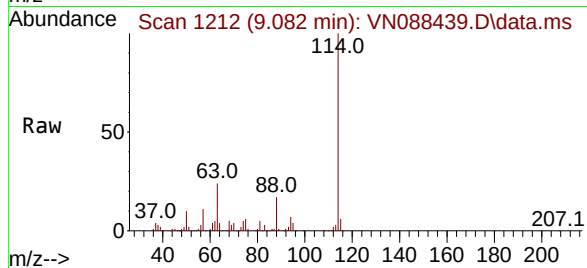
Tgt Ion:114 Resp: 556948

Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.0

88 17.2 0.0 34.0



#35

Dibromofluoromethane

Concen: 50.805 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

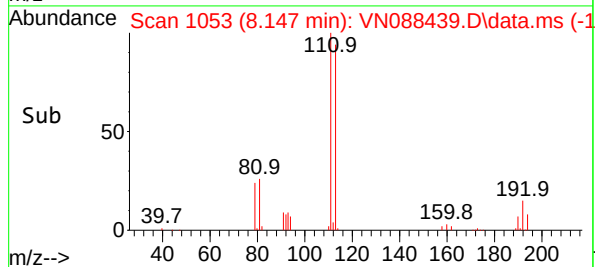
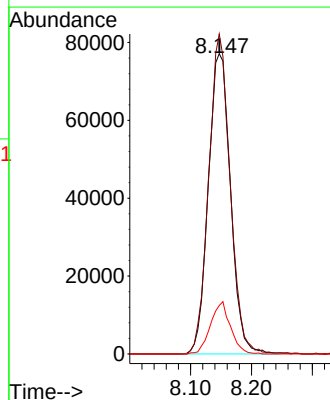
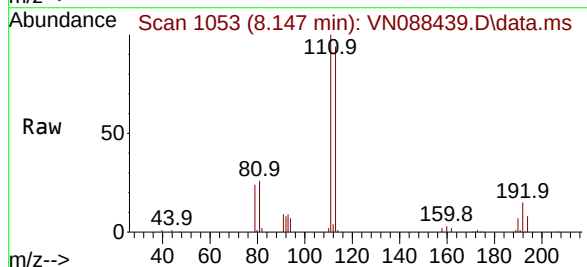
Tgt Ion:113 Resp: 196090

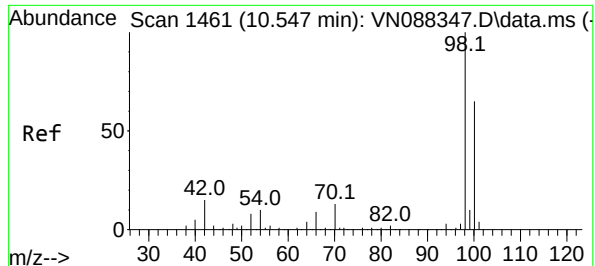
Ion Ratio Lower Upper

113 100

111 102.2 82.5 123.7

192 15.6 12.8 19.2





#50

Toluene-d8

Concen: 46.664 ug/l

RT: 10.541 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

Instrument :

MSVOA\_N

ClientSampleId :

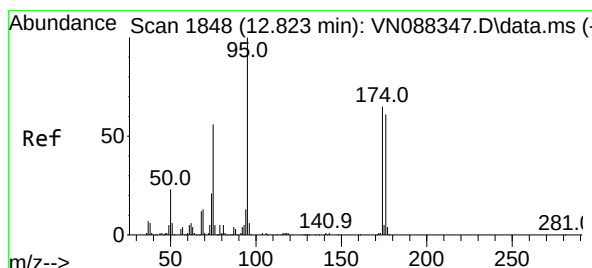
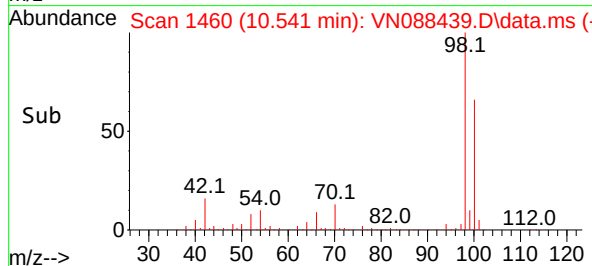
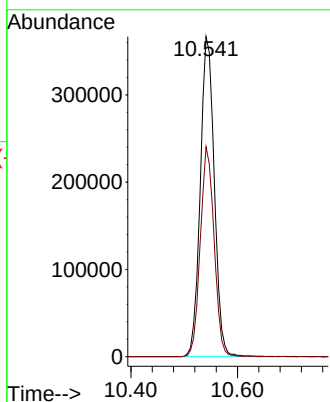
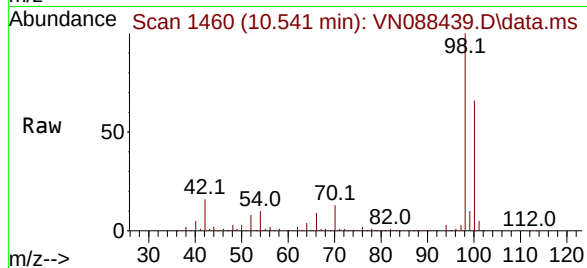
VN1204WBL01

Tgt Ion: 98 Resp: 670134

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.929 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

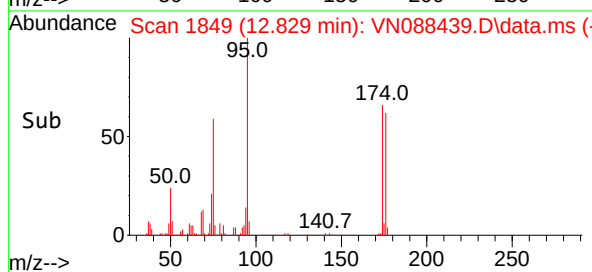
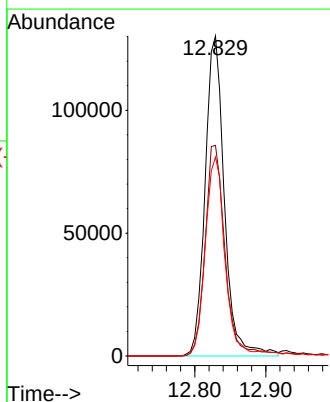
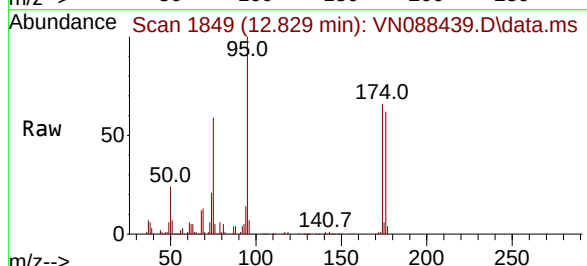
Tgt Ion: 95 Resp: 246023

Ion Ratio Lower Upper

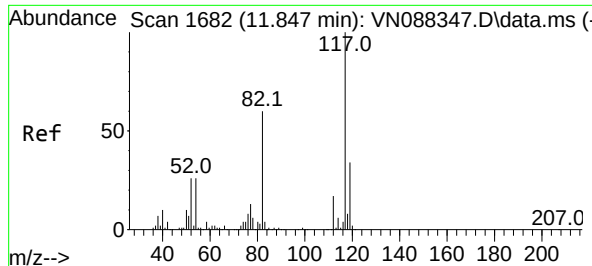
95 100

174 68.9 0.0 139.0

176 62.6 0.0 132.4







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VN1204WBL01

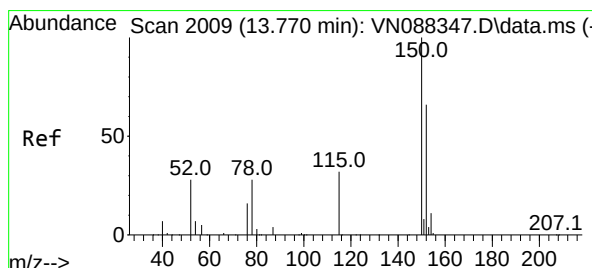
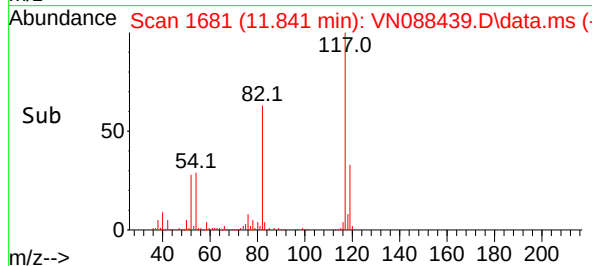
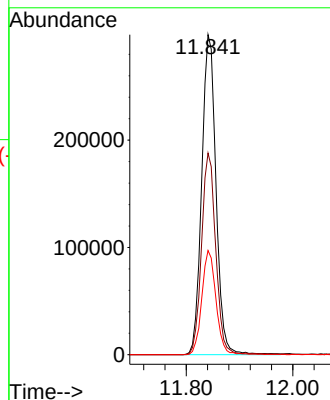
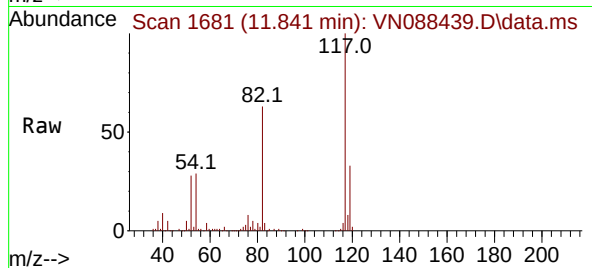
Tgt Ion:117 Resp: 555675

Ion Ratio Lower Upper

117 100

82 63.0 47.8 71.8

119 32.6 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. -0.000 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

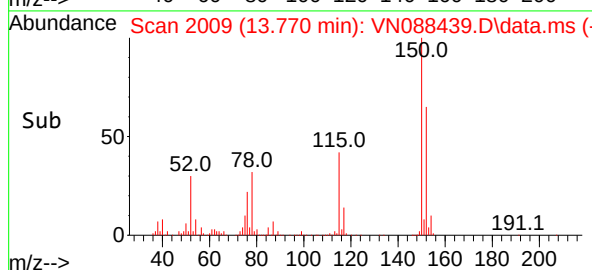
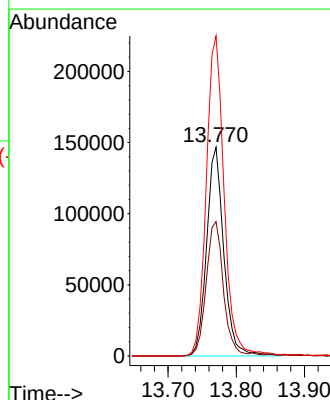
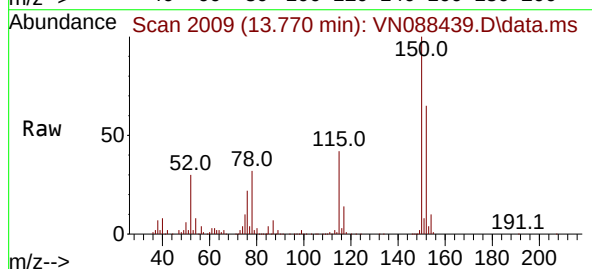
Tgt Ion:152 Resp: 258091

Ion Ratio Lower Upper

152 100

115 64.9 33.0 98.9

150 158.8 0.0 349.0



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
 Data File : VX048725.D  
 Acq On : 05 Dec 2025 10:34  
 Operator : JC/MD  
 Sample : VX1205WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1205WBL01

Quant Time: Dec 05 21:59:18 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.532  | 168   | 193187   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.739  | 114   | 291151   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.037 | 117   | 294164   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.006 | 152   | 130501   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.928  | 65    | 131204   | 50.601   | ug/l       | -0.01    |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 101.200% |          |
| 35) Dibromofluoromethane    | 5.367  | 113   | 99604    | 49.686   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 99.380%  |          |
| 50) Toluene-d8              | 8.629  | 98    | 356802   | 50.775   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 101.560% |          |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 146671   | 60.529   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 121.060% |          |

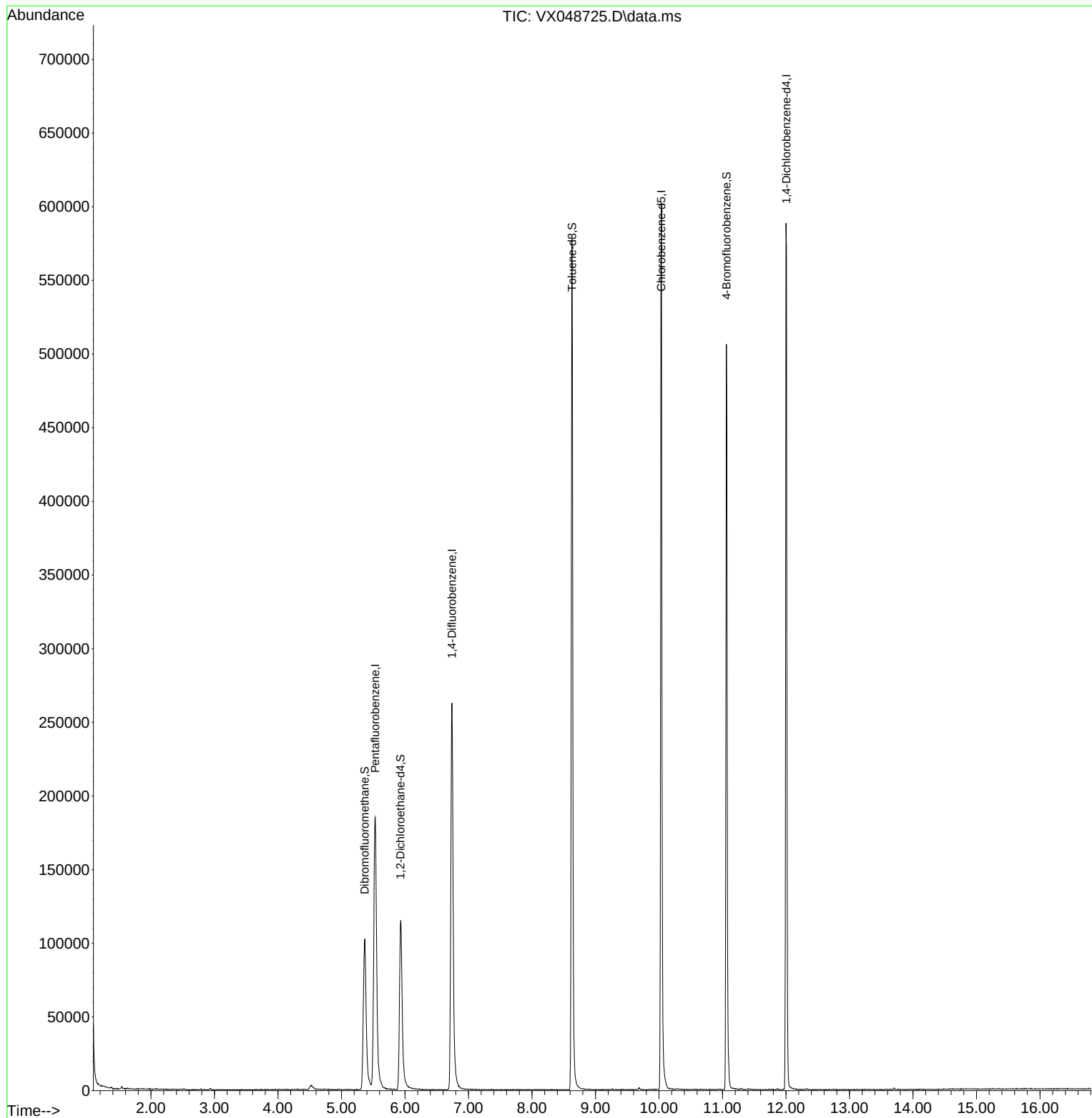
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

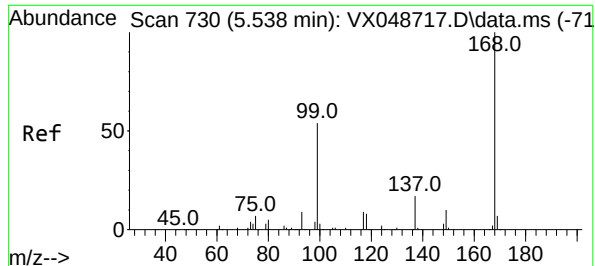
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
Data File : VX048725.D  
Acq On : 05 Dec 2025 10:34  
Operator : JC/MD  
Sample : VX1205WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1205WBL01

Quant Time: Dec 05 21:59:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration

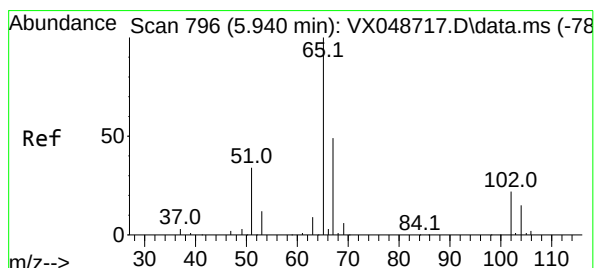
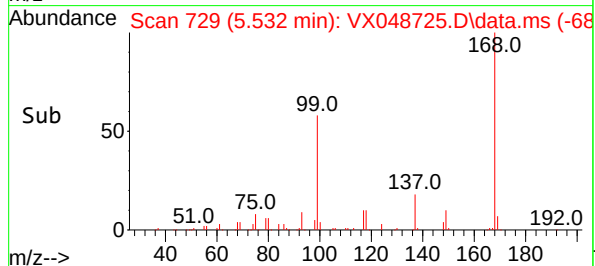
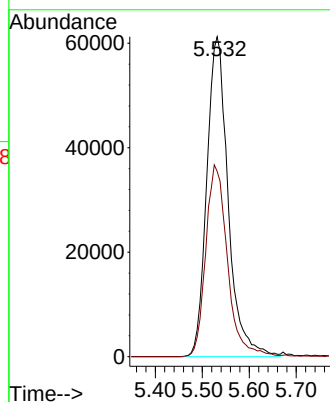
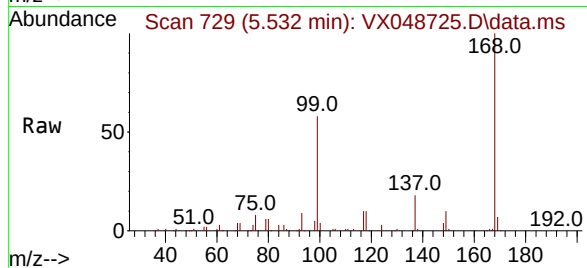




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.532 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX048725.D  
Acq: 05 Dec 2025 10:34

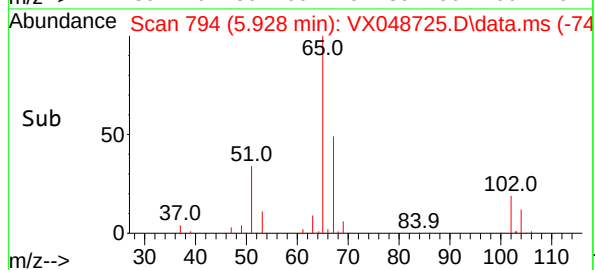
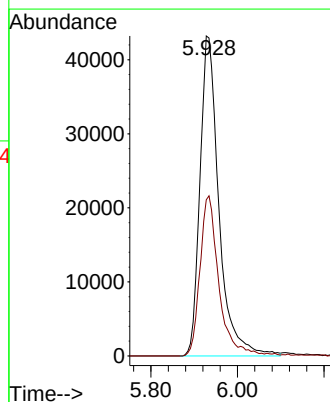
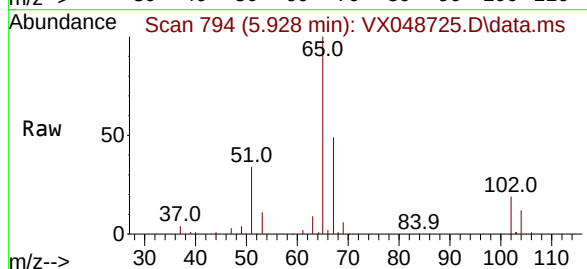
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1205WBL01

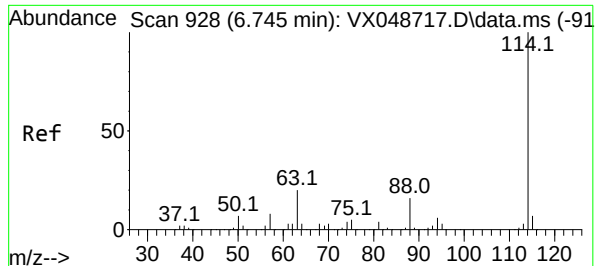
Tgt Ion:168 Resp: 193187  
Ion Ratio Lower Upper  
168 100  
99 57.9 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 50.601 ug/l  
RT: 5.928 min Scan# 794  
Delta R.T. -0.012 min  
Lab File: VX048725.D  
Acq: 05 Dec 2025 10:34

Tgt Ion: 65 Resp: 131204  
Ion Ratio Lower Upper  
65 100  
67 49.6 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

Instrument :

MSVOA\_X

ClientSampleId :

VX1205WBL01

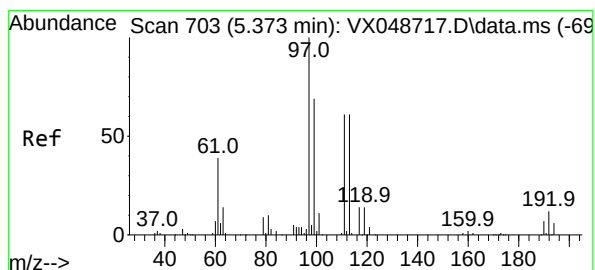
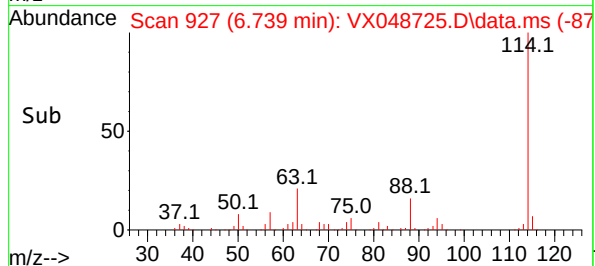
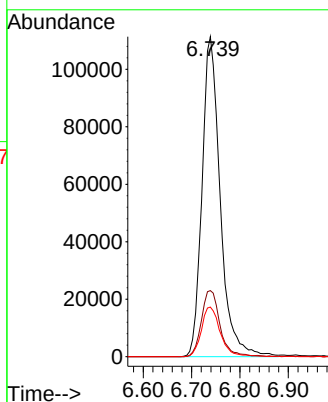
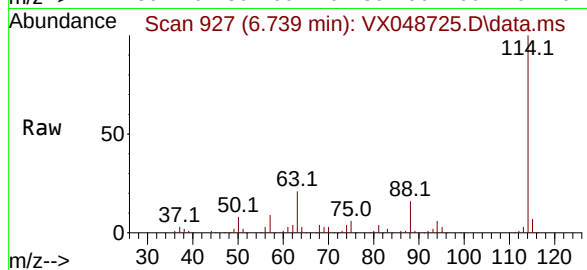
Tgt Ion:114 Resp: 291151

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.686 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

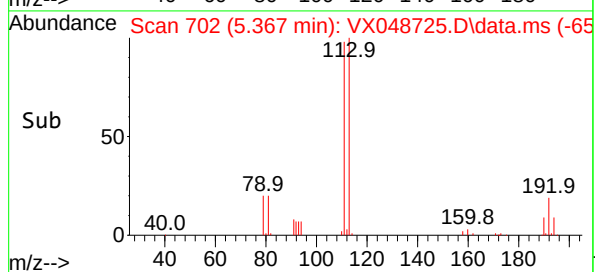
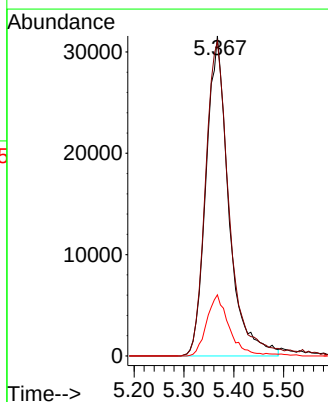
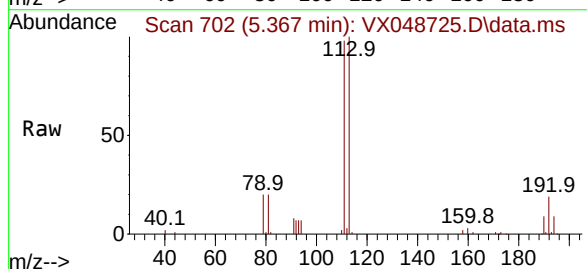
Tgt Ion:113 Resp: 99604

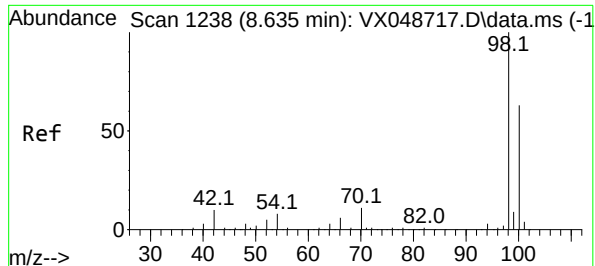
Ion Ratio Lower Upper

113 100

111 103.4 79.5 119.3

192 18.7 16.1 24.1





#50

Toluene-d8

Concen: 50.775 ug/l

RT: 8.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

Instrument :

MSVOA\_X

ClientSampleId :

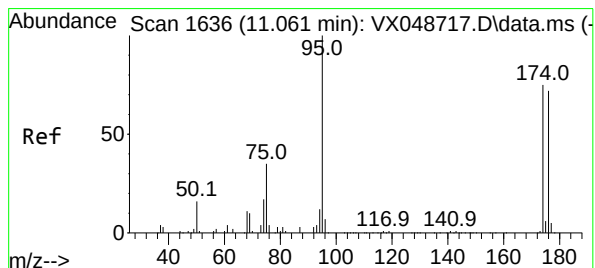
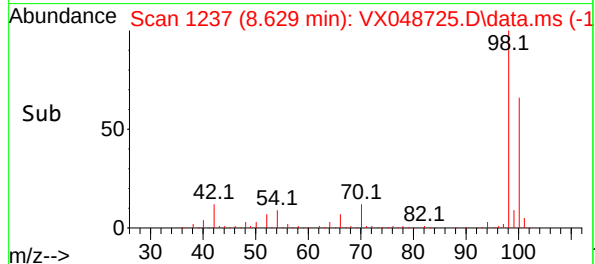
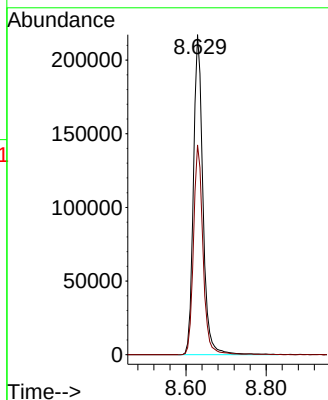
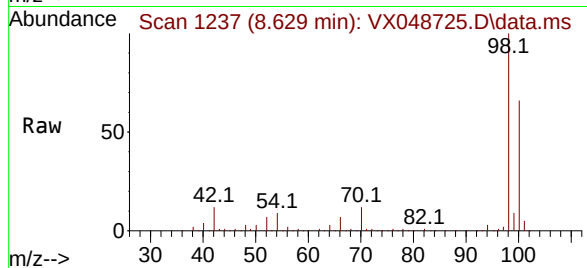
VX1205WBL01

Tgt Ion: 98 Resp: 356802

Ion Ratio Lower Upper

98 100

100 65.3 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 60.529 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

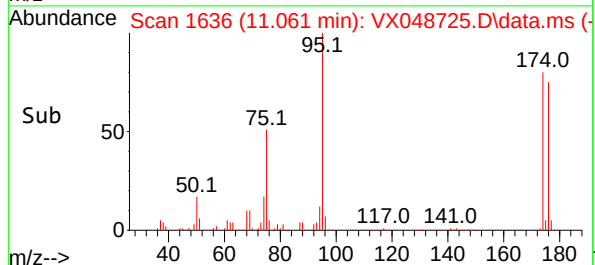
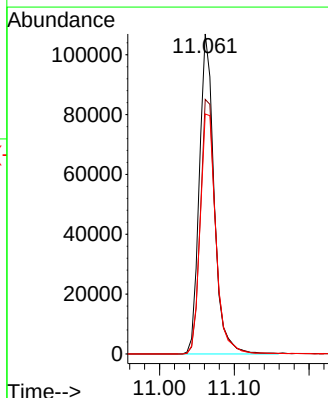
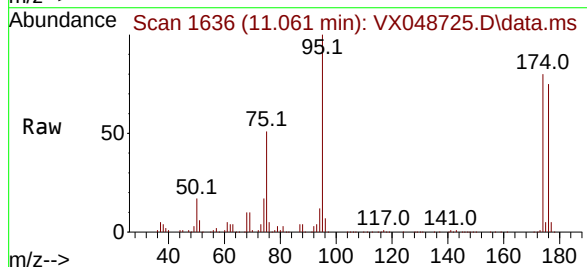
Tgt Ion: 95 Resp: 146671

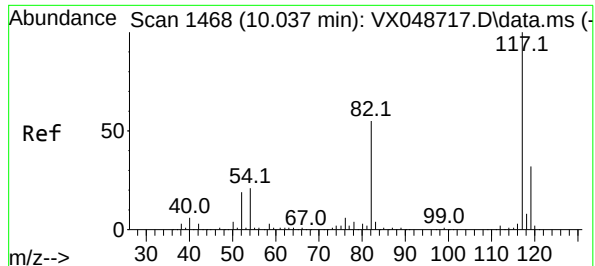
Ion Ratio Lower Upper

95 100

174 82.3 0.0 157.8

176 79.8 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

Instrument :

MSVOA\_X

ClientSampleId :

VX1205WBL01

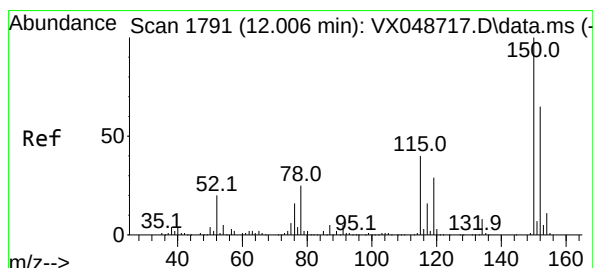
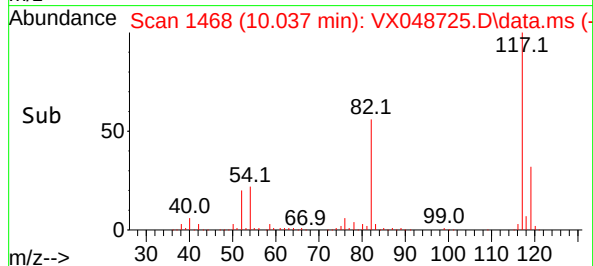
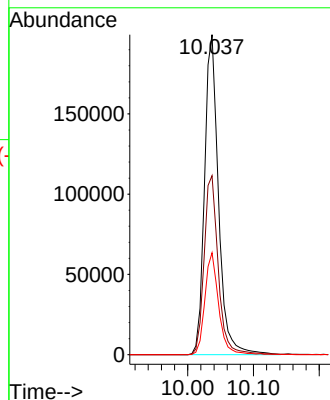
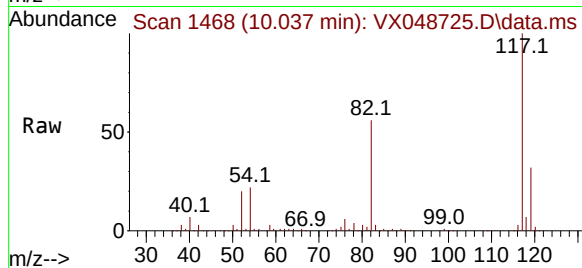
Tgt Ion:117 Resp: 294164

Ion Ratio Lower Upper

117 100

82 56.0 44.1 66.1

119 31.9 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

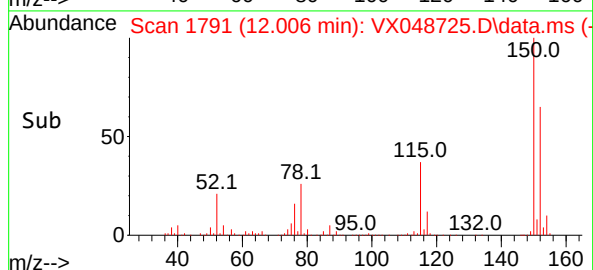
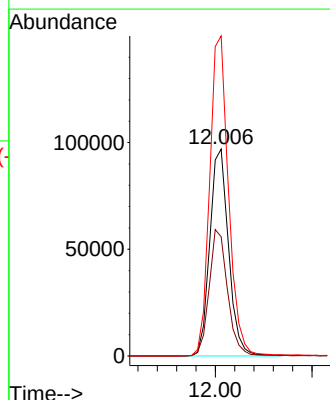
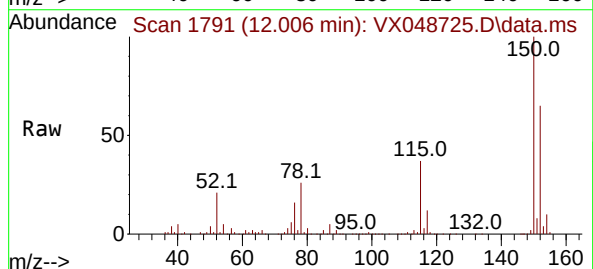
Tgt Ion:152 Resp: 130501

Ion Ratio Lower Upper

152 100

115 60.2 42.1 126.4

150 155.0 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120825\  
Data File : VX048744.D  
Acq On : 08 Dec 2025 11:15  
Operator : JC/MD  
Sample : VX1208WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1208WBL01

Quant Time: Dec 09 04:06:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.531  | 168  | 173343   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.739  | 114  | 340953   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 370451   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 179749   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.934  | 65    | 115181   | 49.507   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 99.020%  |
| 35) Dibromofluoromethane    | 5.361  | 113   | 107991   | 46.001   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 92.000%  |
| 50) Toluene-d8              | 8.629  | 98    | 372131   | 45.222   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 90.440%# |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 158378   | 55.813   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 111.620% |

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

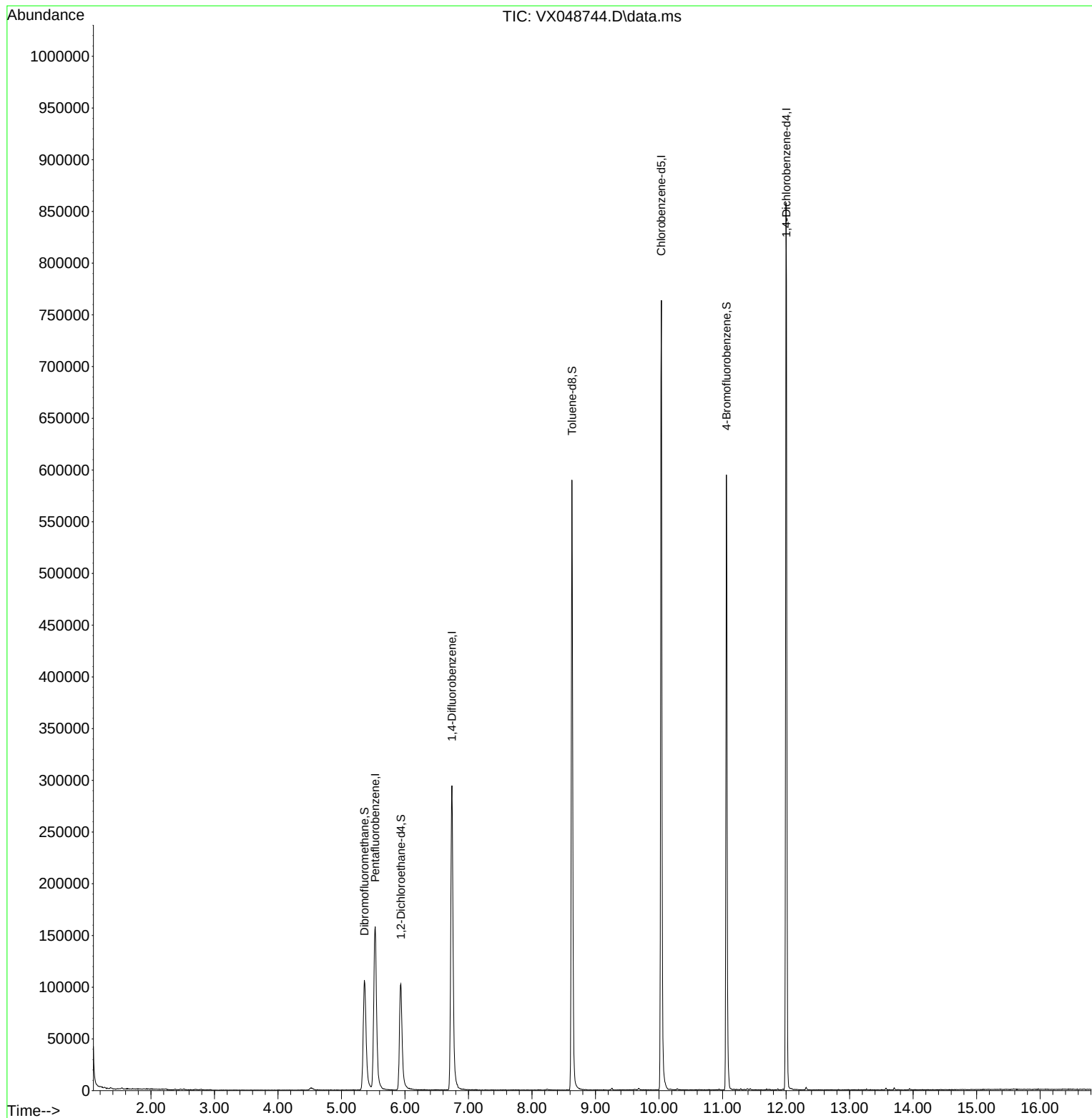
(#) = qualifier out of range (m) = manual integration (+) = signals summed

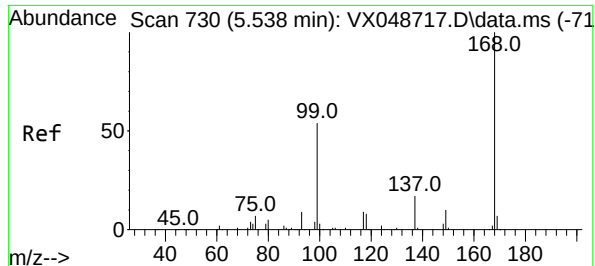


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120825\  
Data File : VX048744.D  
Acq On : 08 Dec 2025 11:15  
Operator : JC/MD  
Sample : VX1208WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1208WBL01

Quant Time: Dec 09 04:06:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration

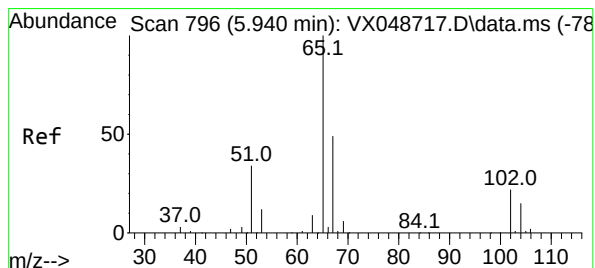
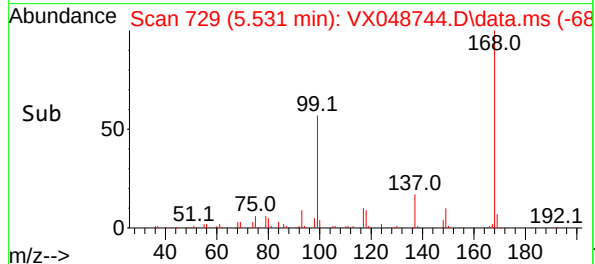
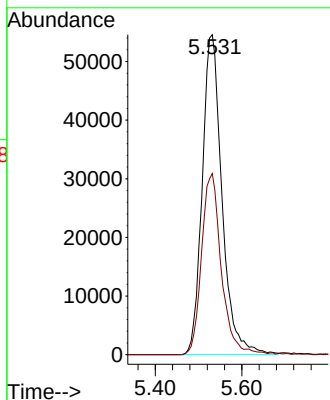
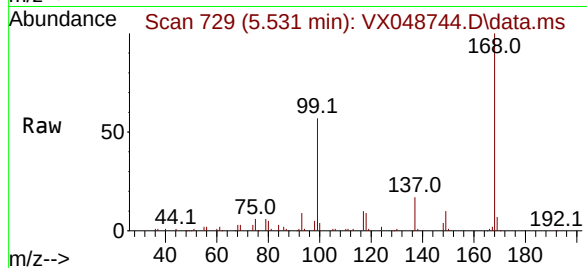




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.531 min Scan# 71  
Delta R.T. -0.007 min  
Lab File: VX048744.D  
Acq: 08 Dec 2025 11:15

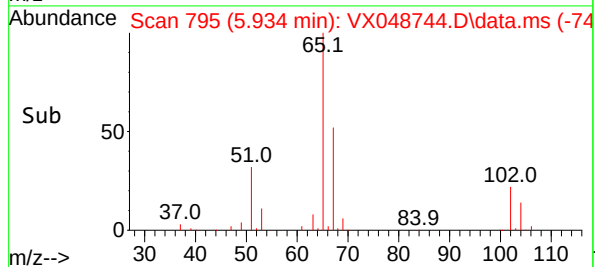
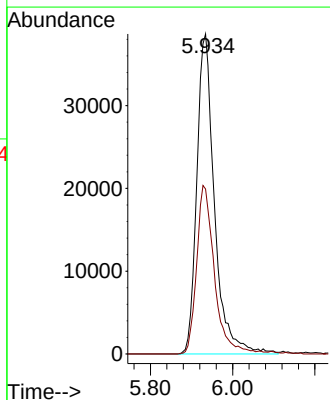
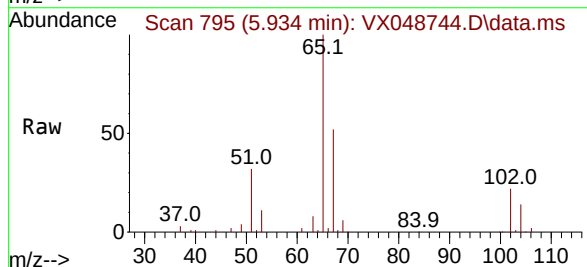
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1208WBL01

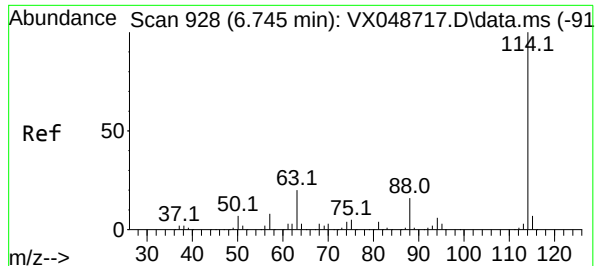
Tgt Ion:168 Resp: 173343  
Ion Ratio Lower Upper  
168 100  
99 56.6 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 49.507 ug/l  
RT: 5.934 min Scan# 795  
Delta R.T. -0.006 min  
Lab File: VX048744.D  
Acq: 08 Dec 2025 11:15

Tgt Ion: 65 Resp: 115181  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

Instrument :

MSVOA\_X

ClientSampleId :

VX1208WBL01

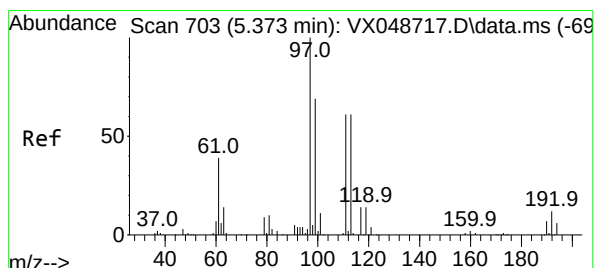
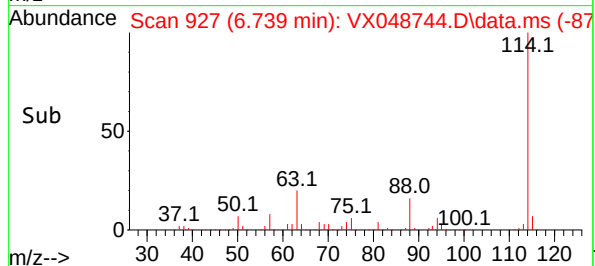
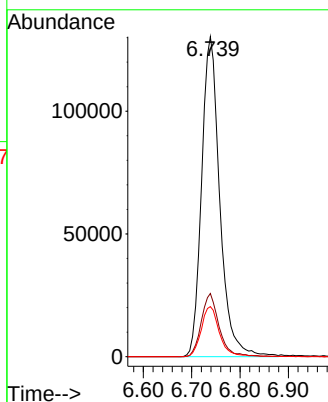
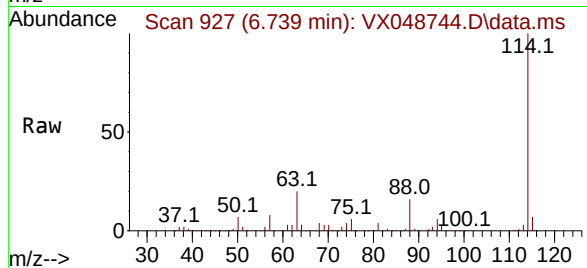
Tgt Ion:114 Resp: 340953

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.001 ug/l

RT: 5.361 min Scan# 701

Delta R.T. -0.012 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

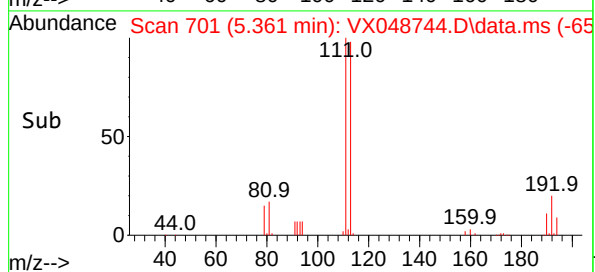
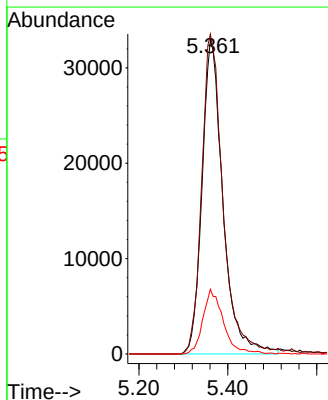
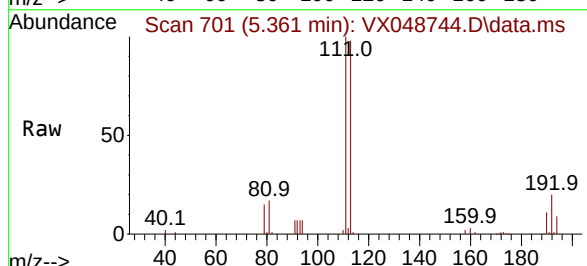
Tgt Ion:113 Resp: 107991

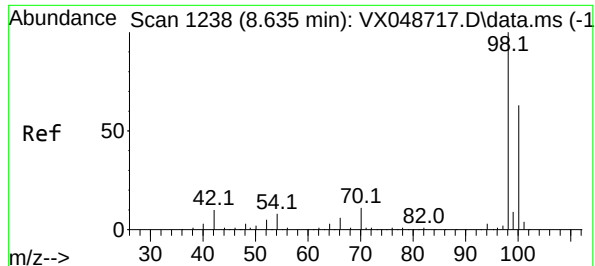
Ion Ratio Lower Upper

113 100

111 102.8 79.5 119.3

192 20.1 16.1 24.1





#50

Toluene-d8

Concen: 45.222 ug/l

RT: 8.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

Instrument :

MSVOA\_X

ClientSampleId :

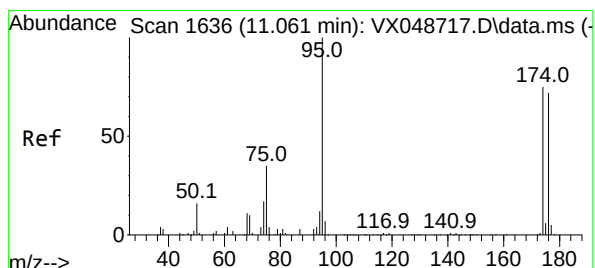
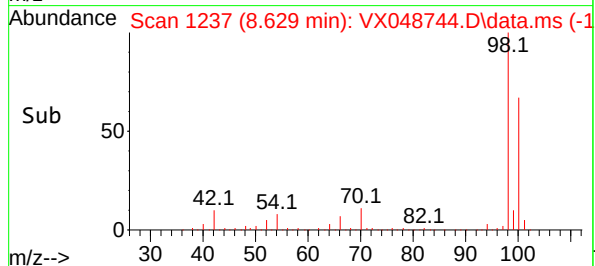
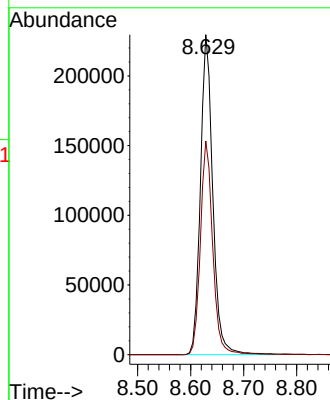
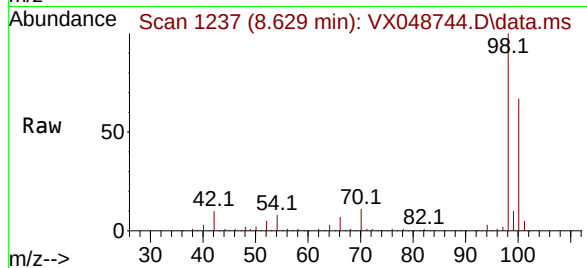
VX1208WBL01

Tgt Ion: 98 Resp: 372131

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 55.813 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

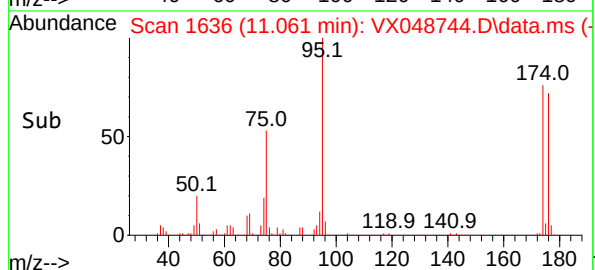
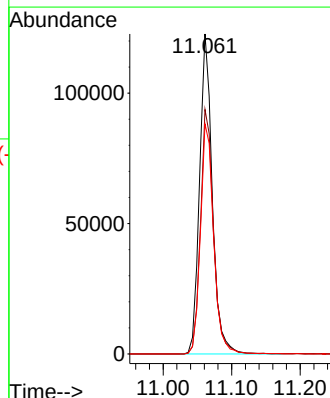
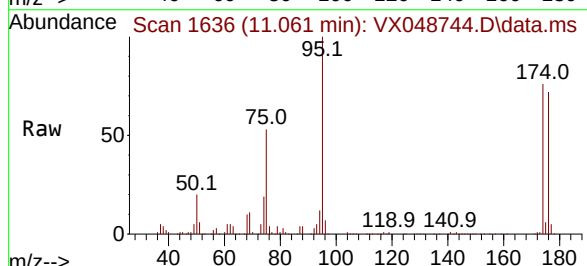
Tgt Ion: 95 Resp: 158378

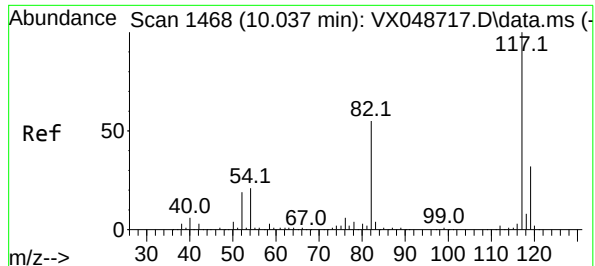
Ion Ratio Lower Upper

95 100

174 78.8 0.0 157.8

176 74.8 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

Instrument :

MSVOA\_X

ClientSampleId :

VX1208WBL01

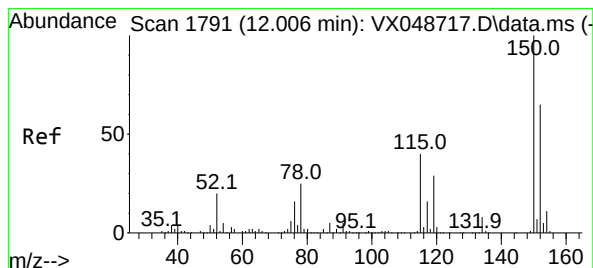
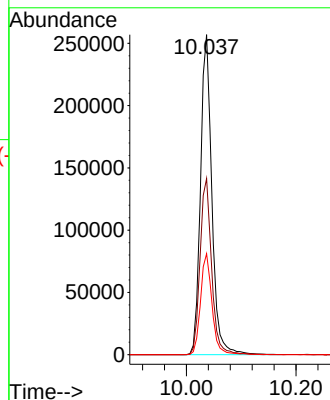
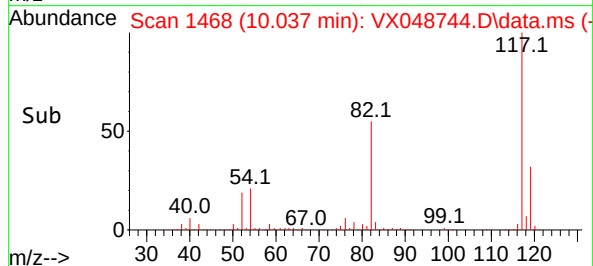
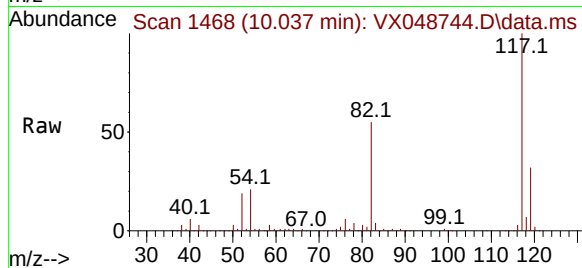
Tgt Ion:117 Resp: 370451

Ion Ratio Lower Upper

117 100

82 55.1 44.1 66.1

119 31.5 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

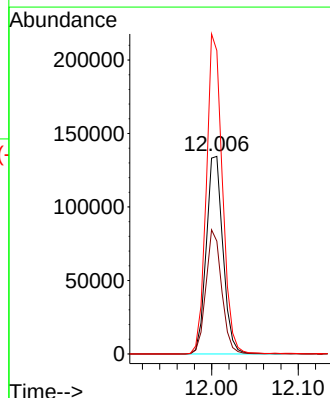
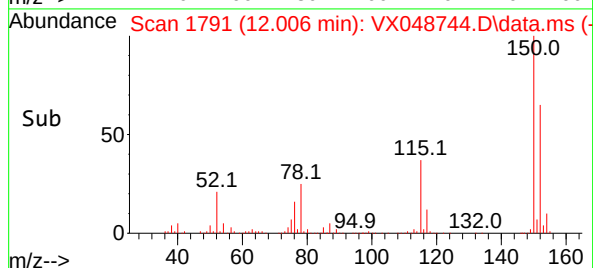
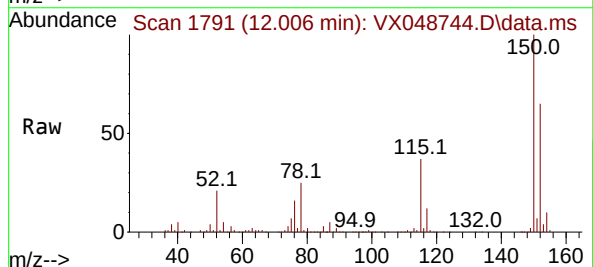
Tgt Ion:152 Resp: 179749

Ion Ratio Lower Upper

152 100

115 59.4 42.1 126.4

150 155.9 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
 Data File : VN088443.D  
 Acq On : 04 Dec 2025 14:12  
 Operator : JC\MD  
 Sample : VN1204WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1204WBS01

### Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025  
 Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:14:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 303745              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.077          | 114  | 559564              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 491842              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 237731              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 307567              | 53.752  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 107.500% |         |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 196606              | 50.701  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 101.400% |         |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 745425              | 51.664  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 103.320% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.823         | 95   | 269159              | 54.369  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 108.740% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 97797               | 21.436  | ug/l   | 93       |
| 3) Chloromethane             | 2.383          | 50   | 93145               | 19.009  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.536          | 62   | 100990              | 20.259  | ug/l   | 100      |
| 5) Bromomethane              | 2.983          | 94   | 46454               | 19.362  | ug/l   | 91       |
| 6) Chloroethane              | 3.142          | 64   | 62589               | 20.289  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 150074              | 21.421  | ug/l   | 95       |
| 8) Diethyl Ether             | 3.959          | 74   | 53546               | 20.363  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 78946               | 21.166  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.583          | 142  | 63657               | 17.241  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 5.506          | 59   | 76083               | 83.283  | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 75627               | 20.408  | ug/l   | 96       |
| 13) Acrolein                 | 4.183          | 56   | 95364               | 109.036 | ug/l   | 98       |
| 14) Allyl chloride           | 5.012          | 41   | 131363              | 19.125  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.706          | 53   | 244233              | 92.662  | ug/l   | 99       |
| 16) Acetone                  | 4.424          | 43   | 183497              | 88.674  | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.712          | 76   | 223379              | 18.447  | ug/l   | 96       |
| 18) Methyl Acetate           | 5.018          | 43   | 120530              | 19.567  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.783          | 73   | 272930              | 19.658  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.265          | 84   | 81214               | 18.343  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.777          | 96   | 79259               | 19.308  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.659          | 45   | 293315              | 20.002  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.588          | 43   | 1278749             | 108.235 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 162999              | 19.628  | ug/l   | 97       |
| 25) 2-Butanone               | 7.465          | 43   | 310201              | 93.245  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 150702              | 21.025  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.471          | 96   | 90646               | 19.000  | ug/l   | 96       |
| 28) Bromochloromethane       | 7.794          | 49   | 70911               | 17.142  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.818          | 42   | 228135              | 95.607  | ug/l   | 98       |
| 30) Chloroform               | 7.953          | 83   | 165040              | 20.226  | ug/l   | 100      |
| 31) Cyclohexane              | 8.241          | 56   | 151560              | 20.140  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 148393              | 20.683  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 116928              | 19.538  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.547          | 43   | 137369              | 17.457  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 123356              | 20.706  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.582          | 83   | 125506              | 19.606  | ug/l   | 90       |
| 40) Benzene                  | 8.582          | 78   | 339466              | 19.326  | ug/l   | 99       |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
 Data File : VN088443.D  
 Acq On : 04 Dec 2025 14:12  
 Operator : JC\MD  
 Sample : VN1204WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1204WBS01

### Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025  
 Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:14:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 74031    | 18.995  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.647  | 62   | 139506   | 20.817  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 224127   | 18.642  | ug/l   | 99       |
| 44) Trichloroethene           | 9.329  | 130  | 76077    | 18.330  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 87062    | 19.346  | ug/l   | 99       |
| 46) Dibromomethane            | 9.688  | 93   | 62387    | 19.425  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.865  | 83   | 130611   | 19.931  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.659  | 41   | 104044   | 18.966  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.677  | 88   | 21834    | 312.972 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 704216   | 99.372  | ug/l   | 100      |
| 52) Toluene                   | 10.606 | 92   | 205014   | 20.214  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 131896   | 19.609  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 137564   | 19.447  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 77993    | 19.876  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 122489   | 19.761  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 141160   | 19.940  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.135 | 63   | 316457   | 88.556  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.176 | 43   | 422202   | 94.573  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.335 | 129  | 89380    | 19.980  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 78746    | 19.817  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.082 | 164  | 70474    | 18.074  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.870 | 112  | 218454   | 19.774  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 72384    | 19.426  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.941 | 91   | 390956   | 20.247  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.047 | 106  | 286124   | 39.966  | ug/l   | 96       |
| 69) o-Xylene                  | 12.370 | 106  | 139831   | 20.487  | ug/l   | 99       |
| 70) Styrene                   | 12.388 | 104  | 232254   | 20.957  | ug/l   | 99       |
| 71) Bromoform                 | 12.553 | 173  | 55870    | 20.471  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.670 | 105  | 360370   | 20.502  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.688 | 43   | 116340m  | 19.435  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.912 | 83   | 112119   | 19.731  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 113577m  | 20.398  | ug/l   |          |
| 77) Bromobenzene              | 12.953 | 156  | 82378    | 20.483  | ug/l   | 99       |
| 78) n-propylbenzene           | 13.012 | 91   | 452912   | 21.062  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 273041   | 20.792  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 301838   | 20.723  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.723 | 75   | 35744    | 18.212  | ug/l # | 91       |
| 82) 4-Chlorotoluene           | 13.194 | 91   | 286032   | 21.930  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.412 | 119  | 261764   | 21.141  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 312793   | 21.606  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 375613   | 21.117  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 306028   | 20.981  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 154606   | 19.748  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 162379   | 19.800  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.029 | 91   | 297476   | 21.005  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.306 | 117  | 52252    | 19.610  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 147868   | 20.071  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 28137    | 20.408  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 83932    | 19.174  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 28512    | 18.126  | ug/l   | 97       |
| 95) Naphthalene               | 15.611 | 128  | 307489   | 20.271  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 83257    | 19.543  | ug/l   | 99       |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088443.D  
Acq On : 04 Dec 2025 14:12  
Operator : JC\MD  
Sample : VN1204WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1204WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/05/2025  
Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:14:59 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

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

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



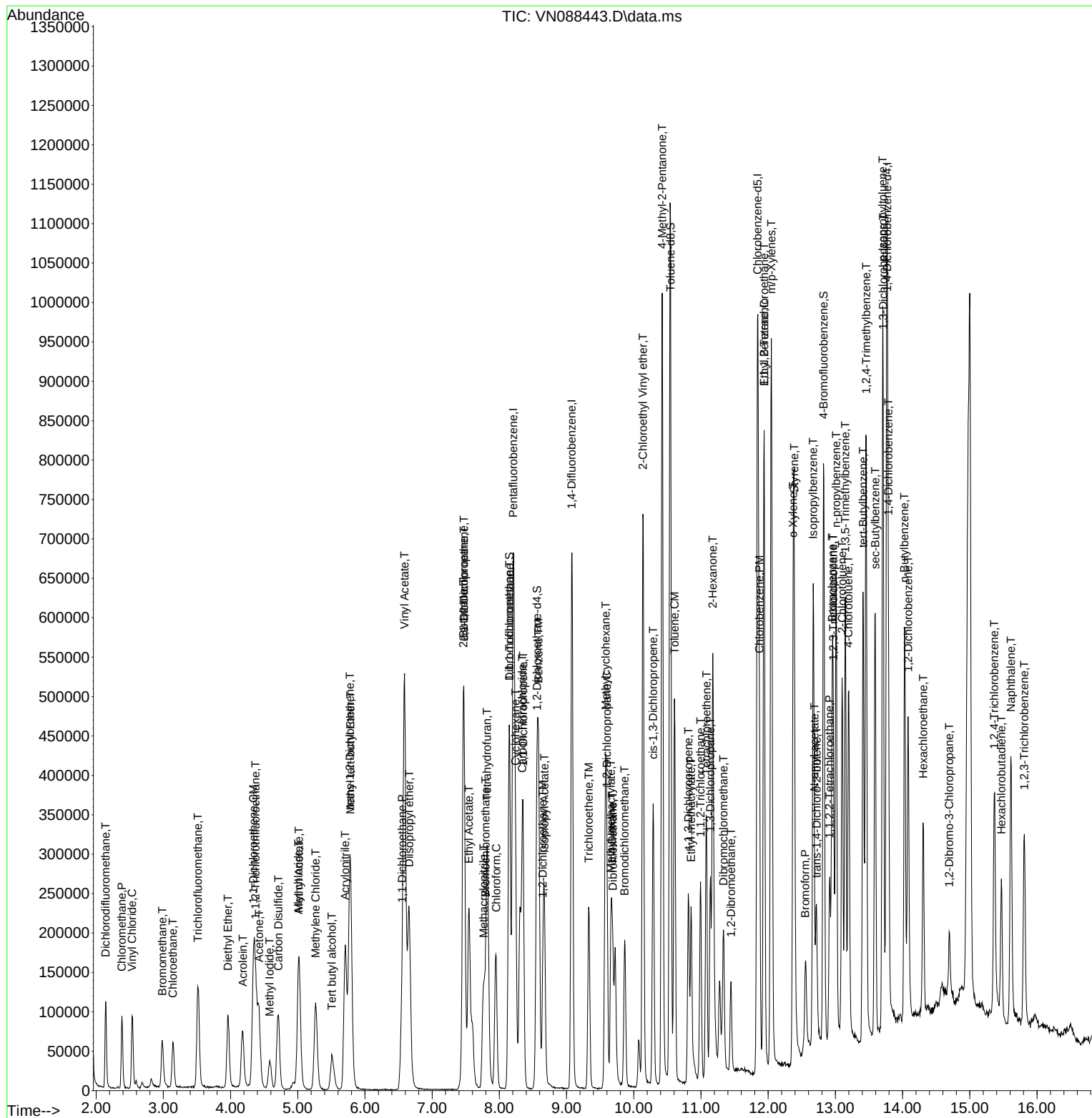
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
 Data File : VN088443.D  
 Acq On : 04 Dec 2025 14:12  
 Operator : JC\MD  
 Sample : VN1204WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1204WBS01

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/05/2025  
 Supervised By : Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:14:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
 Data File : VX048726.D  
 Acq On : 05 Dec 2025 11:31  
 Operator : JC/MD  
 Sample : VX1205WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1205WBS01

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/08/2025  
 Supervised By : Semsettin Yesilyurt 12/08/2025

Quant Time: Dec 05 21:59:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.525  | 168  | 179194   | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 6.739  | 114  | 293931   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 269397   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 132992   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |            |       |
|---------------------------|--------|-------|----------|----------|------------|-------|
| 33) 1,2-Dichloroethane-d4 | 5.934  | 65    | 125979   | 52.380   | ug/l       | 0.00  |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | = 104.760% |       |
| 35) Dibromofluoromethane  | 5.361  | 113   | 97103    | 47.980   | ug/l       | -0.01 |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | = 95.960%  |       |
| 50) Toluene-d8            | 8.629  | 98    | 352069   | 49.628   | ug/l       | 0.00  |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | = 99.260%  |       |
| 62) 4-Bromofluorobenzene  | 11.061 | 95    | 128406   | 52.490   | ug/l       | 0.00  |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | = 104.980% |       |

### Target Compounds

|                              |       |     |        |         |        | Qvalue |
|------------------------------|-------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.173 | 85  | 41863  | 22.929  | ug/l   | 96     |
| 3) Chloromethane             | 1.301 | 50  | 44995  | 19.530  | ug/l   | 97     |
| 4) Vinyl Chloride            | 1.380 | 62  | 39598  | 16.138  | ug/l   | 97     |
| 5) Bromomethane              | 1.618 | 94  | 28574  | 18.844  | ug/l   | 97     |
| 6) Chloroethane              | 1.697 | 64  | 24297  | 15.910  | ug/l   | 92     |
| 7) Trichlorofluoromethane    | 1.898 | 101 | 68676  | 19.528  | ug/l   | 97     |
| 8) Diethyl Ether             | 2.130 | 74  | 23437  | 16.697  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 43147  | 21.164  | ug/l   | 99     |
| 10) Methyl Iodide            | 2.453 | 142 | 61205  | 21.087  | ug/l   | 99     |
| 11) Tert butyl alcohol       | 2.928 | 59  | 35673  | 91.869  | ug/l   | 100    |
| 12) 1,1-Dichloroethene       | 2.325 | 96  | 40443  | 19.436  | ug/l   | 99     |
| 13) Acrolein                 | 2.233 | 56  | 31115  | 109.833 | ug/l   | 100    |
| 14) Allyl chloride           | 2.660 | 41  | 71931  | 20.590  | ug/l   | 94     |
| 15) Acrylonitrile            | 3.050 | 53  | 110416 | 91.258  | ug/l   | 99     |
| 16) Acetone                  | 2.367 | 43  | 87721  | 95.274  | ug/l   | 97     |
| 17) Carbon Disulfide         | 2.514 | 76  | 125337 | 20.742  | ug/l   | 100    |
| 18) Methyl Acetate           | 2.697 | 43  | 47862  | 18.476  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether  | 3.105 | 73  | 128879 | 19.031  | ug/l   | 97     |
| 20) Methylene Chloride       | 2.782 | 84  | 41148  | 17.880  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 40211  | 18.934  | ug/l   | 93     |
| 22) Diisopropyl ether        | 3.739 | 45  | 131789 | 20.185  | ug/l # | 80     |
| 23) Vinyl Acetate            | 3.709 | 43  | 567718 | 103.483 | ug/l   | 97     |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 73078  | 20.071  | ug/l   | 100    |
| 25) 2-Butanone               | 4.526 | 43  | 144944 | 106.663 | ug/l   | 91     |
| 26) 2,2-Dichloropropane      | 4.459 | 77  | 65233  | 20.249  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene   | 4.471 | 96  | 45731  | 19.082  | ug/l   | 92     |
| 28) Bromochloromethane       | 4.879 | 49  | 32271  | 18.083  | ug/l   | 94     |
| 29) Tetrahydrofuran          | 4.977 | 42  | 104631 | 100.837 | ug/l   | 95     |
| 30) Chloroform               | 5.068 | 83  | 77868  | 19.960  | ug/l   | 99     |
| 31) Cyclohexane              | 5.452 | 56  | 62885  | 19.345  | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane    | 5.361 | 97  | 69932  | 20.006  | ug/l   | 96     |
| 36) 1,1-Dichloropropene      | 5.672 | 75  | 57482  | 20.737  | ug/l   | 100    |
| 37) Ethyl Acetate            | 4.684 | 43  | 65510  | 19.779  | ug/l   | 99     |
| 38) Carbon Tetrachloride     | 5.653 | 117 | 65362  | 20.817  | ug/l   | 94     |
| 39) Methylcyclohexane        | 7.360 | 83  | 62448  | 19.052  | ug/l   | 97     |
| 40) Benzene                  | 6.019 | 78  | 153807 | 18.718  | ug/l   | 99     |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
 Data File : VX048726.D  
 Acq On : 05 Dec 2025 11:31  
 Operator : JC/MD  
 Sample : VX1205WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1205WBS01

### Manual Integrations APPROVED

Reviewed By :John Carlone 12/08/2025  
 Supervised By :Semsettin Yesilyurt 12/08/2025

Quant Time: Dec 05 21:59:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.897  | 41   | 29896    | 19.838  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.068  | 62   | 58414    | 20.085  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 6.312  | 43   | 97581    | 19.456  | ug/l   | 95       |
| 44) Trichloroethene           | 7.104  | 130  | 40756    | 19.009  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 37372    | 18.196  | ug/l   | 99       |
| 46) Dibromomethane            | 7.562  | 93   | 29281    | 18.800  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.805  | 83   | 61760    | 19.019  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.671  | 41   | 46528    | 18.442  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 11029    | 317.857 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43   | 315106   | 101.221 | ug/l   | 96       |
| 52) Toluene                   | 8.702  | 92   | 98680    | 19.915  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.958  | 75   | 61457    | 19.894  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 63144    | 19.019  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 37998    | 19.059  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 60402    | 19.356  | ug/l # | 94       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 68113    | 20.546  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.220  | 63   | 144206   | 85.498  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.409  | 43   | 255149   | 116.758 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.500  | 129  | 54125    | 21.955  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 47896    | 22.197  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.256  | 164  | 34511    | 17.575  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.061 | 112  | 109860   | 18.630  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131  | 37880    | 17.960  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 190737   | 19.822  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.281 | 106  | 154292   | 41.164  | ug/l   | 100      |
| 69) o-Xylene                  | 10.622 | 106  | 74050    | 21.083  | ug/l   | 100      |
| 70) Styrene                   | 10.634 | 104  | 126101   | 20.914  | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 34490    | 18.317  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 189027   | 21.092  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.823 | 43   | 88194    | 22.648  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 58063    | 19.201  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.220 | 75   | 56826m   | 22.941  | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 43921    | 18.361  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.287 | 91   | 218146   | 21.016  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.348 | 91   | 129011   | 20.383  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 150128   | 20.379  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 20029    | 19.207  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 153143   | 20.734  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 149901   | 19.584  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 152255   | 20.489  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.872 | 105  | 189342   | 20.411  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 158652   | 20.008  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 84489    | 19.160  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 84209    | 18.479  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.311 | 91   | 147367   | 19.849  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.518 | 117  | 30361    | 18.760  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 78982    | 18.475  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 13457    | 18.285  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 48161    | 17.057  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 21240    | 18.186  | ug/l   | 95       |
| 95) Naphthalene               | 13.756 | 128  | 154818   | 20.946  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.939 | 180  | 45023    | 17.290  | ug/l   | 97       |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
Data File : VX048726.D  
Acq On : 05 Dec 2025 11:31  
Operator : JC/MD  
Sample : VX1205WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1205WBS01

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 12/08/2025  
Supervised By :Semsettin Yesilyurt 12/08/2025

Quant Time: Dec 05 21:59:38 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration

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

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

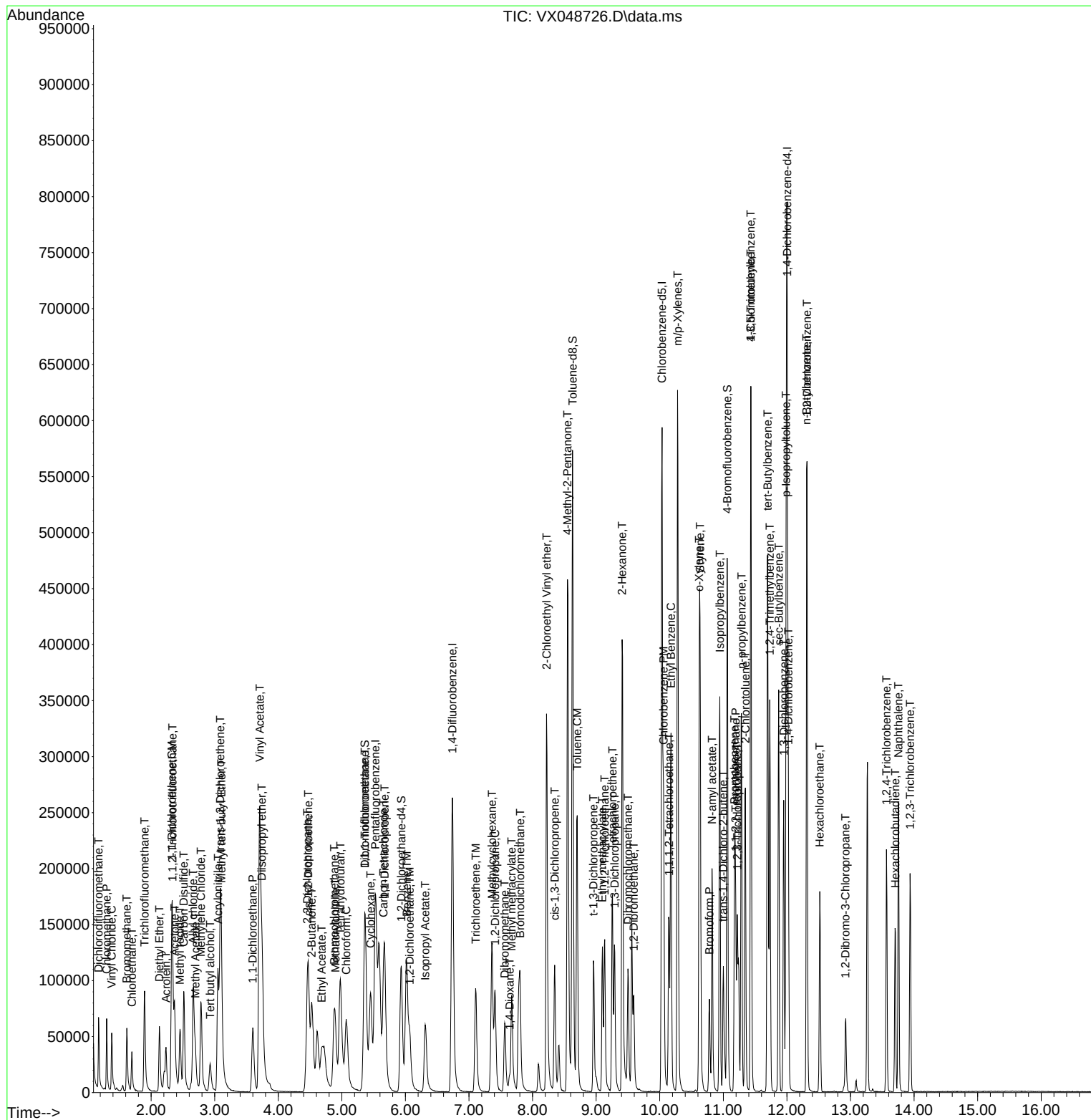
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120525\  
 Data File : VX048726.D  
 Acq On : 05 Dec 2025 11:31  
 Operator : JC/MD  
 Sample : VX1205WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1205WBS01

### Manual Integrations APPROVED

Reviewed By :John Carlone 12/08/2025  
 Supervised By :Semsettin Yesilyurt 12/08/2025

Quant Time: Dec 05 21:59:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120825\  
 Data File : VX048745.D  
 Acq On : 08 Dec 2025 11:44  
 Operator : JC/MD  
 Sample : VX1208WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1208WBS01

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/09/2025  
 Supervised By : Mahesh Dadoda 12/09/2025

Quant Time: Dec 09 04:06:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.531          | 168  | 178446              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.738          | 114  | 298973              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 311271              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.000         | 152  | 157846              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.928          | 65   | 135832              | 56.713  | ug/l   | -0.01    |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 113.420% |         |        |          |
| 35) Dibromofluoromethane     | 5.367          | 113  | 103655              | 50.354  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 100.700% |         |        |          |
| 50) Toluene-d8               | 8.628          | 98   | 364834              | 50.560  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 101.120% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 146293              | 58.794  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 117.580% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 41301               | 22.716  | ug/l   | 100      |
| 3) Chloromethane             | 1.300          | 50   | 44715               | 19.489  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.380          | 62   | 48480               | 19.841  | ug/l   | 99       |
| 5) Bromomethane              | 1.617          | 94   | 33887               | 22.441  | ug/l   | 96       |
| 6) Chloroethane              | 1.697          | 64   | 30088               | 19.785  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.898          | 101  | 71250               | 20.345  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 26662               | 19.074  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 39901               | 19.653  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 50587               | 17.502  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.928          | 59   | 39487               | 102.117 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 39681               | 19.150  | ug/l   | 94       |
| 13) Acrolein                 | 2.233          | 56   | 38865               | 127.548 | ug/l   | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 73696               | 21.184  | ug/l   | 96       |
| 15) Acrylonitrile            | 3.050          | 53   | 121301              | 100.674 | ug/l   | 98       |
| 16) Acetone                  | 2.367          | 43   | 99898               | 108.954 | ug/l   | 91       |
| 17) Carbon Disulfide         | 2.514          | 76   | 112473              | 18.691  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.690          | 43   | 55490               | 21.510  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 3.099          | 73   | 137477              | 20.386  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 46445               | 20.266  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 38834               | 18.362  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.745          | 45   | 138676              | 21.329  | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.709          | 43   | 614319              | 112.447 | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 75325               | 20.775  | ug/l   | 99       |
| 25) 2-Butanone               | 4.532          | 43   | 153848              | 113.689 | ug/l # | 89       |
| 26) 2,2-Dichloropropane      | 4.452          | 77   | 65032               | 20.271  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.471          | 96   | 47580               | 19.937  | ug/l   | 94       |
| 28) Bromochloromethane       | 4.879          | 49   | 38829               | 21.849  | ug/l   | 84       |
| 29) Tetrahydrofuran          | 4.971          | 42   | 103797              | 100.452 | ug/l   | 95       |
| 30) Chloroform               | 5.068          | 83   | 78114               | 20.107  | ug/l   | 93       |
| 31) Cyclohexane              | 5.452          | 56   | 60315               | 18.632  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.361          | 97   | 69881               | 20.075  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.672          | 75   | 50056               | 17.754  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.690          | 43   | 72073               | 21.393  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.659          | 117  | 61250               | 19.179  | ug/l   | 93       |
| 39) Methylcyclohexane        | 7.360          | 83   | 57003               | 17.098  | ug/l   | 97       |
| 40) Benzene                  | 6.019          | 78   | 157310              | 18.821  | ug/l   | 100      |



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120825\  
 Data File : VX048745.D  
 Acq On : 08 Dec 2025 11:44  
 Operator : JC/MD  
 Sample : VX1208WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1208WBS01

### Manual Integrations APPROVED

Reviewed By :John Carlone 12/09/2025  
 Supervised By :Mahesh Dadoda 12/09/2025

Quant Time: Dec 09 04:06:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.891  | 41   | 31647    | 20.646  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.068  | 62   | 63162    | 21.351  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 6.312  | 43   | 105648   | 20.710  | ug/l   | 94       |
| 44) Trichloroethene           | 7.104  | 130  | 38336    | 17.578  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 38148    | 18.261  | ug/l   | 99       |
| 46) Dibromomethane            | 7.562  | 93   | 29948    | 18.904  | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.799  | 83   | 62155    | 18.818  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.671  | 41   | 49411    | 19.255  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 11933    | 338.111 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43   | 333290   | 105.257 | ug/l   | 96       |
| 52) Toluene                   | 8.702  | 92   | 98537    | 19.551  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.958  | 75   | 62916    | 20.022  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 65243    | 19.320  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 44019    | 21.707  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 67147    | 21.154  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.287  | 76   | 69273    | 20.543  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 8.220  | 63   | 152119   | 88.668  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.409  | 43   | 232393   | 104.551 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.500  | 129  | 53723    | 21.424  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 46114    | 21.010  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.256  | 164  | 37431    | 16.498  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.061 | 112  | 118471   | 17.388  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 42596    | 17.479  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 198185   | 17.826  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.281 | 106  | 155889   | 35.995  | ug/l   | 96       |
| 69) o-Xylene                  | 10.622 | 106  | 73460    | 18.102  | ug/l   | 97       |
| 70) Styrene                   | 10.634 | 104  | 126903   | 18.215  | ug/l   | 99       |
| 71) Bromoform                 | 10.780 | 173  | 37658    | 17.309  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 188979   | 17.766  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.823 | 43   | 81515    | 17.637  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 63497    | 17.692  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 49341m   | 16.783  | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 50590    | 17.819  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.286 | 91   | 218787   | 17.759  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 131768   | 17.540  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 154012   | 17.615  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 20596    | 16.641  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 156772   | 17.883  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 158909   | 17.491  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 158196   | 17.937  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 190539   | 17.306  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 164163   | 17.443  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 90505    | 17.292  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 92718    | 17.143  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.311 | 91   | 144814   | 16.434  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.518 | 117  | 30759    | 16.013  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 85738    | 16.897  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 13707    | 15.692  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 55758    | 16.638  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 21763    | 15.700  | ug/l   | 99       |
| 95) Naphthalene               | 13.756 | 128  | 177703   | 20.256  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 52737    | 17.064  | ug/l   | 99       |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120825\  
Data File : VX048745.D  
Acq On : 08 Dec 2025 11:44  
Operator : JC/MD  
Sample : VX1208WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1208WBS01

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 12/09/2025  
Supervised By :Mahesh Dadoda 12/09/2025

Quant Time: Dec 09 04:06:52 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration

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

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



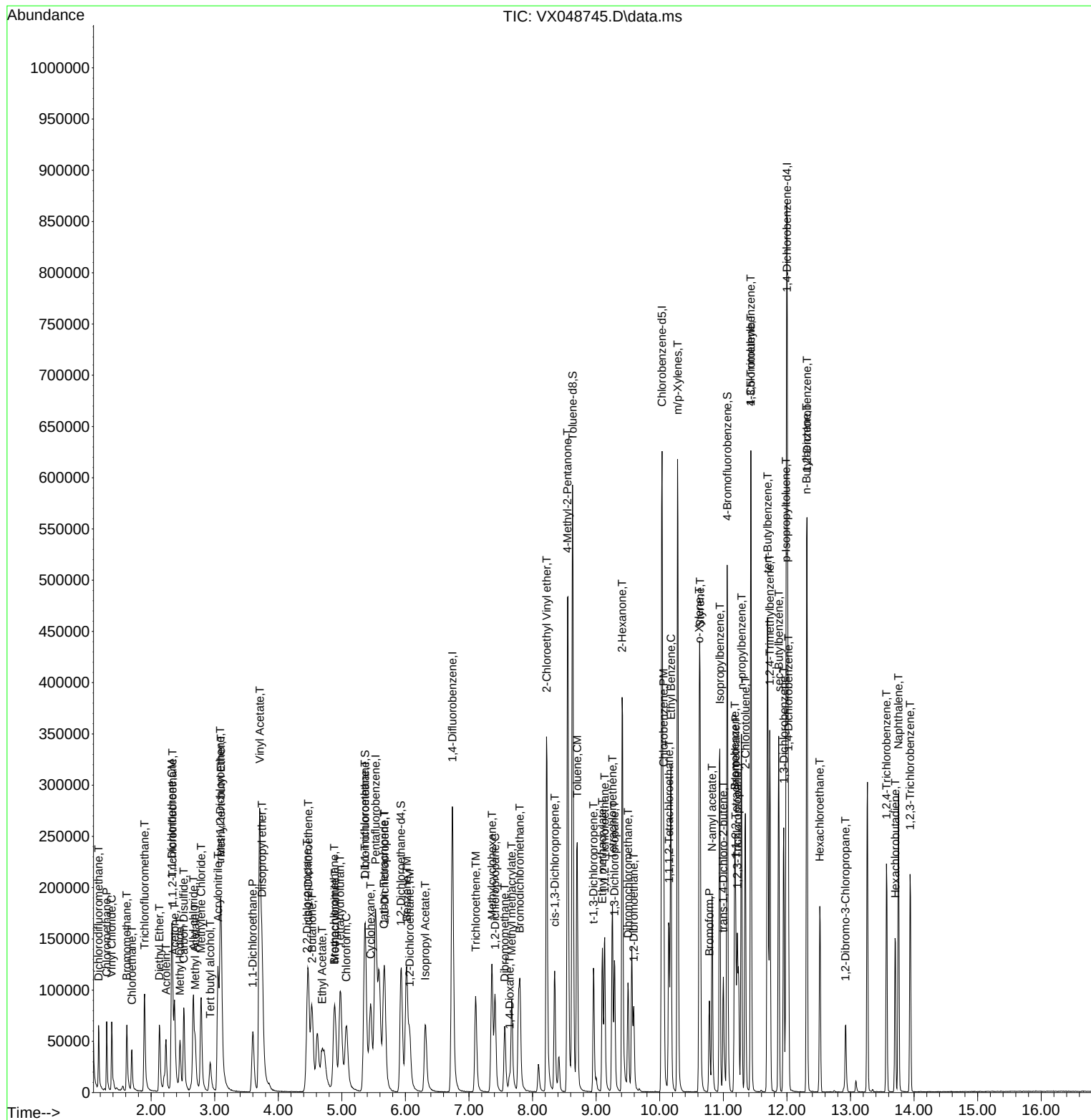
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\  
Data File : VX048745.D  
Acq On    : 08 Dec 2025  11:44  
Operator  : JC/MD  
Sample    : VX1208WBS01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 5      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX1208WBS01

## Manual Integrations APPROVED

Reviewed By :John Carlone 12/09/2025  
Supervised By :Mahesh Dadoda 12/09/2025

Quant Time: Dec 09 04:06:52 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
 Data File : VN088444.D  
 Acq On : 04 Dec 2025 14:45  
 Operator : JC\MD  
 Sample : VN1204WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1204WBSD01

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/05/2025  
 Supervised By : Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:15:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 290727              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.077          | 114  | 529277              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 469866              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 229597              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 306737              | 56.007  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 112.020% |         |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 194821              | 53.116  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 106.240% |         |        |          |
| 50) Toluene-d8               | 10.541         | 98   | 719265              | 52.704  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 105.400% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 263766              | 56.328  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 112.660% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 87020               | 19.928  | ug/l   | 94       |
| 3) Chloromethane             | 2.383          | 50   | 84956               | 18.114  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.536          | 62   | 90740               | 19.018  | ug/l   | 96       |
| 5) Bromomethane              | 2.983          | 94   | 43017               | 18.733  | ug/l   | 94       |
| 6) Chloroethane              | 3.148          | 64   | 55928               | 18.942  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.518          | 101  | 138107              | 20.595  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.965          | 74   | 49843               | 19.803  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 71554               | 20.043  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.589          | 142  | 65248               | 18.463  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.518          | 59   | 80431               | 91.985  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 69022               | 19.460  | ug/l   | 96       |
| 13) Acrolein                 | 4.177          | 56   | 94599               | 113.005 | ug/l   | 99       |
| 14) Allyl chloride           | 5.012          | 41   | 126430              | 19.231  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.706          | 53   | 250738              | 99.389  | ug/l   | 98       |
| 16) Acetone                  | 4.424          | 43   | 191583              | 96.727  | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.706          | 76   | 214025              | 18.466  | ug/l   | 99       |
| 18) Methyl Acetate           | 5.018          | 43   | 126740              | 21.497  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.783          | 73   | 277962              | 20.917  | ug/l   | 100      |
| 20) Methylene Chloride       | 5.265          | 84   | 79618               | 18.788  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.771          | 96   | 74638               | 18.996  | ug/l   | 84       |
| 22) Diisopropyl ether        | 6.659          | 45   | 291659              | 20.780  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.589          | 43   | 1291270             | 114.189 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 156380              | 19.675  | ug/l   | 99       |
| 25) 2-Butanone               | 7.465          | 43   | 318927              | 100.161 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 138156              | 20.137  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.471          | 96   | 88188               | 19.313  | ug/l   | 96       |
| 28) Bromochloromethane       | 7.800          | 49   | 73205               | 18.489  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.824          | 42   | 234483              | 102.668 | ug/l   | 98       |
| 30) Chloroform               | 7.947          | 83   | 157238              | 20.133  | ug/l   | 93       |
| 31) Cyclohexane              | 8.241          | 56   | 140672              | 19.530  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 141532              | 20.610  | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 108661              | 19.196  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.547          | 43   | 150629              | 20.237  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 114598              | 20.336  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.577          | 83   | 114089              | 18.842  | ug/l   | 97       |
| 40) Benzene                  | 8.588          | 78   | 320551              | 19.294  | ug/l   | 99       |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
 Data File : VN088444.D  
 Acq On : 04 Dec 2025 14:45  
 Operator : JC\MD  
 Sample : VN1204WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1204WBSD01

### Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025  
 Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:15:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 76908    | 20.862  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 136648   | 21.558  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 226089   | 19.881  | ug/l   | 98       |
| 44) Trichloroethene           | 9.330  | 130  | 73312    | 18.675  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 83457    | 19.606  | ug/l   | 90       |
| 46) Dibromomethane            | 9.688  | 93   | 61573    | 20.269  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.865  | 83   | 126000   | 20.328  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.659  | 41   | 106808   | 20.584  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.682  | 88   | 23459    | 355.507 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 707725   | 105.581 | ug/l   | 99       |
| 52) Toluene                   | 10.606 | 92   | 192863   | 20.104  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 127987   | 20.116  | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 132808   | 19.849  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 76705    | 20.666  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.859 | 69   | 126407   | 21.560  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 138389   | 20.668  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 320414   | 94.794  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.177 | 43   | 425614   | 100.793 | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.335 | 129  | 88166    | 20.837  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 78440    | 20.870  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.082 | 164  | 64323    | 17.268  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.871 | 112  | 208506   | 19.756  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 71468    | 20.077  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 364543   | 19.762  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.047 | 106  | 273590   | 40.003  | ug/l   | 97       |
| 69) o-Xylene                  | 12.376 | 106  | 129944   | 19.929  | ug/l   | 100      |
| 70) Styrene                   | 12.388 | 104  | 216021   | 20.404  | ug/l   | 98       |
| 71) Bromoform                 | 12.559 | 173  | 53817    | 20.641  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.671 | 105  | 347231   | 20.454  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.682 | 43   | 111327m  | 19.256  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 111054   | 20.235  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.971 | 75   | 113801m  | 21.162  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 77652    | 19.992  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.012 | 91   | 421199   | 20.281  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 253171   | 19.962  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 281269   | 19.995  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75   | 35239    | 18.590  | ug/l # | 93       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 267452   | 21.232  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.412 | 119  | 239926   | 20.064  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 286265   | 20.474  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 344400   | 20.048  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 283564   | 20.130  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 148014   | 19.576  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 152072   | 19.200  | ug/l   | 96       |
| 89) n-Butylbenzene            | 14.035 | 91   | 267202   | 19.536  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.312 | 117  | 48757    | 18.947  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 144112   | 20.254  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 26992    | 20.271  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 81616    | 19.305  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 27309    | 17.976  | ug/l   | 94       |
| 95) Naphthalene               | 15.612 | 128  | 302681   | 20.661  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 77952    | 18.946  | ug/l   | 96       |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
Data File : VN088444.D  
Acq On : 04 Dec 2025 14:45  
Operator : JC\MD  
Sample : VN1204WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1204WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/05/2025  
Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:15:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

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

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

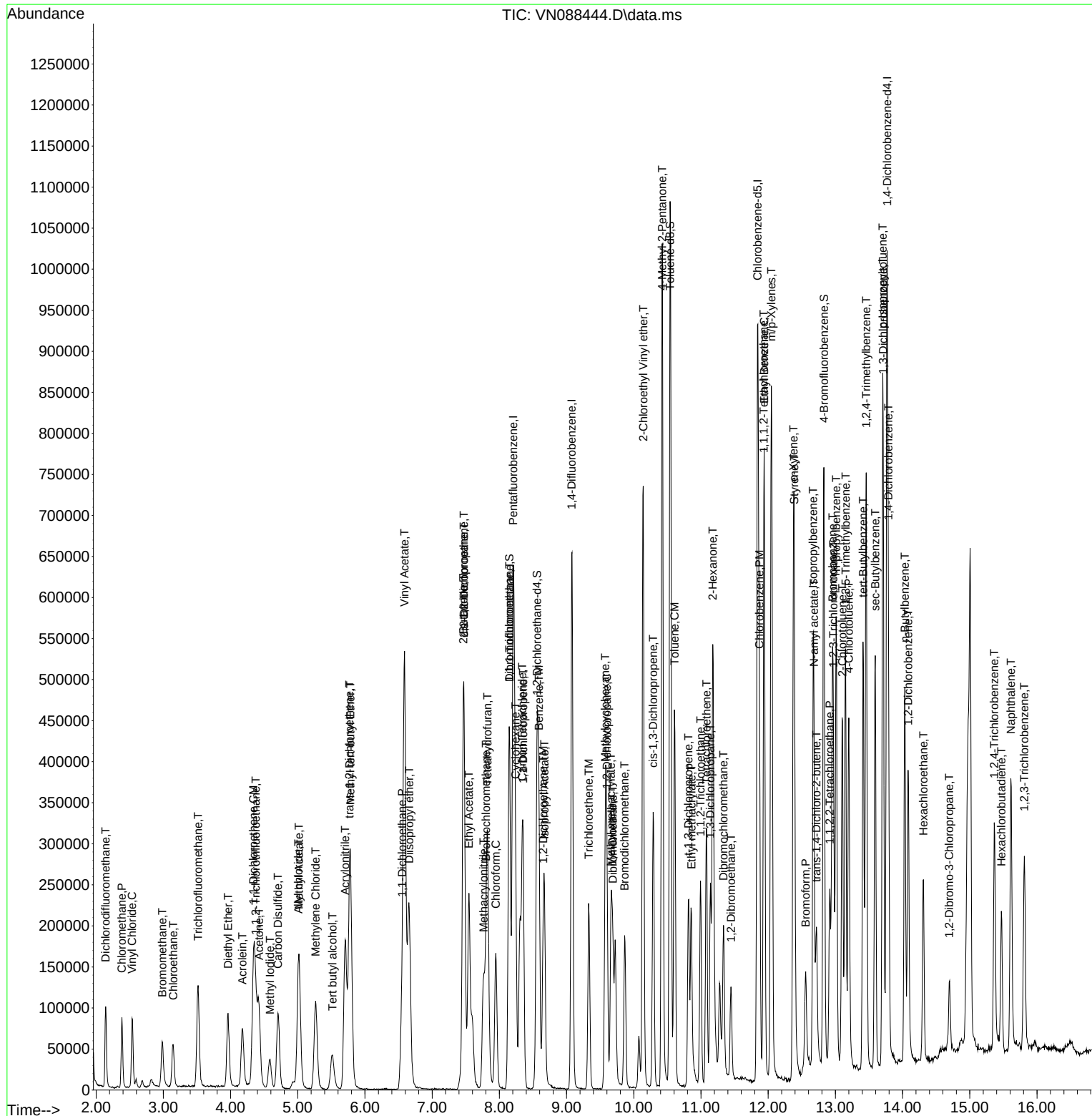
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
 Data File : VN088444.D  
 Acq On : 04 Dec 2025 14:45  
 Operator : JC\MD  
 Sample : VN1204WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1204WBSD01

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/05/2025  
 Supervised By : Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:15:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN112425 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDICC001  | VN088344.D | 1,1-Dichloroethene     | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC001  | VN088344.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC001  | VN088344.D | 1,4-Dichlorobenzene    | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC001  | VN088344.D | 2-Hexanone             | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC001  | VN088344.D | cis-1,2-Dichloroethene | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC001  | VN088344.D | Diisopropyl ether      | JOHN      | 11/25/2025<br>9:35:55 AM | MMDadoda      | 11/26/2025<br>1:51:48 PM | Peak Integrated by Software |
| VSTDICC005  | VN088345.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:00 AM | MMDadoda      | 11/26/2025<br>1:51:51 PM | Peak Integrated by Software |
| VSTDICC005  | VN088345.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:00 AM | MMDadoda      | 11/26/2025<br>1:51:51 PM | Peak Integrated by Software |
| VSTDICC020  | VN088346.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:04 AM | MMDadoda      | 11/26/2025<br>1:51:55 PM | Peak Integrated by Software |
| VSTDICC020  | VN088346.D | N-amyl acetate         | JOHN      | 11/25/2025<br>9:36:04 AM | MMDadoda      | 11/26/2025<br>1:51:55 PM | Peak Integrated by Software |
| VSTDICC020  | VN088346.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:04 AM | MMDadoda      | 11/26/2025<br>1:51:55 PM | Peak Integrated by Software |
| VSTDICCC050 | VN088347.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:10 AM | MMDadoda      | 11/26/2025<br>1:51:58 PM | Peak Integrated by Software |
| VSTDICCC050 | VN088347.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:10 AM | MMDadoda      | 11/26/2025<br>1:51:58 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN112425 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID  | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDICC100 | VN088348.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:15 AM | MMDadoda      | 11/26/2025<br>1:52:01 PM | Peak Integrated by Software |
| VSTDICC100 | VN088348.D | Allyl chloride         | JOHN      | 11/25/2025<br>9:36:15 AM | MMDadoda      | 11/26/2025<br>1:52:01 PM | Peak Integrated by Software |
| VSTDICC100 | VN088348.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:15 AM | MMDadoda      | 11/26/2025<br>1:52:01 PM | Peak Integrated by Software |
| VSTDICC150 | VN088349.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:20 AM | MMDadoda      | 11/26/2025<br>1:52:04 PM | Peak Integrated by Software |
| VSTDICC150 | VN088349.D | Allyl chloride         | JOHN      | 11/25/2025<br>9:36:20 AM | MMDadoda      | 11/26/2025<br>1:52:04 PM | Peak Integrated by Software |
| VSTDICC150 | VN088349.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:20 AM | MMDadoda      | 11/26/2025<br>1:52:04 PM | Peak Integrated by Software |
| VSTDICV050 | VN088351.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2025<br>9:36:25 AM | MMDadoda      | 11/26/2025<br>1:52:07 PM | Peak Integrated by Software |
| VSTDICV050 | VN088351.D | N-amyl acetate         | JOHN      | 11/25/2025<br>9:36:25 AM | MMDadoda      | 11/26/2025<br>1:52:07 PM | Peak Integrated by Software |
| VSTDICV050 | VN088351.D | Vinyl Acetate          | JOHN      | 11/25/2025<br>9:36:25 AM | MMDadoda      | 11/26/2025<br>1:52:07 PM | Peak Integrated by Software |



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN120425 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID    | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|--------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDCCC050   | VN088437.D | 1,2,3-Trichloropropane | JOHN      | 12/5/2025 8:18:14 AM | sam           | 12/5/2025 2:18:25 PM | Peak Integrated by Software |
| VSTDCCC050   | VN088437.D | N-amyl acetate         | JOHN      | 12/5/2025 8:18:14 AM | sam           | 12/5/2025 2:18:25 PM | Peak Integrated by Software |
| VN1204WBS01  | VN088443.D | 1,2,3-Trichloropropane | JOHN      | 12/5/2025 8:18:23 AM | sam           | 12/5/2025 2:18:38 PM | Peak Integrated by Software |
| VN1204WBS01  | VN088443.D | N-amyl acetate         | JOHN      | 12/5/2025 8:18:23 AM | sam           | 12/5/2025 2:18:38 PM | Peak Integrated by Software |
| VN1204WBSD01 | VN088444.D | 1,2,3-Trichloropropane | JOHN      | 12/5/2025 8:18:28 AM | sam           | 12/5/2025 2:18:43 PM | Peak Integrated by Software |
| VN1204WBSD01 | VN088444.D | N-amyl acetate         | JOHN      | 12/5/2025 8:18:28 AM | sam           | 12/5/2025 2:18:43 PM | Peak Integrated by Software |
| Q3757-11     | VN088450.D | Acetone                | JOHN      | 12/5/2025 8:18:38 AM | sam           | 12/5/2025 2:19:00 PM | Peak Integrated by Software |
| VSTDCCC050   | VN088461.D | 1,2,3-Trichloropropane | JOHN      | 12/5/2025 8:18:43 AM | sam           | 12/5/2025 2:18:57 PM | Peak Integrated by Software |
| VSTDCCC050   | VN088461.D | N-amyl acetate         | JOHN      | 12/5/2025 8:18:43 AM | sam           | 12/5/2025 2:18:57 PM | Peak Integrated by Software |



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX120425 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID  | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDICC001 | VX048714.D | 1,2,3-Trichloropropane | JOHN      | 12/5/2025 8:04:03 AM | sam           | 12/5/2025 2:19:32 PM | Peak Integrated by Software |
| VSTDICC001 | VX048714.D | 1,4-Dichlorobenzene    | JOHN      | 12/5/2025 8:04:03 AM | sam           | 12/5/2025 2:19:32 PM | Peak Integrated by Software |
| VSTDICC001 | VX048714.D | Ethyl Acetate          | JOHN      | 12/5/2025 8:04:03 AM | sam           | 12/5/2025 2:19:32 PM | Peak Integrated by Software |
| VSTDICC005 | VX048715.D | 1,2,3-Trichloropropane | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDICC005 | VX048715.D | 1,2-Dichloroethane-d4  | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDICC005 | VX048715.D | 4-Bromofluorobenzene   | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDICC005 | VX048715.D | Acrolein               | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDICC005 | VX048715.D | Bromomethane           | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDICC005 | VX048715.D | Cyclohexane            | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDICC005 | VX048715.D | Dibromofluoromethane   | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDICC005 | VX048715.D | Ethyl Acetate          | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDICC005 | VX048715.D | Methyl Acetate         | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDICC005 | VX048715.D | Methyl Iodide          | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX120425 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter                    | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|------------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDIC005   | VX048715.D | Tert butyl alcohol           | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDIC005   | VX048715.D | Toluene-d8                   | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDIC005   | VX048715.D | trans-1,4-Dichloro-2-but ene | JOHN      | 12/5/2025 8:04:10 AM | sam           | 12/5/2025 2:19:37 PM | Peak Integrated by Software |
| VSTDIC020   | VX048716.D | 1,2,3-Trichloropropane       | JOHN      | 12/5/2025 8:04:16 AM | sam           | 12/5/2025 2:19:42 PM | Peak Integrated by Software |
| VSTDICCC050 | VX048717.D | 1,2,3-Trichloropropane       | JOHN      | 12/5/2025 8:04:22 AM | sam           | 12/5/2025 2:20:03 PM | Peak Integrated by Software |
| VSTDIC100   | VX048718.D | 1,2,3-Trichloropropane       | JOHN      | 12/5/2025 8:04:27 AM | sam           | 12/5/2025 2:19:47 PM | Peak Integrated by Software |
| VSTDIC150   | VX048719.D | 1,2,3-Trichloropropane       | JOHN      | 12/5/2025 8:04:32 AM | sam           | 12/5/2025 2:20:07 PM | Peak Integrated by Software |
| VSTDICV050  | VX048721.D | 1,2,3-Trichloropropane       | JOHN      | 12/5/2025 8:04:41 AM | sam           | 12/5/2025 2:19:52 PM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

VX120525

Instrument

MSVOA\_x

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDCCC050  | VX048723.D | 1,2,3-Trichloropropane | JOHN      | 12/8/2025 8:07:20 AM | sam           | 12/8/2025 11:02:20 AM | Peak Integrated by Software |
| VX1205WBS01 | VX048726.D | 1,2,3-Trichloropropane | JOHN      | 12/8/2025 8:07:25 AM | sam           | 12/8/2025 11:02:26 AM | Peak Integrated by Software |
| VSTDCCC050  | VX048740.D | 1,2,3-Trichloropropane | JOHN      | 12/8/2025 8:07:34 AM | sam           | 12/8/2025 11:02:36 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX120825 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDCCC050  | VX048742.D | 1,2,3-Trichloropropane | JOHN      | 12/9/2025 8:06:28 AM | MMDadoda      | 12/9/2025 12:23:37 PM | Peak Integrated by Software |
| VX1208WBS01 | VX048745.D | 1,2,3-Trichloropropane | JOHN      | 12/9/2025 8:06:33 AM | MMDadoda      | 12/9/2025 12:23:40 PM | Peak Integrated by Software |
| VSTDCCC050  | VX048766.D | 1,2,3-Trichloropropane | JOHN      | 12/9/2025 8:06:52 AM | MMDadoda      | 12/9/2025 12:23:58 PM | Peak Integrated by Software |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN112425**

|                          |               |                                                       |                       |                      |              |
|--------------------------|---------------|-------------------------------------------------------|-----------------------|----------------------|--------------|
| Review By                | John Carlone  | Review On                                             | 11/25/2025 9:36:43 AM |                      |              |
| Supervise By             | Maresh Dadoda | Supervise On                                          | 11/26/2025 1:52:19 PM |                      |              |
| SubDirectory             | VN112425      | HP Acquire Method                                     | MSVOA_N               | HP Processing Method | 82N112425W.M |
| STD. NAME                |               | STD REF.#                                             |                       |                      |              |
| Tune/Reschk              |               | VP136378                                              |                       |                      |              |
| Initial Calibration Stds |               | VP136444,VP136445,VP136446,VP136447,VP136448,VP136449 |                       |                      |              |
| CCC                      |               |                                                       |                       |                      |              |
| Internal Standard/PEM    |               |                                                       |                       |                      |              |
| ICV/I.BLK                |               | VP136450                                              |                       |                      |              |
| Surrogate Standard       |               |                                                       |                       |                      |              |
| MS/MSD Standard          |               |                                                       |                       |                      |              |
| LCS Standard             |               |                                                       |                       |                      |              |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status |
|-----|------------|----------------|-------------------|----------|--------|
| 1   | BFB        | VN088343.D     | 24 Nov 2025 08:17 | JC\MD    | Ok     |
| 2   | VSTDIC001  | VN088344.D     | 24 Nov 2025 12:38 | JC\MD    | Ok,M   |
| 3   | VSTDIC005  | VN088345.D     | 24 Nov 2025 13:11 | JC\MD    | Ok,M   |
| 4   | VSTDIC020  | VN088346.D     | 24 Nov 2025 13:32 | JC\MD    | Ok,M   |
| 5   | VSTDIC050  | VN088347.D     | 24 Nov 2025 13:53 | JC\MD    | Ok,M   |
| 6   | VSTDIC100  | VN088348.D     | 24 Nov 2025 14:14 | JC\MD    | Ok,M   |
| 7   | VSTDIC150  | VN088349.D     | 24 Nov 2025 14:35 | JC\MD    | Ok,M   |
| 8   | IBLK       | VN088350.D     | 24 Nov 2025 14:56 | JC\MD    | Ok     |
| 9   | VSTDICV050 | VN088351.D     | 24 Nov 2025 15:18 | JC\MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN120425

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone        | Review On         | 12/5/2025 8:23:32 AM              |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/5/2025 2:14:29 PM              |
| SubDirectory                                                                                       | VN120425            | HP Acquire Method | HP Processing Method 82N112425W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136505            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136506,VP136507   |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB          | VN088436.D     | 04 Dec 2025 11:03 | JC\MD    | Ok     |
| 2   | VSTDCCC050   | VN088437.D     | 04 Dec 2025 11:44 | JC\MD    | Ok,M   |
| 3   | VN1204MBL01  | VN088438.D     | 04 Dec 2025 12:17 | JC\MD    | Ok     |
| 4   | VN1204WBL01  | VN088439.D     | 04 Dec 2025 12:38 | JC\MD    | Ok     |
| 5   | VN1204MBS01  | VN088440.D     | 04 Dec 2025 13:11 | JC\MD    | Ok,M   |
| 6   | Q3768-01     | VN088441.D     | 04 Dec 2025 13:31 | JC\MD    | Not Ok |
| 7   | IBLK         | VN088442.D     | 04 Dec 2025 13:52 | JC\MD    | Ok     |
| 8   | VN1204WBS01  | VN088443.D     | 04 Dec 2025 14:12 | JC\MD    | Ok,M   |
| 9   | VN1204WBSD01 | VN088444.D     | 04 Dec 2025 14:45 | JC\MD    | Ok,M   |
| 10  | Q3756-03     | VN088445.D     | 04 Dec 2025 15:06 | JC\MD    | Ok     |
| 11  | Q3756-01     | VN088446.D     | 04 Dec 2025 15:26 | JC\MD    | Ok     |
| 12  | Q3756-05     | VN088447.D     | 04 Dec 2025 15:47 | JC\MD    | Ok     |
| 13  | Q3756-07     | VN088448.D     | 04 Dec 2025 16:07 | JC\MD    | Ok     |
| 14  | Q3757-12     | VN088449.D     | 04 Dec 2025 16:28 | JC\MD    | Ok     |
| 15  | Q3757-11     | VN088450.D     | 04 Dec 2025 16:48 | JC\MD    | Ok,M   |
| 16  | Q3757-01     | VN088451.D     | 04 Dec 2025 17:09 | JC\MD    | Not Ok |
| 17  | Q3757-03     | VN088452.D     | 04 Dec 2025 17:29 | JC\MD    | Not Ok |
| 18  | Q3757-05     | VN088453.D     | 04 Dec 2025 17:50 | JC\MD    | Not Ok |
| 19  | Q3757-07     | VN088454.D     | 04 Dec 2025 18:10 | JC\MD    | Not Ok |
| 20  | Q3757-09     | VN088455.D     | 04 Dec 2025 18:31 | JC\MD    | Not Ok |
| 21  | Q3750-07     | VN088456.D     | 04 Dec 2025 18:51 | JC\MD    | Ok     |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QCBatch ID # VN120425**

| Review By                                                                                          | John Carlone        | Review On         | 12/5/2025 8:23:32 AM              |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/5/2025 2:14:29 PM              |
| SubDirectory                                                                                       | VN120425            | HP Acquire Method | HP Processing Method 82N112425W.M |
| STD. NAME                                                                                          | STD REF.#           |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136505            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136506,VP136507   |                   |                                   |

|    |            |            |                   |       |        |
|----|------------|------------|-------------------|-------|--------|
| 22 | Q3750-08   | VN088457.D | 04 Dec 2025 19:11 | JC\MD | Ok     |
| 23 | PB170809TB | VN088458.D | 04 Dec 2025 19:32 | JC\MD | Ok     |
| 24 | Q3775-01   | VN088459.D | 04 Dec 2025 19:52 | JC\MD | Not Ok |
| 25 | IBLK       | VN088460.D | 04 Dec 2025 20:13 | JC\MD | Ok     |
| 26 | VSTDCCC050 | VN088461.D | 04 Dec 2025 20:33 | JC\MD | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120425

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 12/5/2025 8:05:59 AM              |
| Supervise By             | Semsettin Yesilyurt                                   | Supervise On      | 12/5/2025 2:14:46 PM              |
| SubDirectory             | VX120425                                              | HP Acquire Method | HP Processing Method 82X120425W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP136497                                              |                   |                                   |
| Initial Calibration Stds | VP136526,VP136527,VP136528,VP136529,VP136530,VP136531 |                   |                                   |
| CCC                      |                                                       |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP136532                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status |
|-----|------------|----------------|-------------------|----------|--------|
| 1   | BFB        | VX048713.D     | 04 Dec 2025 08:15 | JC/MD    | Ok     |
| 2   | VSTDIC001  | VX048714.D     | 04 Dec 2025 08:47 | JC/MD    | Ok,M   |
| 3   | VSTDIC005  | VX048715.D     | 04 Dec 2025 09:16 | JC/MD    | Ok,M   |
| 4   | VSTDIC020  | VX048716.D     | 04 Dec 2025 09:36 | JC/MD    | Ok,M   |
| 5   | VSTDIC050  | VX048717.D     | 04 Dec 2025 09:57 | JC/MD    | Ok,M   |
| 6   | VSTDIC100  | VX048718.D     | 04 Dec 2025 10:17 | JC/MD    | Ok,M   |
| 7   | VSTDIC150  | VX048719.D     | 04 Dec 2025 10:38 | JC/MD    | Ok,M   |
| 8   | IBLK       | VX048720.D     | 04 Dec 2025 10:58 | JC/MD    | Ok     |
| 9   | VSTDICV050 | VX048721.D     | 04 Dec 2025 14:04 | JC/MD    | Ok,M   |

M : Manual Integration



Instrument ID: MSVOA\_X

## Daily Analysis Runlog For Sequence/QC Batch ID # VX120525

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone        | Review On         | 12/8/2025 8:24:07 AM              |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/8/2025 11:02:48 AM             |
| SubDirectory                                                                                       | VX120525            | HP Acquire Method | HP Processing Method 82X120425W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136523            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136524,VP136525   |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VX048722.D     | 05 Dec 2025 08:14 | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VX048723.D     | 05 Dec 2025 08:45 | JC/MD    | Ok,M     |
| 3   | VX1205MBL01  | VX048724.D     | 05 Dec 2025 09:14 | JC/MD    | Ok       |
| 4   | VX1205WBL01  | VX048725.D     | 05 Dec 2025 10:34 | JC/MD    | Ok       |
| 5   | VX1205WBS01  | VX048726.D     | 05 Dec 2025 11:31 | JC/MD    | Ok,M     |
| 6   | VX1205WBSD01 | VX048727.D     | 05 Dec 2025 11:59 | JC/MD    | Ok,M     |
| 7   | Q3775-01     | VX048728.D     | 05 Dec 2025 12:20 | JC/MD    | ReRun    |
| 8   | Q3775-01RE   | VX048729.D     | 05 Dec 2025 12:50 | JC/MD    | Confirms |
| 9   | IBLK         | VX048730.D     | 05 Dec 2025 13:10 | JC/MD    | Ok       |
| 10  | Q3757-01     | VX048731.D     | 05 Dec 2025 13:32 | JC/MD    | Ok       |
| 11  | Q3757-03     | VX048732.D     | 05 Dec 2025 13:53 | JC/MD    | Ok       |
| 12  | Q3757-05     | VX048733.D     | 05 Dec 2025 14:13 | JC/MD    | ReRun    |
| 13  | Q3757-07     | VX048734.D     | 05 Dec 2025 14:33 | JC/MD    | Ok       |
| 14  | Q3757-09     | VX048735.D     | 05 Dec 2025 14:54 | JC/MD    | ReRun    |
| 15  | Q3789-01     | VX048736.D     | 05 Dec 2025 15:14 | JC/MD    | Ok       |
| 16  | Q3789-02     | VX048737.D     | 05 Dec 2025 15:35 | JC/MD    | Ok       |
| 17  | Q3789-03     | VX048738.D     | 05 Dec 2025 15:55 | JC/MD    | ReRun    |
| 18  | Q3789-04     | VX048739.D     | 05 Dec 2025 16:15 | JC/MD    | ReRun    |
| 19  | VSTDCCC050   | VX048740.D     | 05 Dec 2025 16:36 | JC/MD    | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX120825**

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 12/9/2025 8:11:51 AM              |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 12/9/2025 12:45:16 PM             |
| SubDirectory                                                                                       | VX120825          | HP Acquire Method | HP Processing Method 82X120425W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136561          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136570,VP136571 |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VX048741.D     | 08 Dec 2025 08:17 | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VX048742.D     | 08 Dec 2025 09:20 | JC/MD    | Ok,M     |
| 3   | VX1208MBL01  | VX048743.D     | 08 Dec 2025 09:49 | JC/MD    | Ok       |
| 4   | VX1208WBL01  | VX048744.D     | 08 Dec 2025 11:15 | JC/MD    | Ok       |
| 5   | VX1208WBS01  | VX048745.D     | 08 Dec 2025 11:44 | JC/MD    | Ok,M     |
| 6   | VX1208WBSD01 | VX048746.D     | 08 Dec 2025 12:12 | JC/MD    | Ok,M     |
| 7   | Q3757-05RE   | VX048747.D     | 08 Dec 2025 12:33 | JC/MD    | Confirms |
| 8   | Q3757-09RE   | VX048748.D     | 08 Dec 2025 12:53 | JC/MD    | Confirms |
| 9   | Q3787-01     | VX048749.D     | 08 Dec 2025 13:14 | JC/MD    | Ok       |
| 10  | Q3787-02MS   | VX048750.D     | 08 Dec 2025 13:35 | JC/MD    | Not Ok   |
| 11  | Q3787-03MSD  | VX048751.D     | 08 Dec 2025 13:55 | JC/MD    | Not Ok   |
| 12  | Q3787-07     | VX048752.D     | 08 Dec 2025 14:16 | JC/MD    | ReRun    |
| 13  | Q3787-09     | VX048753.D     | 08 Dec 2025 14:36 | JC/MD    | ReRun    |
| 14  | Q3787-11     | VX048754.D     | 08 Dec 2025 14:57 | JC/MD    | ReRun    |
| 15  | Q3787-13     | VX048755.D     | 08 Dec 2025 15:18 | JC/MD    | ReRun    |
| 16  | Q3787-15     | VX048756.D     | 08 Dec 2025 15:38 | JC/MD    | Ok       |
| 17  | Q3787-17     | VX048757.D     | 08 Dec 2025 15:59 | JC/MD    | ReRun    |
| 18  | Q3787-19     | VX048758.D     | 08 Dec 2025 16:19 | JC/MD    | ReRun    |
| 19  | Q3787-21     | VX048759.D     | 08 Dec 2025 16:40 | JC/MD    | ReRun    |
| 20  | Q3788-07     | VX048760.D     | 08 Dec 2025 17:00 | JC/MD    | ReRun    |
| 21  | Q3788-09     | VX048761.D     | 08 Dec 2025 17:21 | JC/MD    | ReRun    |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX120825**

| Review By                                                                                          | John Carlone      | Review On         | 12/9/2025 8:11:51 AM              |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Mahesh Dadoda     | Supervise On      | 12/9/2025 12:45:16 PM             |
| SubDirectory                                                                                       | VX120825          | HP Acquire Method | HP Processing Method 82X120425W.M |
| STD. NAME                                                                                          | STD REF.#         |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136561          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136570,VP136571 |                   |                                   |

|    |             |            |                   |       |       |
|----|-------------|------------|-------------------|-------|-------|
| 22 | Q3788-11    | VX048762.D | 08 Dec 2025 17:41 | JC/MD | ReRun |
| 23 | Q3788-13    | VX048763.D | 08 Dec 2025 18:02 | JC/MD | Ok    |
| 24 | Q3787-02MS  | VX048764.D | 08 Dec 2025 18:22 | JC/MD | Ok,M  |
| 25 | Q3787-03MSD | VX048765.D | 08 Dec 2025 18:43 | JC/MD | Ok,M  |
| 26 | VSTDCCC050  | VX048766.D | 08 Dec 2025 19:03 | JC/MD | Ok,M  |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN112425**

|                          |                                                       |                   |                                           |
|--------------------------|-------------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | John Carlone                                          | Review On         | 11/25/2025 9:36:43 AM                     |
| Supervise By             | Mahesh Dadoda                                         | Supervise On      | 11/26/2025 1:52:19 PM                     |
| SubDirectory             | VN112425                                              | HP Acquire Method | MSVOA_N HP Processing Method 82N112425W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                           |
| Tune/Reschk              | VP136378                                              |                   |                                           |
| Initial Calibration Stds | VP136444,VP136445,VP136446,VP136447,VP136448,VP136449 |                   |                                           |
| CCC                      |                                                       |                   |                                           |
| Internal Standard/PEM    |                                                       |                   |                                           |
| ICV/I.BLK                | VP136450                                              |                   |                                           |
| Surrogate Standard       |                                                       |                   |                                           |
| MS/MSD Standard          |                                                       |                   |                                           |
| LCS Standard             |                                                       |                   |                                           |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                                  | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|------------------------------------------|----------|--------|
| 1   | BFB         | BFB         | VN088343.D     | 24 Nov 2025 08:17 |                                          | JC\MD    | Ok     |
| 2   | VSTDICC001  | VSTDICC001  | VN088344.D     | 24 Nov 2025 12:38 |                                          | JC\MD    | Ok,M   |
| 3   | VSTDICC005  | VSTDICC005  | VN088345.D     | 24 Nov 2025 13:11 | COM.#74 Peak not detected in 1 and 5 PPB | JC\MD    | Ok,M   |
| 4   | VSTDICC020  | VSTDICC020  | VN088346.D     | 24 Nov 2025 13:32 |                                          | JC\MD    | Ok,M   |
| 5   | VSTDICCC050 | VSTDICCC050 | VN088347.D     | 24 Nov 2025 13:53 | Method failed for Comp. #74              | JC\MD    | Ok,M   |
| 6   | VSTDICC100  | VSTDICC100  | VN088348.D     | 24 Nov 2025 14:14 |                                          | JC\MD    | Ok,M   |
| 7   | VSTDICC150  | VSTDICC150  | VN088349.D     | 24 Nov 2025 14:35 |                                          | JC\MD    | Ok,M   |
| 8   | IBLK        | IBLK        | VN088350.D     | 24 Nov 2025 14:56 |                                          | JC\MD    | Ok     |
| 9   | VSTDICV050  | ICVVN112425 | VN088351.D     | 24 Nov 2025 15:18 |                                          | JC\MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN120425**

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone        | Review On         | 12/5/2025 8:23:32 AM              |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/5/2025 2:14:29 PM              |
| SubDirectory                                                                                       | VN120425            | HP Acquire Method | HP Processing Method 82N112425W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136505            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136506,VP136507   |                   |                                   |

| Sr# | SampleID     | ClientID           | Data File Name | Date-Time         | Comment           | Operator | Status |
|-----|--------------|--------------------|----------------|-------------------|-------------------|----------|--------|
| 1   | BFB          | BFB                | VN088436.D     | 04 Dec 2025 11:03 |                   | JC\MD    | Ok     |
| 2   | VSTDCCC050   | VSTDCCC050         | VN088437.D     | 04 Dec 2025 11:44 | pH#Lot#V12668     | JC\MD    | Ok,M   |
| 3   | VN1204MBL01  | VN1204MBL01        | VN088438.D     | 04 Dec 2025 12:17 |                   | JC\MD    | Ok     |
| 4   | VN1204WBL01  | VN1204WBL01        | VN088439.D     | 04 Dec 2025 12:38 |                   | JC\MD    | Ok     |
| 5   | VN1204MBS01  | VN1204MBS01        | VN088440.D     | 04 Dec 2025 13:11 |                   | JC\MD    | Ok,M   |
| 6   | Q3768-01     | 20071              | VN088441.D     | 04 Dec 2025 13:31 | Need Soil Run     | JC\MD    | Not Ok |
| 7   | IBLK         | IBLK               | VN088442.D     | 04 Dec 2025 13:52 |                   | JC\MD    | Ok     |
| 8   | VN1204WBS01  | VN1204WBS01        | VN088443.D     | 04 Dec 2025 14:12 |                   | JC\MD    | Ok,M   |
| 9   | VN1204WBSD01 | VN1204WBSD01       | VN088444.D     | 04 Dec 2025 14:45 |                   | JC\MD    | Ok,M   |
| 10  | Q3756-03     | BR-01-190-120225   | VN088445.D     | 04 Dec 2025 15:06 | vial A pH<2       | JC\MD    | Ok     |
| 11  | Q3756-01     | OW-04B-26.5-120225 | VN088446.D     | 04 Dec 2025 15:26 | vial A pH<2       | JC\MD    | Ok     |
| 12  | Q3756-05     | MW-04-12-120225    | VN088447.D     | 04 Dec 2025 15:47 | vial A pH<2       | JC\MD    | Ok     |
| 13  | Q3756-07     | MW-13B-47.5-120225 | VN088448.D     | 04 Dec 2025 16:07 | vial A pH<2       | JC\MD    | Ok     |
| 14  | Q3757-12     | TB01-120325        | VN088449.D     | 04 Dec 2025 16:28 | vial A pH<2 TB    | JC\MD    | Ok     |
| 15  | Q3757-11     | EB01-120325        | VN088450.D     | 04 Dec 2025 16:48 | vial A pH<2 EB    | JC\MD    | Ok,M   |
| 16  | Q3757-01     | MW-14A-17.5-120325 | VN088451.D     | 04 Dec 2025 17:09 | Need Straight Run | JC\MD    | Not Ok |
| 17  | Q3757-03     | BR-03D-490-120325  | VN088452.D     | 04 Dec 2025 17:29 | Need Straight Run | JC\MD    | Not Ok |
| 18  | Q3757-05     | MW-14B-46-120325   | VN088453.D     | 04 Dec 2025 17:50 | Need Straight Run | JC\MD    | Not Ok |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN120425**

| Review By                                                                                          | John Carlone        | Review On         | 12/5/2025 8:23:32 AM              |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/5/2025 2:14:29 PM              |
| SubDirectory                                                                                       | VN120425            | HP Acquire Method | HP Processing Method 82N112425W.M |
| STD. NAME                                                                                          | STD REF.#           |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136505            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136506,VP136507   |                   |                                   |

|    |            |                     |            |                   |                   |       |        |
|----|------------|---------------------|------------|-------------------|-------------------|-------|--------|
| 19 | Q3757-07   | RMW-05B-90.5-120325 | VN088454.D | 04 Dec 2025 18:10 | Need Straight Run | JC\MD | Not Ok |
| 20 | Q3757-09   | OW-05B-72-120325    | VN088455.D | 04 Dec 2025 18:31 | Need Straight Run | JC\MD | Not Ok |
| 21 | Q3750-07   | FENCE WC-1          | VN088456.D | 04 Dec 2025 18:51 | vial B pH#5.0     | JC\MD | Ok     |
| 22 | Q3750-08   | FENCE WC-2          | VN088457.D | 04 Dec 2025 19:11 | vial B pH#5.0     | JC\MD | Ok     |
| 23 | PB170809TB | PB170809TB          | VN088458.D | 04 Dec 2025 19:32 |                   | JC\MD | Ok     |
| 24 | Q3775-01   | NGKO                | VN088459.D | 04 Dec 2025 19:52 | Need Straight Run | JC\MD | Not Ok |
| 25 | IBLK       | IBLK                | VN088460.D | 04 Dec 2025 20:13 |                   | JC\MD | Ok     |
| 26 | VSTDCCC050 | VSTDCCC050EC        | VN088461.D | 04 Dec 2025 20:33 |                   | JC\MD | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX120425**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 12/5/2025 8:05:59 AM              |
| Supervise By             | Semsettin Yesilyurt                                   | Supervise On      | 12/5/2025 2:14:46 PM              |
| SubDirectory             | VX120425                                              | HP Acquire Method | HP Processing Method 82X120425W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP136497                                              |                   |                                   |
| Initial Calibration Stds | VP136526,VP136527,VP136528,VP136529,VP136530,VP136531 |                   |                                   |
| CCC                      |                                                       |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP136532                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | Sampleld    | ClientID    | Data File Name | Date-Time         | Comment                           | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|-----------------------------------|----------|--------|
| 1   | BFB         | BFB         | VX048713.D     | 04 Dec 2025 08:15 |                                   | JC/MD    | Ok     |
| 2   | VSTDICC001  | VSTDICC001  | VX048714.D     | 04 Dec 2025 08:47 |                                   | JC/MD    | Ok,M   |
| 3   | VSTDICC005  | VSTDICC005  | VX048715.D     | 04 Dec 2025 09:16 |                                   | JC/MD    | Ok,M   |
| 4   | VSTDICC020  | VSTDICC020  | VX048716.D     | 04 Dec 2025 09:36 | Comp. #13 on Linear Regression    | JC/MD    | Ok,M   |
| 5   | VSTDICCC050 | VSTDICCC050 | VX048717.D     | 04 Dec 2025 09:57 | Comp. #95 on Quadratic Regression | JC/MD    | Ok,M   |
| 6   | VSTDICC100  | VSTDICC100  | VX048718.D     | 04 Dec 2025 10:17 |                                   | JC/MD    | Ok,M   |
| 7   | VSTDICC150  | VSTDICC150  | VX048719.D     | 04 Dec 2025 10:38 |                                   | JC/MD    | Ok,M   |
| 8   | IBLK        | IBLK        | VX048720.D     | 04 Dec 2025 10:58 |                                   | JC/MD    | Ok     |
| 9   | VSTDICV050  | ICVVX120425 | VX048721.D     | 04 Dec 2025 14:04 |                                   | JC/MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_X

## Daily Analysis Runlog For Sequence/QC Batch ID # VX120525

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone        | Review On         | 12/8/2025 8:24:07 AM              |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/8/2025 11:02:48 AM             |
| SubDirectory                                                                                       | VX120525            | HP Acquire Method | HP Processing Method 82X120425W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136523            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136524,VP136525   |                   |                                   |

| Sr# | SampleID     | ClientID            | Data File Name | Date-Time         | Comment                      | Operator | Status   |
|-----|--------------|---------------------|----------------|-------------------|------------------------------|----------|----------|
| 1   | BFB          | BFB                 | VX048722.D     | 05 Dec 2025 08:14 |                              | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050          | VX048723.D     | 05 Dec 2025 08:45 | pH#Lot#V12668                | JC/MD    | Ok,M     |
| 3   | VX1205MBL01  | VX1205MBL01         | VX048724.D     | 05 Dec 2025 09:14 |                              | JC/MD    | Ok       |
| 4   | VX1205WBL01  | VX1205WBL01         | VX048725.D     | 05 Dec 2025 10:34 |                              | JC/MD    | Ok       |
| 5   | VX1205WBS01  | VX1205WBS01         | VX048726.D     | 05 Dec 2025 11:31 |                              | JC/MD    | Ok,M     |
| 6   | VX1205WBSD01 | VX1205WBSD01        | VX048727.D     | 05 Dec 2025 11:59 |                              | JC/MD    | Ok,M     |
| 7   | Q3775-01     | NGKO                | VX048728.D     | 05 Dec 2025 12:20 | vial A pH#5.0 Surrogate fail | JC/MD    | ReRun    |
| 8   | Q3775-01RE   | NGKORE              | VX048729.D     | 05 Dec 2025 12:50 | vial B pH#5.0 Surrogate fail | JC/MD    | Confirms |
| 9   | IBLK         | IBLK                | VX048730.D     | 05 Dec 2025 13:10 |                              | JC/MD    | Ok       |
| 10  | Q3757-01     | MW-14A-17.5-120325  | VX048731.D     | 05 Dec 2025 13:32 | vial A pH<2                  | JC/MD    | Ok       |
| 11  | Q3757-03     | BR-03D-490-120325   | VX048732.D     | 05 Dec 2025 13:53 | vial A pH<2                  | JC/MD    | Ok       |
| 12  | Q3757-05     | MW-14B-46-120325    | VX048733.D     | 05 Dec 2025 14:13 | vial A pH<2 Surrogate fail   | JC/MD    | ReRun    |
| 13  | Q3757-07     | RMW-05B-90.5-120325 | VX048734.D     | 05 Dec 2025 14:33 | vial A pH<2                  | JC/MD    | Ok       |
| 14  | Q3757-09     | OW-05B-72-120325    | VX048735.D     | 05 Dec 2025 14:54 | vial A pH<2 Surrogate fail   | JC/MD    | ReRun    |
| 15  | Q3789-01     | STORAGE-BLANK-SO    | VX048736.D     | 05 Dec 2025 15:14 | vial A pH<2                  | JC/MD    | Ok       |
| 16  | Q3789-02     | STORAGE-BLANK-WA    | VX048737.D     | 05 Dec 2025 15:35 | vial A pH<2                  | JC/MD    | Ok       |
| 17  | Q3789-03     | STORAGE-BLANK-WA    | VX048738.D     | 05 Dec 2025 15:55 | vial A pH<2 Surrogate fail   | JC/MD    | ReRun    |
| 18  | Q3789-04     | STORAGE-BLANK-SAI   | VX048739.D     | 05 Dec 2025 16:15 | vial A pH<2 Surrogate fail   | JC/MD    | ReRun    |



Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX120525**

| Review By                                                                                          | John Carlone        | Review On         | 12/8/2025 8:24:07 AM  |                      |              |       |      |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------|----------------------|--------------|-------|------|
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 12/8/2025 11:02:48 AM |                      |              |       |      |
| SubDirectory                                                                                       | VX120525            | HP Acquire Method |                       | HP Processing Method | 82X120425W.M |       |      |
| STD. NAME                                                                                          | STD REF.#           |                   |                       |                      |              |       |      |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136523            |                   |                       |                      |              |       |      |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136524,VP136525   |                   |                       |                      |              |       |      |
| 19                                                                                                 | VSTDCCC050          | VSTDCCC050EC      | VX048740.D            | 05 Dec 2025 16:36    |              | JC/MD | Ok,M |

M : Manual Integration

A

B

C

D

E

F

G

H

I

J

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX120825**

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 12/9/2025 8:11:51 AM              |
| Supervise By                                                                                       | Mahesh Dadoda     | Supervise On      | 12/9/2025 12:45:16 PM             |
| SubDirectory                                                                                       | VX120825          | HP Acquire Method | HP Processing Method 82X120425W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136561          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136570,VP136571 |                   |                                   |

| Sr# | SampleID     | ClientID           | Data File Name | Date-Time         | Comment                    | Operator | Status   |
|-----|--------------|--------------------|----------------|-------------------|----------------------------|----------|----------|
| 1   | BFB          | BFB                | VX048741.D     | 08 Dec 2025 08:17 |                            | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050         | VX048742.D     | 08 Dec 2025 09:20 | pH#Lot#V12668              | JC/MD    | Ok,M     |
| 3   | VX1208MBL01  | VX1208MBL01        | VX048743.D     | 08 Dec 2025 09:49 |                            | JC/MD    | Ok       |
| 4   | VX1208WBL01  | VX1208WBL01        | VX048744.D     | 08 Dec 2025 11:15 |                            | JC/MD    | Ok       |
| 5   | VX1208WBS01  | VX1208WBS01        | VX048745.D     | 08 Dec 2025 11:44 |                            | JC/MD    | Ok,M     |
| 6   | VX1208WBSD01 | VX1208WBSD01       | VX048746.D     | 08 Dec 2025 12:12 |                            | JC/MD    | Ok,M     |
| 7   | Q3757-05RE   | MW-14B-46-120325RE | VX048747.D     | 08 Dec 2025 12:33 | vial B pH<2 Surrogate fail | JC/MD    | Confirms |
| 8   | Q3757-09RE   | OW-05B-72-120325RE | VX048748.D     | 08 Dec 2025 12:53 | vial B pH<2 Surrogate fail | JC/MD    | Confirms |
| 9   | Q3787-01     | MW-15B-42.5-120425 | VX048749.D     | 08 Dec 2025 13:14 | vial A pH<2                | JC/MD    | Ok       |
| 10  | Q3787-02MS   | MW-15B-42.5-120425 | VX048750.D     | 08 Dec 2025 13:35 | Not Spiked                 | JC/MD    | Not Ok   |
| 11  | Q3787-03MSD  | MW-15B-42.5-120425 | VX048751.D     | 08 Dec 2025 13:55 | Not Spiked                 | JC/MD    | Not Ok   |
| 12  | Q3787-07     | OWBR-02-170-120425 | VX048752.D     | 08 Dec 2025 14:16 | vial A pH<2 Surrogate fail | JC/MD    | ReRun    |
| 13  | Q3787-09     | OWBR-02-170-120425 | VX048753.D     | 08 Dec 2025 14:36 | vial A pH<2 Surrogate fail | JC/MD    | ReRun    |
| 14  | Q3787-11     | OW-03B-51.5-120425 | VX048754.D     | 08 Dec 2025 14:57 | vial A pH<2 Surrogate fail | JC/MD    | ReRun    |
| 15  | Q3787-13     | OW-03B-51.5-120425 | VX048755.D     | 08 Dec 2025 15:18 | vial A pH<2 Surrogate fail | JC/MD    | ReRun    |
| 16  | Q3787-15     | OW-08B-72.5-120425 | VX048756.D     | 08 Dec 2025 15:38 | vial A pH<2                | JC/MD    | Ok       |
| 17  | Q3787-17     | OW-08B-72.5-120425 | VX048757.D     | 08 Dec 2025 15:59 | vial A pH<2 Surrogate fail | JC/MD    | ReRun    |
| 18  | Q3787-19     | OW-02B-21.2-120425 | VX048758.D     | 08 Dec 2025 16:19 | vial A pH<2 Surrogate fail | JC/MD    | ReRun    |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX120825**

| Review By                                                                                          | John Carlone      | Review On         | 12/9/2025 8:11:51 AM              |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 12/9/2025 12:45:16 PM             |
| SubDirectory                                                                                       | VX120825          | HP Acquire Method | HP Processing Method 82X120425W.M |
| STD. NAME                                                                                          | STD REF.#         |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136561          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136570,VP136571 |                   |                                   |

|    |             |                     |            |                   |                               |       |       |
|----|-------------|---------------------|------------|-------------------|-------------------------------|-------|-------|
| 19 | Q3787-21    | TB01-120425         | VX048759.D | 08 Dec 2025 16:40 | vial A pH<2 TB;Surrogate fail | JC/MD | ReRun |
| 20 | Q3788-07    | OW-01B-66.5-120525  | VX048760.D | 08 Dec 2025 17:00 | vial A pH<2 Surrogate fail    | JC/MD | ReRun |
| 21 | Q3788-09    | TA-BR-05-465-120525 | VX048761.D | 08 Dec 2025 17:21 | vial A pH<2 Surrogate fail    | JC/MD | ReRun |
| 22 | Q3788-11    | MW-16B-87.5-120525  | VX048762.D | 08 Dec 2025 17:41 | vial A pH<2 Surrogate fail    | JC/MD | ReRun |
| 23 | Q3788-13    | TB01-120525         | VX048763.D | 08 Dec 2025 18:02 | vial A pH<2 TB                | JC/MD | Ok    |
| 24 | Q3787-02MS  | MW-15B-42.5-120425  | VX048764.D | 08 Dec 2025 18:22 | vial A pH<2                   | JC/MD | Ok,M  |
| 25 | Q3787-03MSD | MW-15B-42.5-120425  | VX048765.D | 08 Dec 2025 18:43 | vial A pH<2                   | JC/MD | Ok,M  |
| 26 | VSTDCCC050  | VSTDCCC050EC        | VX048766.D | 08 Dec 2025 19:03 |                               | JC/MD | Ok,M  |

M : Manual Integration

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q3757                          | <b>OrderDate:</b> | 12/3/2025 9:25:00 AM                      |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | --Select--,A11,VOA Lab                    |

| LabID      | ClientID                | Matrix | Test         | Method   | Sample Date | Prep Date | Anal Date | Received |
|------------|-------------------------|--------|--------------|----------|-------------|-----------|-----------|----------|
| Q3757-01   | MW-14A-17.5-120325      | Water  | VOCMS Group3 | 8260-Low | 12/03/25    |           | 12/05/25  | 12/03/25 |
| Q3757-03   | BR-03D-490-120325       | Water  | VOCMS Group3 | 8260-Low | 12/03/25    |           | 12/05/25  | 12/03/25 |
| Q3757-05   | MW-14B-46-120325        | Water  | VOCMS Group3 | 8260-Low | 12/03/25    |           | 12/05/25  | 12/03/25 |
| Q3757-05RE | MW-14B-46-120325R<br>E  | Water  | VOCMS Group3 | 8260-Low | 12/03/25    |           | 12/08/25  | 12/03/25 |
| Q3757-07   | RMW-05B-90.5-12032<br>5 | Water  | VOCMS Group3 | 8260-Low | 12/03/25    |           | 12/05/25  | 12/03/25 |
| Q3757-09   | OW-05B-72-120325        | Water  | VOCMS Group3 | 8260-Low | 12/03/25    |           | 12/05/25  | 12/03/25 |
| Q3757-09RE | OW-05B-72-120325R<br>E  | Water  | VOCMS Group3 | 8260-Low | 12/03/25    |           | 12/08/25  | 12/03/25 |
| Q3757-11   | EB01-120325             | Water  | VOCMS Group3 | 8260-Low | 12/03/25    |           | 12/04/25  | 12/03/25 |
| Q3757-12   | TB01-120325             | Water  | VOCMS Group3 | 8260-Low | 12/03/25    |           | 12/04/25  | 12/03/25 |

### Hit Summary Sheet SW-846

SDG No.: Q3757  
Client: JACOBS Engineering Group, Inc.

| Sample ID  | Client ID               | Matrix | Parameter            | Concentration | C | MDL   | RDL   | Units |
|------------|-------------------------|--------|----------------------|---------------|---|-------|-------|-------|
| Client ID: | RMW-05B-90.5-120325-SIM |        |                      |               |   |       |       |       |
| Q3757-08   | RMW-05B-90.5-120        | Water  | Vinyl chloride       | 0.12          |   | 0.020 | 0.020 | ug/L  |
|            |                         |        | Total Voc :          | 0.12          |   |       |       |       |
|            |                         |        | Total Concentration: | 0.12          |   |       |       |       |

A

B

C

D

E

F

G

H

I

J



# SAMPLE DATA

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: MW-14A-17.5-120325-SIM  
 Lab Sample ID: Q3757-02  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/09/25 15:00 | VV120925 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.53              |      |    | 40 - 130 | 105%       | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.41              |      |    | 70 - 130 | 81.8%      | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.39              |      |    | 60 - 140 | 78.8%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.46              |      |    | 70 - 130 | 91.2%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.51              |      |    | 65 - 120 | 102.8%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 7170              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 7770              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3770              |      |    |          |            |          |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: MW-14B-46-120325-SIM  
 Lab Sample ID: Q3757-06  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/09/25 15:21 | VV120925 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.52              |      |    | 40 - 130 | 103.4%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.41              |      |    | 70 - 130 | 81%        | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.38              |      |    | 60 - 140 | 76.6%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.43              |      |    | 70 - 130 | 86.6%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.50              |      |    | 65 - 120 | 99%        | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 7410              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 7740              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3980              |      |    |          |            |          |                |          |

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



## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: RMW-05B-90.5-120325-SI  
 Lab Sample ID: Q3757-08  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.12              |      | 1  | 0.020    | 0.020      | ug/L     | 12/05/25 14:16 | VV120525 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.51              |      |    | 40 - 130 | 102.4%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.41              |      |    | 70 - 130 | 81.8%      | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.38              |      |    | 60 - 140 | 75.6%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.42              |      |    | 70 - 130 | 84.8%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.51              |      |    | 65 - 120 | 102.6%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 5570              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 6010              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 2840              |      |    |          |            |          |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: OW-05B-72-120325-SIM  
 Lab Sample ID: Q3757-10  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/05/25 15:47 | VV120525 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.57              |      |    | 40 - 130 | 113.2%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.48              |      |    | 70 - 130 | 95.4%      | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.39              |      |    | 60 - 140 | 78.4%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.44              |      |    | 70 - 130 | 88.6%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.51              |      |    | 65 - 120 | 101.4%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 5840              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 6090              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3050              |      |    |          |            |          |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: EB01-120325  
 Lab Sample ID: Q3757-11  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/09/25 15:42 | VV120925 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.57              |      |    | 40 - 130 | 114.2%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.44              |      |    | 70 - 130 | 88%        | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.41              |      |    | 60 - 140 | 81.4%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.45              |      |    | 70 - 130 | 90.6%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.53              |      |    | 65 - 120 | 105.2%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 7250              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 7360              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3880              |      |    |          |            |          |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: TB01-120325  
 Lab Sample ID: Q3757-12  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/05/25 14:37 | VV120525 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.59              |      |    | 40 - 130 | 118.4%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.43              |      |    | 70 - 130 | 86.6%      | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.40              |      |    | 60 - 140 | 79.6%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.44              |      |    | 70 - 130 | 87%        | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.50              |      |    | 65 - 120 | 100%       | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 6640              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 6680              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3360              |      |    |          |            |          |                |          |

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

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VHBLK001  
 Lab Sample ID: Q3757-14  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/03/25  
 Date Received: 12/03/25  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/09/25 18:51 | VV120925 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.58              |      |    | 40 - 130 | 116.2%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.49              |      |    | 70 - 130 | 97.4%      | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.44              |      |    | 60 - 140 | 88.2%      | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.48              |      |    | 70 - 130 | 96.4%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.57              |      |    | 65 - 120 | 114.2%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 5540              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 5510              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 2900              |      |    |          |            |          |                |          |

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



# QC SUMMARY

### Surrogate Summary

SDG No.: Q3757

Client: JACOBS Engineering Group, Inc.

Analytical Method: SWSFAM\_VOCSIM

| Lab Sample ID | Client ID               | Parameter                    | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|-------------------------|------------------------------|-------|--------|--------------|------|------------|------|
|               |                         |                              |       |        |              |      | Low        | High |
| Q3757-02      | MW-14A-17.5-120325-SIM  | Vinyl chloride-d3            | 0.5   | 0.53   | 105          |      | 40         | 130  |
|               |                         | 1,2-Dichloroethane-d4        | 0.5   | 0.41   | 82           |      | 70         | 130  |
|               |                         | 1,2-Dichloropropane-d6       | 0.5   | 0.39   | 79           |      | 60         | 140  |
|               |                         | Toluene-d8                   | 0.5   | 0.46   | 91           |      | 70         | 130  |
|               |                         | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.51   | 103          |      | 65         | 120  |
| Q3757-06      | MW-14B-46-120325-SIM    | Vinyl chloride-d3            | 0.5   | 0.52   | 103          |      | 40         | 130  |
|               |                         | 1,2-Dichloroethane-d4        | 0.5   | 0.41   | 81           |      | 70         | 130  |
|               |                         | 1,2-Dichloropropane-d6       | 0.5   | 0.38   | 77           |      | 60         | 140  |
|               |                         | Toluene-d8                   | 0.5   | 0.43   | 87           |      | 70         | 130  |
|               |                         | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.50   | 99           |      | 65         | 120  |
| Q3757-08      | RMW-05B-90.5-120325-SIM | Vinyl chloride-d3            | 0.5   | 0.51   | 102          |      | 40         | 130  |
|               |                         | 1,2-Dichloroethane-d4        | 0.5   | 0.41   | 82           |      | 70         | 130  |
|               |                         | 1,2-Dichloropropane-d6       | 0.5   | 0.38   | 76           |      | 60         | 140  |
|               |                         | Toluene-d8                   | 0.5   | 0.42   | 85           |      | 70         | 130  |
|               |                         | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.51   | 103          |      | 65         | 120  |
| Q3757-10      | OW-05B-72-120325-SIM    | Vinyl chloride-d3            | 0.5   | 0.57   | 113          |      | 40         | 130  |
|               |                         | 1,2-Dichloroethane-d4        | 0.5   | 0.48   | 95           |      | 70         | 130  |
|               |                         | 1,2-Dichloropropane-d6       | 0.5   | 0.39   | 78           |      | 60         | 140  |
|               |                         | Toluene-d8                   | 0.5   | 0.44   | 89           |      | 70         | 130  |
|               |                         | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.51   | 101          |      | 65         | 120  |
| Q3757-11      | EB01-120325             | Vinyl chloride-d3            | 0.5   | 0.57   | 114          |      | 40         | 130  |
|               |                         | 1,2-Dichloroethane-d4        | 0.5   | 0.44   | 88           |      | 70         | 130  |
|               |                         | 1,2-Dichloropropane-d6       | 0.5   | 0.41   | 81           |      | 60         | 140  |
|               |                         | Toluene-d8                   | 0.5   | 0.45   | 91           |      | 70         | 130  |
|               |                         | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.53   | 105          |      | 65         | 120  |
| Q3757-12      | TB01-120325             | Vinyl chloride-d3            | 0.5   | 0.59   | 118          |      | 40         | 130  |
|               |                         | 1,2-Dichloroethane-d4        | 0.5   | 0.43   | 87           |      | 70         | 130  |
|               |                         | 1,2-Dichloropropane-d6       | 0.5   | 0.40   | 80           |      | 60         | 140  |
|               |                         | Toluene-d8                   | 0.5   | 0.44   | 87           |      | 70         | 130  |
|               |                         | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.50   | 100          |      | 65         | 120  |
| Q3757-14      | VHBLK001                | Vinyl chloride-d3            | 0.5   | 0.58   | 116          |      | 40         | 130  |
|               |                         | 1,2-Dichloroethane-d4        | 0.5   | 0.49   | 97           |      | 70         | 130  |
|               |                         | 1,2-Dichloropropane-d6       | 0.5   | 0.44   | 88           |      | 60         | 140  |
|               |                         | Toluene-d8                   | 0.5   | 0.48   | 96           |      | 70         | 130  |
|               |                         | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.57   | 114          |      | 65         | 120  |
| VV1205WBL01   | VBLK236                 | Vinyl chloride-d3            | 0.5   | 0.57   | 114          |      | 40         | 130  |
|               |                         | 1,2-Dichloroethane-d4        | 0.5   | 0.46   | 91           |      | 70         | 130  |
|               |                         | 1,2-Dichloropropane-d6       | 0.5   | 0.43   | 85           |      | 60         | 140  |
|               |                         | Toluene-d8                   | 0.5   | 0.48   | 95           |      | 70         | 130  |
|               |                         | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.54   | 108          |      | 65         | 120  |
| VV1209WBL01   | VBLK238                 | Vinyl chloride-d3            | 0.5   | 0.57   | 113          |      | 40         | 130  |
|               |                         | 1,2-Dichloroethane-d4        | 0.5   | 0.44   | 87           |      | 70         | 130  |
|               |                         | 1,2-Dichloropropane-d6       | 0.5   | 0.42   | 83           |      | 60         | 140  |
|               |                         | Toluene-d8                   | 0.5   | 0.47   | 95           |      | 70         | 130  |
|               |                         | 1,1,2,2-Tetrachloroethane-d2 | 0.5   | 0.51   | 101          |      | 65         | 120  |

VOLATILE METHOD BLANK SUMMARY

Client ID

VBLK236

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VV039474.D

Lab Sample ID: VV1205WBL01

Date Analyzed: 12/05/2025

Time Analyzed: 12:30

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_V

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 |
|-------------------------|------------------|----------------|------------------|
| RMW-05B-90.5-120325-SIM | Q3757-08         | VV039477.D     | 12/05/2025       |
| TB01-120325             | Q3757-12         | VV039478.D     | 12/05/2025       |
| OW-05B-72-120325-SIM    | Q3757-10         | VV039481.D     | 12/05/2025       |

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



VOLATILE METHOD BLANK SUMMARY

Client ID

VBLK238

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VV039502.D

Lab Sample ID: VV1209WBL01

Date Analyzed: 12/09/2025

Time Analyzed: 14:29

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_V

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 |
|------------------------|------------------|----------------|------------------|
| MW-14A-17.5-120325-SIM | Q3757-02         | VV039503.D     | 12/09/2025       |
| MW-14B-46-120325-SIM   | Q3757-06         | VV039504.D     | 12/09/2025       |
| EB01-120325            | Q3757-11         | VV039505.D     | 12/09/2025       |
| VHBLK001               | Q3757-14         | VV039514.D     | 12/09/2025       |

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VV039444.D

BFB Injection Date: 12/03/2025

Instrument ID: MSVOA\_V

BFB Injection Time: 09:23

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 18.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 48.8                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 1.7 ( 1.8 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 94.2                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.9 ( 7.3 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 91.7 ( 97.4 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 6 ( 6.5 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID   | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-------------|---------------|-------------|---------------|---------------|
| VSTD0.02269 | VSTD0.0269    | VV039445.D  | 12/03/2025    | 09:55         |
| VSTD0.05270 | VSTD0.0570    | VV039446.D  | 12/03/2025    | 10:32         |
| VSTD0.1271  | VSTD0.171     | VV039447.D  | 12/03/2025    | 10:58         |
| VSTD0.5272  | VSTD0.572     | VV039448.D  | 12/03/2025    | 11:25         |
| VSTD001273  | VSTD00173     | VV039449.D  | 12/03/2025    | 11:52         |
| VSTD002274  | VSTD00274     | VV039450.D  | 12/03/2025    | 12:18         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: VV039472.D  
Instrument ID: MSVOA\_V  
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05  
SDG NO.: Q3757  
BFB Injection Date: 12/05/2025  
BFB Injection Time: 10:46  
Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 18.1                 |
| 75  | 30.0 - 60.0% of mass 95            | 50.1                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 1.6 ( 1.7 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 95.4                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.8 ( 7.1 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 92.4 ( 96.9 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 6.1 ( 6.6 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID               | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-------------------------|---------------|-------------|---------------|---------------|
| VSTD0.5335              | VSTDCCC0.5    | VV039473.D  | 12/05/2025    | 11:47         |
| VBLK236                 | VV1205WBL01   | VV039474.D  | 12/05/2025    | 12:30         |
| RMW-05B-90.5-120325-SIM | Q3757-08      | VV039477.D  | 12/05/2025    | 14:16         |
| TB01-120325             | Q3757-12      | VV039478.D  | 12/05/2025    | 14:37         |
| OW-05B-72-120325-SIM    | Q3757-10      | VV039481.D  | 12/05/2025    | 15:47         |
| VSTD0.5336              | VSTDCCC0.5EC  | VV039484.D  | 12/05/2025    | 16:50         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VV039500.D

BFB Injection Date: 12/09/2025

Instrument ID: MSVOA\_V

BFB Injection Time: 12:56

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.7                 |
| 75  | 30.0 - 60.0% of mass 95            | 51.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 1.7 ( 1.8 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 95                   |
| 175 | 5.0 - 9.0% of mass 174             | 7.4 ( 7.8 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 93 ( 97.8 ) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 6.5 ( 7 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID              | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------------------|---------------|-------------|---------------|---------------|
| VSTD0.5339             | VSTDCCC0.5    | VV039501.D  | 12/09/2025    | 13:58         |
| VBLK238                | VV1209WBL01   | VV039502.D  | 12/09/2025    | 14:29         |
| MW-14A-17.5-120325-SIM | Q3757-02      | VV039503.D  | 12/09/2025    | 15:00         |
| MW-14B-46-120325-SIM   | Q3757-06      | VV039504.D  | 12/09/2025    | 15:21         |
| EB01-120325            | Q3757-11      | VV039505.D  | 12/09/2025    | 15:42         |
| VHBLK001               | Q3757-14      | VV039514.D  | 12/09/2025    | 18:51         |
| VSTD0.5340             | VSTDCCC0.5EC  | VV039515.D  | 12/09/2025    | 19:12         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005  
Lab Code: ACE SDG NO.: Q3757  
Lab File ID: VV039473.D Date Analyzed: 12/05/2025  
Instrument ID: MSVOA\_V Time Analyzed: 11:47  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                         | IS1 (DFB)<br>AREA # | RT #  | IS2 (CBZ)<br>AREA # | RT #  | IS3 (DCB)<br>AREA # | RT #   |
|-------------------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD             | 6700                | 5.57  | 6813                | 8.79  | 3959                | 11.18  |
| UPPER LIMIT             | 13400               | 5.736 | 13626               | 8.955 | 7918                | 11.345 |
| LOWER LIMIT             | 3350                | 5.396 | 3406.5              | 8.615 | 1979.5              | 11.005 |
| EPA SAMPLE NO.          |                     |       |                     |       |                     |        |
| RMW-05B-90.5-120325-SIM | 6011                | 5.57  | 5568                | 8.80  | 2844                | 11.20  |
| OW-05B-72-120325-SIM    | 6092                | 5.57  | 5835                | 8.80  | 3054                | 11.20  |
| TB01-120325             | 6676                | 5.57  | 6644                | 8.80  | 3356                | 11.20  |
| VBLK236                 | 5971                | 5.57  | 5907                | 8.80  | 3034                | 11.20  |

IS1 (DFB) = 1,4-Difluorobenzene  
IS2 (CBZ) = Chlorobenzene-d5  
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005  
Lab Code: ACE SDG NO.: Q3757  
Lab File ID: VV039501.D Date Analyzed: 12/09/2025  
Instrument ID: MSVOA\_V Time Analyzed: 13:58  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                        | IS1 (DFB)<br>AREA # | RT #  | IS2 (CBZ)<br>AREA # | RT #  | IS3 (DCB)<br>AREA # | RT #   |
|------------------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD            | 7231                | 5.57  | 7043                | 8.79  | 3954                | 11.18  |
| UPPER LIMIT            | 14462               | 5.736 | 14086               | 8.955 | 7908                | 11.345 |
| LOWER LIMIT            | 3615.5              | 5.396 | 3521.5              | 8.615 | 1977                | 11.005 |
| EPA SAMPLE NO.         |                     |       |                     |       |                     |        |
| MW-14A-17.5-120325-SIM | 7765                | 5.57  | 7166                | 8.79  | 3774                | 11.18  |
| MW-14B-46-120325-SIM   | 7740                | 5.57  | 7407                | 8.80  | 3976                | 11.18  |
| EB01-120325            | 7363                | 5.57  | 7248                | 8.80  | 3880                | 11.18  |
| VHBLK001               | 5508                | 5.57  | 5536                | 8.80  | 2897                | 11.20  |
| VBLK238                | 6387                | 5.57  | 5976                | 8.80  | 3086                | 11.20  |

IS1 (DFB) = 1,4-Difluorobenzene  
IS2 (CBZ) = Chlorobenzene-d5  
IS3 (DCB) = 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.



# QC SAMPLE DATA

## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VBLK236  
 Lab Sample ID: VV1205WBL01  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/05/25 12:30 | VV120525 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.57              |      |    | 40 - 130 | 114%       | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.46              |      |    | 70 - 130 | 91.2%      | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.43              |      |    | 60 - 140 | 85%        | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.48              |      |    | 70 - 130 | 95.2%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.54              |      |    | 65 - 120 | 108.2%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 5910              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 5970              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3030              |      |    |          |            |          |                |          |

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



## Report of Analysis

Client: JACOBS Engineering Group, Inc.  
 Project: Former Schlumberger STC PTC Site D3868221  
 Client Sample ID: VBLK238  
 Lab Sample ID: VV1209WBL01  
 Analytical Method: Level:  
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3757  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-SIM

| CAS Number                | Parameter                    | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units    | Date Ana.      | BatchID  |
|---------------------------|------------------------------|-------------------|------|----|----------|------------|----------|----------------|----------|
| <b>TARGETS</b>            |                              |                   |      |    |          |            |          |                |          |
| 75-01-4                   | Vinyl chloride               | 0.020             | U    | 1  | 0.020    | 0.020      | ug/L     | 12/09/25 14:29 | VV120925 |
| <b>SURROGATES</b>         |                              |                   |      |    |          |            |          |                |          |
| 6745-35-3                 | Vinyl Chloride-d3            | 0.57              |      |    | 40 - 130 | 113.2%     | SPK: 0.5 |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4        | 0.44              |      |    | 70 - 130 | 87%        | SPK: 0.5 |                |          |
| 93952-08-0                | 1,2-Dichloropropane-d6       | 0.42              |      |    | 60 - 140 | 83%        | SPK: 0.5 |                |          |
| 2037-26-5                 | Toluene-d8                   | 0.47              |      |    | 70 - 130 | 94.6%      | SPK: 0.5 |                |          |
| 33685-54-0                | 1,1,2,2-Tetrachloroethane-d2 | 0.51              |      |    | 65 - 120 | 101.2%     | SPK: 0.5 |                |          |
| <b>INTERNAL STANDARDS</b> |                              |                   |      |    |          |            |          |                |          |
|                           |                              | <b>Area Count</b> |      |    |          |            |          |                |          |
| 3114-55-4                 | Chlorobenzene-d5             | 5980              |      |    |          |            |          |                |          |
| 540-36-3                  | 1,4-Difluorobenzene          | 6390              |      |    |          |            |          |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4       | 3090              |      |    |          |            |          |                |          |

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



# CALIBRATION SUMMARY

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JAC005  
 Lab Code: ACE SDG No.: Q3757  
 Instrument ID: MSVOA\_V Calibration Date(s): 12/03/2025 12/03/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 09:55 12:18  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                 |        | RRFAL1 = VV039445.D |        | RRFAL2 = VV039446.D |        | RRFAL3 = VV039447.D |       |       |  |
|------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                              |        | RRFAL4 = VV039448.D |        | RRFAL5 = VV039449.D |        | RRFAL6 = VV039450.D |       |       |  |
| COMPOUND                     | RRFAL1 | RRFAL2              | RRFAL3 | RRFAL4              | RRFAL5 | RRFAL6              | RRF   | % RSD |  |
| Vinyl chloride               | 1.464  | 0.963               | 1.023  | 1.100               | 0.991  | 0.950               | 1.082 | 18    |  |
| Vinyl Chloride-d3            |        | 0.473               | 0.499  | 0.533               | 0.491  | 0.458               | 0.491 | 5.8   |  |
| 1,2-Dichloroethane-d4        |        | 0.383               | 0.341  | 0.334               | 0.318  | 0.288               | 0.333 | 10.3  |  |
| 1,2-Dichloropropane-d6       |        | 0.397               | 0.402  | 0.463               | 0.425  | 0.422               | 0.422 | 6.2   |  |
| Toluene-d8                   |        | 0.674               | 0.616  | 0.726               | 0.738  | 0.805               | 0.712 | 10    |  |
| 1,1,2,2-Tetrachloroethane-d2 |        | 0.215               | 0.249  | 0.262               | 0.243  | 0.220               | 0.238 | 8.4   |  |

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

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                              |
|---------------------|-------------------|------------------------|------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3757</u>                 |
| Instrument ID:      | <u>MSVOA_V</u>    | Calibration Date/Time: | <u>12/05/2025 11:47</u>      |
| Lab File ID:        | <u>VV039473.D</u> | Init. Calib. Date(s):  | <u>12/03/2025 12/03/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:55 12:18</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                     | RRF   | RRFCAL | MIN<br>RRF | %D    | MAX%D |
|------------------------------|-------|--------|------------|-------|-------|
| Vinyl chloride               | 1.082 | 1.040  | 0.01       | -3.9  | 30    |
| Vinyl Chloride-d3            | 0.491 | 0.450  | 0.01       | -8.2  | 30    |
| 1,2-Dichloroethane-d4        | 0.333 | 0.286  | 0.01       | -14.1 | 25    |
| 1,2-Dichloropropane-d6       | 0.422 | 0.406  | 0.1        | -3.8  | 20    |
| Toluene-d8                   | 0.712 | 0.606  | 0.2        | -14.8 | 20    |
| 1,1,2,2-Tetrachloroethane-d2 | 0.238 | 0.225  | 0.01       | -5.2  | 25    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3757</u>                        |
| Instrument ID:      | <u>MSVOA_V</u>    | Calibration Date/Time: | <u>12/05/2025</u> <u>16:50</u>      |
| Lab File ID:        | <u>VV039484.D</u> | Init. Calib. Date(s):  | <u>12/03/2025</u> <u>12/03/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:55</u> <u>12:18</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)                    |

| COMPOUND                     | RRF   | RRFCAL | MIN<br>RRF | %D   | MAX%D |
|------------------------------|-------|--------|------------|------|-------|
| Vinyl chloride               | 1.082 | 1.103  | 0.01       | 2    | 50    |
| Vinyl Chloride-d3            | 0.491 | 0.570  | 0.01       | 16.2 | 50    |
| 1,2-Dichloroethane-d4        | 0.333 | 0.332  | 0.01       | -0.4 | 50    |
| 1,2-Dichloropropane-d6       | 0.422 | 0.431  | 0.1        | 2.2  | 50    |
| Toluene-d8                   | 0.712 | 0.675  | 0.2        | -5.1 | 50    |
| 1,1,2,2-Tetrachloroethane-d2 | 0.238 | 0.249  | 0.01       | 4.8  | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                              |
|---------------------|-------------------|------------------------|------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3757</u>                 |
| Instrument ID:      | <u>MSVOA_V</u>    | Calibration Date/Time: | <u>12/09/2025 13:58</u>      |
| Lab File ID:        | <u>VV039501.D</u> | Init. Calib. Date(s):  | <u>12/03/2025 12/03/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:55 12:18</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                     | RRF   | RRFCAL | MIN<br>RRF | %D    | MAX%D |
|------------------------------|-------|--------|------------|-------|-------|
| Vinyl chloride               | 1.082 | 0.964  | 0.01       | -10.9 | 30    |
| Vinyl Chloride-d3            | 0.491 | 0.543  | 0.01       | 10.5  | 30    |
| 1,2-Dichloroethane-d4        | 0.333 | 0.310  | 0.01       | -7    | 25    |
| 1,2-Dichloropropane-d6       | 0.422 | 0.429  | 0.1        | 1.6   | 20    |
| Toluene-d8                   | 0.712 | 0.699  | 0.2        | -1.7  | 20    |
| 1,1,2,2-Tetrachloroethane-d2 | 0.238 | 0.243  | 0.01       | 2.1   | 25    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                              |
|---------------------|-------------------|------------------------|------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>JAC005</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3757</u>                 |
| Instrument ID:      | <u>MSVOA_V</u>    | Calibration Date/Time: | <u>12/09/2025 19:12</u>      |
| Lab File ID:        | <u>VV039515.D</u> | Init. Calib. Date(s):  | <u>12/03/2025 12/03/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:55 12:18</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                     | RRF   | RRFCAL | MIN<br>RRF | %D   | MAX%D |
|------------------------------|-------|--------|------------|------|-------|
| Vinyl chloride               | 1.082 | 1.118  | 0.01       | 3.3  | 50    |
| Vinyl Chloride-d3            | 0.491 | 0.568  | 0.01       | 15.6 | 50    |
| 1,2-Dichloroethane-d4        | 0.333 | 0.332  | 0.01       | -0.2 | 50    |
| 1,2-Dichloropropane-d6       | 0.422 | 0.451  | 0.1        | 7    | 50    |
| Toluene-d8                   | 0.712 | 0.694  | 0.2        | -2.4 | 50    |
| 1,1,2,2-Tetrachloroethane-d2 | 0.238 | 0.267  | 0.01       | 12.4 | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



# SAMPLE RAW DATA



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120925\  
Data File : VV039503.D  
Acq On : 09 Dec 2025 15:00  
Operator : SY/MD  
Sample : Q3757-02  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-14A-17.5-120325-SIM

Quant Time: Dec 10 01:16:39 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 09 08:40:48 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 7765     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.785  | 117  | 7166     | 0.500 | ug/L  | 0.00     |
| 12) 1,4-Dichlorobenzene-d4 | 11.175 | 152  | 3774     | 0.500 | ug/L  | 0.00     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 2) Vinyl Chloride-d3          | 1.295  | 65    | 4004     | 0.525    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 106.000% |
| 4) 1,2-Dichloroethane-d4      | 4.970  | 65    | 2117     | 0.409    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 82.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.996  | 67    | 2385     | 0.394    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 78.000%  |
| 8) Toluene-d8                 | 7.254  | 98    | 4648     | 0.456    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 92.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1751     | 0.514    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 102.000% |

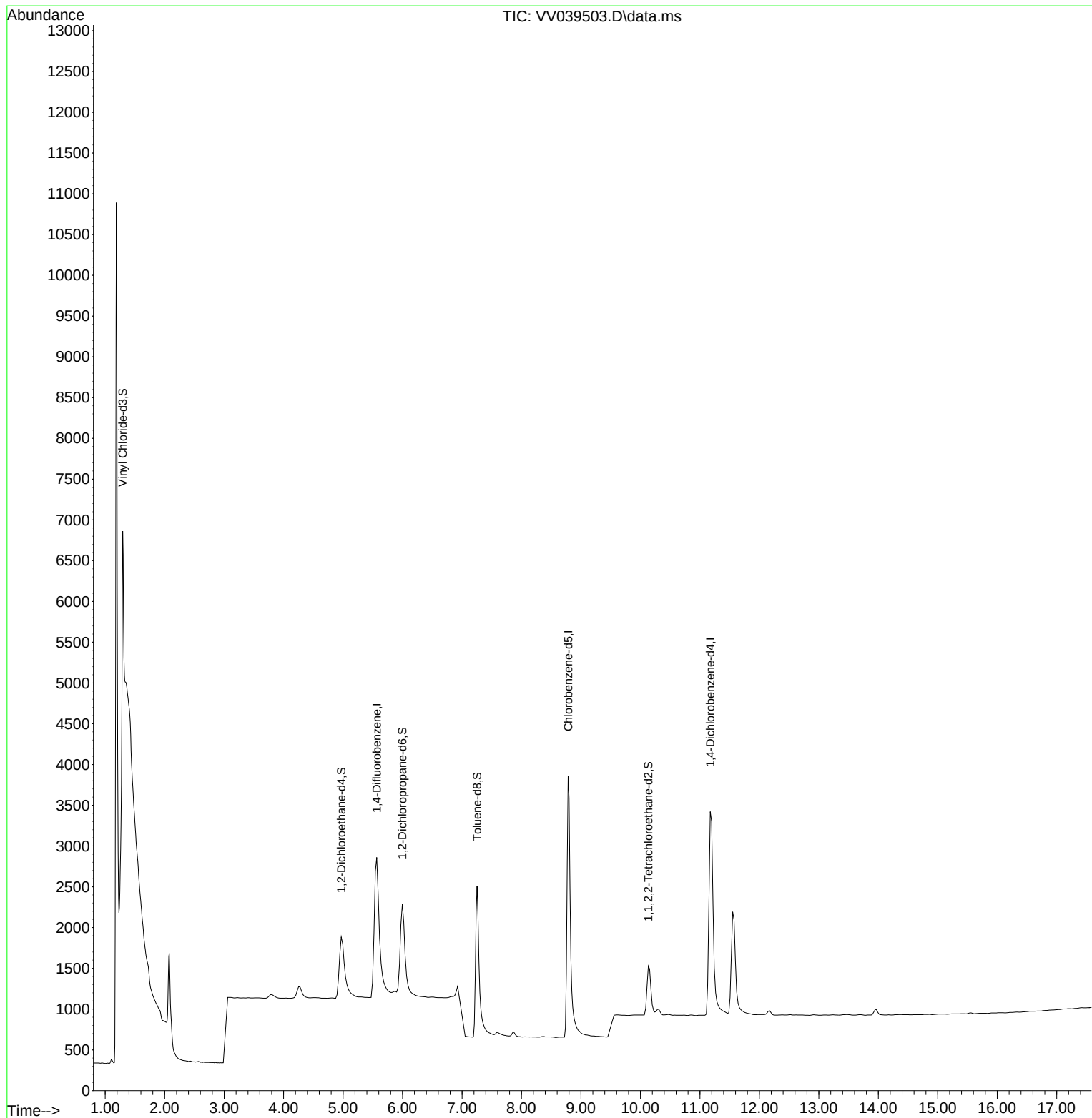
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

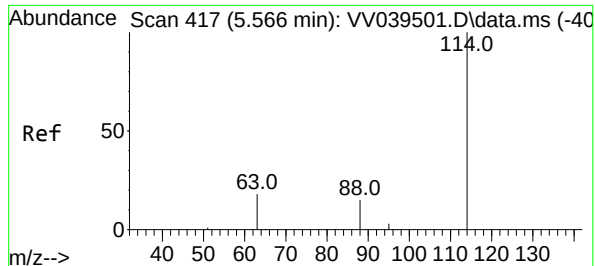
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120925\  
Data File : VV039503.D  
Acq On : 09 Dec 2025 15:00  
Operator : SY/MD  
Sample : Q3757-02  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-14A-17.5-120325-SIM

Quant Time: Dec 10 01:16:39 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 09 08:40:48 2025  
Response via : Initial Calibration

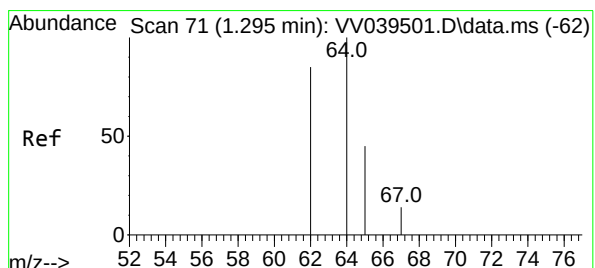
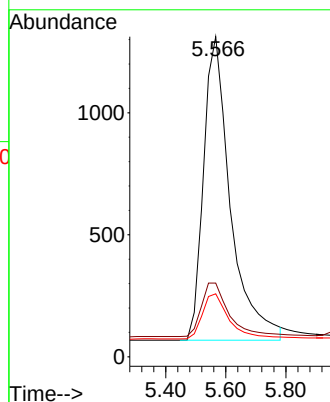
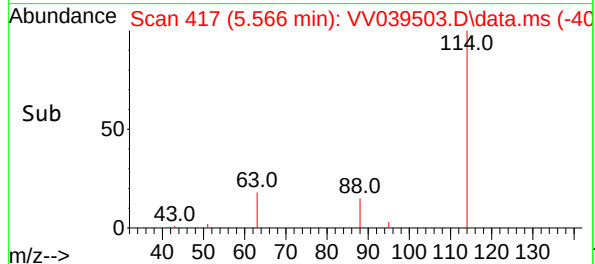
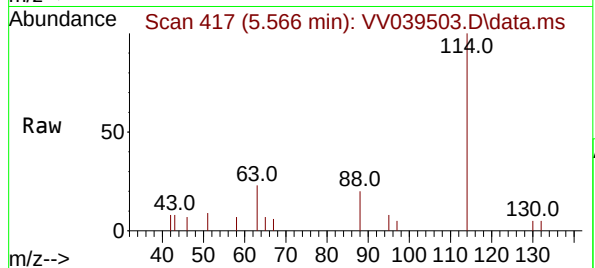




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. 0.000 min  
Lab File: VV039503.D  
Acq: 09 Dec 2025 15:00

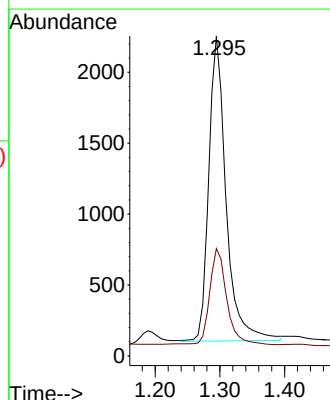
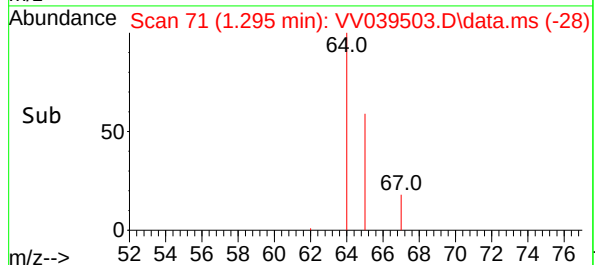
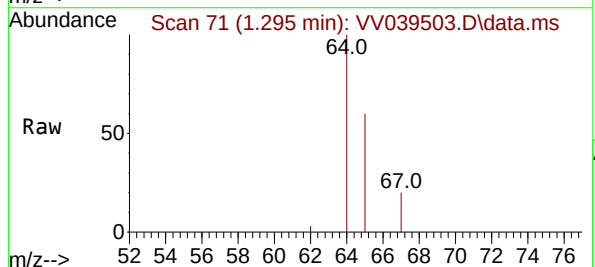
Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-14A-17.5-120325-SIM

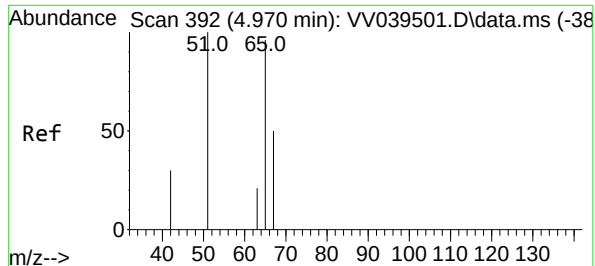
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 7765  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 18.0  | 15.0  | 22.4  |
| 88       | 14.8  | 12.0  | 18.0  |



#2  
Vinyl Chloride-d3  
Concen: 0.525 ug/L  
RT: 1.295 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VV039503.D  
Acq: 09 Dec 2025 15:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 4004  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 30.8  | 22.3  | 41.5  |

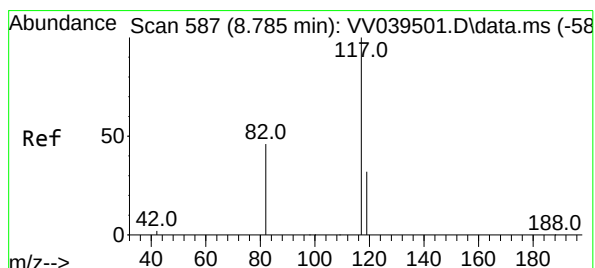
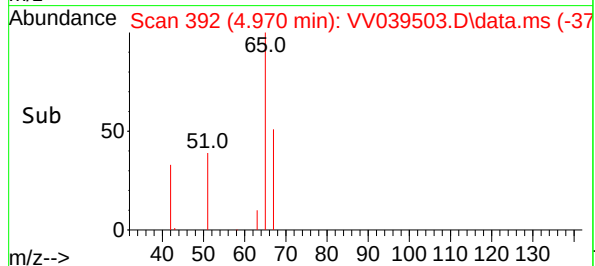
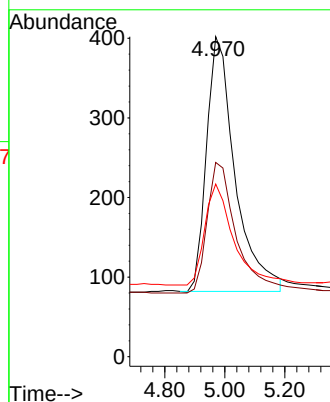
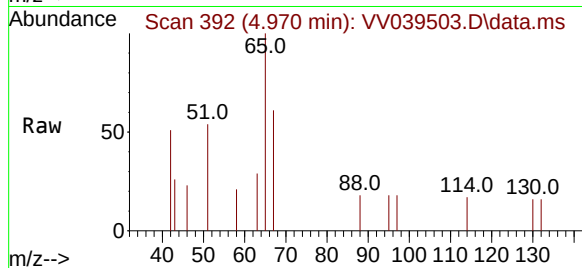




#4  
1,2-Dichloroethane-d4  
Concen: 0.409 ug/L  
RT: 4.970 min Scan# 392  
Delta R.T. 0.001 min  
Lab File: VV039503.D  
Acq: 09 Dec 2025 15:00

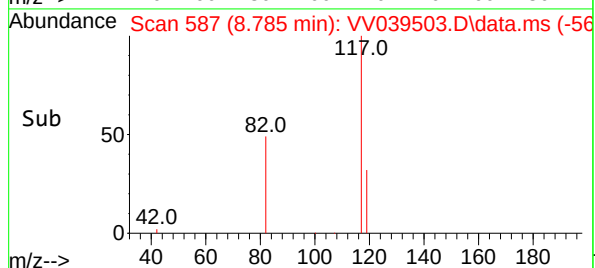
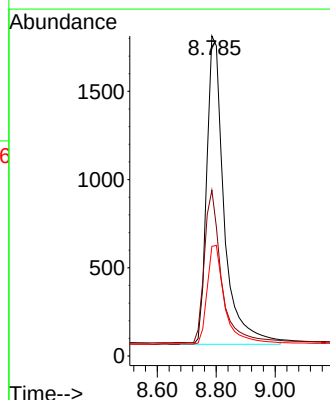
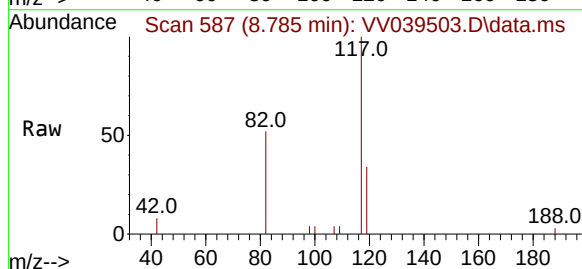
Instrument : MSVOA\_V  
ClientSampleId : MW-14A-17.5-120325-SIM

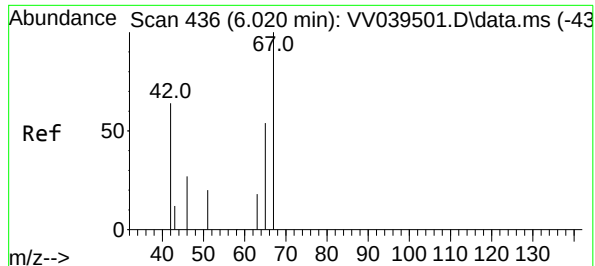
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 2117  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 52.3  | 32.5  | 60.3  |
| 51       | 40.2  | 121.4 | 225.6 |



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.785 min Scan# 587  
Delta R.T. -0.000 min  
Lab File: VV039503.D  
Acq: 09 Dec 2025 15:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 7166  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 48.2  | 39.4  | 59.2  |
| 119      | 32.4  | 26.2  | 39.2  |

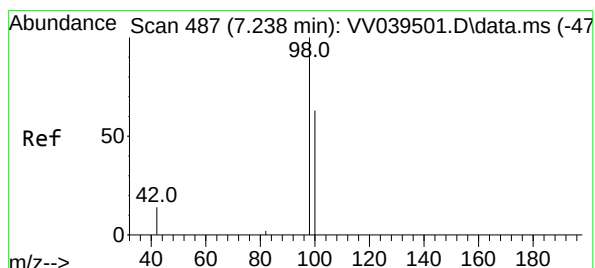
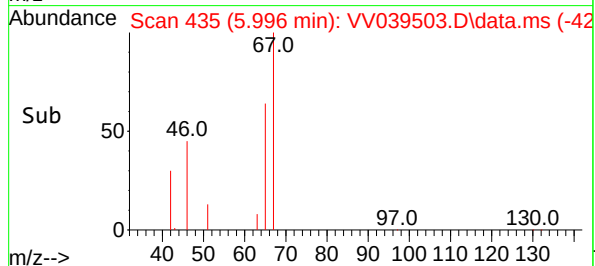
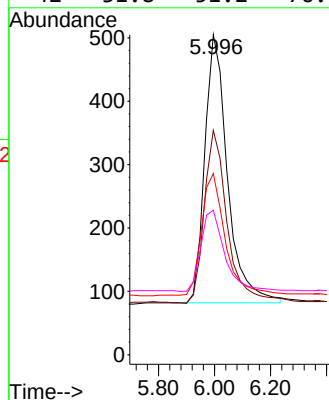
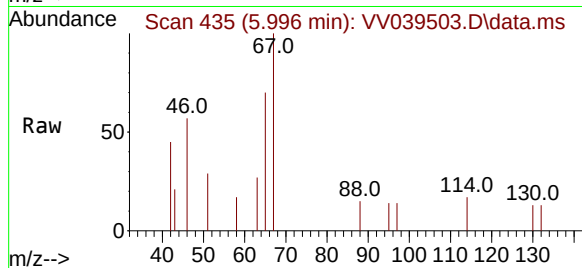




#7  
1,2-Dichloropropane-d6  
Concen: 0.394 ug/L  
RT: 5.996 min Scan# 41  
Delta R.T. -0.023 min  
Lab File: VV039503.D  
Acq: 09 Dec 2025 15:00

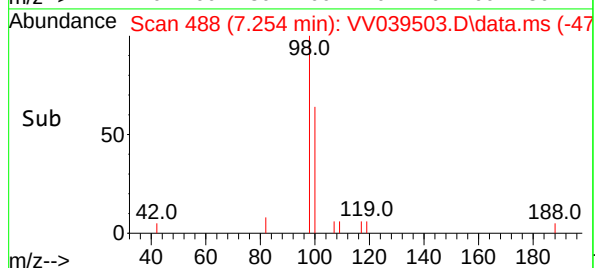
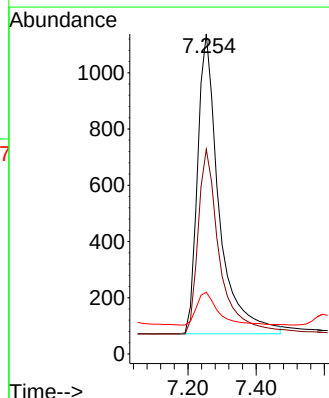
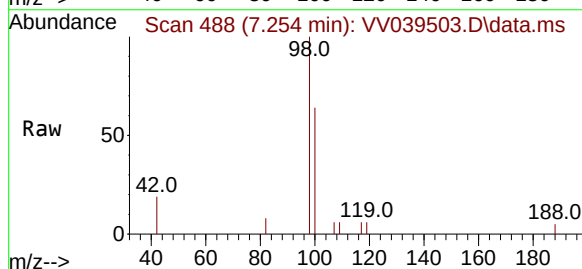
Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-14A-17.5-120325-SIM

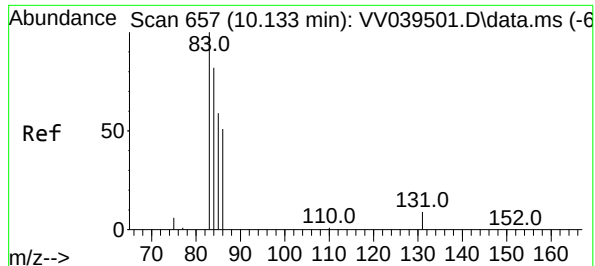
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 67    | Resp: | 2385  |
| Ion      | Ratio | Lower | Upper |
| 67       | 100   |       |       |
| 65       | 64.8  | 37.9  | 56.9# |
| 46       | 48.3  | 27.4  | 41.0# |
| 42       | 31.8  | 51.2  | 76.8# |



#8  
Toluene-d8  
Concen: 0.456 ug/L  
RT: 7.254 min Scan# 488  
Delta R.T. 0.016 min  
Lab File: VV039503.D  
Acq: 09 Dec 2025 15:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 4648  |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 61.8  | 44.5  | 82.7  |
| 42       | 10.9  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.514 ug/L

RT: 10.133 min Scan# 657

Delta R.T. -0.000 min

Lab File: VV039503.D

Acq: 09 Dec 2025 15:00

Instrument :

MSVOA\_V

ClientSampleId :

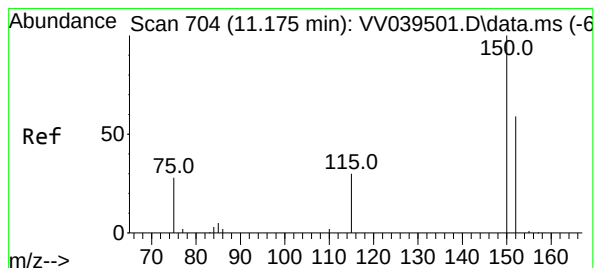
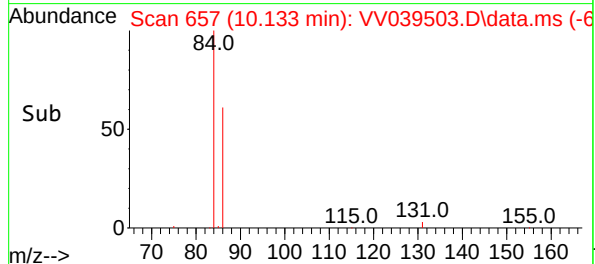
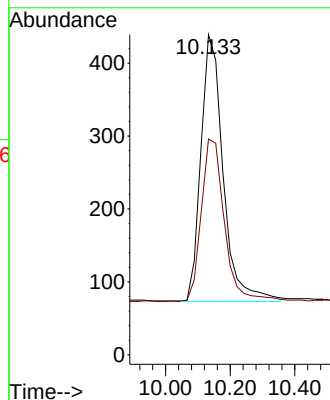
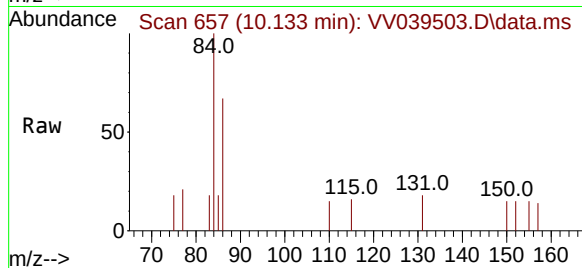
MW-14A-17.5-120325-SIM

Tgt Ion: 84 Resp: 1751

Ion Ratio Lower Upper

84 100

86 63.2 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.175 min Scan# 704

Delta R.T. 0.000 min

Lab File: VV039503.D

Acq: 09 Dec 2025 15:00

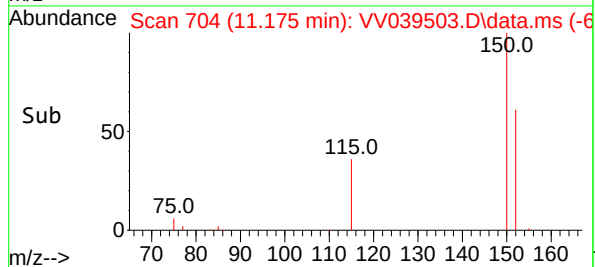
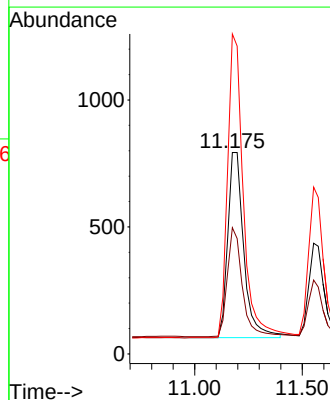
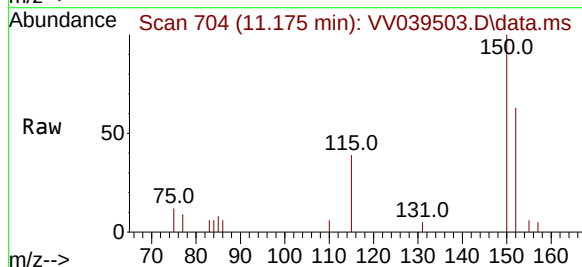
Tgt Ion: 152 Resp: 3774

Ion Ratio Lower Upper

152 100

115 54.8 0.0 101.6

150 160.4 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120925\  
 Data File : VV039504.D  
 Acq On : 09 Dec 2025 15:21  
 Operator : SY/MD  
 Sample : Q3757-06  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MW-14B-46-120325-SIM

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2025  
 Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 10 01:16:51 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Dec 09 08:40:48 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 7740     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 7407     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.175 | 152  | 3976     | 0.500 | ug/L  | 0.00     |

### System Monitoring Compounds

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 3929m    | 0.517    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 104.000% |
| 4) 1,2-Dichloroethane-d4      | 4.993  | 65    | 2089     | 0.405    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 82.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.995  | 67    | 2395     | 0.383    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 76.000%  |
| 8) Toluene-d8                 | 7.253  | 98    | 4563     | 0.433    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 86.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1743     | 0.495    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 98.000%  |

Target Compounds Qvalue

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

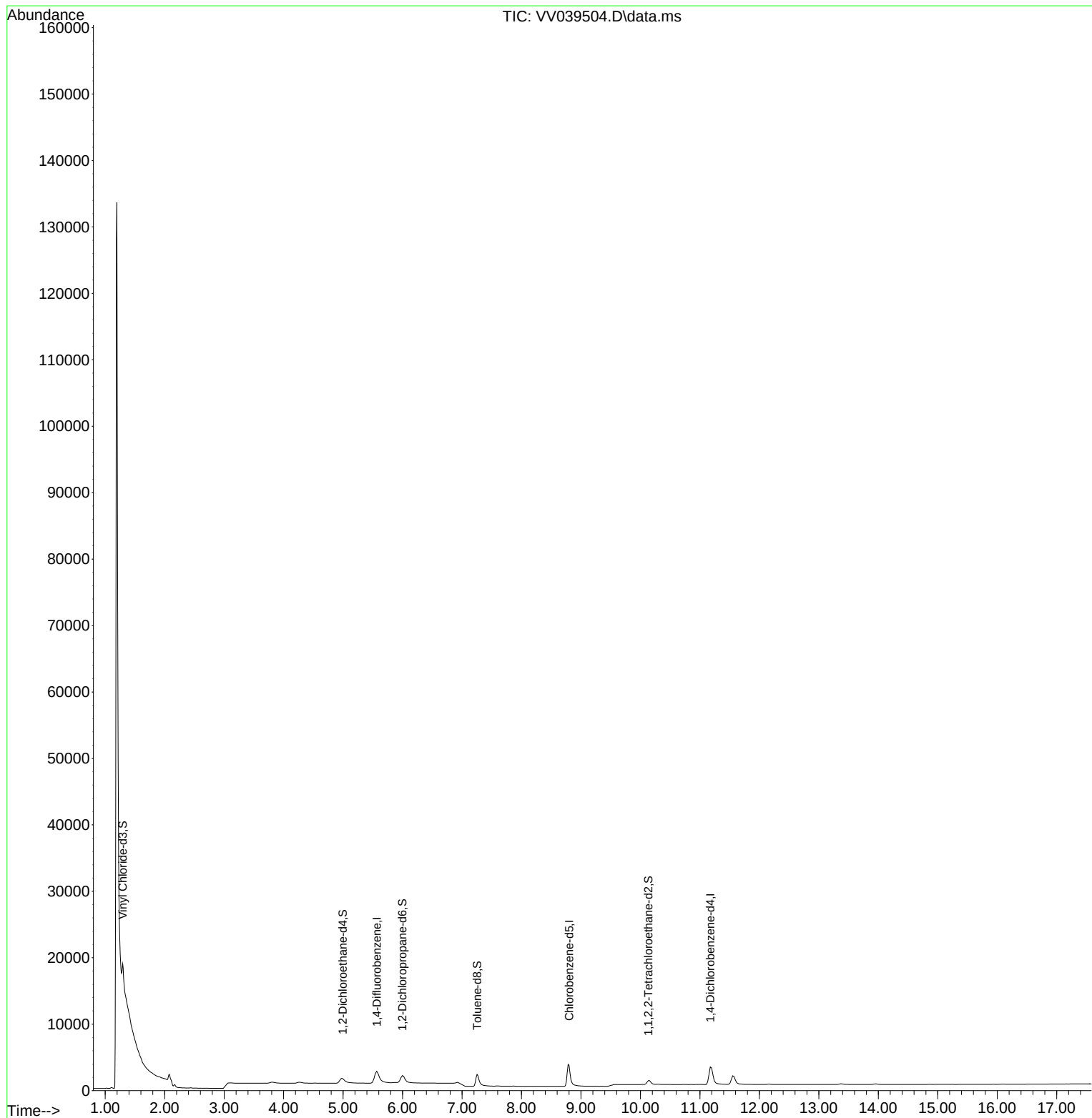
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120925\  
Data File : VV039504.D  
Acq On : 09 Dec 2025 15:21  
Operator : SY/MD  
Sample : Q3757-06  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-14B-46-120325-SIM

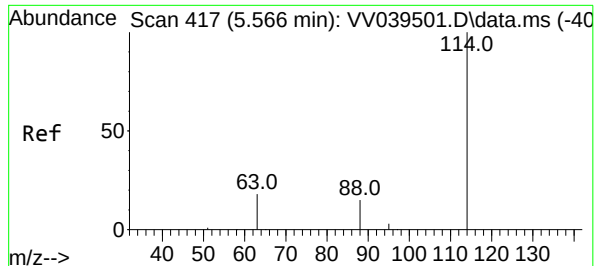
Manual Integrations  
APPROVED

Reviewed By : John Carlone 12/10/2025  
Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 10 01:16:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 09 08:40:48 2025  
Response via : Initial Calibration

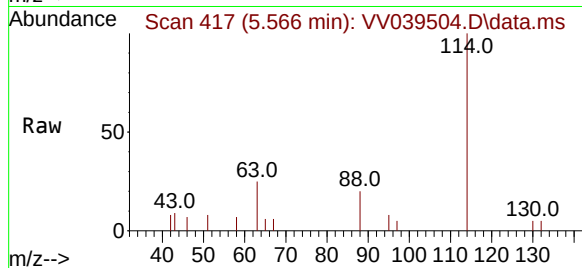






#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. -0.000 min  
Lab File: VV039504.D  
Acq: 09 Dec 2025 15:21

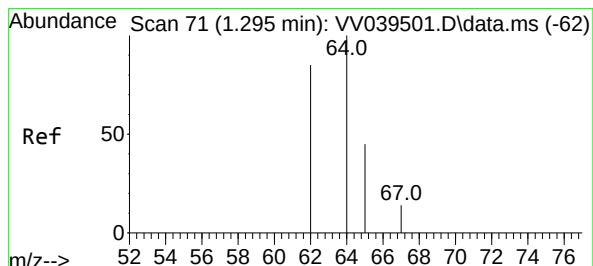
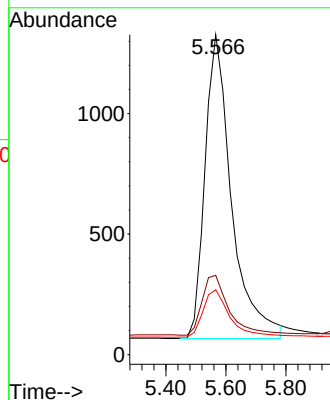
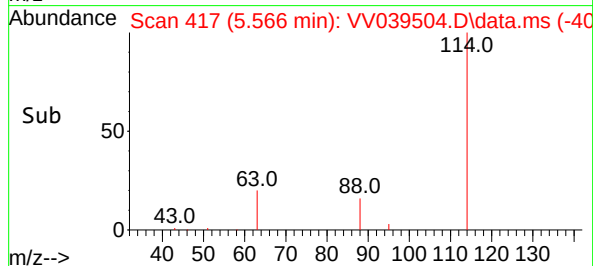
Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-14B-46-120325-SIM



Tgt Ion: 114 Resp: 7740  
Ion Ratio Lower Upper  
114 100  
63 20.0 15.0 22.4  
88 15.8 12.0 18.0

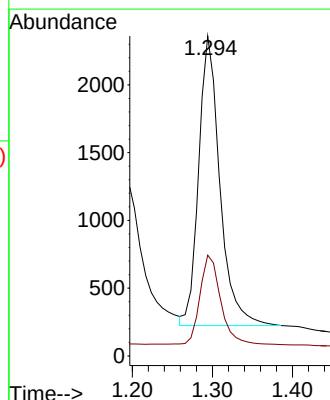
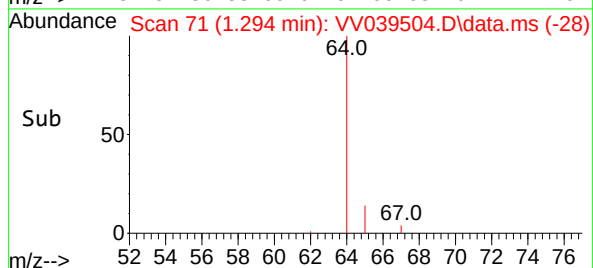
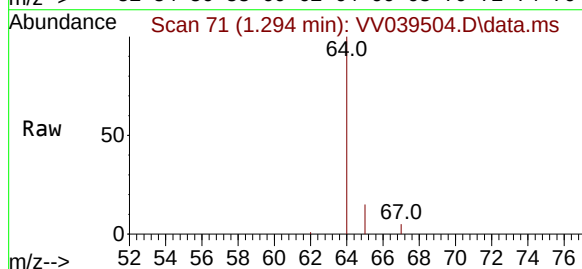
Manual Integrations  
APPROVED

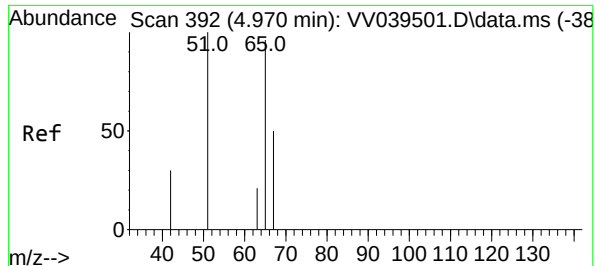
Reviewed By : John Carlone 12/10/2025  
Supervised By : Mahesh Dadoda 12/10/2025



#2  
Vinyl Chloride-d3  
Concen: 0.517 ug/L m  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039504.D  
Acq: 09 Dec 2025 15:21

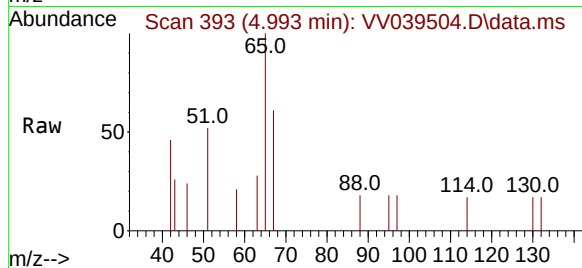
Tgt Ion: 65 Resp: 3929  
Ion Ratio Lower Upper  
65 100  
67 32.7 22.3 41.5





#4  
1,2-Dichloroethane-d4  
Concen: 0.405 ug/L  
RT: 4.993 min Scan# 393  
Delta R.T. 0.024 min  
Lab File: VV039504.D  
Acq: 09 Dec 2025 15:21

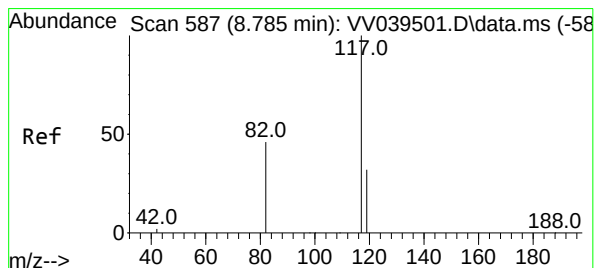
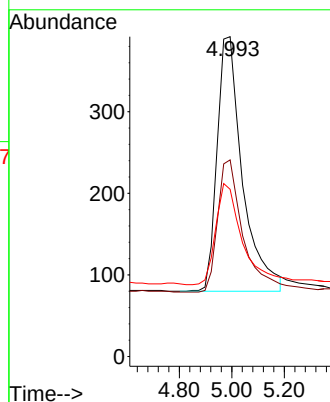
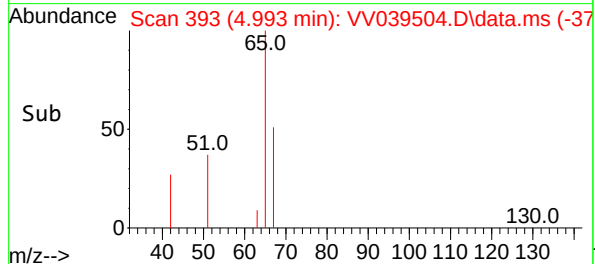
Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-14B-46-120325-SIM



Tgt Ion: 65 Resp: 2089  
Ion Ratio Lower Upper  
65 100  
67 51.8 32.5 60.3  
51 41.5 121.4 225.6

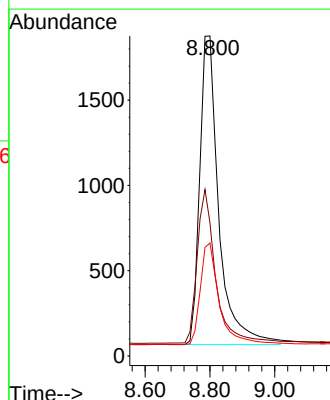
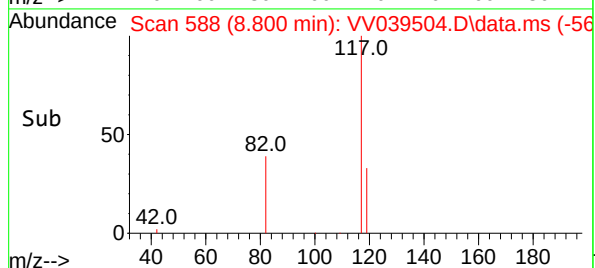
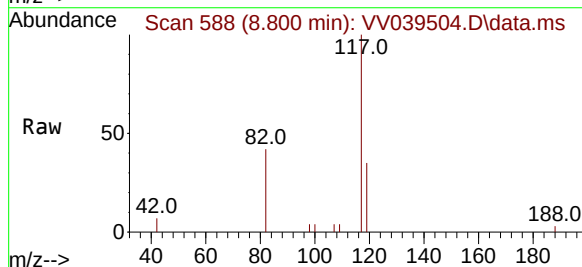
Manual Integrations  
APPROVED

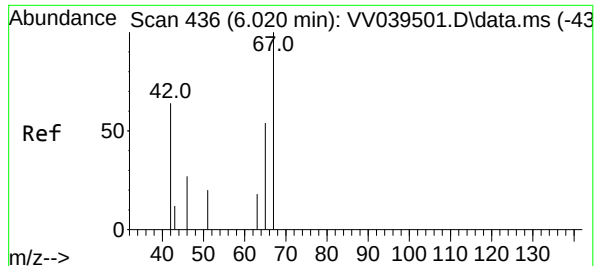
Reviewed By :John Carlone 12/10/2025  
Supervised By :Mahesh Dadoda 12/10/2025



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.015 min  
Lab File: VV039504.D  
Acq: 09 Dec 2025 15:21

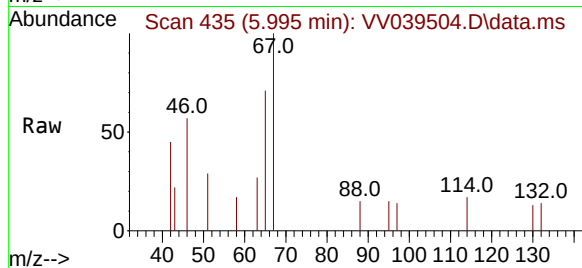
Tgt Ion:117 Resp: 7407  
Ion Ratio Lower Upper  
117 100  
82 48.5 39.4 59.2  
119 32.3 26.2 39.2





#7  
1,2-Dichloropropane-d6  
Concen: 0.383 ug/L  
RT: 5.995 min Scan# 436  
Delta R.T. -0.024 min  
Lab File: VV039504.D  
Acq: 09 Dec 2025 15:21

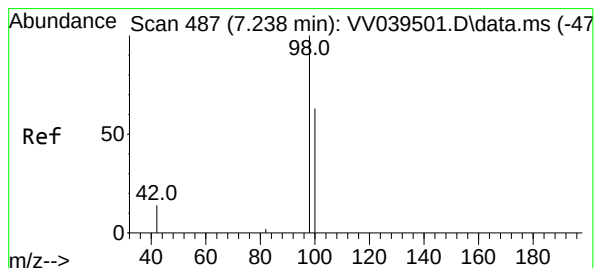
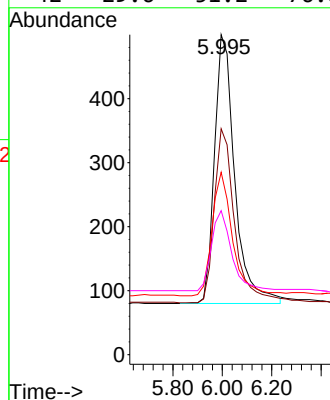
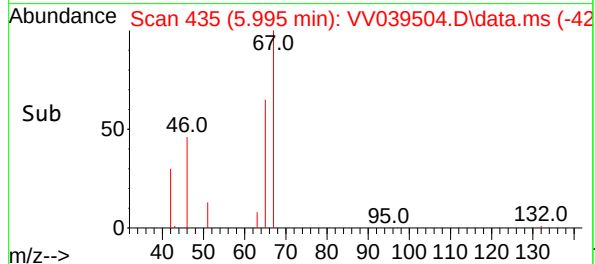
Instrument :  
MSVOA\_V  
ClientSampleId :  
MW-14B-46-120325-SIM



Tgt Ion: 67 Resp: 239  
Ion Ratio Lower Upper  
67 100  
65 65.0 37.9 56.9  
46 46.3 27.4 41.0  
42 29.6 51.2 76.8

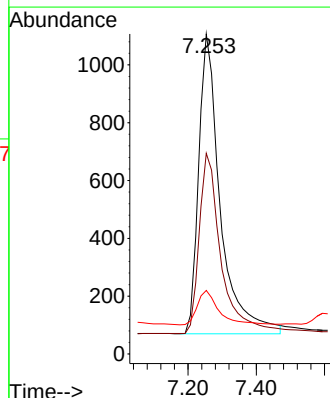
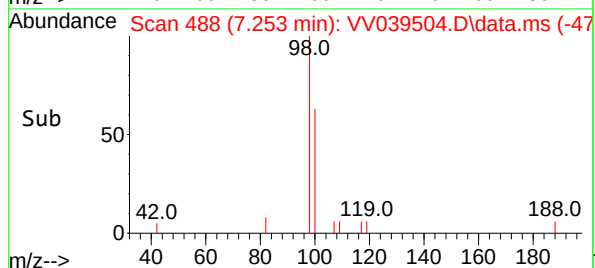
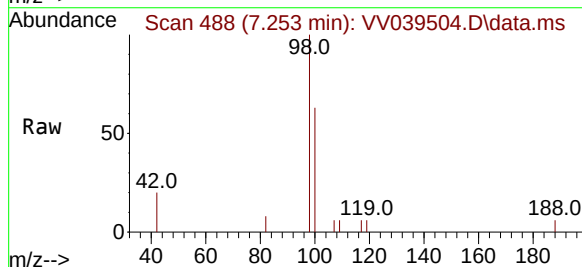
Manual Integrations  
APPROVED

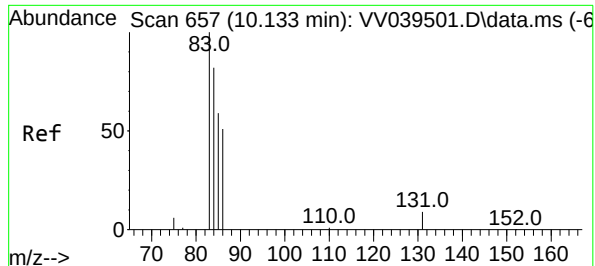
Reviewed By :John Carlone 12/10/2025  
Supervised By :Mahesh Dadoda 12/10/2025



#8  
Toluene-d8  
Concen: 0.433 ug/L  
RT: 7.253 min Scan# 488  
Delta R.T. 0.015 min  
Lab File: VV039504.D  
Acq: 09 Dec 2025 15:21

Tgt Ion: 98 Resp: 4563  
Ion Ratio Lower Upper  
98 100  
100 60.5 44.5 82.7  
42 11.4 10.1 18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.495 ug/L

RT: 10.133 min Scan# 657

Delta R.T. -0.000 min

Lab File: VV039504.D

Acq: 09 Dec 2025 15:21

Instrument :

MSVOA\_V

ClientSampleId :

MW-14B-46-120325-SIM

Tgt Ion: 84 Resp: 174

Ion Ratio Lower Upper

84 100

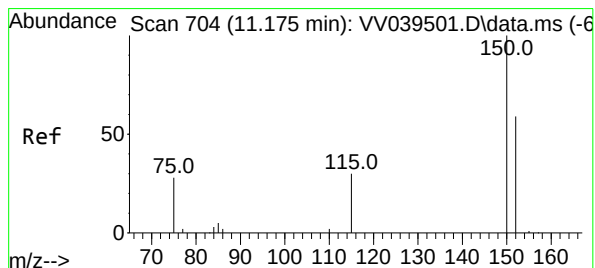
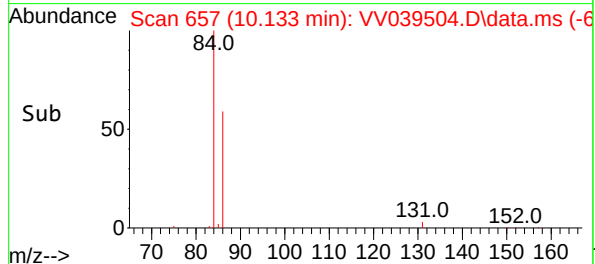
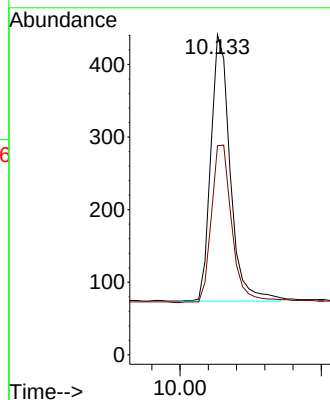
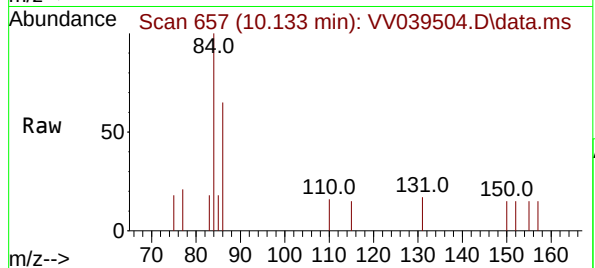
86 62.8 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.175 min Scan# 704

Delta R.T. -0.000 min

Lab File: VV039504.D

Acq: 09 Dec 2025 15:21

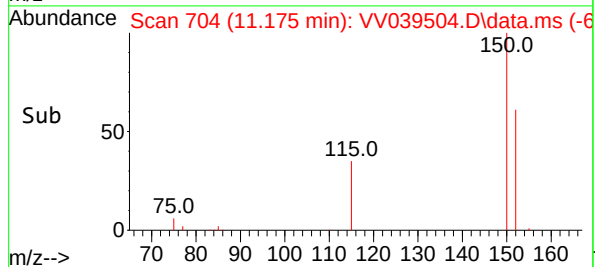
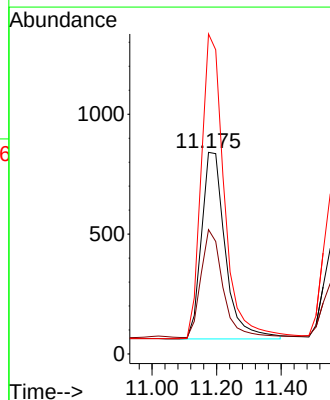
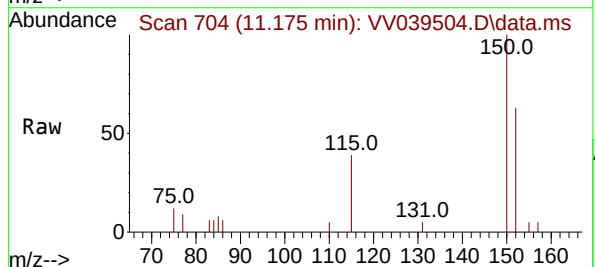
Tgt Ion:152 Resp: 3976

Ion Ratio Lower Upper

152 100

115 53.3 0.0 101.6

150 157.3 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
 Data File : VV039477.D  
 Acq On : 05 Dec 2025 14:16  
 Operator : SY/MD  
 Sample : Q3757-08  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 RMW-05B-90.5-120325-SIM

Quant Time: Dec 05 22:48:51 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Dec 04 00:58:46 2025  
 Response via : Initial Calibration

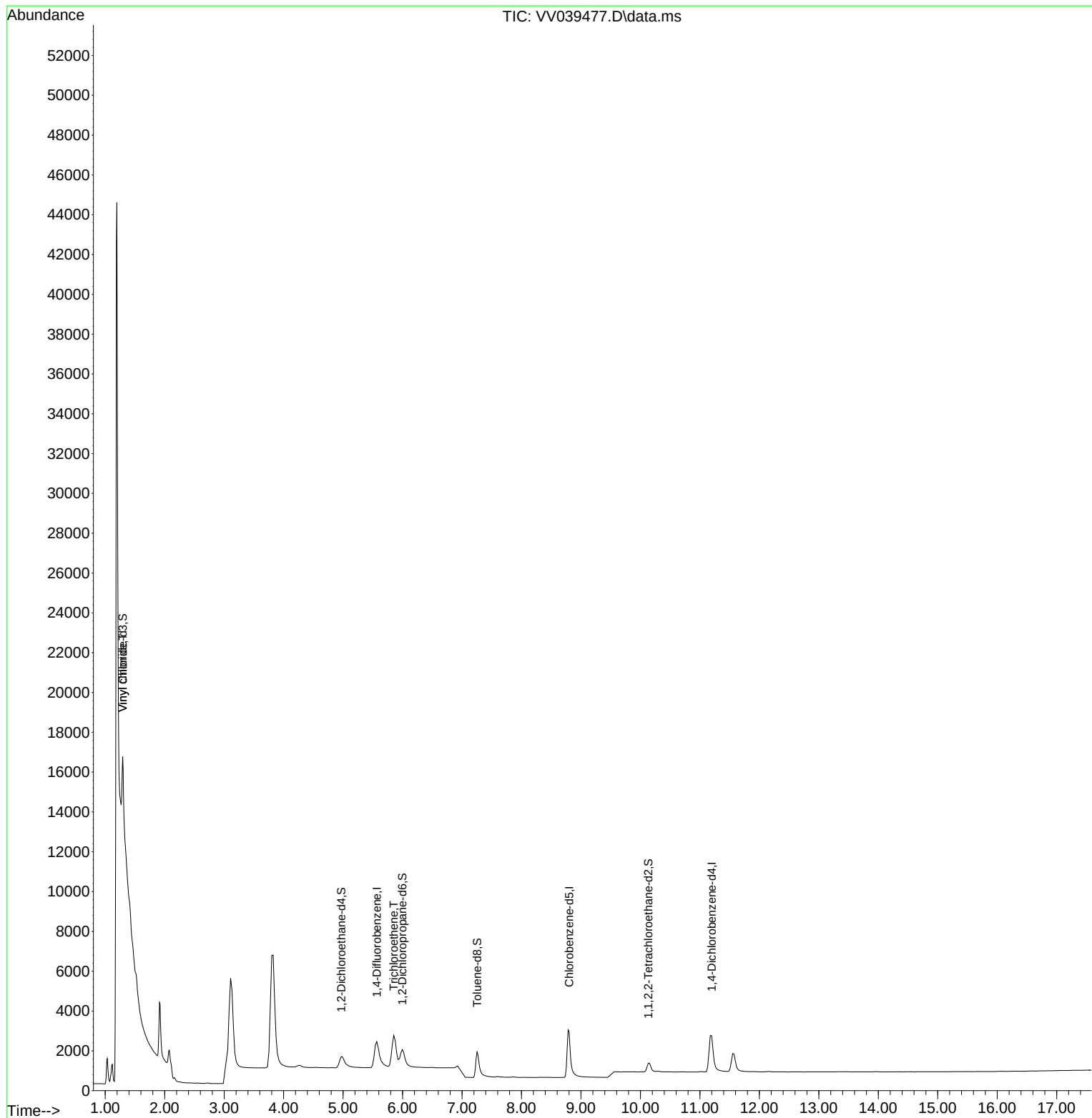
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.566  | 114   | 6011     | 0.500    | ug/L   | 0.00     |
| 5) Chlorobenzene-d5           | 8.800  | 117   | 5568     | 0.500    | ug/L   | 0.02     |
| 12) 1,4-Dichlorobenzene-d4    | 11.197 | 152   | 2844     | 0.500    | ug/L   | 0.02     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 3092     | 0.512    | ug/L   | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =      | 102.000% |
| 4) 1,2-Dichloroethane-d4      | 4.969  | 65    | 1638     | 0.409    | ug/L   | 0.00     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =      | 82.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.995  | 67    | 1778     | 0.378    | ug/L   | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =      | 76.000%  |
| 8) Toluene-d8                 | 7.253  | 98    | 3360     | 0.424    | ug/L   | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =      | 84.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1359     | 0.513    | ug/L   | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =      | 102.000% |
| Target Compounds              |        |       |          |          |        |          |
| 3) Vinyl chloride             | 1.294  | 62    | 1523     | 0.117    | ug/L # | 1        |
| 6) Trichloroethene            | 5.852  | 95    | 2319     | 0.336    | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

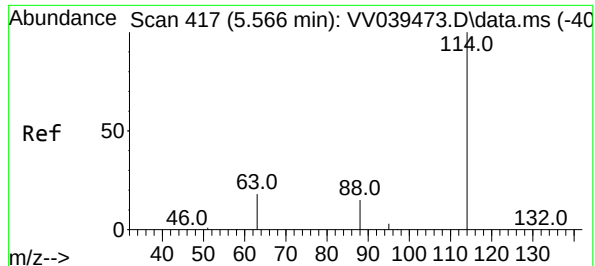
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
Data File : VV039477.D  
Acq On : 05 Dec 2025 14:16  
Operator : SY/MD  
Sample : Q3757-08  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
RMW-05B-90.5-120325-SIM

Quant Time: Dec 05 22:48:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

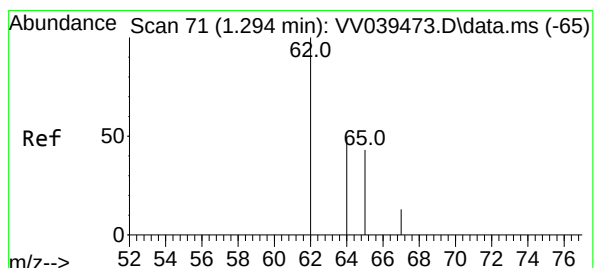
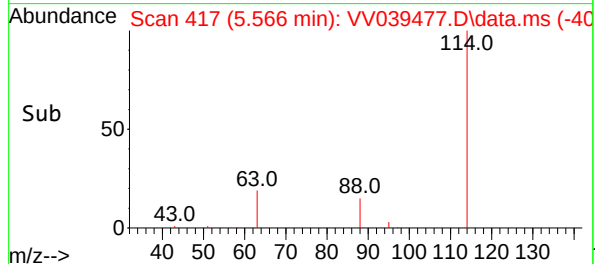
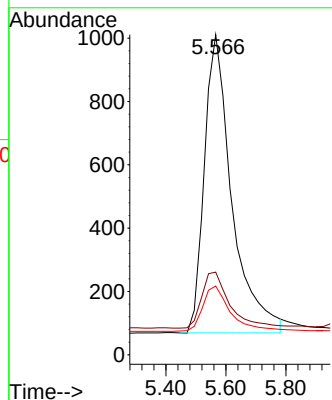
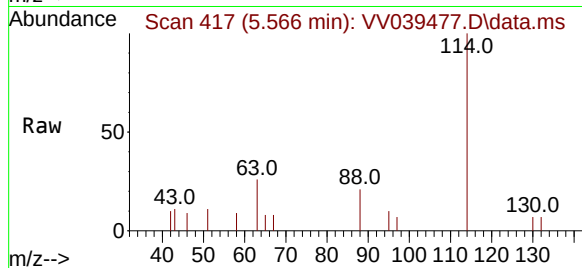




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. -0.000 min  
Lab File: VV039477.D  
Acq: 05 Dec 2025 14:16

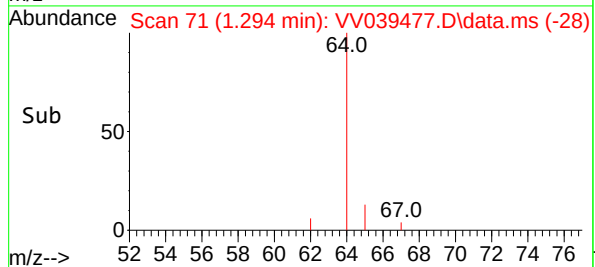
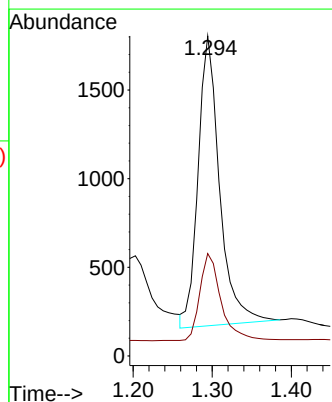
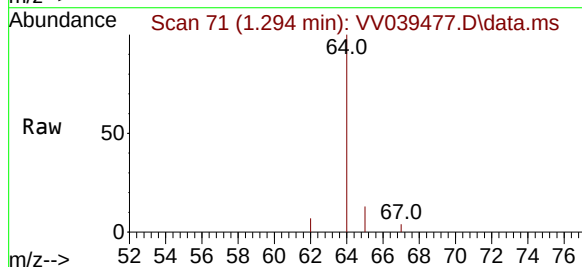
Instrument :  
MSVOA\_V  
ClientSampleId :  
RMW-05B-90.5-120325-SIM

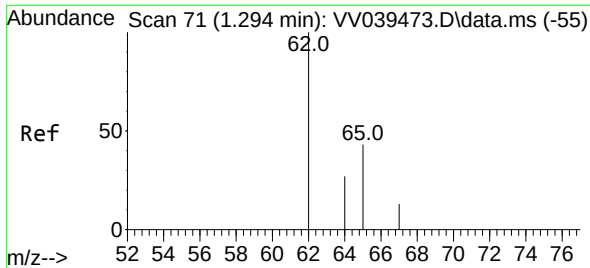
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 6011        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 19.2  | 15.0 22.4   |
| 88          | 15.2  | 12.0 18.0   |



#2  
Vinyl Chloride-d3  
Concen: 0.512 ug/L  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039477.D  
Acq: 05 Dec 2025 14:16

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 65 | Resp: | 3092        |
| Ion         | Ratio | Lower Upper |
| 65          | 100   |             |
| 67          | 30.3  | 22.3 41.5   |





#3

Vinyl chloride

Concen: 0.117 ug/L

RT: 1.294 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV039477.D

Acq: 05 Dec 2025 14:16

Instrument :

MSVOA\_V

ClientSampleId :

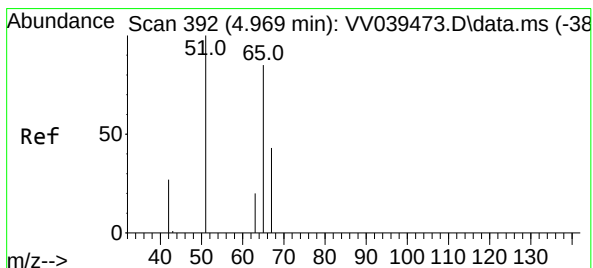
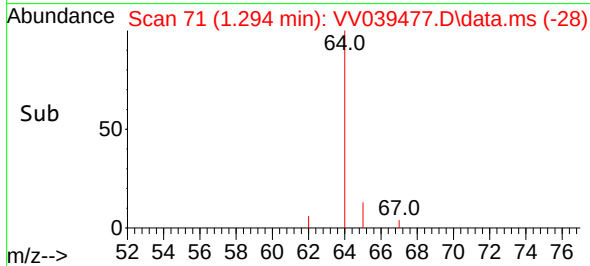
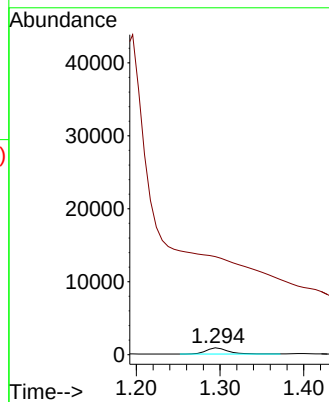
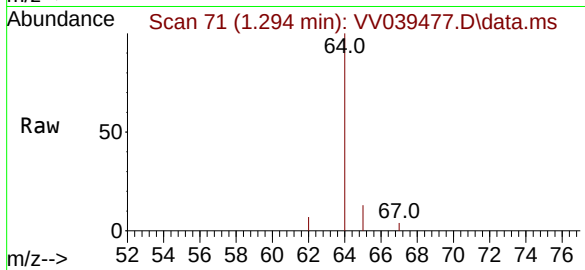
RMW-05B-90.5-120325-SIM

Tgt Ion: 62 Resp: 1523

Ion Ratio Lower Upper

62 100

64 1425.0 24.8 46.0#



#4

1,2-Dichloroethane-d4

Concen: 0.409 ug/L

RT: 4.969 min Scan# 392

Delta R.T. 0.000 min

Lab File: VV039477.D

Acq: 05 Dec 2025 14:16

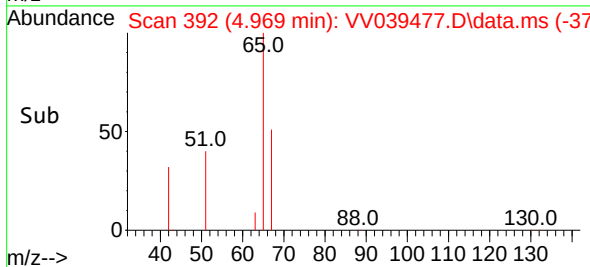
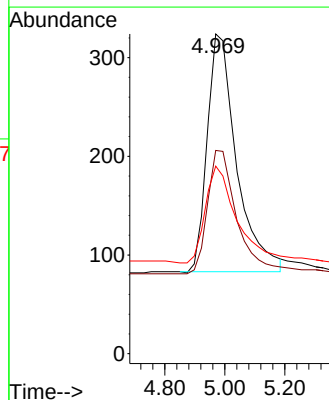
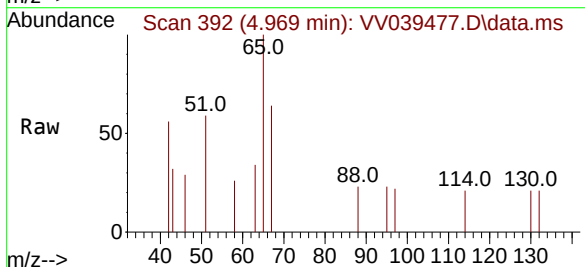
Tgt Ion: 65 Resp: 1638

Ion Ratio Lower Upper

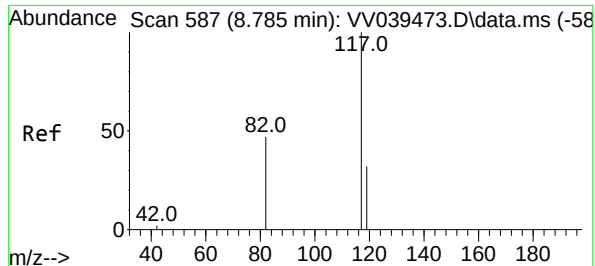
65 100

67 51.6 32.5 60.3

51 43.5 121.4 225.6#



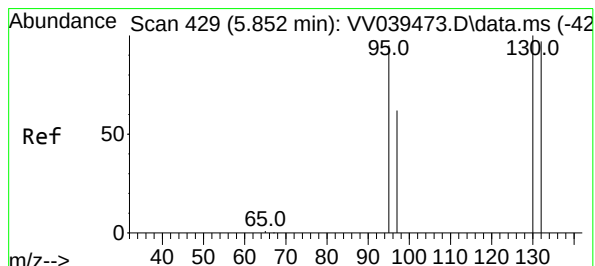
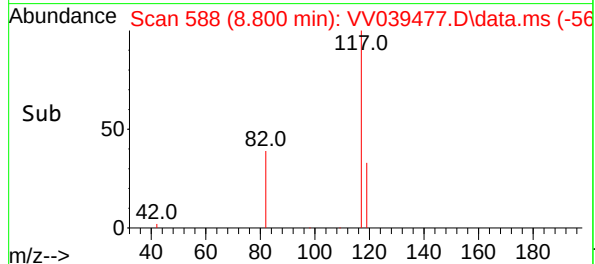
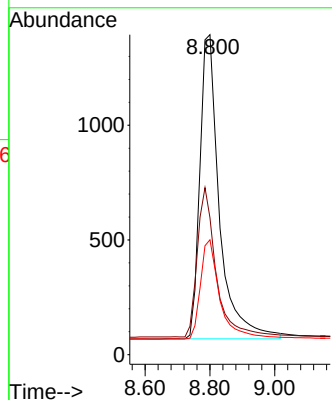
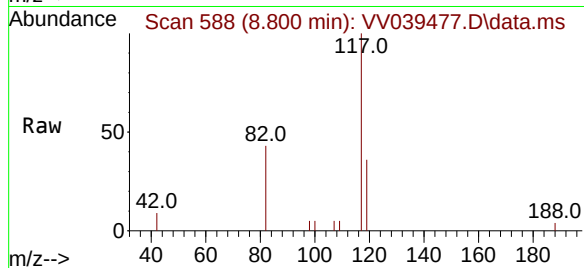




#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 511  
Delta R.T. 0.015 min  
Lab File: VV039477.D  
Acq: 05 Dec 2025 14:16

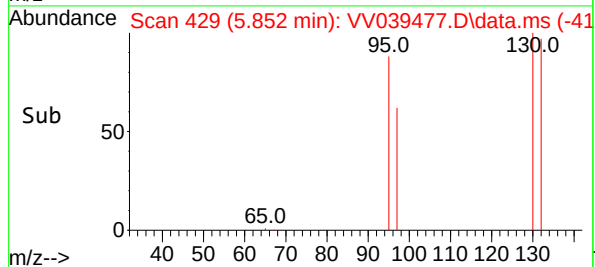
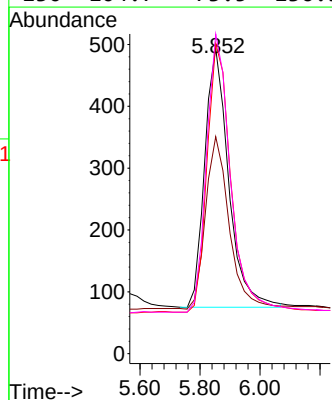
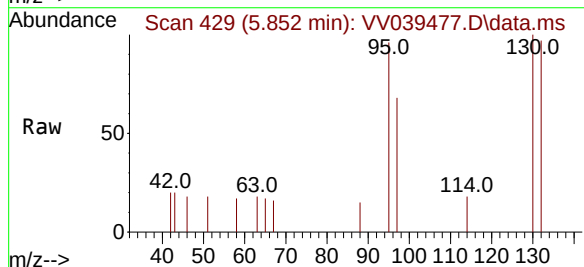
Instrument :  
MSVOA\_V  
ClientSampleId :  
RMW-05B-90.5-120325-SIM

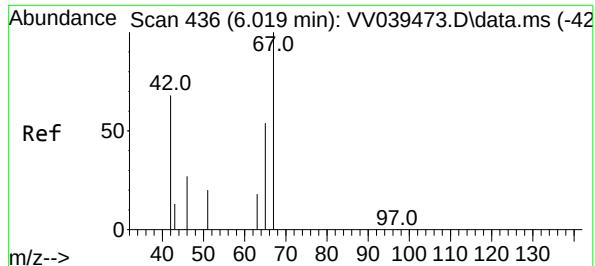
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 5568  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 47.6  | 39.4  | 59.2  |
| 119      | 32.6  | 26.2  | 39.2  |



#6  
Trichloroethene  
Concen: 0.336 ug/L  
RT: 5.852 min Scan# 429  
Delta R.T. 0.000 min  
Lab File: VV039477.D  
Acq: 05 Dec 2025 14:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 2319  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 71.1  | 47.7  | 88.7  |
| 132      | 101.6 | 70.8  | 131.4 |
| 130      | 104.7 | 73.5  | 136.5 |



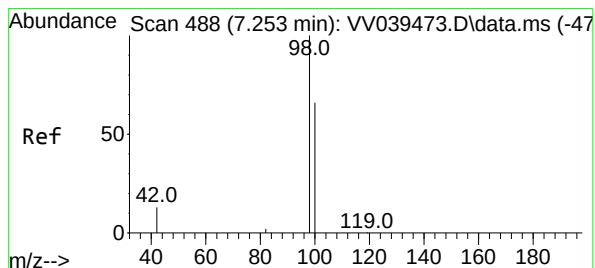
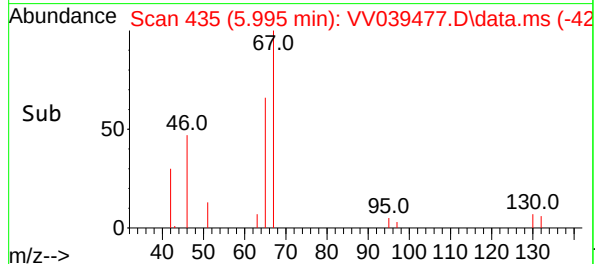
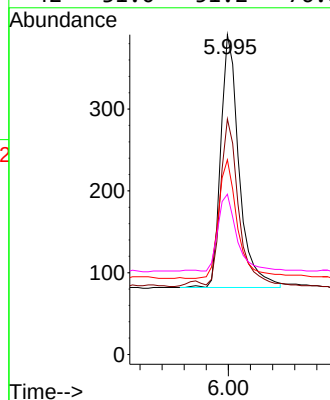
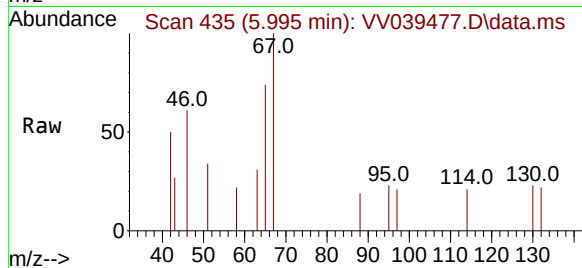


#7  
1,2-Dichloropropane-d6  
Concen: 0.378 ug/L  
RT: 5.995 min Scan# 436  
Delta R.T. -0.024 min  
Lab File: VV039477.D  
Acq: 05 Dec 2025 14:16

Instrument :  
MSVOA\_V  
ClientSampleId :  
RMW-05B-90.5-120325-SIM

Tgt Ion: 67 Resp: 1778

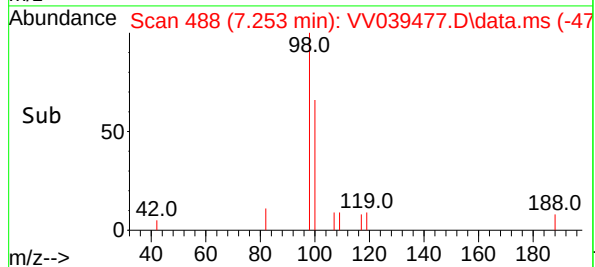
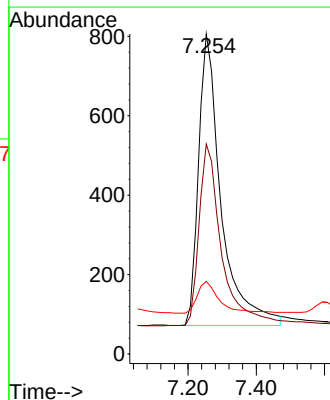
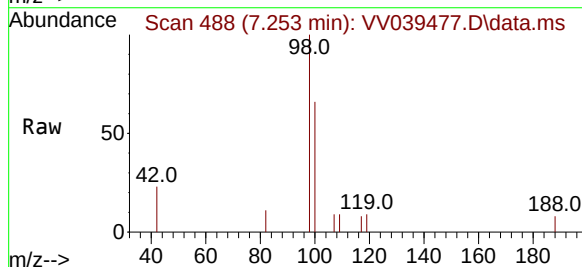
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 67  | 100   |       |       |
| 65  | 64.1  | 37.9  | 56.9# |
| 46  | 48.4  | 27.4  | 41.0# |
| 42  | 31.0  | 51.2  | 76.8# |

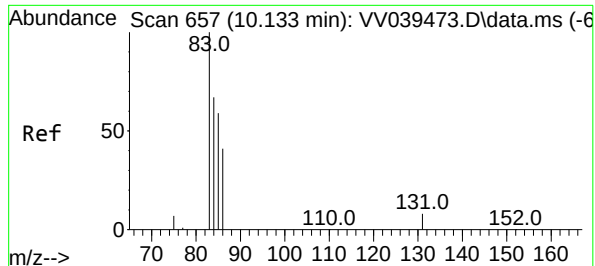


#8  
Toluene-d8  
Concen: 0.424 ug/L  
RT: 7.253 min Scan# 488  
Delta R.T. 0.015 min  
Lab File: VV039477.D  
Acq: 05 Dec 2025 14:16

Tgt Ion: 98 Resp: 3360

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 61.9  | 44.5  | 82.7  |
| 42  | 10.6  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.513 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039477.D

Acq: 05 Dec 2025 14:16

Instrument :

MSVOA\_V

ClientSampleId :

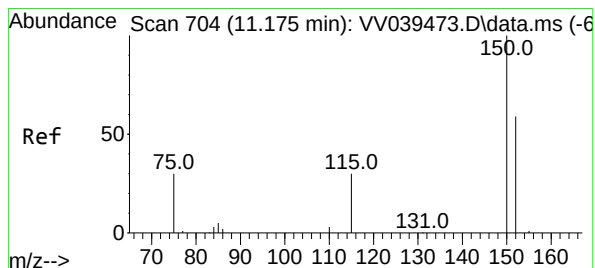
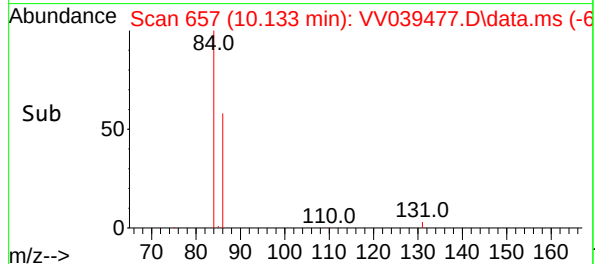
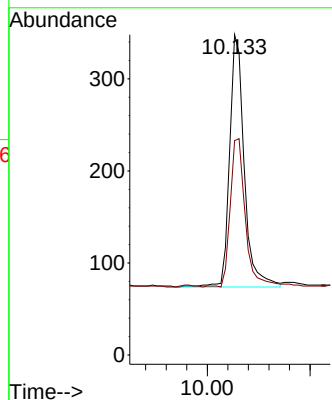
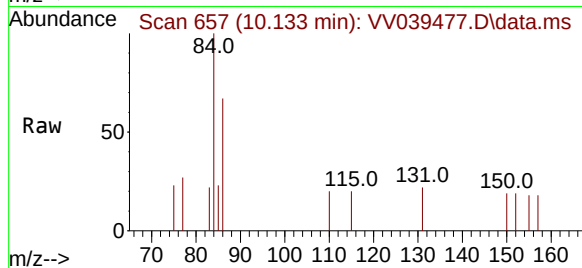
RMW-05B-90.5-120325-SIM

Tgt Ion: 84 Resp: 1359

Ion Ratio Lower Upper

84 100

86 60.5 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039477.D

Acq: 05 Dec 2025 14:16

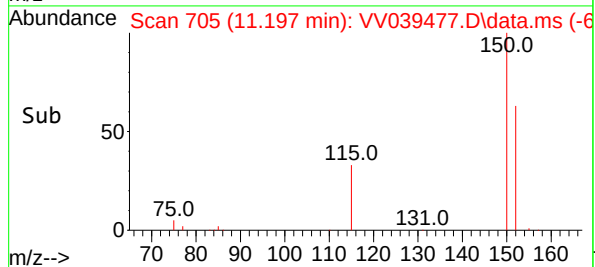
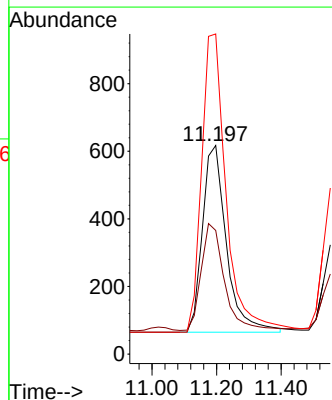
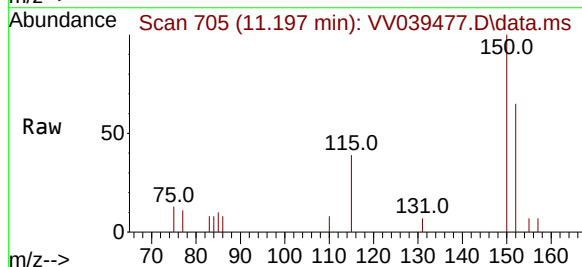
Tgt Ion: 152 Resp: 2844

Ion Ratio Lower Upper

152 100

115 55.2 0.0 101.6

150 162.3 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
Data File : VV039481.D  
Acq On : 05 Dec 2025 15:47  
Operator : SY/MD  
Sample : Q3757-10  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-05B-72-120325-SIM

Quant Time: Dec 05 22:49:35 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

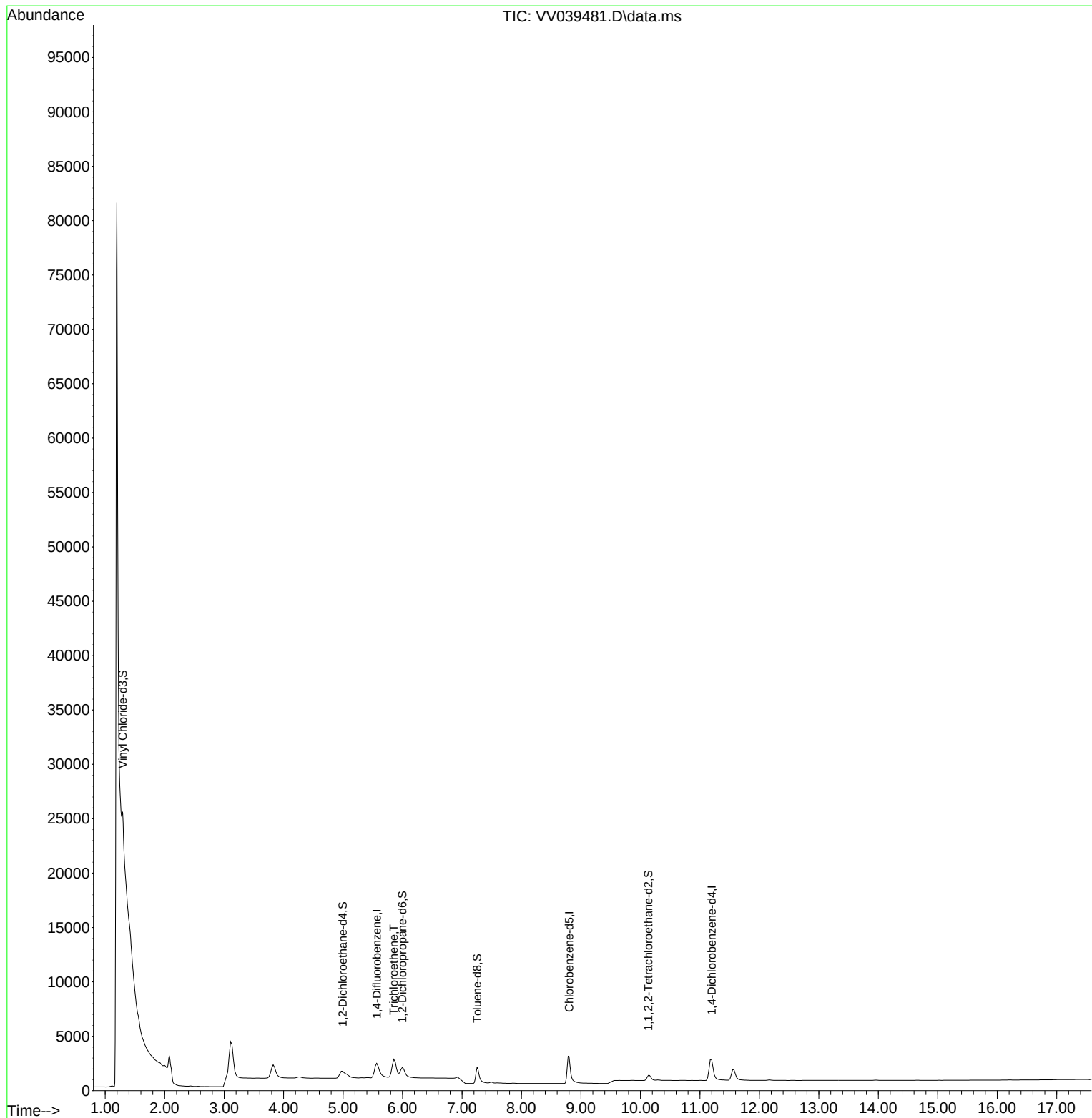
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.566  | 114   | 6092     | 0.500    | ug/L  | 0.00     |
| 5) Chlorobenzene-d5           | 8.800  | 117   | 5835     | 0.500    | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4    | 11.197 | 152   | 3054     | 0.500    | ug/L  | 0.02     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 3469     | 0.566    | ug/L  | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =     | 114.000% |
| 4) 1,2-Dichloroethane-d4      | 4.993  | 65    | 1934     | 0.477    | ug/L  | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =     | 96.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.995  | 67    | 1928     | 0.392    | ug/L  | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =     | 78.000%  |
| 8) Toluene-d8                 | 7.253  | 98    | 3680     | 0.443    | ug/L  | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =     | 88.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1408     | 0.507    | ug/L  | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =     | 102.000% |
| Target Compounds              |        |       |          |          |       |          |
| 6) Trichloroethene            | 5.852  | 95    | 2498     | 0.345    | ug/L  | 98       |
| -----                         |        |       |          |          |       |          |

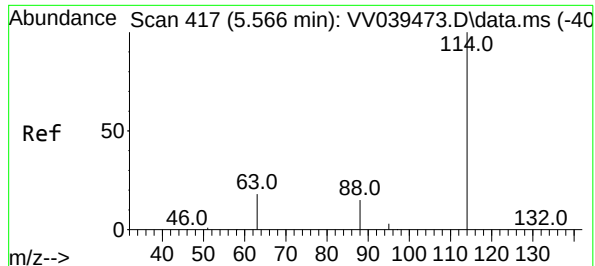
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
Data File : VV039481.D  
Acq On : 05 Dec 2025 15:47  
Operator : SY/MD  
Sample : Q3757-10  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-05B-72-120325-SIM

Quant Time: Dec 05 22:49:35 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

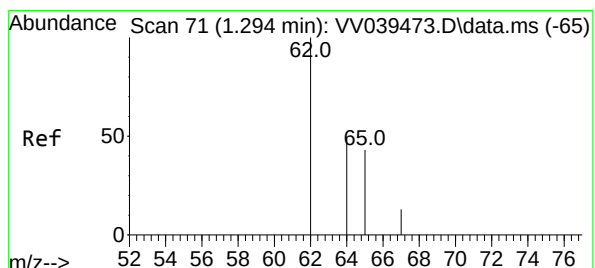
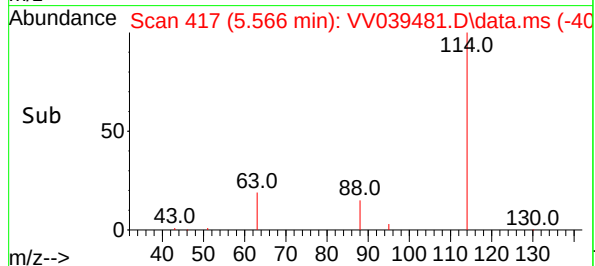
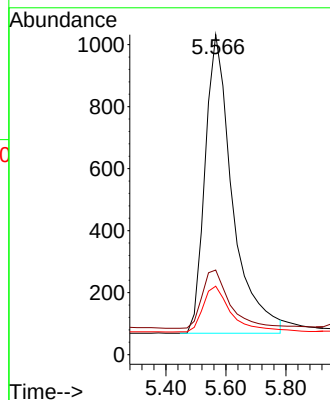
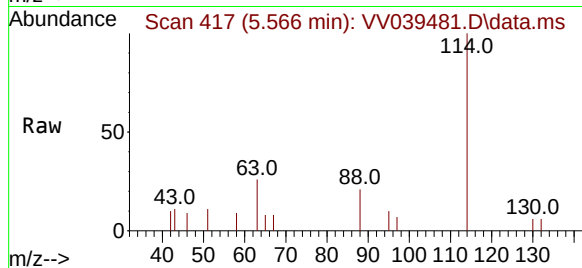




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. -0.000 min  
Lab File: VV039481.D  
Acq: 05 Dec 2025 15:47

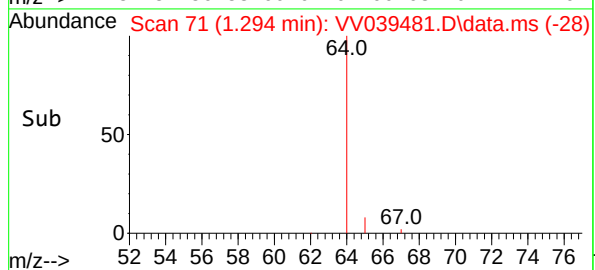
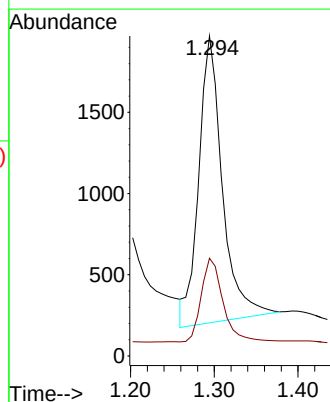
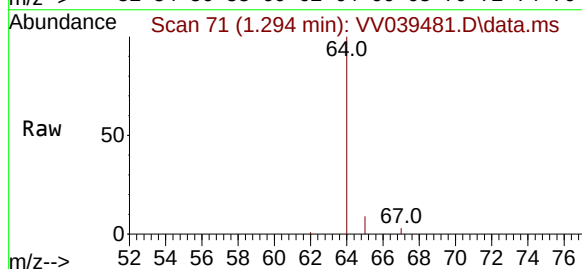
Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-05B-72-120325-SIM

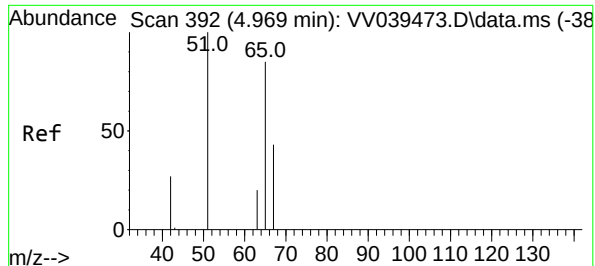
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 6092  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 19.7  | 15.0  | 22.4  |
| 88       | 15.7  | 12.0  | 18.0  |



#2  
Vinyl Chloride-d3  
Concen: 0.566 ug/L  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039481.D  
Acq: 05 Dec 2025 15:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 3469  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 27.2  | 22.3  | 41.5  |

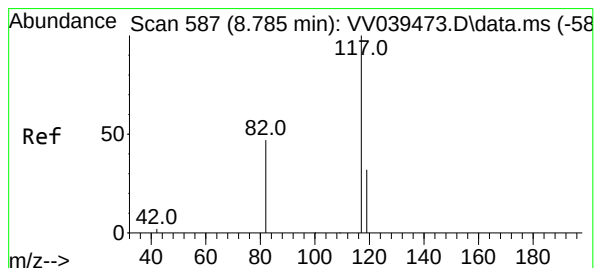
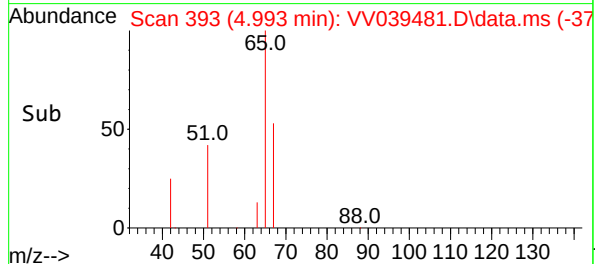
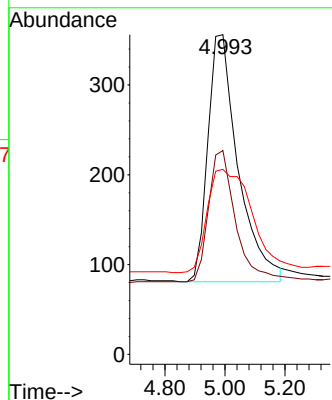
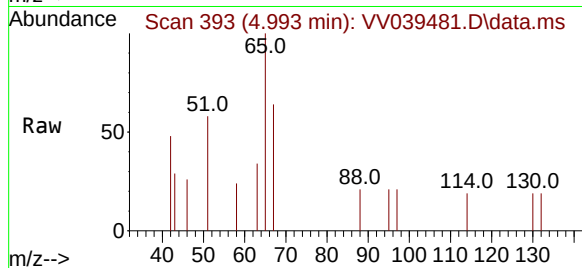




#4  
1,2-Dichloroethane-d4  
Concen: 0.477 ug/L  
RT: 4.993 min Scan# 392  
Delta R.T. 0.024 min  
Lab File: VV039481.D  
Acq: 05 Dec 2025 15:47

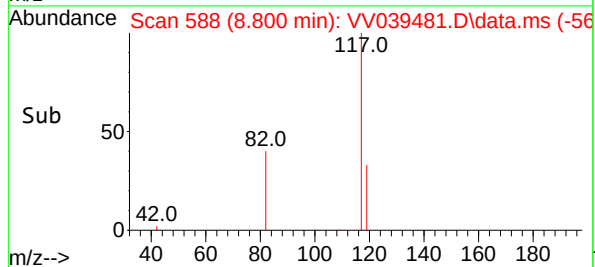
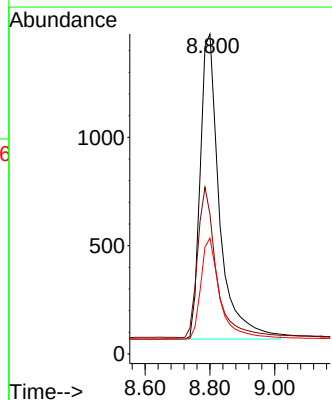
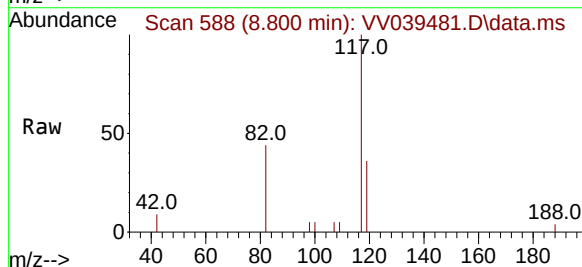
Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-05B-72-120325-SIM

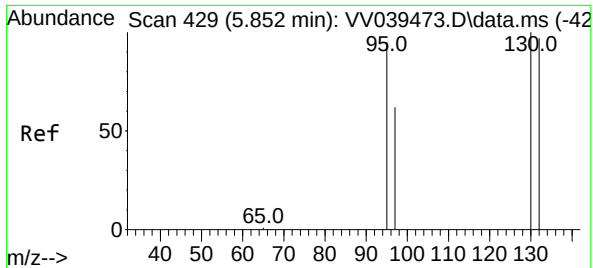
Tgt Ion: 65 Resp: 1934  
Ion Ratio Lower Upper  
65 100  
67 47.2 32.5 60.3  
51 60.9 121.4 225.6#



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.015 min  
Lab File: VV039481.D  
Acq: 05 Dec 2025 15:47

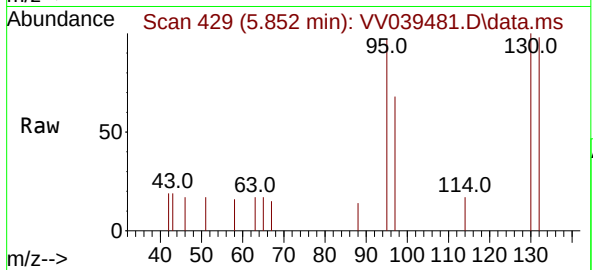
Tgt Ion: 117 Resp: 5835  
Ion Ratio Lower Upper  
117 100  
82 48.3 39.4 59.2  
119 33.2 26.2 39.2





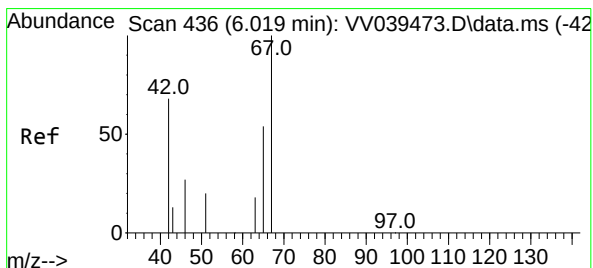
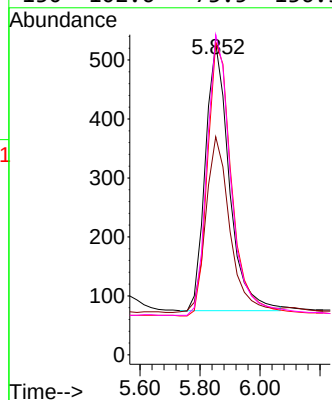
#6  
Trichloroethene  
Concen: 0.345 ug/L  
RT: 5.852 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV039481.D  
Acq: 05 Dec 2025 15:47

Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-05B-72-120325-SIM



Tgt Ion: 95 Resp: 2498

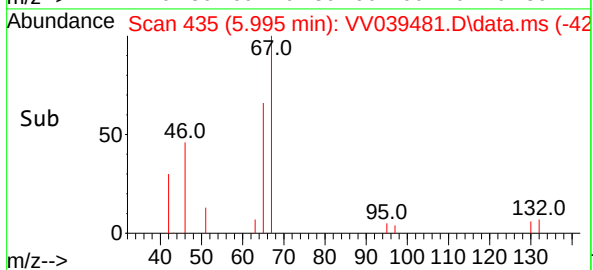
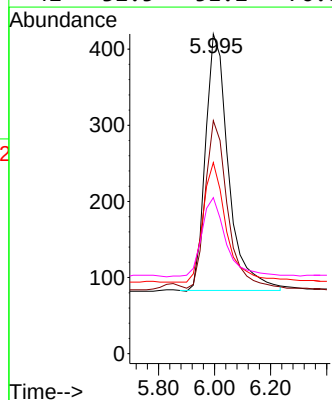
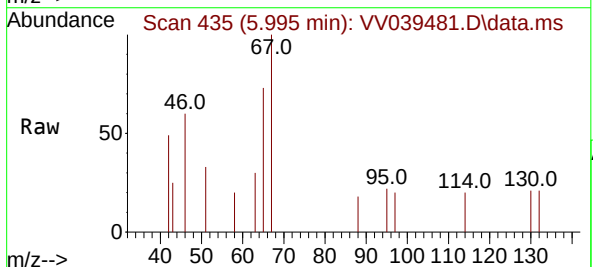
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 69.9  | 47.7  | 88.7  |
| 132 | 100.2 | 70.8  | 131.4 |
| 130 | 102.6 | 73.5  | 136.5 |



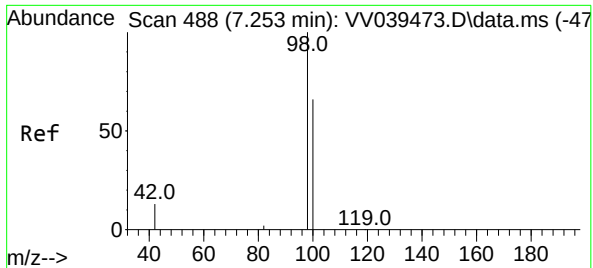
#7  
1,2-Dichloropropane-d6  
Concen: 0.392 ug/L  
RT: 5.995 min Scan# 435  
Delta R.T. -0.024 min  
Lab File: VV039481.D  
Acq: 05 Dec 2025 15:47

Tgt Ion: 67 Resp: 1928

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 67  | 100   |       |       |
| 65  | 63.5  | 37.9  | 56.9# |
| 46  | 47.1  | 27.4  | 41.0# |
| 42  | 32.5  | 51.2  | 76.8# |



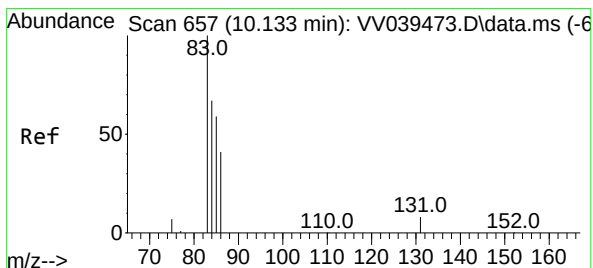
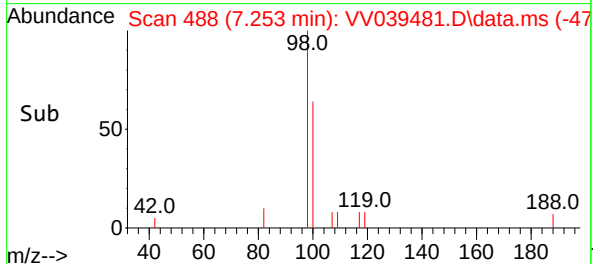
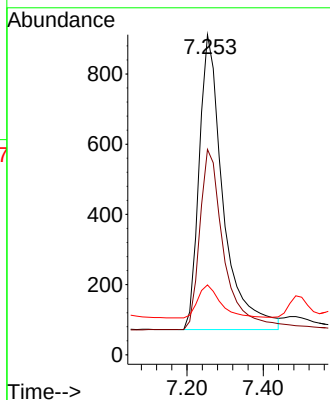
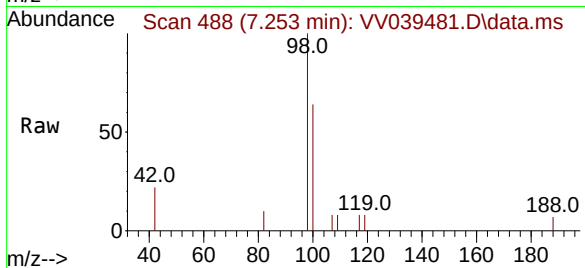




#8  
Toluene-d8  
Concen: 0.443 ug/L  
RT: 7.253 min Scan# 488  
Delta R.T. 0.015 min  
Lab File: VV039481.D  
Acq: 05 Dec 2025 15:47

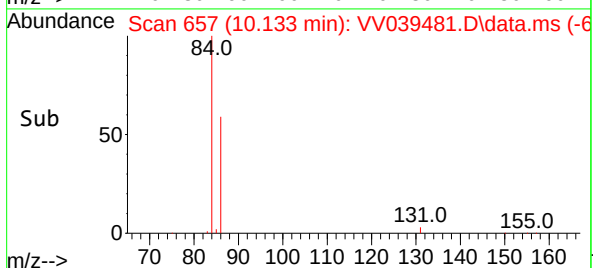
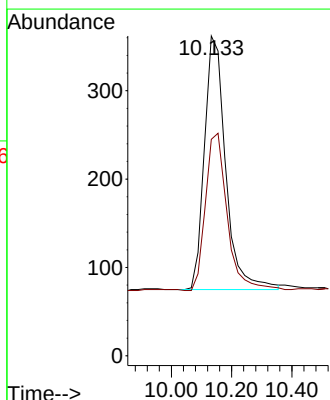
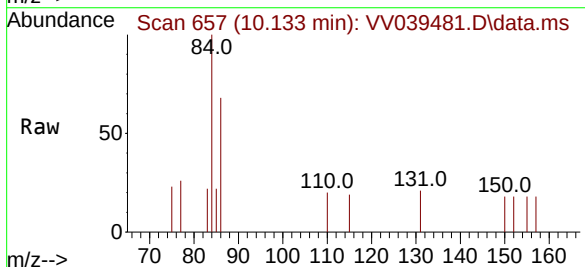
Instrument :  
MSVOA\_V  
ClientSampleId :  
OW-05B-72-120325-SIM

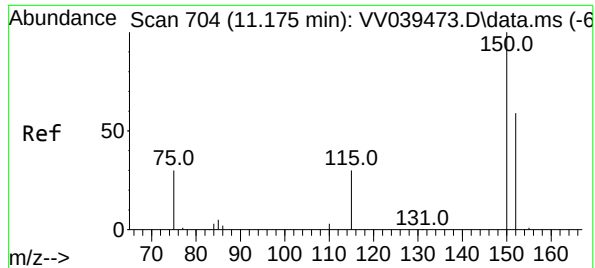
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 61.8  | 44.5  | 82.7  |
| 42      | 10.7  | 10.1  | 18.7  |



#10  
1,1,2,2-Tetrachloroethane-d2  
Concen: 0.507 ug/L  
RT: 10.133 min Scan# 657  
Delta R.T. -0.000 min  
Lab File: VV039481.D  
Acq: 05 Dec 2025 15:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 86      | 63.4  | 44.4  | 82.5  |





#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 70

Delta R.T. 0.022 min

Lab File: VV039481.D

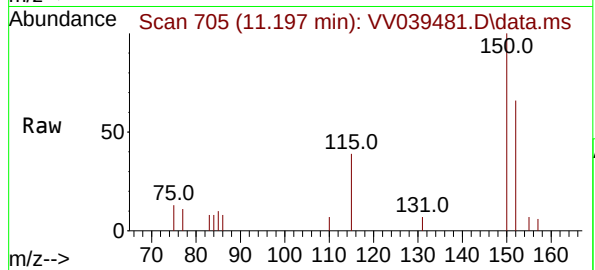
Acq: 05 Dec 2025 15:47

Instrument :

MSVOA\_V

ClientSampleId :

OW-05B-72-120325-SIM



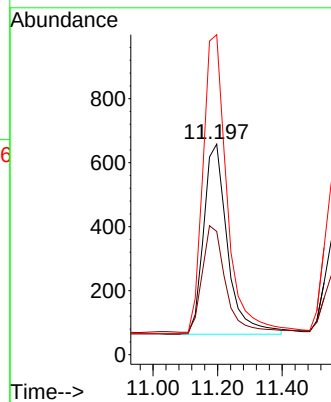
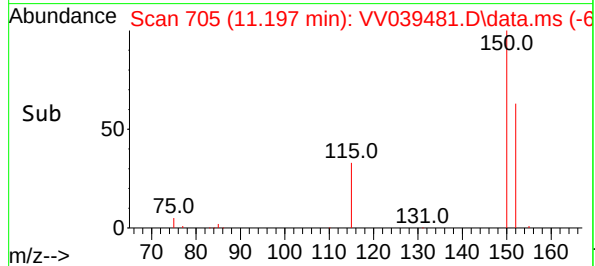
Tgt Ion:152 Resp: 3054

Ion Ratio Lower Upper

152 100

115 54.3 0.0 101.6

150 157.9 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120925\  
Data File : VV039505.D  
Acq On : 09 Dec 2025 15:42  
Operator : SY/MD  
Sample : Q3757-11  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EB01-120325

Quant Time: Dec 10 01:17:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 09 08:40:48 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 7363     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 7248     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.175 | 152  | 3880     | 0.500 | ug/L  | 0.00     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 4131     | 0.571    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 114.000% |
| 4) 1,2-Dichloroethane-d4      | 4.993  | 65    | 2156     | 0.440    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 88.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.995  | 67    | 2490     | 0.407    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 82.000%  |
| 8) Toluene-d8                 | 7.253  | 98    | 4676     | 0.453    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 90.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1813     | 0.526    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 106.000% |

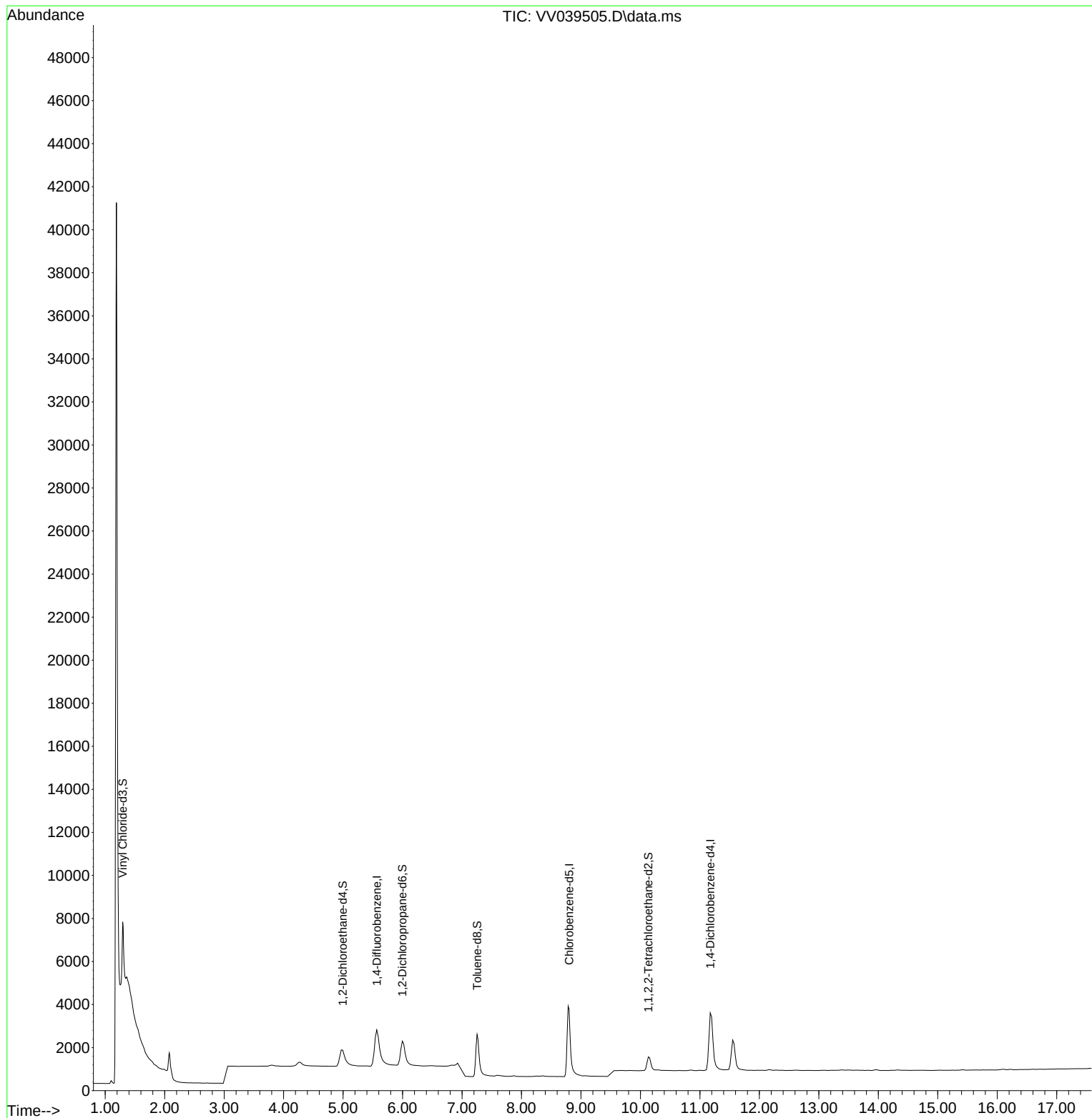
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

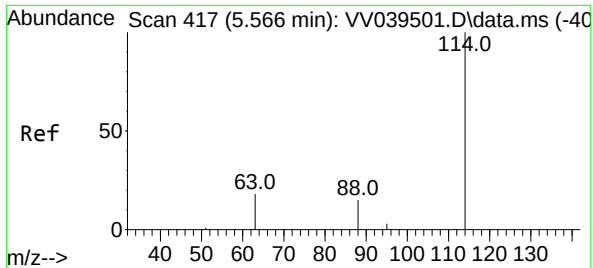
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120925\  
Data File : VV039505.D  
Acq On : 09 Dec 2025 15:42  
Operator : SY/MD  
Sample : Q3757-11  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EB01-120325

Quant Time: Dec 10 01:17:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 09 08:40:48 2025  
Response via : Initial Calibration

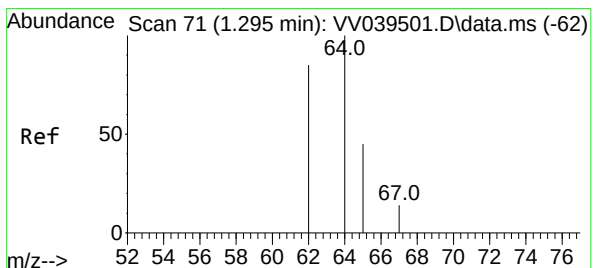
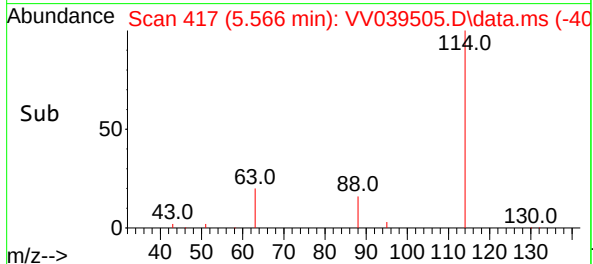
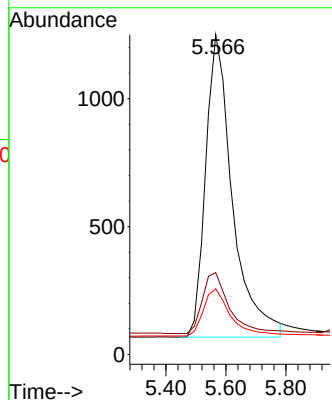
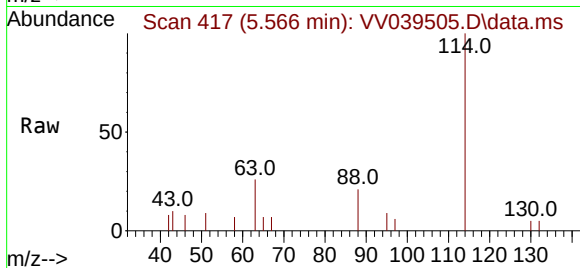




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. -0.000 min  
Lab File: VV039505.D  
Acq: 09 Dec 2025 15:42

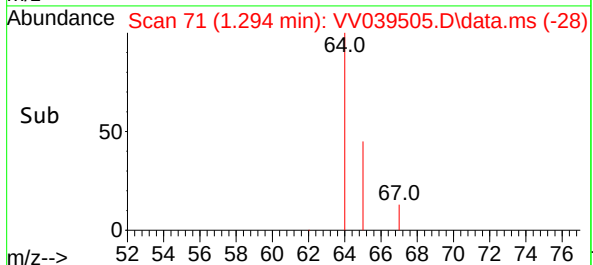
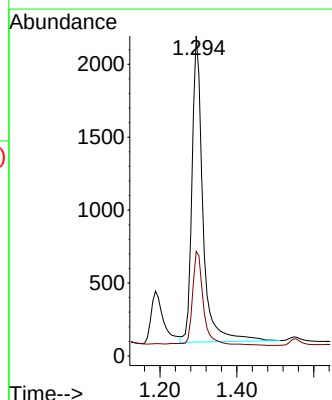
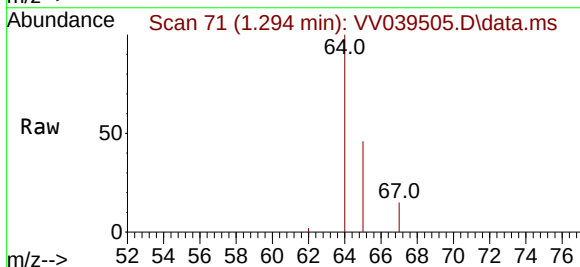
Instrument :  
MSVOA\_V  
ClientSampleId :  
EB01-120325

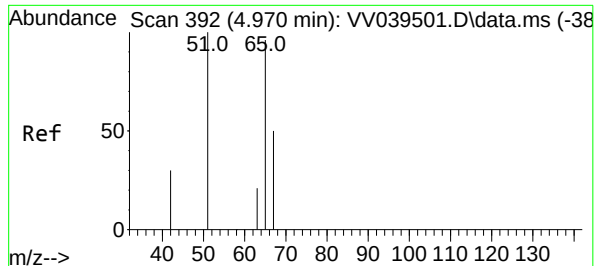
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 7363        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 20.2  | 15.0 22.4   |
| 88          | 15.9  | 12.0 18.0   |



#2  
Vinyl Chloride-d3  
Concen: 0.571 ug/L  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039505.D  
Acq: 09 Dec 2025 15:42

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 65 | Resp: | 4131        |
| Ion         | Ratio | Lower Upper |
| 65          | 100   |             |
| 67          | 31.8  | 22.3 41.5   |

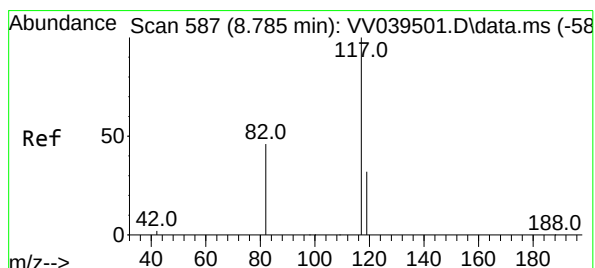
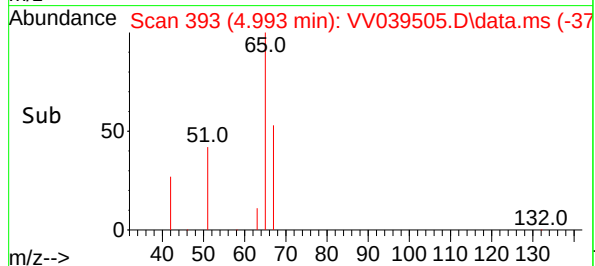
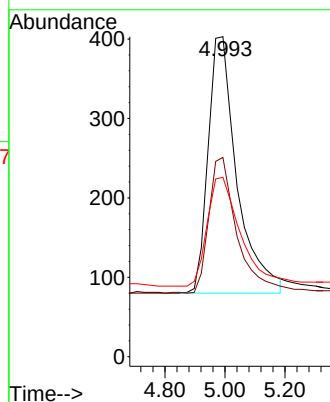
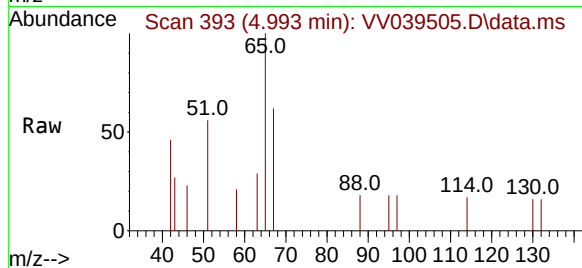




#4  
1,2-Dichloroethane-d4  
Concen: 0.440 ug/L  
RT: 4.993 min Scan# 392  
Delta R.T. 0.024 min  
Lab File: VV039505.D  
Acq: 09 Dec 2025 15:42

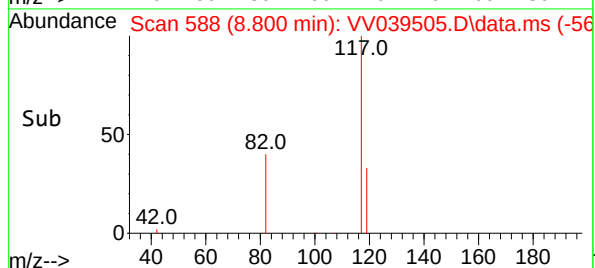
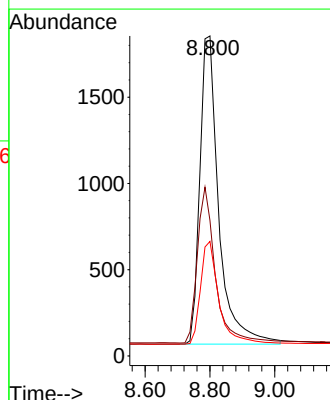
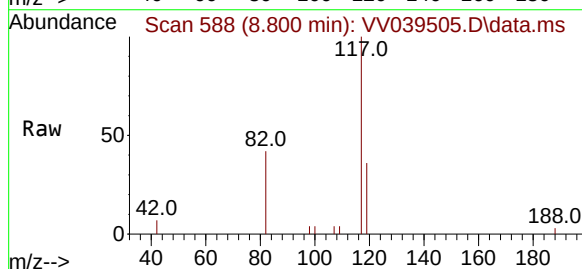
Instrument :  
MSVOA\_V  
ClientSampleId :  
EB01-120325

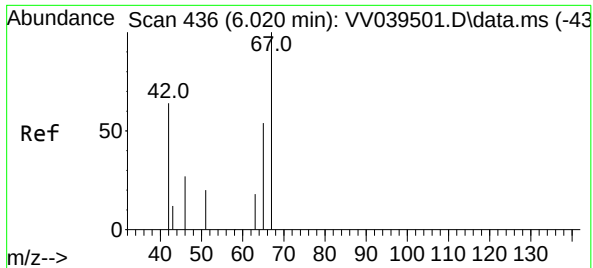
Tgt Ion: 65 Resp: 2156  
Ion Ratio Lower Upper  
65 100  
67 51.6 32.5 60.3  
51 48.7 121.4 225.6#



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.015 min  
Lab File: VV039505.D  
Acq: 09 Dec 2025 15:42

Tgt Ion: 117 Resp: 7248  
Ion Ratio Lower Upper  
117 100  
82 48.4 39.4 59.2  
119 32.6 26.2 39.2

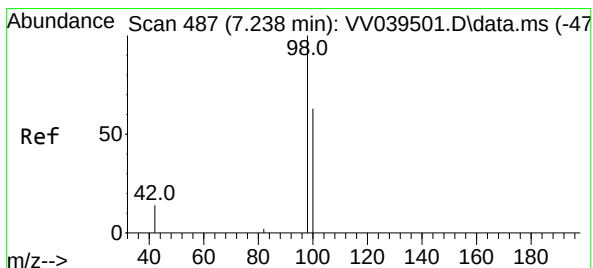
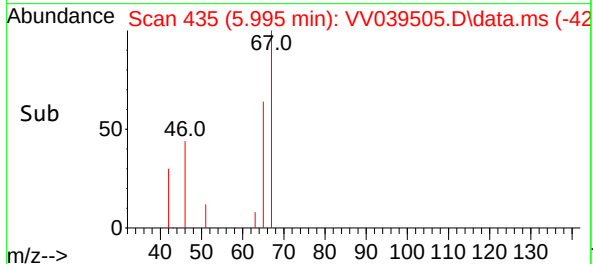
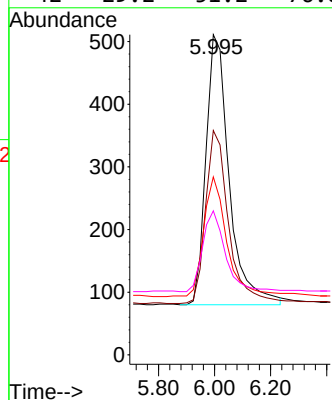
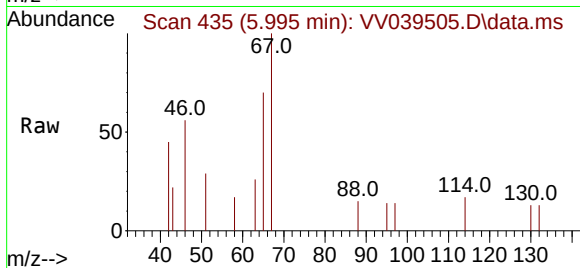




#7  
1,2-Dichloropropane-d6  
Concen: 0.407 ug/L  
RT: 5.995 min Scan# 41  
Delta R.T. -0.024 min  
Lab File: VV039505.D  
Acq: 09 Dec 2025 15:42

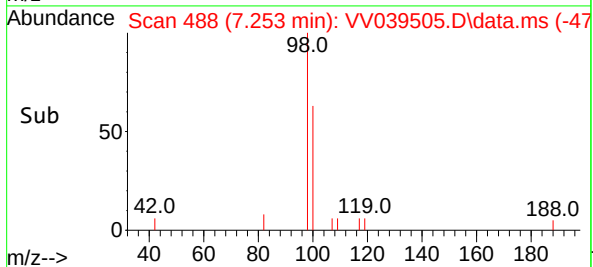
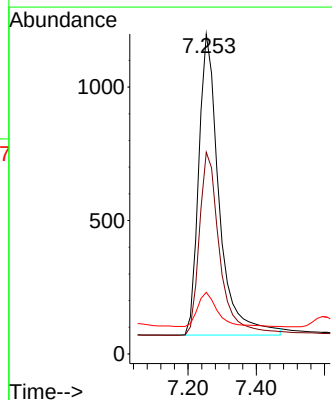
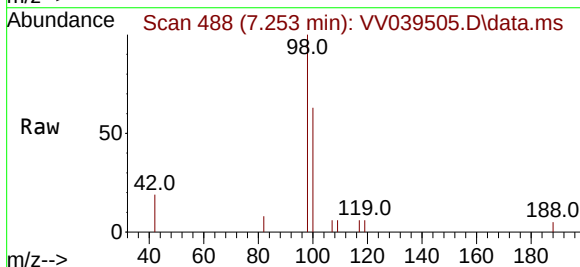
Instrument :  
MSVOA\_V  
ClientSampleId :  
EB01-120325

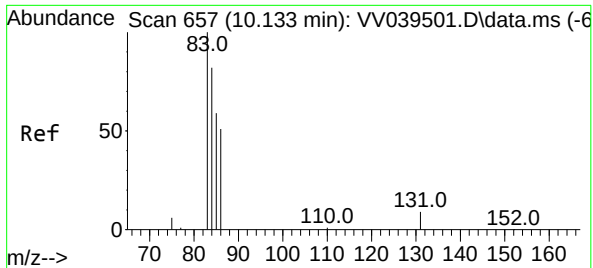
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 67    | Resp: | 2490  |
| Ion      | Ratio | Lower | Upper |
| 67       | 100   |       |       |
| 65       | 63.0  | 37.9  | 56.9# |
| 46       | 44.3  | 27.4  | 41.0# |
| 42       | 29.2  | 51.2  | 76.8# |



#8  
Toluene-d8  
Concen: 0.453 ug/L  
RT: 7.253 min Scan# 488  
Delta R.T. 0.015 min  
Lab File: VV039505.D  
Acq: 09 Dec 2025 15:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 4676  |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 61.2  | 44.5  | 82.7  |
| 42       | 10.9  | 10.1  | 18.7  |

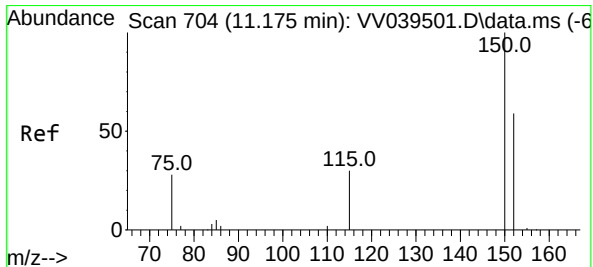
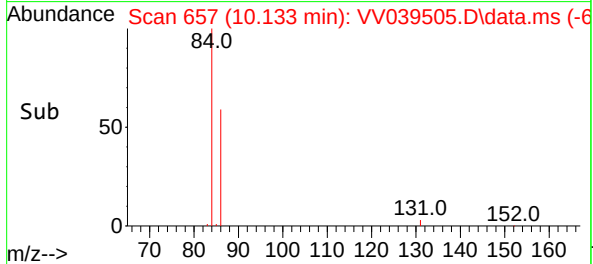
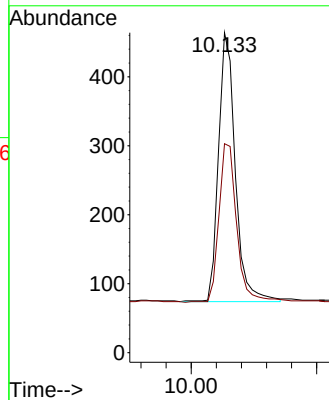
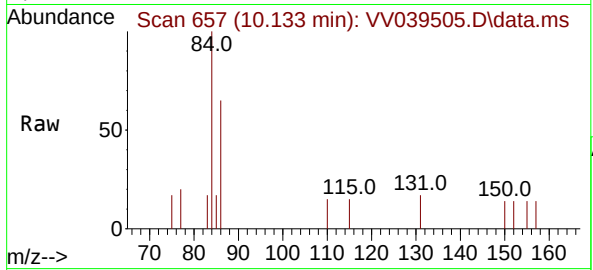




#10  
1,1,2,2-Tetrachloroethane-d2  
Concen: 0.526 ug/L  
RT: 10.133 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VV039505.D  
Acq: 09 Dec 2025 15:42

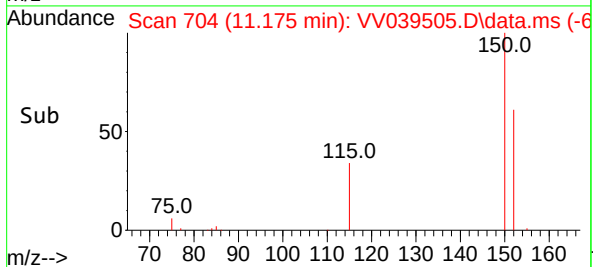
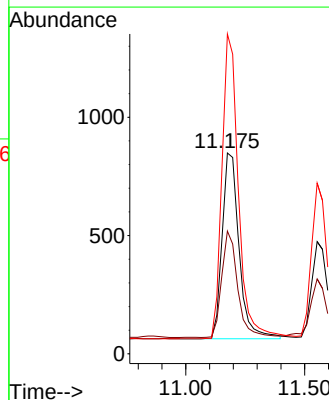
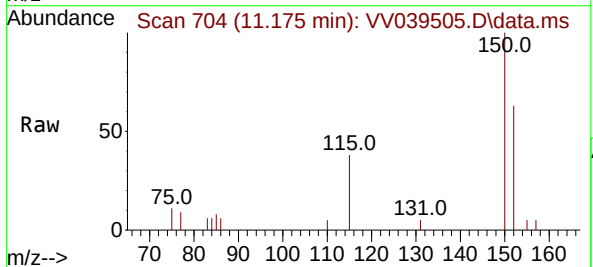
Instrument :  
MSVOA\_V  
ClientSampleId :  
EB01-120325

Tgt Ion: 84 Resp: 1813  
Ion Ratio Lower Upper  
84 100  
86 62.5 44.4 82.5



#12  
1,4-Dichlorobenzene-d4  
Concen: 0.500 ug/L  
RT: 11.175 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VV039505.D  
Acq: 09 Dec 2025 15:42

Tgt Ion: 152 Resp: 3880  
Ion Ratio Lower Upper  
152 100  
115 54.2 0.0 101.6  
150 159.1 0.0 396.2





6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
Data File : VV039478.D  
Acq On : 05 Dec 2025 14:37  
Operator : SY/MD  
Sample : Q3757-12  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
TB01-120325

Quant Time: Dec 05 22:49:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 6676     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 6644     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.197 | 152  | 3356     | 0.500 | ug/L  | 0.02     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 3973     | 0.592    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 118.000% |
| 4) 1,2-Dichloroethane-d4      | 4.993  | 65    | 1923     | 0.433    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 86.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.995  | 67    | 2233     | 0.398    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 80.000%  |
| 8) Toluene-d8                 | 7.253  | 98    | 4118     | 0.435    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 88.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1578     | 0.500    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 100.000% |

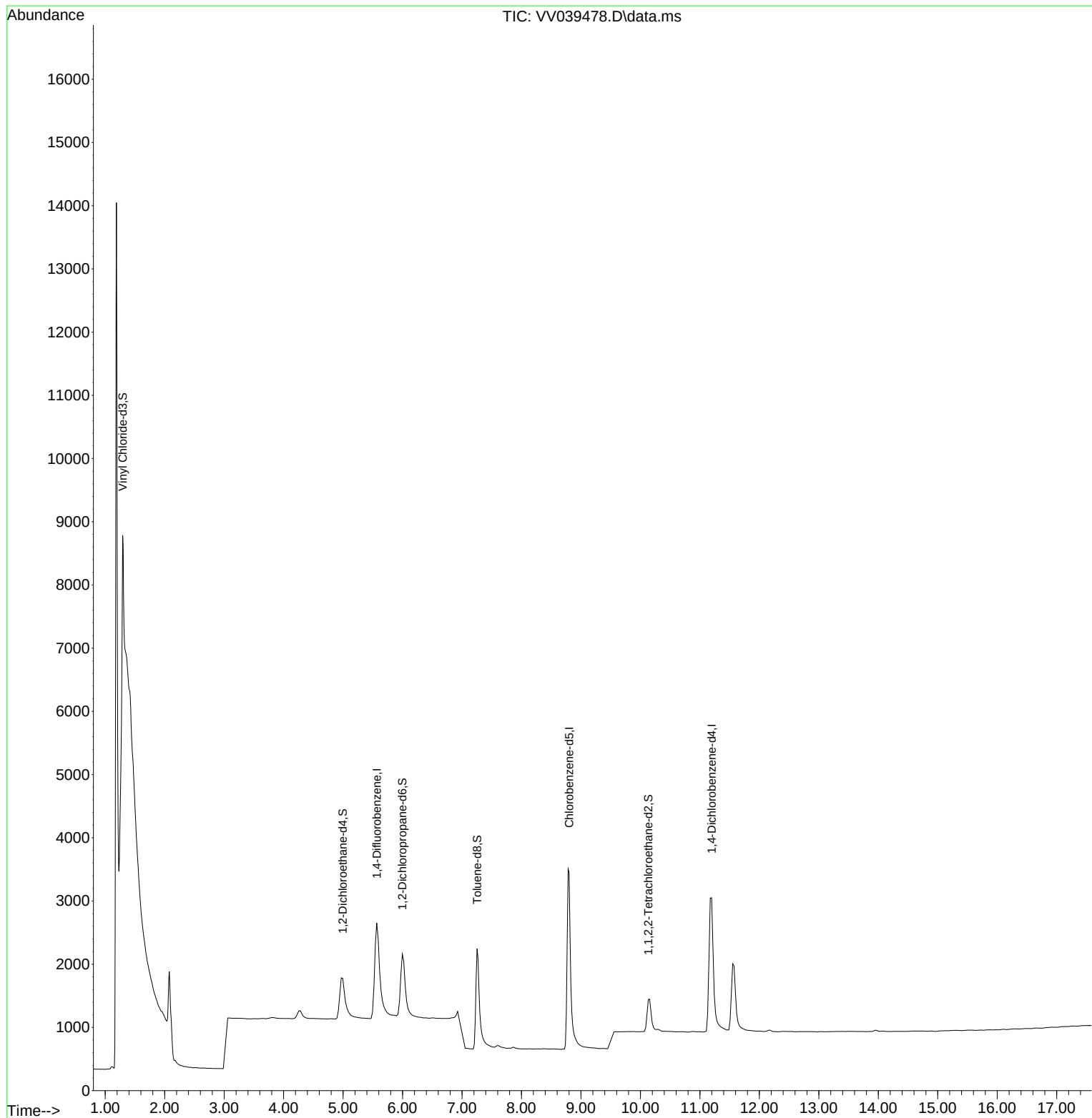
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

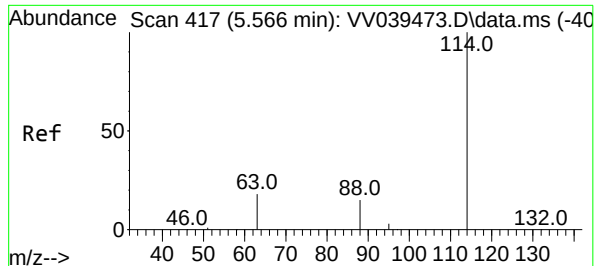
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
Data File : VV039478.D  
Acq On : 05 Dec 2025 14:37  
Operator : SY/MD  
Sample : Q3757-12  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
TB01-120325

Quant Time: Dec 05 22:49:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

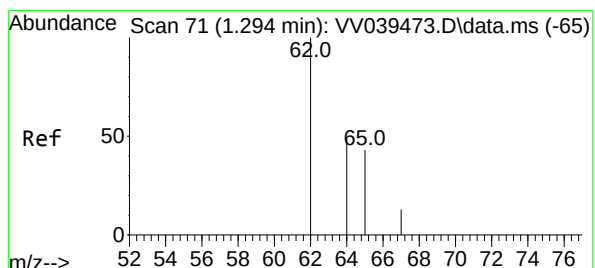
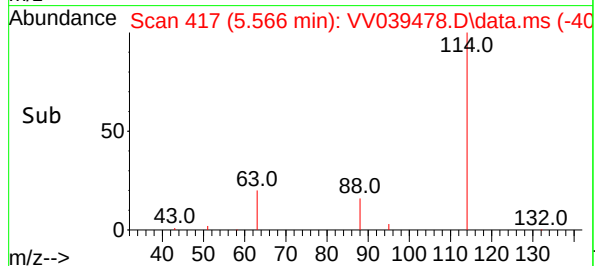
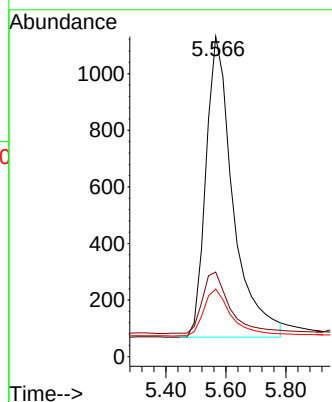
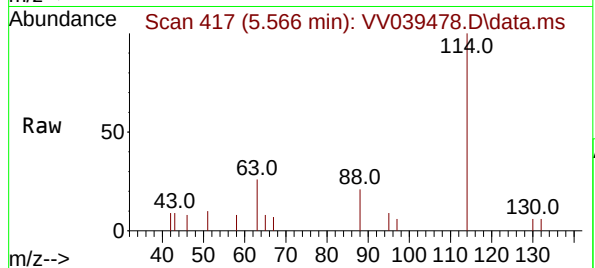




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. -0.000 min  
Lab File: VV039478.D  
Acq: 05 Dec 2025 14:37

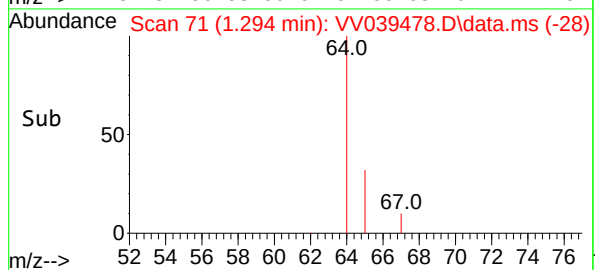
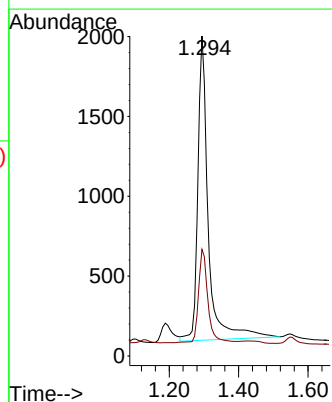
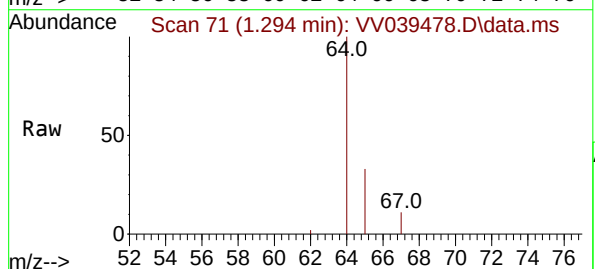
Instrument :  
MSVOA\_V  
ClientSampleId :  
TB01-120325

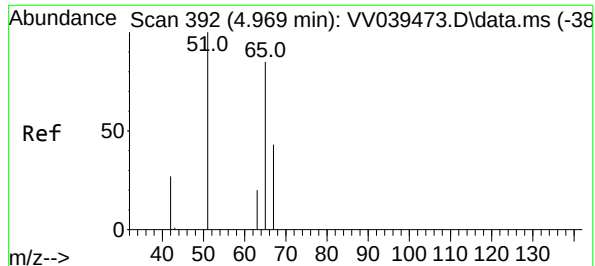
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:114 | Resp: | 6676      |
| Ion Ratio   | Lower | Upper     |
| 114         | 100   |           |
| 63          | 20.7  | 15.0 22.4 |
| 88          | 15.9  | 12.0 18.0 |



#2  
Vinyl Chloride-d3  
Concen: 0.592 ug/L  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039478.D  
Acq: 05 Dec 2025 14:37

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 65 | Resp: | 3973      |
| Ion Ratio   | Lower | Upper     |
| 65          | 100   |           |
| 67          | 27.5  | 22.3 41.5 |

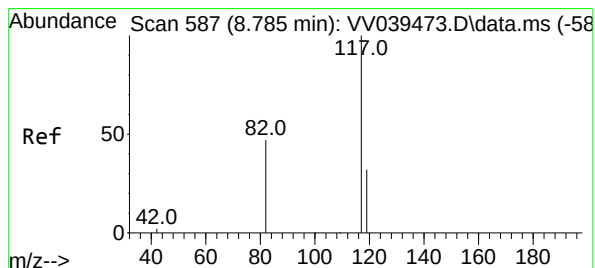
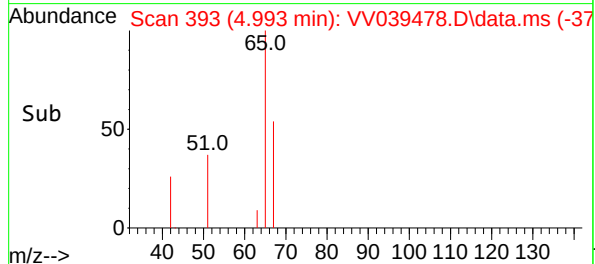
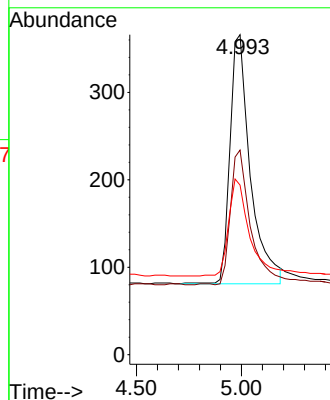
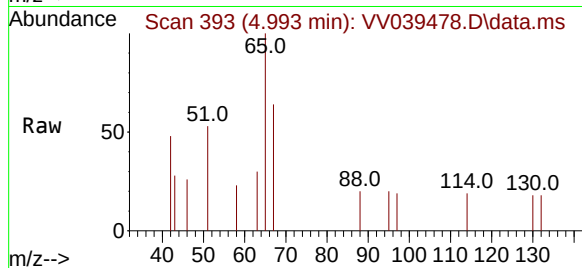




#4  
1,2-Dichloroethane-d4  
Concen: 0.433 ug/L  
RT: 4.993 min Scan# 392  
Delta R.T. 0.024 min  
Lab File: VV039478.D  
Acq: 05 Dec 2025 14:37

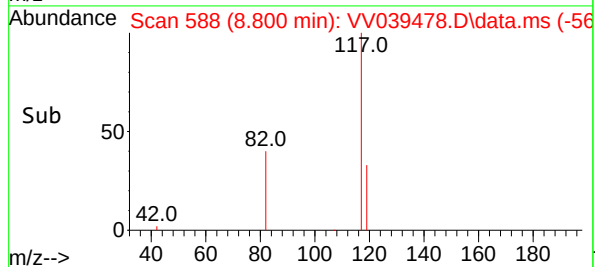
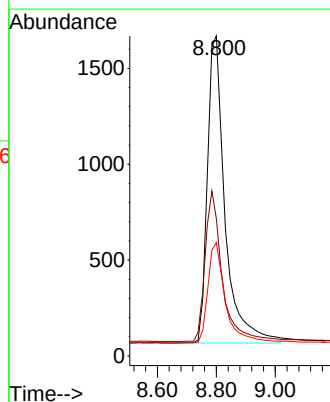
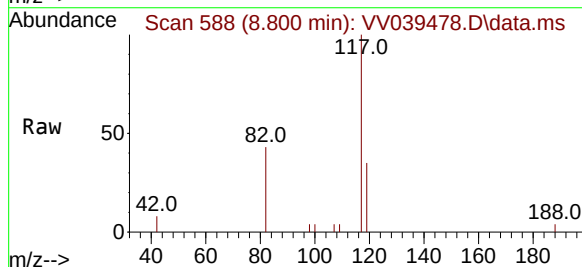
Instrument :  
MSVOA\_V  
ClientSampleId :  
TB01-120325

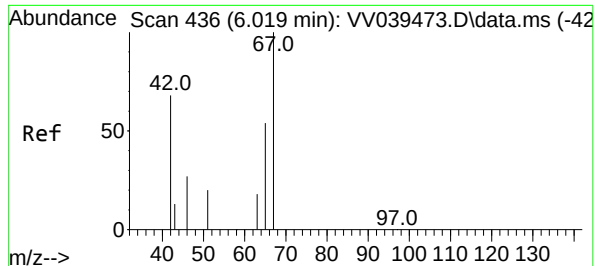
Tgt Ion: 65 Resp: 1923  
Ion Ratio Lower Upper  
65 100  
67 52.9 32.5 60.3  
51 39.2 121.4 225.6#



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.015 min  
Lab File: VV039478.D  
Acq: 05 Dec 2025 14:37

Tgt Ion: 117 Resp: 6644  
Ion Ratio Lower Upper  
117 100  
82 48.0 39.4 59.2  
119 32.5 26.2 39.2



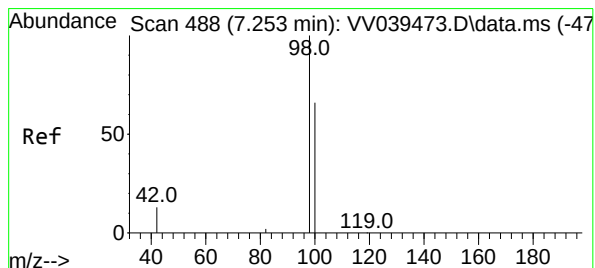
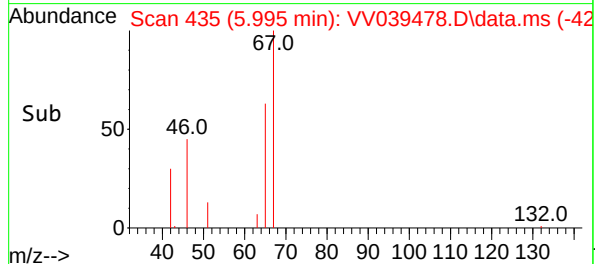
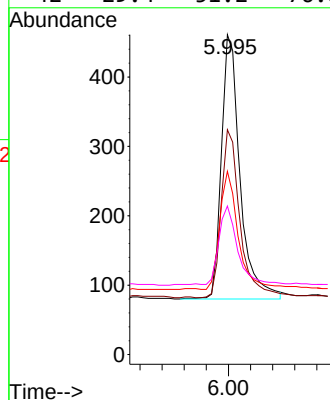
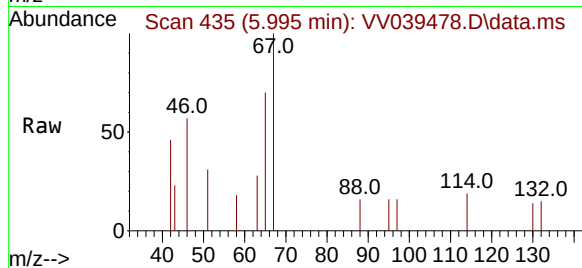


#7  
1,2-Dichloropropane-d6  
Concen: 0.398 ug/L  
RT: 5.995 min Scan# 41  
Delta R.T. -0.024 min  
Lab File: VV039478.D  
Acq: 05 Dec 2025 14:37

Instrument :  
MSVOA\_V  
ClientSampleId :  
TB01-120325

Tgt Ion: 67 Resp: 2233

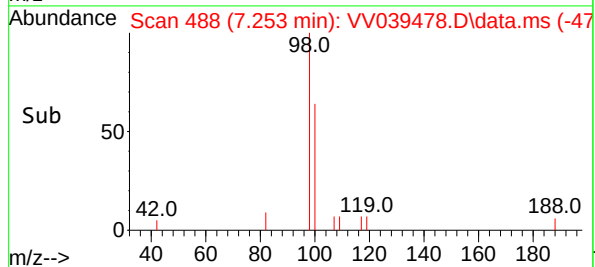
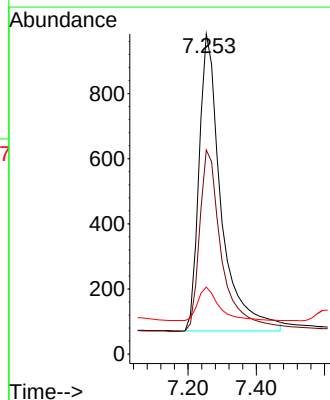
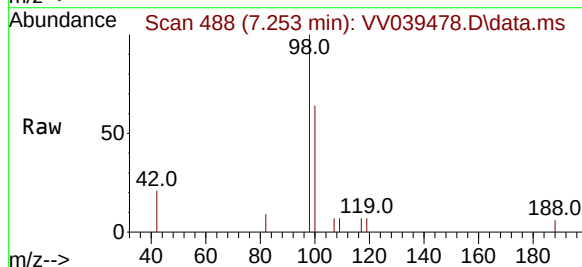
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 67  | 100   |       |       |
| 65  | 63.8  | 37.9  | 56.9# |
| 46  | 43.8  | 27.4  | 41.0# |
| 42  | 29.4  | 51.2  | 76.8# |

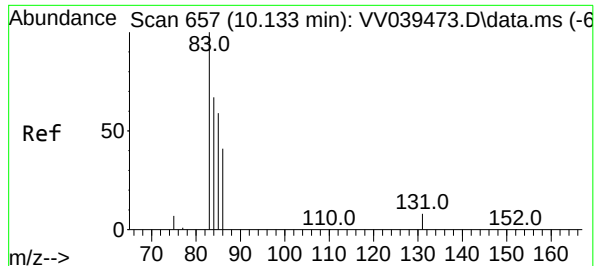


#8  
Toluene-d8  
Concen: 0.435 ug/L  
RT: 7.253 min Scan# 488  
Delta R.T. 0.015 min  
Lab File: VV039478.D  
Acq: 05 Dec 2025 14:37

Tgt Ion: 98 Resp: 4118

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 61.8  | 44.5  | 82.7  |
| 42  | 10.7  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.500 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039478.D

Acq: 05 Dec 2025 14:37

Instrument :

MSVOA\_V

ClientSampleId :

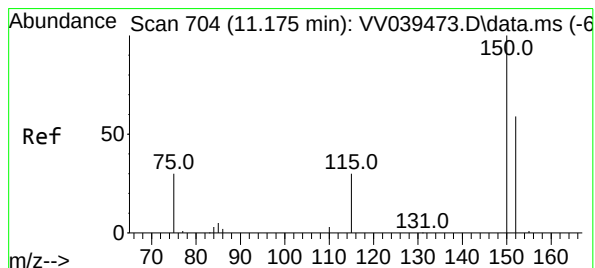
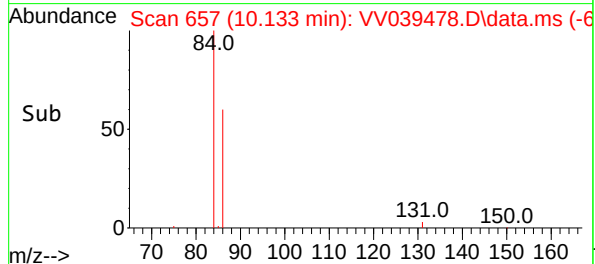
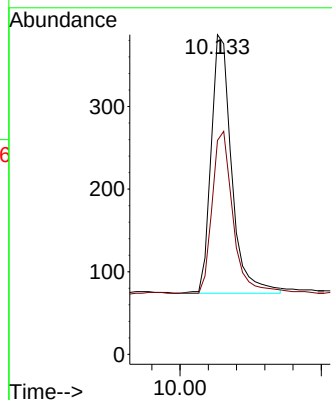
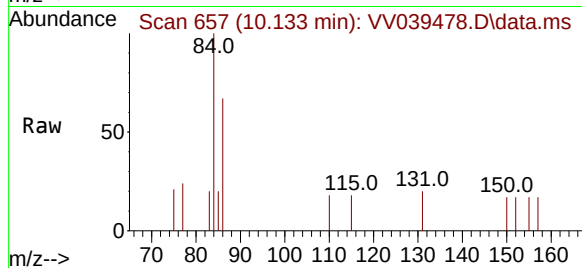
TB01-120325

Tgt Ion: 84 Resp: 1578

Ion Ratio Lower Upper

84 100

86 63.1 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039478.D

Acq: 05 Dec 2025 14:37

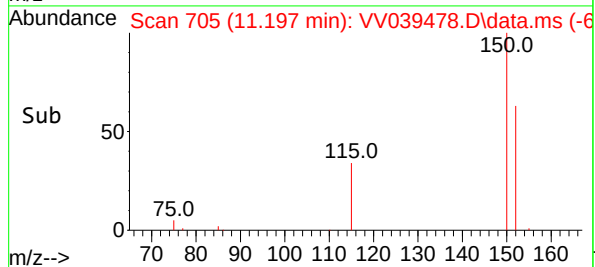
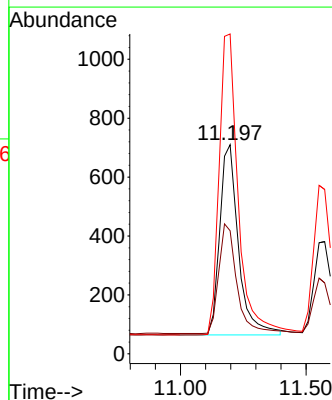
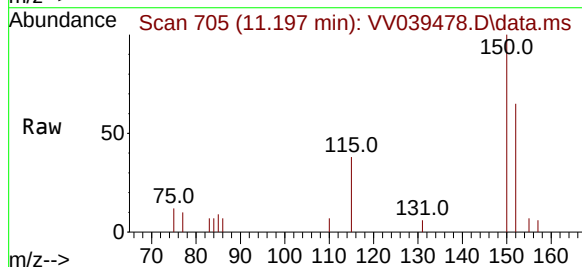
Tgt Ion: 152 Resp: 3356

Ion Ratio Lower Upper

152 100

115 55.5 0.0 101.6

150 160.1 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120925\  
 Data File : VV039514.D  
 Acq On : 09 Dec 2025 18:51  
 Operator : SY/MD  
 Sample : Q3757-14  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2025  
 Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 10 01:18:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Dec 09 08:40:48 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 5508     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 5536     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.198 | 152  | 2897     | 0.500 | ug/L  | 0.02     |

### System Monitoring Compounds

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| 2) Vinyl Chloride-d3          | 1.295  | 65    | 3141m    | 0.581    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 116.000% |
| 4) 1,2-Dichloroethane-d4      | 4.994  | 65    | 1787     | 0.487    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 98.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.996  | 67    | 2060     | 0.441    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 88.000%  |
| 8) Toluene-d8                 | 7.254  | 98    | 3801     | 0.482    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 96.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1502     | 0.571    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 114.000% |

Target Compounds Qvalue

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

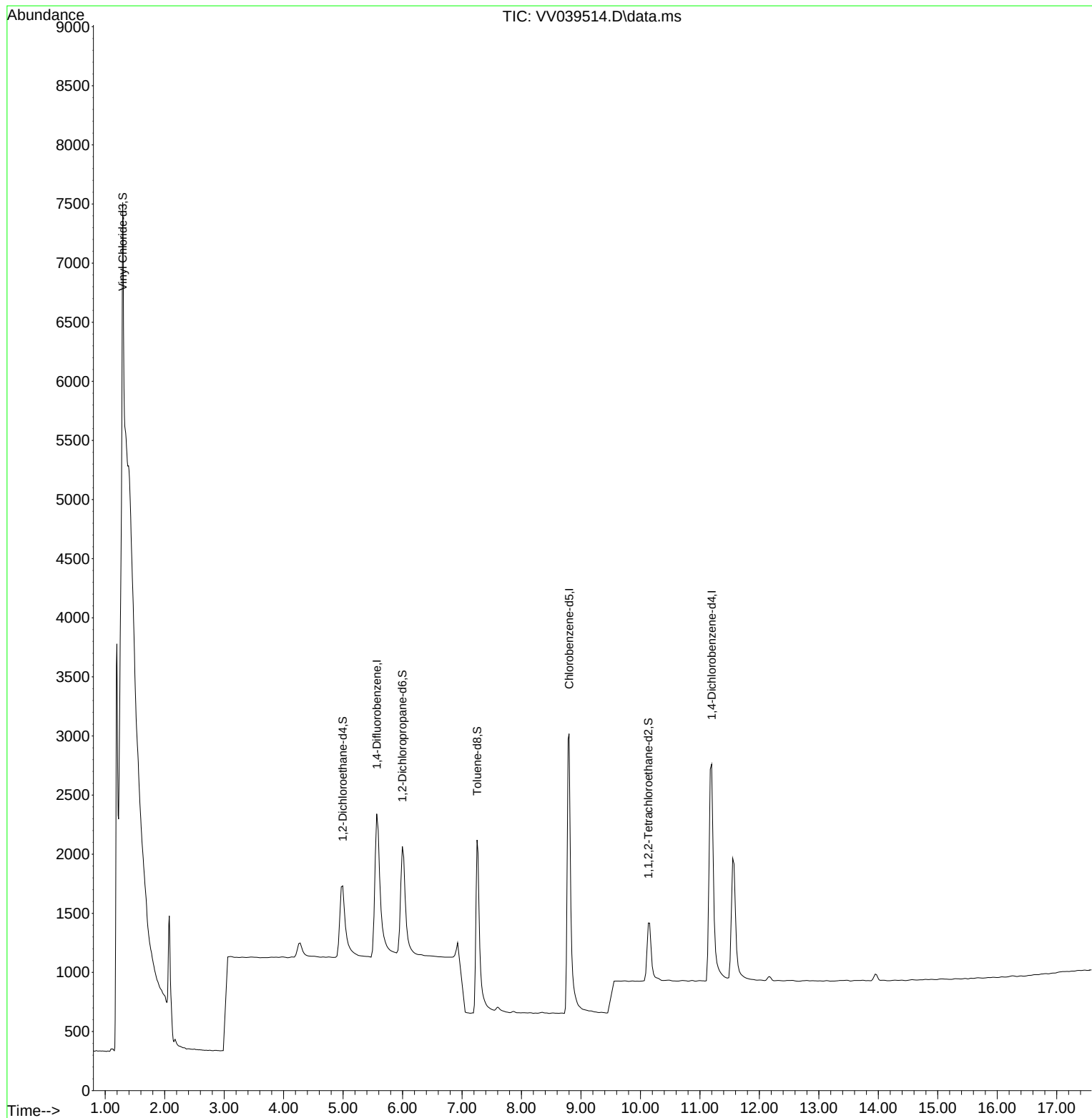
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120925\  
Data File : VV039514.D  
Acq On : 09 Dec 2025 18:51  
Operator : SY/MD  
Sample : Q3757-14  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

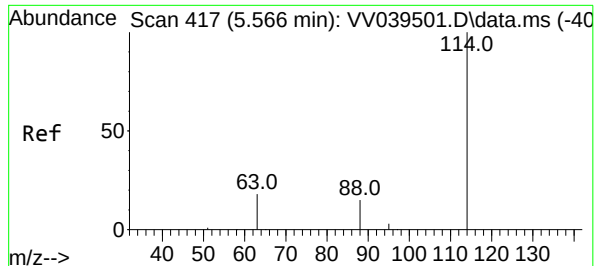
Manual Integrations  
APPROVED

Reviewed By : John Carlone 12/10/2025  
Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 10 01:18:44 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 09 08:40:48 2025  
Response via : Initial Calibration







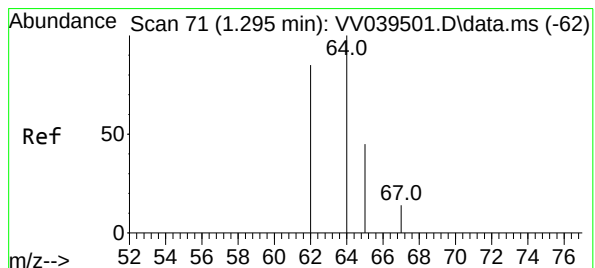
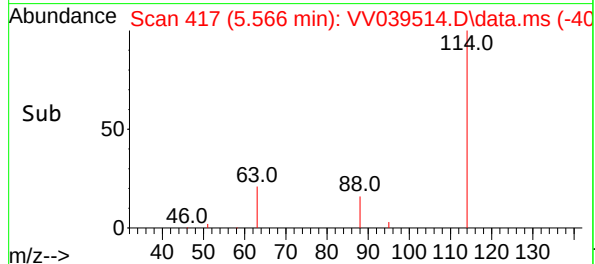
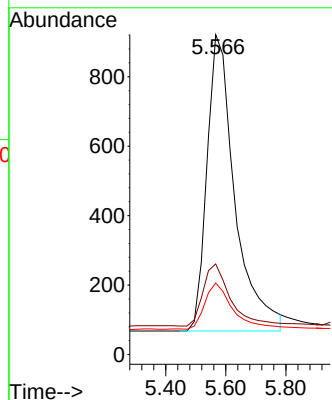
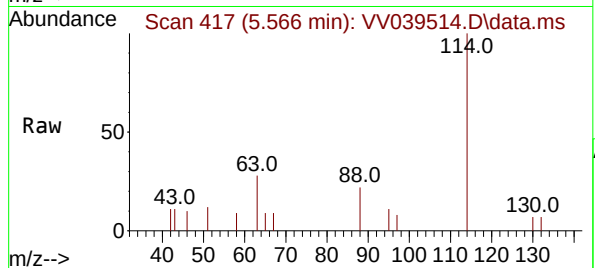
#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. 0.000 min  
Lab File: VV039514.D  
Acq: 09 Dec 2025 18:51

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

Tgt Ion: 114 Resp: 5508  
Ion Ratio Lower Upper  
114 100  
63 20.6 15.0 22.4  
88 15.6 12.0 18.0

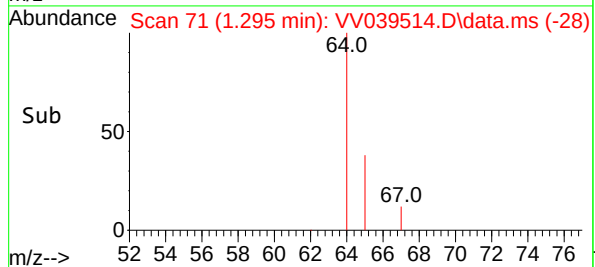
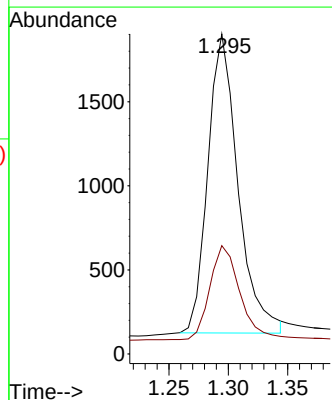
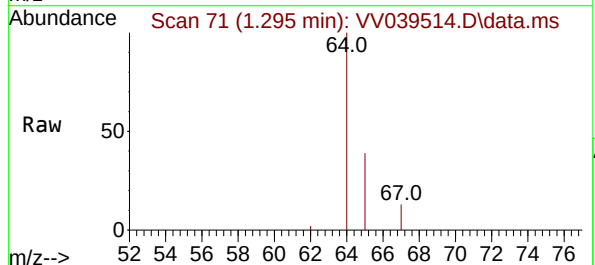
Manual Integrations  
APPROVED

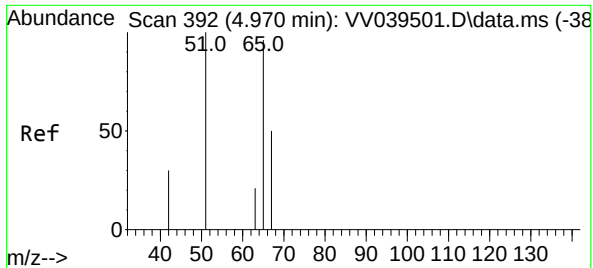
Reviewed By : John Carlone 12/10/2025  
Supervised By : Mahesh Dadoda 12/10/2025



#2  
Vinyl Chloride-d3  
Concen: 0.581 ug/L m  
RT: 1.295 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VV039514.D  
Acq: 09 Dec 2025 18:51

Tgt Ion: 65 Resp: 3141  
Ion Ratio Lower Upper  
65 100  
67 34.3 22.3 41.5





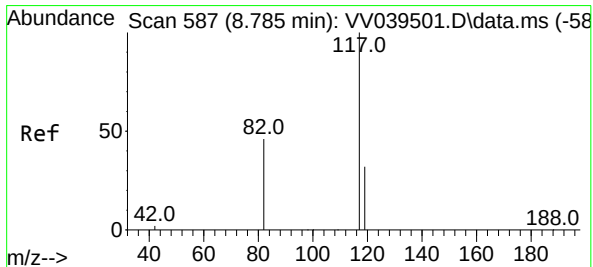
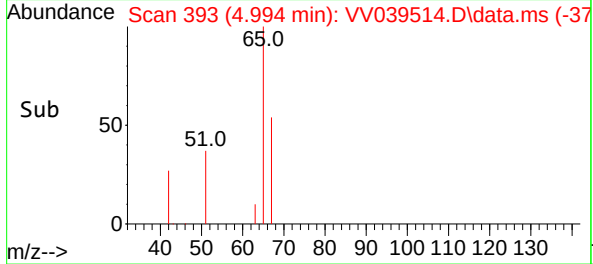
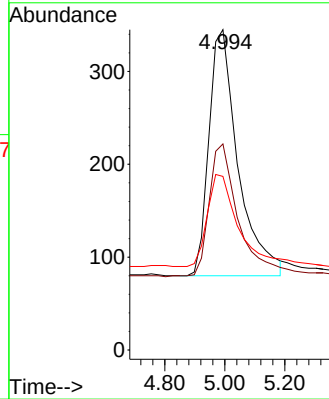
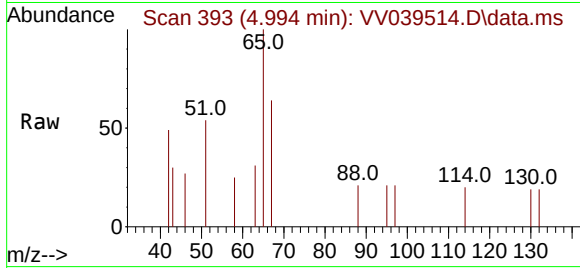
#4  
1,2-Dichloroethane-d4  
Concen: 0.487 ug/L  
RT: 4.994 min Scan# 392  
Delta R.T. 0.025 min  
Lab File: VV039514.D  
Acq: 09 Dec 2025 18:51

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

Tgt Ion: 65 Resp: 178  
Ion Ratio Lower Upper  
65 100  
67 53.8 32.5 60.3  
51 39.1 121.4 225.6

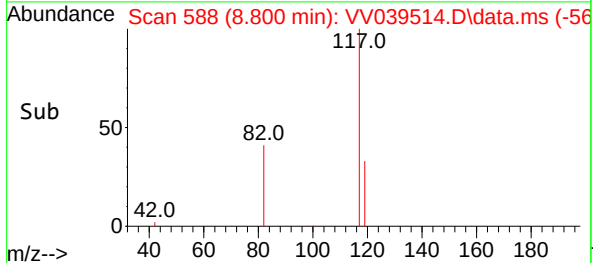
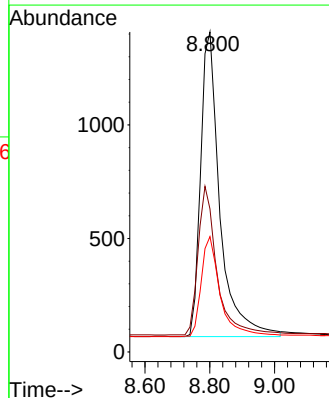
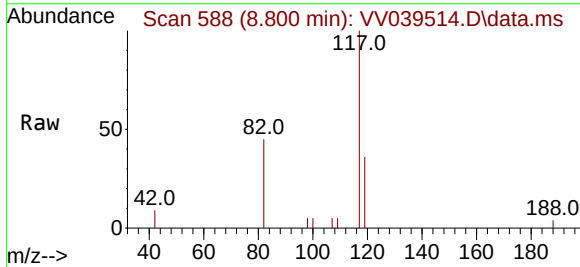
Manual Integrations  
APPROVED

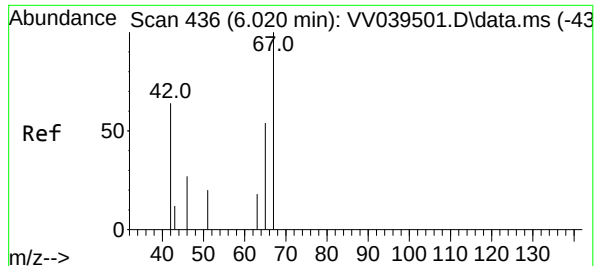
Reviewed By :John Carlone 12/10/2025  
Supervised By :Mahesh Dadoda 12/10/2025



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.015 min  
Lab File: VV039514.D  
Acq: 09 Dec 2025 18:51

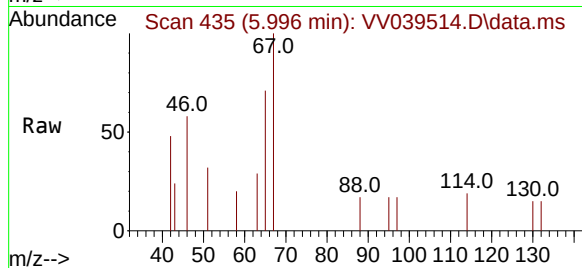
Tgt Ion:117 Resp: 5536  
Ion Ratio Lower Upper  
117 100  
82 47.9 39.4 59.2  
119 32.6 26.2 39.2





#7  
1,2-Dichloropropane-d6  
Concen: 0.441 ug/L  
RT: 5.996 min Scan# 436  
Delta R.T. -0.023 min  
Lab File: VV039514.D  
Acq: 09 Dec 2025 18:51

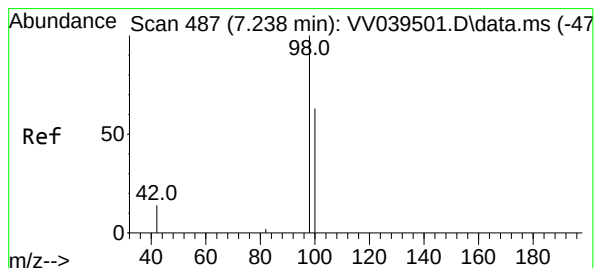
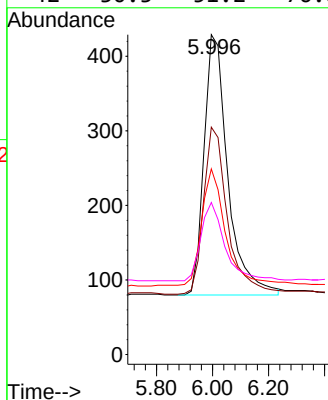
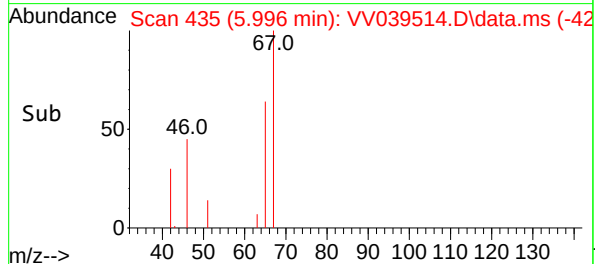
Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001



Tgt Ion: 67 Resp: 2060  
Ion Ratio Lower Upper  
67 100  
65 64.5 37.9 56.9  
46 45.7 27.4 41.0  
42 30.3 51.2 76.8

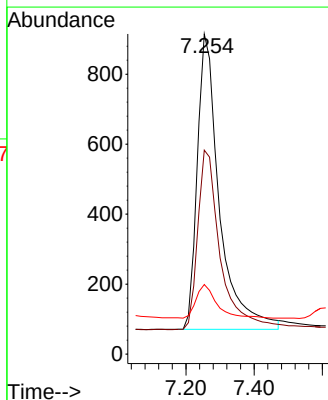
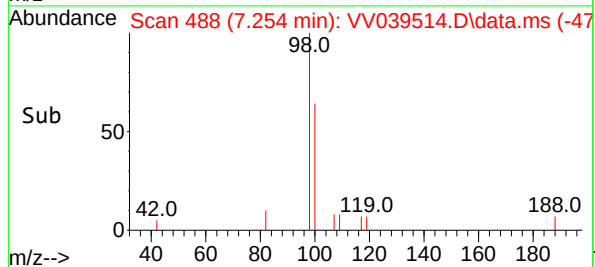
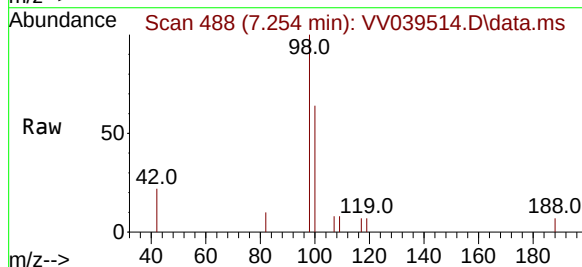
Manual Integrations  
APPROVED

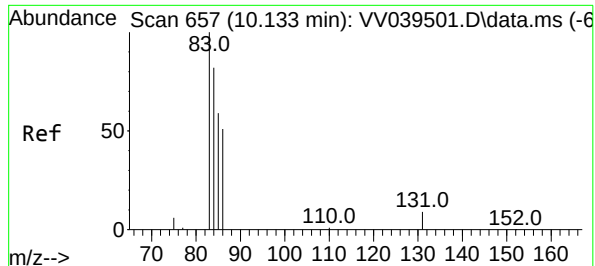
Reviewed By :John Carlone 12/10/2025  
Supervised By :Mahesh Dadoda 12/10/2025



#8  
Toluene-d8  
Concen: 0.482 ug/L  
RT: 7.254 min Scan# 488  
Delta R.T. 0.016 min  
Lab File: VV039514.D  
Acq: 09 Dec 2025 18:51

Tgt Ion: 98 Resp: 3801  
Ion Ratio Lower Upper  
98 100  
100 61.6 44.5 82.7  
42 10.5 10.1 18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.571 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039514.D

Acq: 09 Dec 2025 18:51

Instrument :

MSVOA\_V

ClientSampleId :

VHBLK001

Tgt Ion: 84 Resp: 150

Ion Ratio Lower Upper

84 100

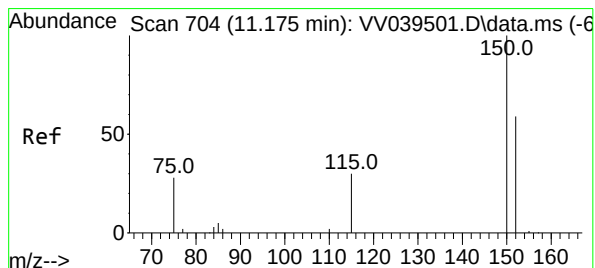
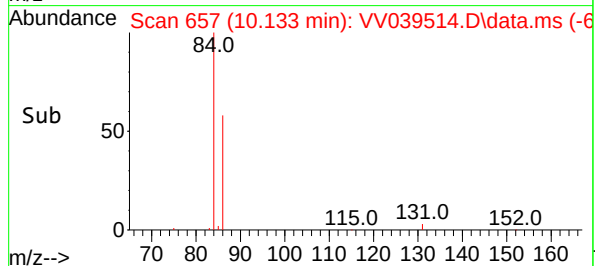
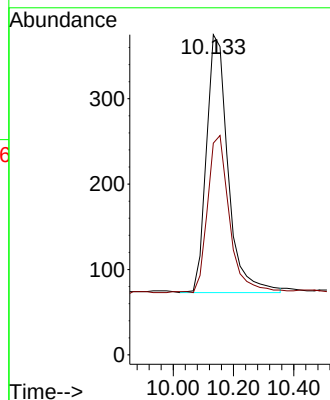
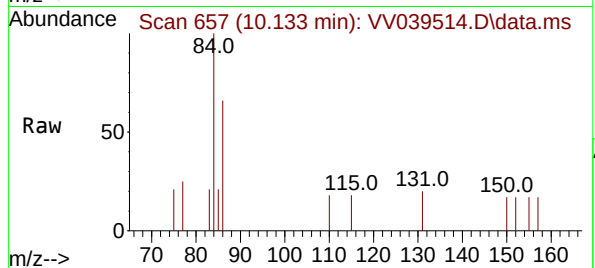
86 61.6 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.198 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039514.D

Acq: 09 Dec 2025 18:51

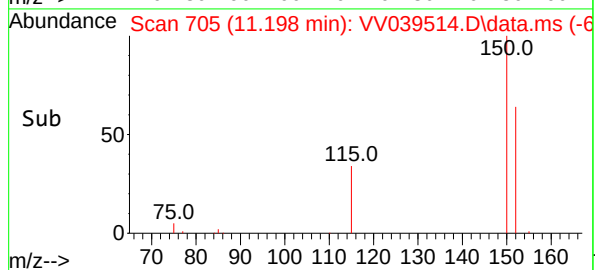
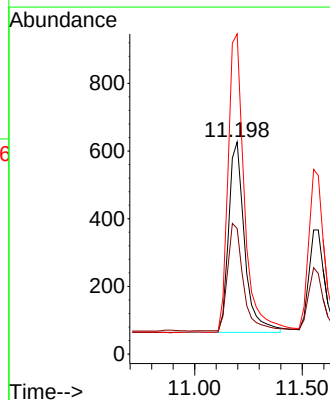
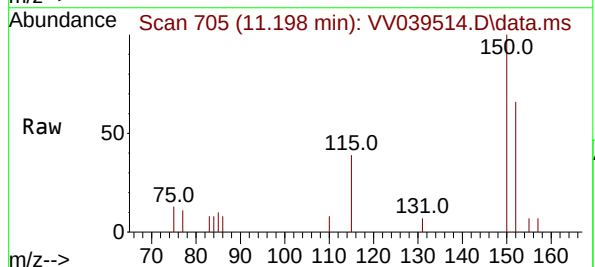
Tgt Ion:152 Resp: 2897

Ion Ratio Lower Upper

152 100

115 55.4 0.0 101.6

150 159.1 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
Data File : VV039474.D  
Acq On : 05 Dec 2025 12:30  
Operator : SY/MD  
Sample : VV1205WBL01  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK236

Quant Time: Dec 05 22:47:37 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 5971     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.800  | 117  | 5907     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.197 | 152  | 3034     | 0.500 | ug/L  | 0.02     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 3423     | 0.570    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 114.000% |
| 4) 1,2-Dichloroethane-d4      | 4.993  | 65    | 1812     | 0.456    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 92.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.996  | 67    | 2120     | 0.425    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 86.000%  |
| 8) Toluene-d8                 | 7.254  | 98    | 4006     | 0.476    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 96.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1520     | 0.541    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 108.000% |

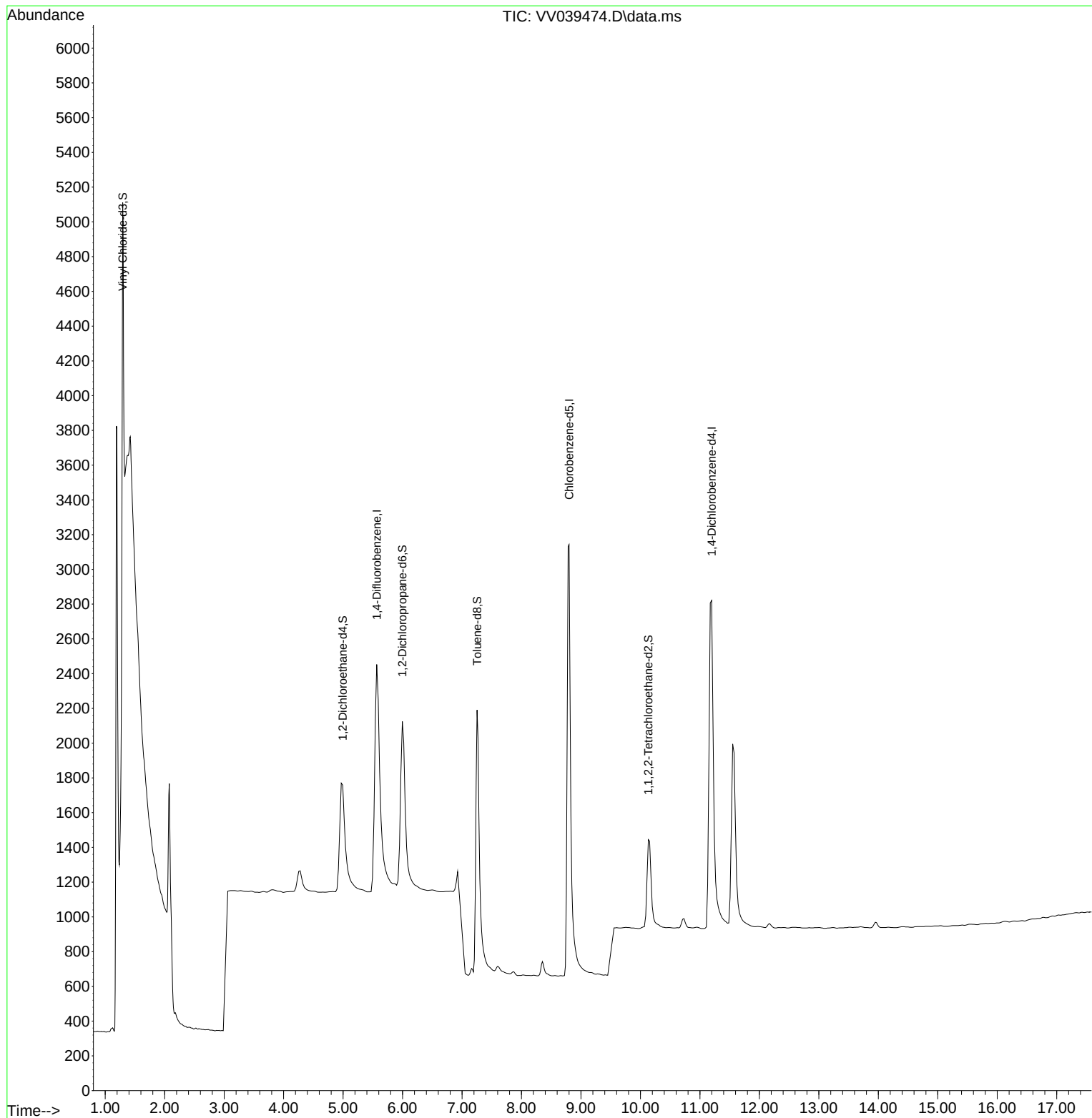
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

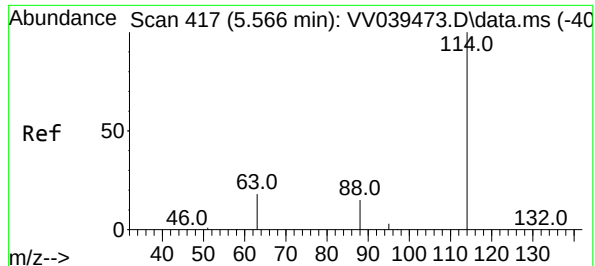
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120525\  
Data File : VV039474.D  
Acq On : 05 Dec 2025 12:30  
Operator : SY/MD  
Sample : VV1205WBL01  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK236

Quant Time: Dec 05 22:47:37 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 04 00:58:46 2025  
Response via : Initial Calibration

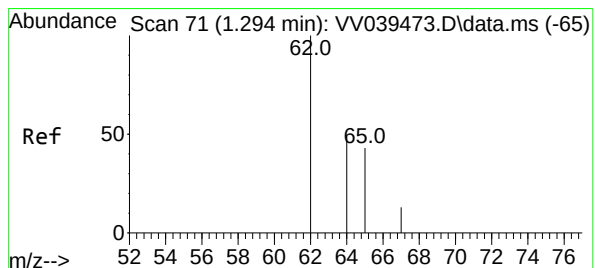
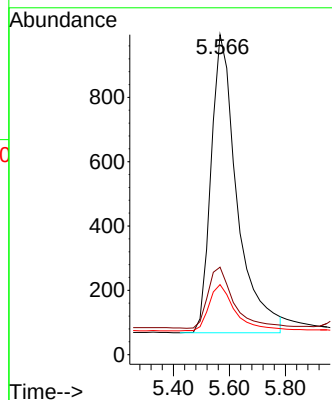
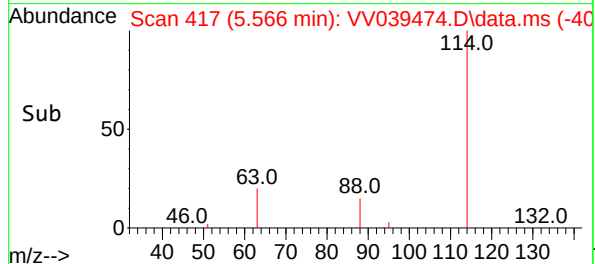
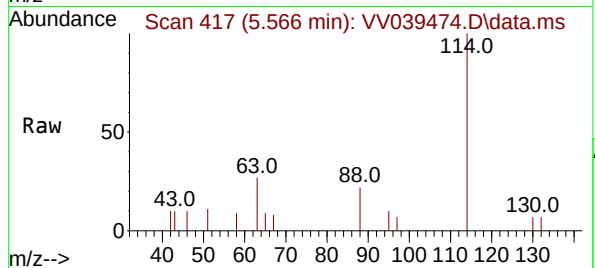




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. 0.000 min  
Lab File: VV039474.D  
Acq: 05 Dec 2025 12:30

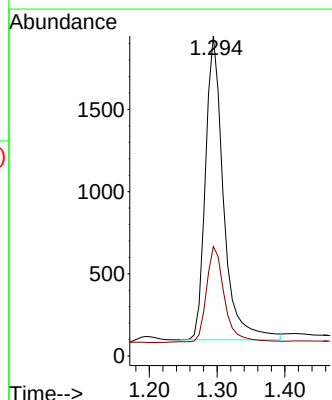
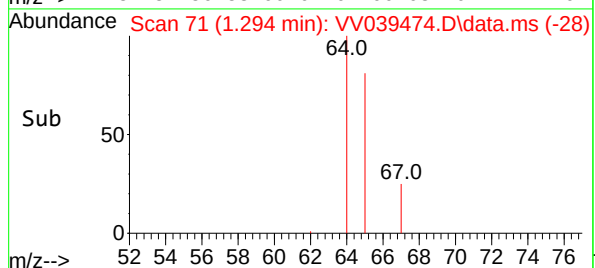
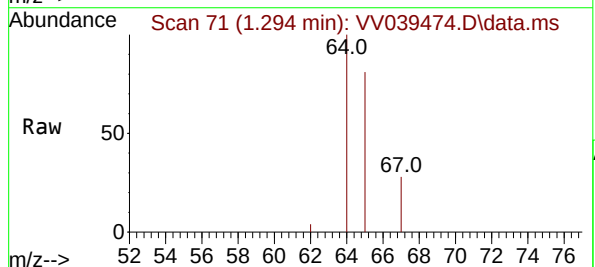
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK236

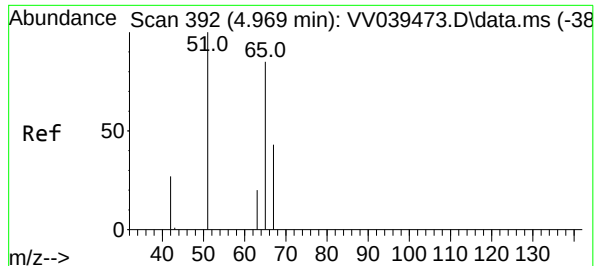
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 5971  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 20.4  | 15.0  | 22.4  |
| 88       | 15.5  | 12.0  | 18.0  |



#2  
Vinyl Chloride-d3  
Concen: 0.570 ug/L  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039474.D  
Acq: 05 Dec 2025 12:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 3423  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 32.0  | 22.3  | 41.5  |

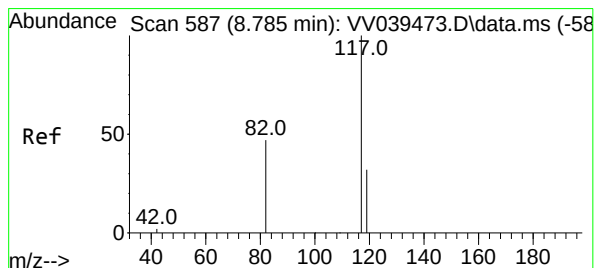
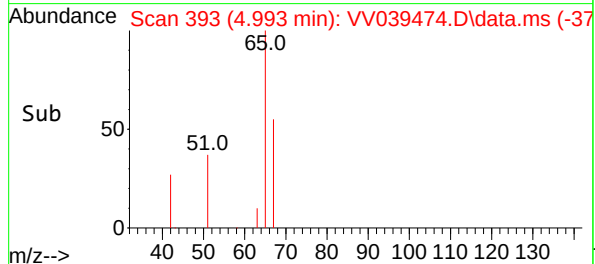
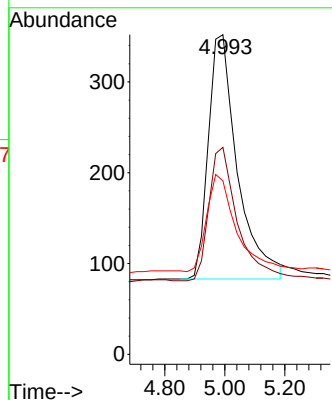
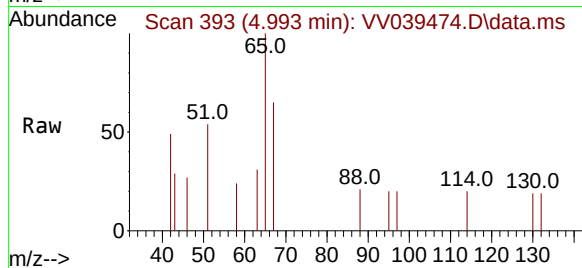




#4  
1,2-Dichloroethane-d4  
Concen: 0.456 ug/L  
RT: 4.993 min Scan# 392  
Delta R.T. 0.024 min  
Lab File: VV039474.D  
Acq: 05 Dec 2025 12:30

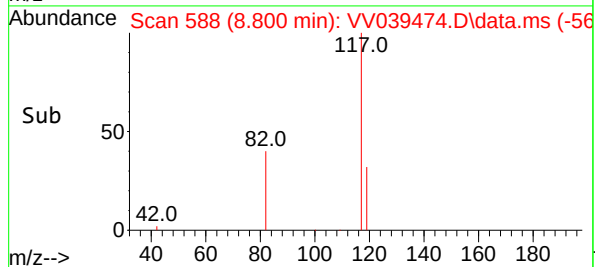
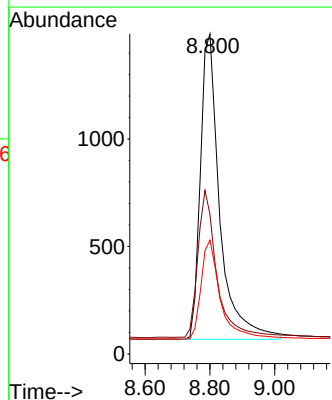
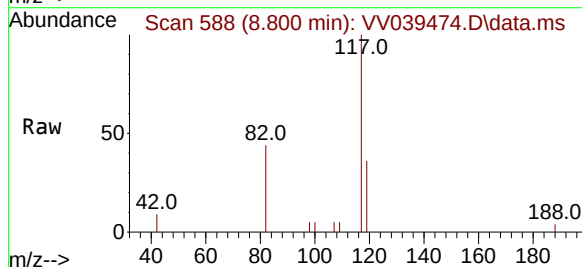
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK236

Tgt Ion: 65 Resp: 1812  
Ion Ratio Lower Upper  
65 100  
67 53.8 32.5 60.3  
51 39.2 121.4 225.6#

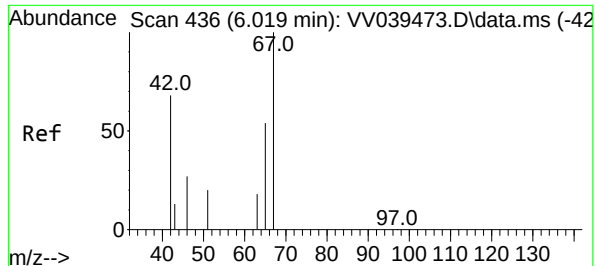


#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.016 min  
Lab File: VV039474.D  
Acq: 05 Dec 2025 12:30

Tgt Ion: 117 Resp: 5907  
Ion Ratio Lower Upper  
117 100  
82 47.1 39.4 59.2  
119 32.1 26.2 39.2







#7

1,2-Dichloropropane-d6

Concen: 0.425 ug/L

RT: 5.996 min Scan# 41

Delta R.T. -0.023 min

Lab File: VV039474.D

Acq: 05 Dec 2025 12:30

Instrument :

MSVOA\_V

ClientSampleId :

VBLK236

Tgt Ion: 67 Resp: 2120

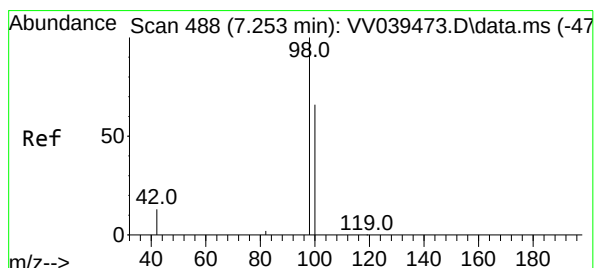
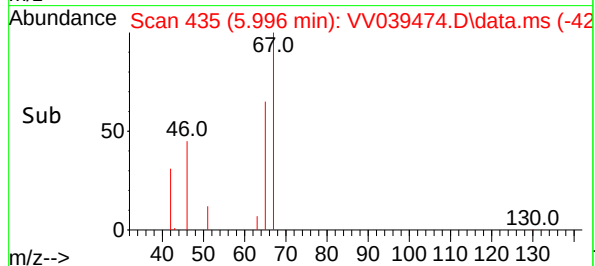
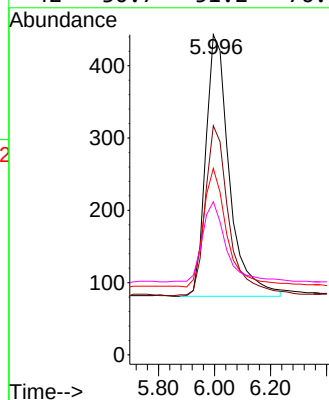
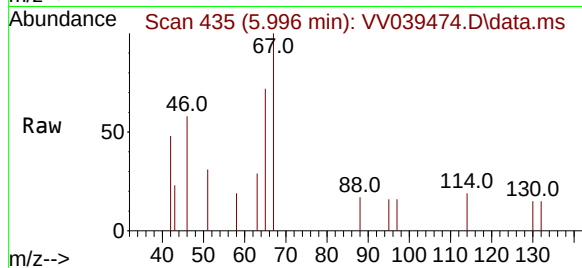
Ion Ratio Lower Upper

67 100

65 64.8 37.9 56.9#

46 44.4 27.4 41.0#

42 30.7 51.2 76.8#



#8

Toluene-d8

Concen: 0.476 ug/L

RT: 7.254 min Scan# 488

Delta R.T. 0.016 min

Lab File: VV039474.D

Acq: 05 Dec 2025 12:30

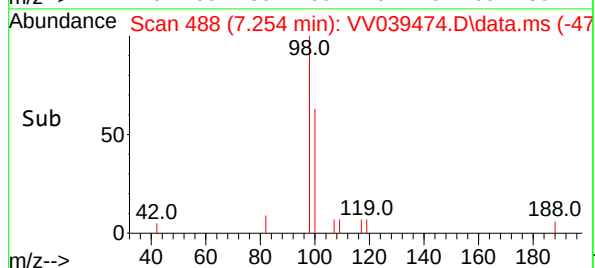
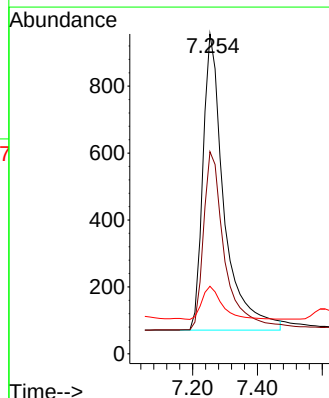
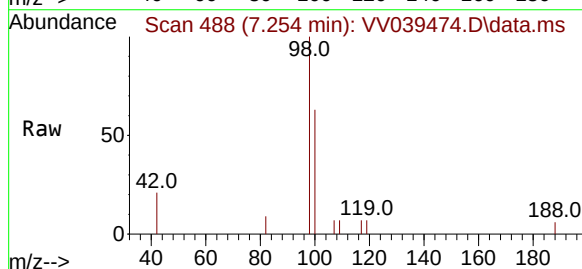
Tgt Ion: 98 Resp: 4006

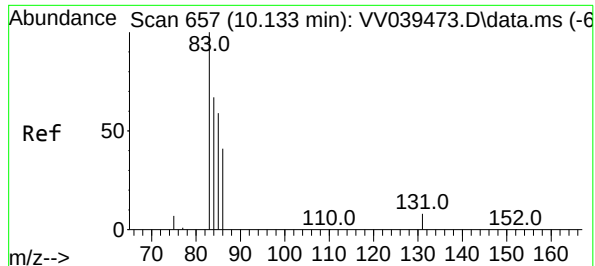
Ion Ratio Lower Upper

98 100

100 60.3 44.5 82.7

42 10.6 10.1 18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.541 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039474.D

Acq: 05 Dec 2025 12:30

Instrument :

MSVOA\_V

ClientSampleId :

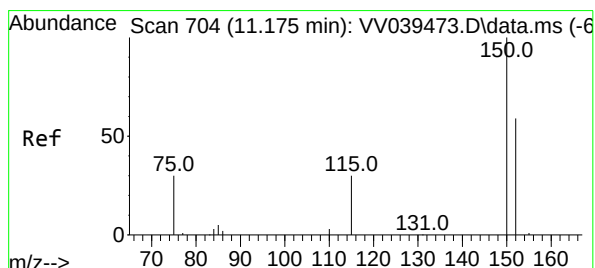
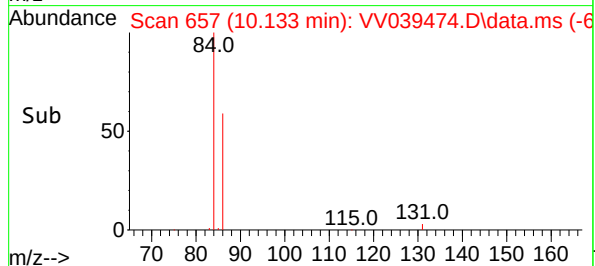
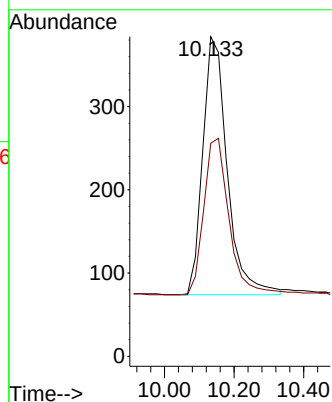
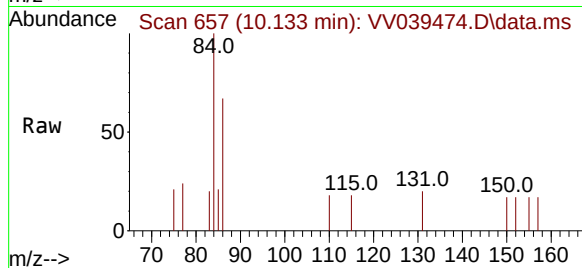
VBLK236

Tgt Ion: 84 Resp: 1520

Ion Ratio Lower Upper

84 100

86 62.5 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039474.D

Acq: 05 Dec 2025 12:30

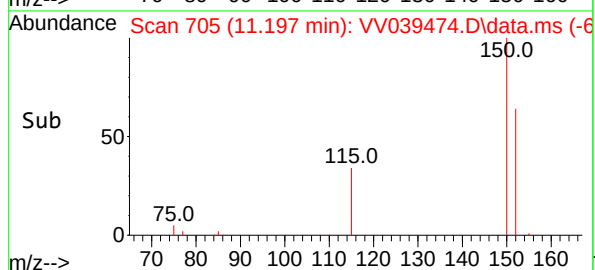
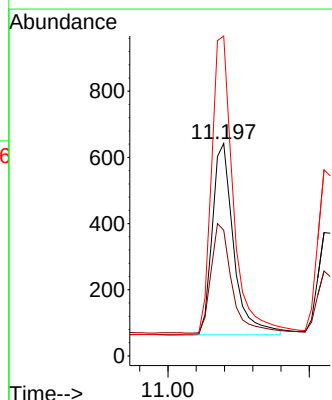
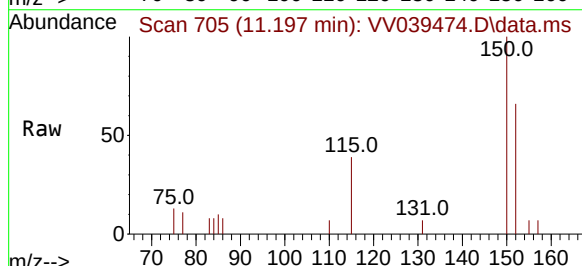
Tgt Ion: 152 Resp: 3034

Ion Ratio Lower Upper

152 100

115 55.8 0.0 101.6

150 158.4 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120925\  
Data File : VV039502.D  
Acq On : 09 Dec 2025 14:29  
Operator : SY/MD  
Sample : VV1209WBL01  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK238

Quant Time: Dec 10 01:16:27 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 09 08:40:48 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.566  | 114  | 6387     | 0.500 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 8.801  | 117  | 5976     | 0.500 | ug/L  | 0.02     |
| 12) 1,4-Dichlorobenzene-d4 | 11.198 | 152  | 3086     | 0.500 | ug/L  | 0.02     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 2) Vinyl Chloride-d3          | 1.295  | 65    | 3547     | 0.566    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =    | 114.000% |
| 4) 1,2-Dichloroethane-d4      | 4.970  | 65    | 1848     | 0.435    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 86.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.996  | 67    | 2092     | 0.415    | ug/L | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =    | 82.000%  |
| 8) Toluene-d8                 | 7.254  | 98    | 4027     | 0.473    | ug/L | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =    | 94.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1438     | 0.506    | ug/L | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =    | 102.000% |

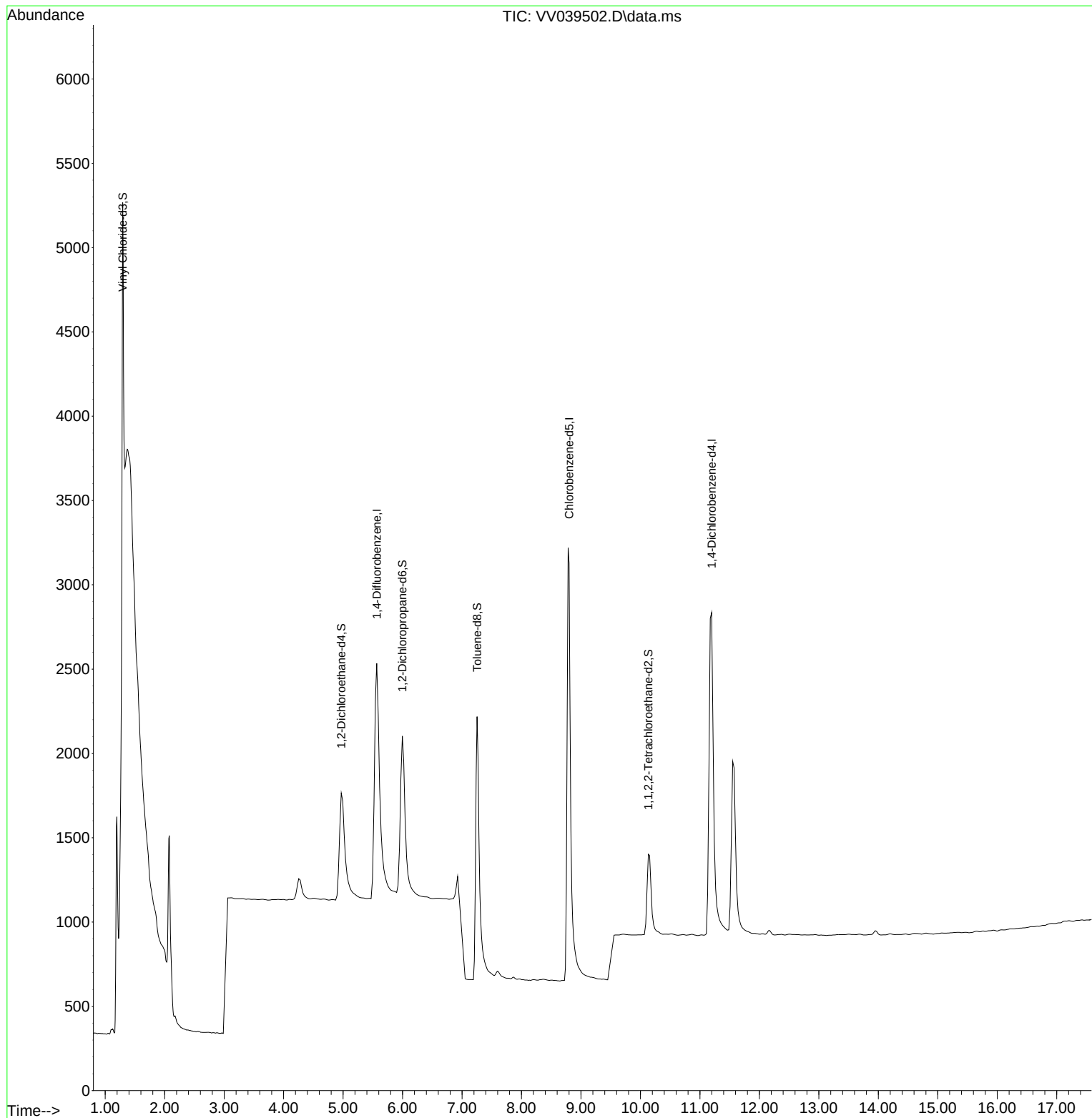
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

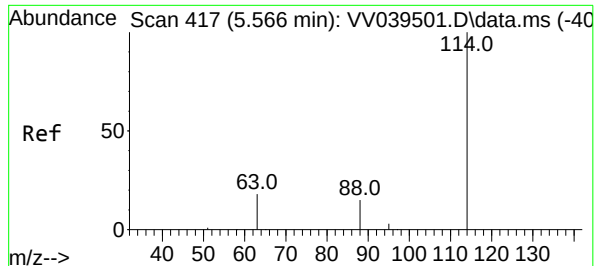
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120925\  
Data File : VV039502.D  
Acq On : 09 Dec 2025 14:29  
Operator : SY/MD  
Sample : VV1209WBL01  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK238

Quant Time: Dec 10 01:16:27 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 09 08:40:48 2025  
Response via : Initial Calibration

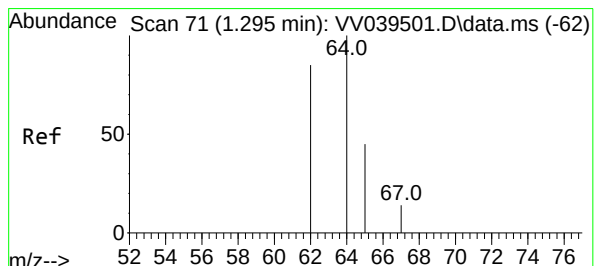
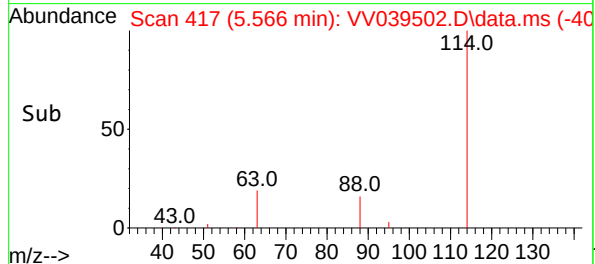
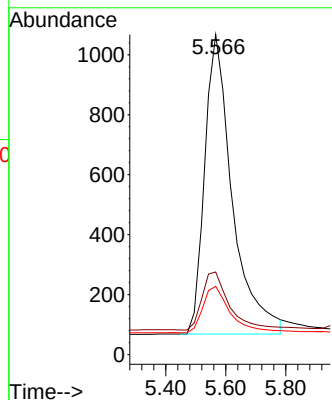
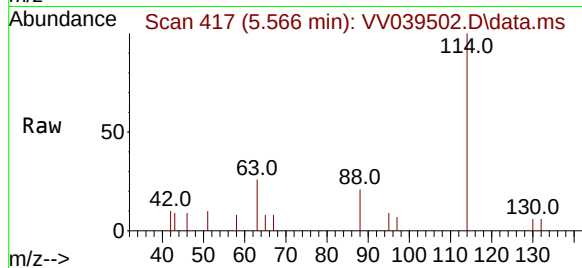




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 417  
Delta R.T. 0.000 min  
Lab File: VV039502.D  
Acq: 09 Dec 2025 14:29

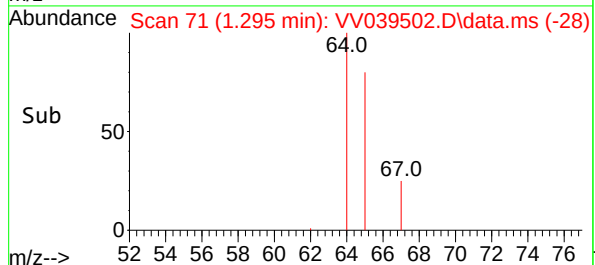
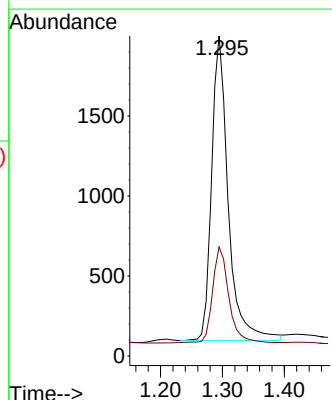
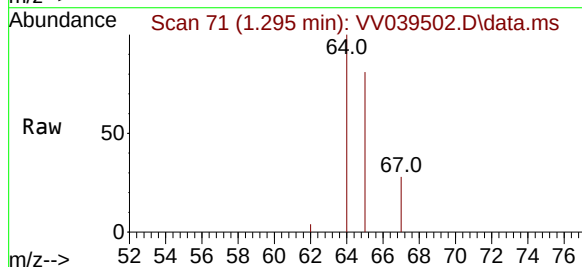
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK238

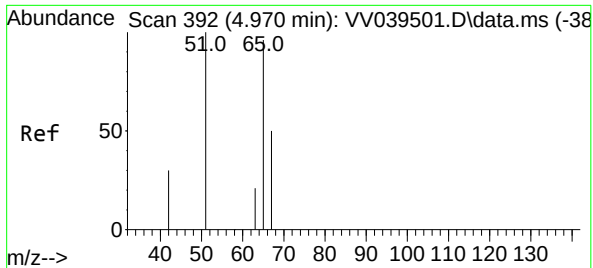
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 6387  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 19.4  | 15.0  | 22.4  |
| 88       | 15.4  | 12.0  | 18.0  |



#2  
Vinyl Chloride-d3  
Concen: 0.566 ug/L  
RT: 1.295 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VV039502.D  
Acq: 09 Dec 2025 14:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 3547  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 31.5  | 22.3  | 41.5  |

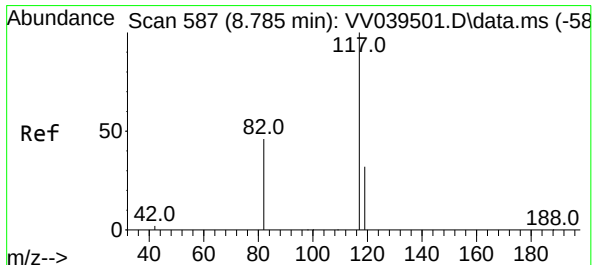
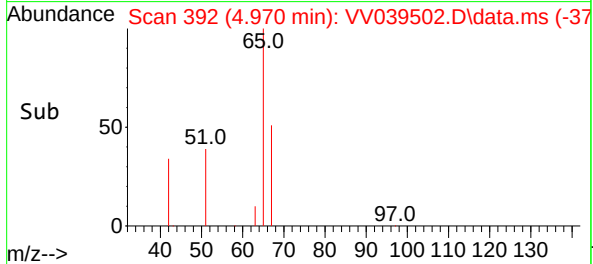
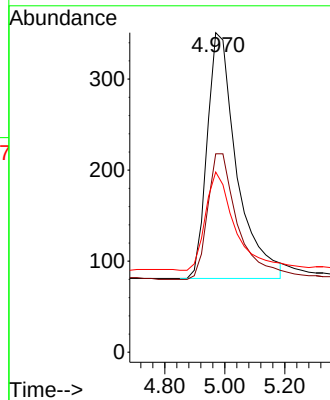
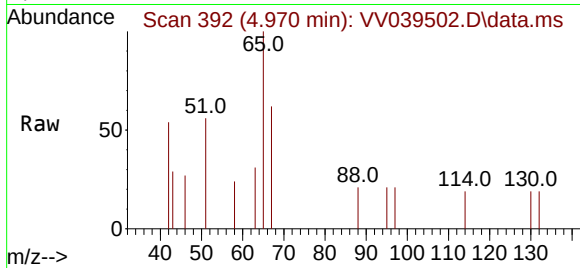




#4  
1,2-Dichloroethane-d4  
Concen: 0.435 ug/L  
RT: 4.970 min Scan# 392  
Delta R.T. 0.001 min  
Lab File: VV039502.D  
Acq: 09 Dec 2025 14:29

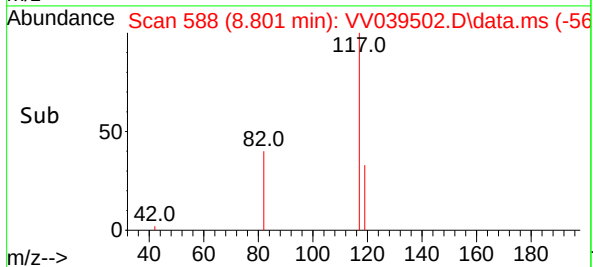
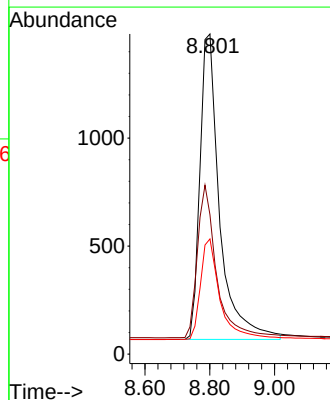
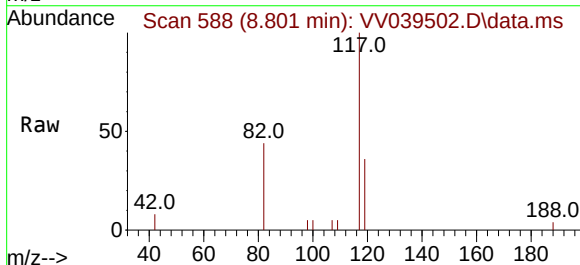
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK238

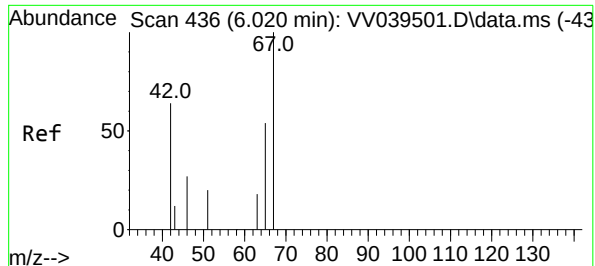
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 1848  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 52.3  | 32.5  | 60.3  |
| 51       | 39.8  | 121.4 | 225.6 |



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.801 min Scan# 588  
Delta R.T. 0.016 min  
Lab File: VV039502.D  
Acq: 09 Dec 2025 14:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 5976  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 48.7  | 39.4  | 59.2  |
| 119      | 32.9  | 26.2  | 39.2  |

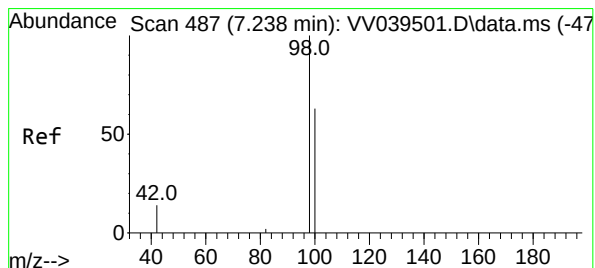
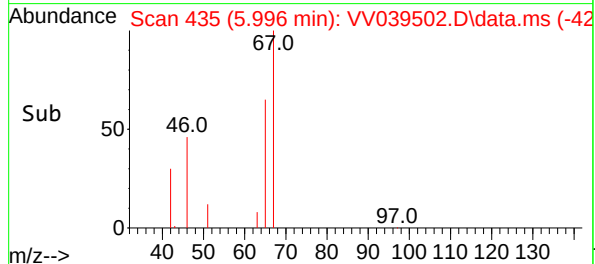
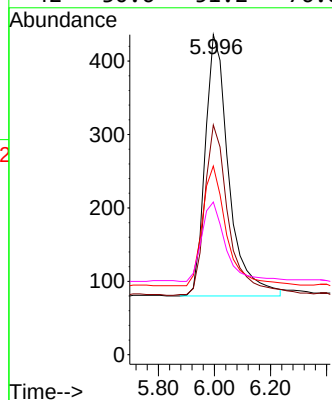
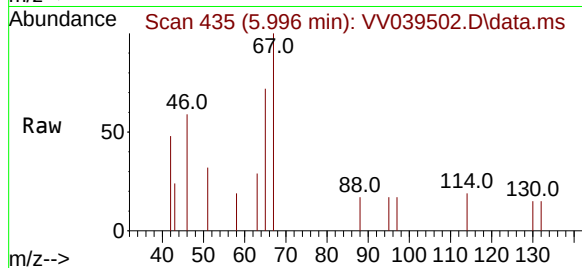




#7  
1,2-Dichloropropane-d6  
Concen: 0.415 ug/L  
RT: 5.996 min Scan# 41  
Delta R.T. -0.023 min  
Lab File: VV039502.D  
Acq: 09 Dec 2025 14:29

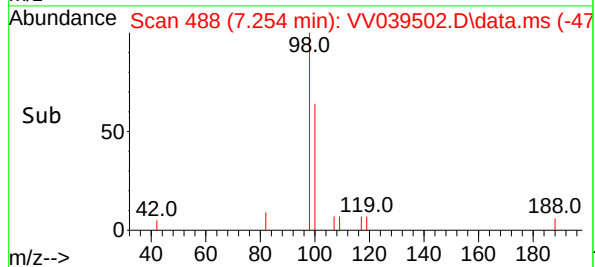
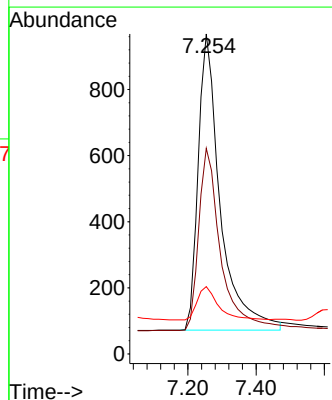
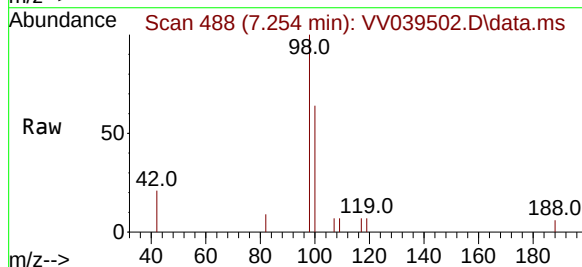
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK238

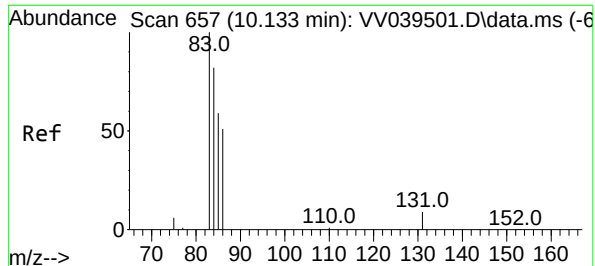
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 67    | Resp: | 2092  |
| Ion      | Ratio | Lower | Upper |
| 67       | 100   |       |       |
| 65       | 65.8  | 37.9  | 56.9# |
| 46       | 46.0  | 27.4  | 41.0# |
| 42       | 30.6  | 51.2  | 76.8# |



#8  
Toluene-d8  
Concen: 0.473 ug/L  
RT: 7.254 min Scan# 488  
Delta R.T. 0.016 min  
Lab File: VV039502.D  
Acq: 09 Dec 2025 14:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 4027  |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 61.6  | 44.5  | 82.7  |
| 42       | 10.7  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.506 ug/L

RT: 10.133 min Scan# 61

Delta R.T. 0.000 min

Lab File: VV039502.D

Acq: 09 Dec 2025 14:29

Instrument :

MSVOA\_V

ClientSampleId :

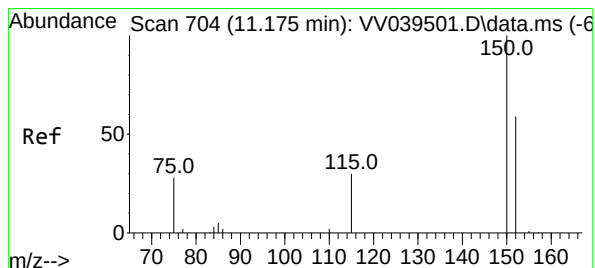
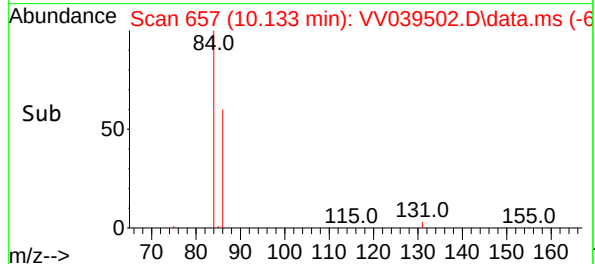
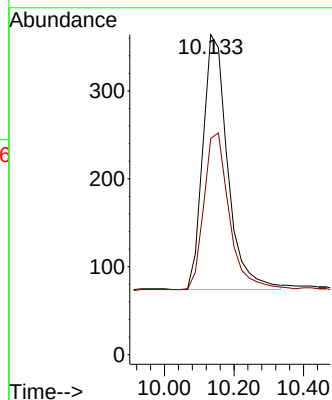
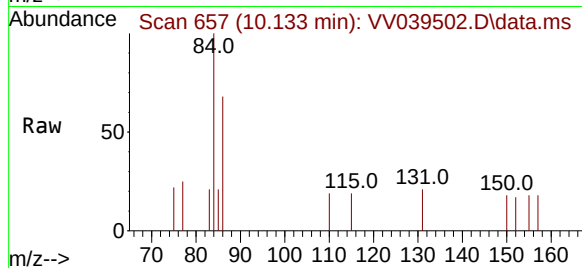
VBLK238

Tgt Ion: 84 Resp: 1438

Ion Ratio Lower Upper

84 100

86 62.9 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.198 min Scan# 705

Delta R.T. 0.023 min

Lab File: VV039502.D

Acq: 09 Dec 2025 14:29

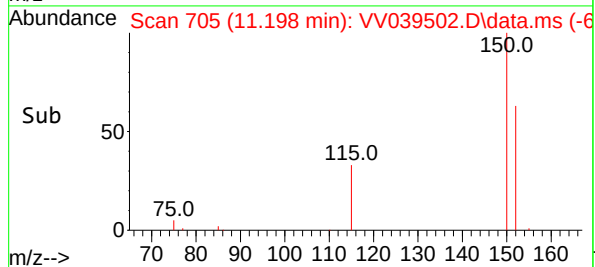
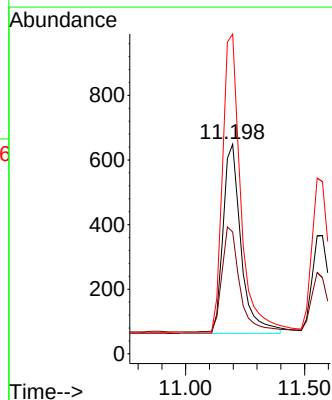
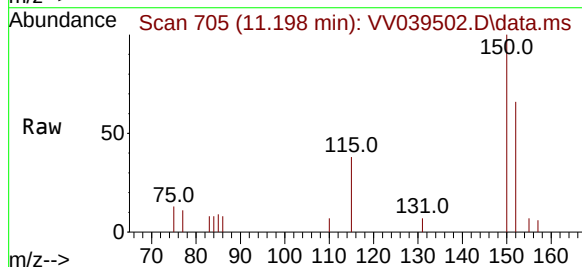
Tgt Ion: 152 Resp: 3086

Ion Ratio Lower Upper

152 100

115 54.4 0.0 101.6

150 158.6 0.0 396.2







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

## Manual Integration Report

Sequence:

VV120325

Instrument

MSVOA\_v

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason



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

## Manual Integration Report

Sequence:

VV120525

Instrument

MSVOA\_v

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VV120925 | Instrument | MSVOA_v |
|-----------|----------|------------|---------|

| Sample ID | File ID    | Parameter         | Review By | Review On                | Supervised By | Supervised On             | Reason                      |
|-----------|------------|-------------------|-----------|--------------------------|---------------|---------------------------|-----------------------------|
| Q3757-06  | VV039504.D | Vinyl Chloride-d3 | JOHN      | 12/10/2025<br>9:02:00 AM | MMDadoda      | 12/10/2025<br>10:09:59 AM | Peak Integrated by Software |
| Q3757-14  | VV039514.D | Vinyl Chloride-d3 | JOHN      | 12/10/2025<br>9:02:28 AM | MMDadoda      | 12/10/2025<br>10:10:20 AM | Peak Integrated by Software |

Instrument ID: **MSVOA\_V**

**Daily Analysis Runlog For Sequence/QCBatch ID # VV120325**

|                          |                     |                                                        |                      |                      |                    |
|--------------------------|---------------------|--------------------------------------------------------|----------------------|----------------------|--------------------|
| Review By                | John Carlone        | Review On                                              | 12/4/2025 8:40:56 AM |                      |                    |
| Supervise By             | Semsettin Yesilyurt | Supervise On                                           | 12/5/2025 2:13:50 PM |                      |                    |
| SubDirectory             | VV120325            | HP Acquire Method                                      | MSVOA_V              | HP Processing Method | SFAMVSIM120325MA.M |
| STD. NAME                |                     | STD REF.#                                              |                      |                      |                    |
| Tune/Reschk              |                     | VP136558                                               |                      |                      |                    |
| Initial Calibration Stds |                     | VP136546,VP136547,VP136548,VP136549,VP136550,VP136551, |                      |                      |                    |
| CCC                      |                     | VP136553                                               |                      |                      |                    |
| Internal Standard/PEM    |                     | VP135611                                               |                      |                      |                    |
| ICV/I.BLK                |                     | VP136552                                               |                      |                      |                    |
| Surrogate Standard       |                     |                                                        |                      |                      |                    |
| MS/MSD Standard          |                     |                                                        |                      |                      |                    |
| LCS Standard             |                     |                                                        |                      |                      |                    |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB244       | VV039444.D     | 03 Dec 2025 09:23 | SY/MD    | Ok     |
| 2   | VSTD0.0269   | VV039445.D     | 03 Dec 2025 09:55 | SY/MD    | Ok     |
| 3   | VSTD0.0570   | VV039446.D     | 03 Dec 2025 10:32 | SY/MD    | Ok     |
| 4   | VSTD0.171    | VV039447.D     | 03 Dec 2025 10:58 | SY/MD    | Ok     |
| 5   | VSTD0.572    | VV039448.D     | 03 Dec 2025 11:25 | SY/MD    | Ok     |
| 6   | VSTD00173    | VV039449.D     | 03 Dec 2025 11:52 | SY/MD    | Ok     |
| 7   | VSTD00274    | VV039450.D     | 03 Dec 2025 12:18 | SY/MD    | Ok     |
| 8   | VSTDICV0.5   | VV039451.D     | 03 Dec 2025 12:56 | SY/MD    | Ok     |
| 9   | VV1203WBL01  | VV039452.D     | 03 Dec 2025 13:50 | SY/MD    | Ok     |
| 10  | Q3743-05     | VV039453.D     | 03 Dec 2025 14:42 | SY/MD    | Ok     |
| 11  | Q3743-01     | VV039454.D     | 03 Dec 2025 15:03 | SY/MD    | Ok     |
| 12  | Q3743-02     | VV039455.D     | 03 Dec 2025 15:24 | SY/MD    | Ok     |
| 13  | VSTDCCC0.5EC | VV039456.D     | 03 Dec 2025 15:59 | SY/MD    | Ok     |

M : Manual Integration

Instrument ID: MSVOA\_V

**Daily Analysis Runlog For Sequence/QCBatch ID # VV120525**

|                                         |                     |                   |                       |                      |                    |
|-----------------------------------------|---------------------|-------------------|-----------------------|----------------------|--------------------|
| Review By                               | Semsettin Yesilyurt | Review On         | 12/7/2025 10:27:36 PM |                      |                    |
| Supervise By                            | Mahesh Dadoda       | Supervise On      | 12/8/2025 7:48:16 AM  |                      |                    |
| SubDirectory                            | VV120525            | HP Acquire Method | MSVOA_V               | HP Processing Method | SFAMVSIM120325MA.M |
| STD. NAME                               |                     | STD REF.#         |                       |                      |                    |
| Tune/Reschk<br>Initial Calibration Stds |                     | VP136560          |                       |                      |                    |
| CCC                                     |                     | VP136556,VP136557 |                       |                      |                    |
| Internal Standard/PEM                   |                     | VP136511          |                       |                      |                    |
| ICV/I.BLK                               |                     |                   |                       |                      |                    |
| Surrogate Standard                      |                     |                   |                       |                      |                    |
| MS/MSD Standard                         |                     |                   |                       |                      |                    |
| LCS Standard                            |                     |                   |                       |                      |                    |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB246       | VV039472.D     | 05 Dec 2025 10:46 | SY/MD    | Ok     |
| 2   | VSTDCCC0.5   | VV039473.D     | 05 Dec 2025 11:47 | SY/MD    | Ok     |
| 3   | VV1205WBL01  | VV039474.D     | 05 Dec 2025 12:30 | SY/MD    | Ok     |
| 4   | Q3757-02     | VV039475.D     | 05 Dec 2025 13:16 | SY/MD    | ReRun  |
| 5   | Q3757-06     | VV039476.D     | 05 Dec 2025 13:37 | SY/MD    | ReRun  |
| 6   | Q3757-08     | VV039477.D     | 05 Dec 2025 14:16 | SY/MD    | Ok     |
| 7   | Q3757-12     | VV039478.D     | 05 Dec 2025 14:37 | SY/MD    | Ok     |
| 8   | Q3757-04     | VV039479.D     | 05 Dec 2025 14:59 | SY/MD    | Not Ok |
| 9   | VIBLK230     | VV039480.D     | 05 Dec 2025 15:20 | SY/MD    | Ok     |
| 10  | Q3757-10     | VV039481.D     | 05 Dec 2025 15:47 | SY/MD    | Ok     |
| 11  | Q3743-05     | VV039482.D     | 05 Dec 2025 16:08 | SY/MD    | Not Ok |
| 12  | Q3756-12     | VV039483.D     | 05 Dec 2025 16:29 | SY/MD    | Ok     |
| 13  | VSTDCCC0.5EC | VV039484.D     | 05 Dec 2025 16:50 | SY/MD    | Ok     |

M : Manual Integration

Instrument ID: MSVOA\_V

**Daily Analysis Runlog For Sequence/QC Batch ID # VV120925**

|                                                                                                    |                               |                      |                        |
|----------------------------------------------------------------------------------------------------|-------------------------------|----------------------|------------------------|
| Review By                                                                                          | John Carlone                  | Review On            | 12/10/2025 8:59:43 AM  |
| Supervise By                                                                                       | Maresh Dadoda                 | Supervise On         | 12/10/2025 10:11:54 AM |
| SubDirectory                                                                                       | VV120925                      | HP Acquire Method    | sim_v                  |
|                                                                                                    |                               | HP Processing Method | SFAMVSIM120325MA.M     |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>              |                      |                        |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136595                      |                      |                        |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136592,VP136593<br>VP135611 |                      |                        |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB248       | VV039500.D     | 09 Dec 2025 12:56 | SY/MD    | Ok     |
| 2   | VSTDCCC0.5   | VV039501.D     | 09 Dec 2025 13:58 | SY/MD    | Ok     |
| 3   | VV1209WBL01  | VV039502.D     | 09 Dec 2025 14:29 | SY/MD    | Ok     |
| 4   | Q3757-02     | VV039503.D     | 09 Dec 2025 15:00 | SY/MD    | Ok     |
| 5   | Q3757-06     | VV039504.D     | 09 Dec 2025 15:21 | SY/MD    | Ok,M   |
| 6   | Q3757-11     | VV039505.D     | 09 Dec 2025 15:42 | SY/MD    | Ok     |
| 7   | Q3787-08     | VV039506.D     | 09 Dec 2025 16:03 | SY/MD    | Ok     |
| 8   | Q3787-10     | VV039507.D     | 09 Dec 2025 16:24 | SY/MD    | Ok     |
| 9   | Q3787-12     | VV039508.D     | 09 Dec 2025 16:45 | SY/MD    | Ok     |
| 10  | Q3787-14     | VV039509.D     | 09 Dec 2025 17:06 | SY/MD    | Ok     |
| 11  | Q3787-16     | VV039510.D     | 09 Dec 2025 17:27 | SY/MD    | Ok,M   |
| 12  | Q3787-18     | VV039511.D     | 09 Dec 2025 17:48 | SY/MD    | Ok,M   |
| 13  | Q3787-20     | VV039512.D     | 09 Dec 2025 18:09 | SY/MD    | Ok,M   |
| 14  | VIBLK234     | VV039513.D     | 09 Dec 2025 18:30 | SY/MD    | Ok,M   |
| 15  | Q3757-14     | VV039514.D     | 09 Dec 2025 18:51 | SY/MD    | Ok,M   |
| 16  | VSTDCCC0.5EC | VV039515.D     | 09 Dec 2025 19:12 | SY/MD    | Ok     |

M : Manual Integration

Instrument ID: MSVOA\_V

### Daily Analysis Runlog For Sequence/QC Batch ID # VV120325

|              |                     |                      |                      |
|--------------|---------------------|----------------------|----------------------|
| Review By    | John Carlone        | Review On            | 12/4/2025 8:40:56 AM |
| Supervise By | Semsettin Yesilyurt | Supervise On         | 12/5/2025 2:13:50 PM |
| SubDirectory | VV120325            | HP Acquire Method    | MSVOA_V              |
|              |                     | HP Processing Method | SFAMVSIM120325MA.M   |

| STD. NAME                | STD REF.#                                              |
|--------------------------|--------------------------------------------------------|
| Tune/Reschk              | VP136558                                               |
| Initial Calibration Stds | VP136546,VP136547,VP136548,VP136549,VP136550,VP136551, |
| CCC                      | VP136553                                               |
| Internal Standard/PEM    | VP135611                                               |
| ICV/I.BLK                | VP136552                                               |
| Surrogate Standard       |                                                        |
| MS/MSD Standard          |                                                        |
| LCS Standard             |                                                        |

| Sr# | SampleId     | ClientID    | Data File Name | Date-Time         | Comment                                        | Operator | Status |
|-----|--------------|-------------|----------------|-------------------|------------------------------------------------|----------|--------|
| 1   | BFB244       | BFB244      | VV039444.D     | 03 Dec 2025 09:23 |                                                | SY/MD    | Ok     |
| 2   | VSTD0.0269   | VSTD0.02269 | VV039445.D     | 03 Dec 2025 09:55 | added NEW-low level                            | SY/MD    | Ok     |
| 3   | VSTD0.0570   | VSTD0.05270 | VV039446.D     | 03 Dec 2025 10:32 |                                                | SY/MD    | Ok     |
| 4   | VSTD0.171    | VSTD0.1271  | VV039447.D     | 03 Dec 2025 10:58 | SFAM -sim-method                               | SY/MD    | Ok     |
| 5   | VSTD0.572    | VSTD0.5272  | VV039448.D     | 03 Dec 2025 11:25 | Modified for<br>analyte-1122-tetrachloroethane | SY/MD    | Ok     |
| 6   | VSTD00173    | VSTD001273  | VV039449.D     | 03 Dec 2025 11:52 | pH#lot#v14222                                  | SY/MD    | Ok     |
| 7   | VSTD00274    | VSTD002274  | VV039450.D     | 03 Dec 2025 12:18 |                                                | SY/MD    | Ok     |
| 8   | VSTDICV0.5   | VICV275     | VV039451.D     | 03 Dec 2025 12:56 |                                                | SY/MD    | Ok     |
| 9   | VV1203WBL01  | VBLK234     | VV039452.D     | 03 Dec 2025 13:50 |                                                | SY/MD    | Ok     |
| 10  | Q3743-05     | TB          | VV039453.D     | 03 Dec 2025 14:42 | pH#1.0 B,TB                                    | SY/MD    | Ok     |
| 11  | Q3743-01     | TW-1125-1   | VV039454.D     | 03 Dec 2025 15:03 | pH#1.0 C                                       | SY/MD    | Ok     |
| 12  | Q3743-02     | TW-1125-2   | VV039455.D     | 03 Dec 2025 15:24 | pH#1.0 C                                       | SY/MD    | Ok     |
| 13  | VSTDCCC0.5EC | VSTD0.5332  | VV039456.D     | 03 Dec 2025 15:59 |                                                | SY/MD    | Ok     |

M : Manual Integration

Instrument ID: MSVOA\_V

**Daily Analysis Runlog For Sequence/QC Batch ID # VV120525**

|              |                     |                      |                       |
|--------------|---------------------|----------------------|-----------------------|
| Review By    | Semsettin Yesilyurt | Review On            | 12/7/2025 10:27:36 PM |
| Supervise By | Maresh Dadoda       | Supervise On         | 12/8/2025 7:48:16 AM  |
| SubDirectory | VV120525            | HP Acquire Method    | MSVOA_V               |
|              |                     | HP Processing Method | SFAMVSIM120325MA.M    |

| STD. NAME                                                                                          | STD REF.#                     |
|----------------------------------------------------------------------------------------------------|-------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136560                      |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136556,VP136557<br>VP136511 |

| Sr# | SampleId     | ClientID              | Data File Name | Date-Time         | Comment                               | Operator | Status |
|-----|--------------|-----------------------|----------------|-------------------|---------------------------------------|----------|--------|
| 1   | BFB246       | BFB246                | VV039472.D     | 05 Dec 2025 10:46 |                                       | SY/MD    | Ok     |
| 2   | VSTDCCC0.5   | VSTD0.5335            | VV039473.D     | 05 Dec 2025 11:47 |                                       | SY/MD    | Ok     |
| 3   | VV1205WBL01  | VBLK236               | VV039474.D     | 05 Dec 2025 12:30 |                                       | SY/MD    | Ok     |
| 4   | Q3757-02     | MW-14A-17.5-120325-S  | VV039475.D     | 05 Dec 2025 13:16 | Surrogate Fail                        | SY/MD    | ReRun  |
| 5   | Q3757-06     | MW-14B-46-120325-SI   | VV039476.D     | 05 Dec 2025 13:37 | Surrogate Fail;Internal Standard Fail | SY/MD    | ReRun  |
| 6   | Q3757-08     | RMW-05B-90.5-120325-S | VV039477.D     | 05 Dec 2025 14:16 | pH#1.0 A                              | SY/MD    | Ok     |
| 7   | Q3757-12     | TB01-120325           | VV039478.D     | 05 Dec 2025 14:37 | TB                                    | SY/MD    | Ok     |
| 8   | Q3757-04     | BR-03D-490-120325-S   | VV039479.D     | 05 Dec 2025 14:59 | Sim analysis not required             | SY/MD    | Not Ok |
| 9   | VIBLK230     | VIBLK230              | VV039480.D     | 05 Dec 2025 15:20 |                                       | SY/MD    | Ok     |
| 10  | Q3757-10     | OW-05B-72-120325-SI   | VV039481.D     | 05 Dec 2025 15:47 | pH#1.0 A                              | SY/MD    | Ok     |
| 11  | Q3743-05     | TB                    | VV039482.D     | 05 Dec 2025 16:08 | Already analyzed                      | SY/MD    | Not Ok |
| 12  | Q3756-12     | VHBLK001              | VV039483.D     | 05 Dec 2025 16:29 | SB                                    | SY/MD    | Ok     |
| 13  | VSTDCCC0.5EC | VSTD0.5336            | VV039484.D     | 05 Dec 2025 16:50 |                                       | SY/MD    | Ok     |

M : Manual Integration



Instrument ID: MSVOA\_V

### Daily Analysis Runlog For Sequence/QC Batch ID # VV120925

|              |               |                      |                        |
|--------------|---------------|----------------------|------------------------|
| Review By    | John Carlone  | Review On            | 12/10/2025 8:59:43 AM  |
| Supervise By | Maresh Dadoda | Supervise On         | 12/10/2025 10:11:54 AM |
| SubDirectory | VV120925      | HP Acquire Method    | sim_v                  |
|              |               | HP Processing Method | SFAMVSIM120325MA.M     |

| STD. NAME                                                                                          | STD REF.#                     |
|----------------------------------------------------------------------------------------------------|-------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136595                      |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136592,VP136593<br>VP135611 |

| Sr# | SampleID     | ClientID             | Data File Name | Date-Time         | Comment       | Operator | Status |
|-----|--------------|----------------------|----------------|-------------------|---------------|----------|--------|
| 1   | BFB248       | BFB248               | VV039500.D     | 09 Dec 2025 12:56 |               | SY/MD    | Ok     |
| 2   | VSTDCCC0.5   | VSTD0.5339           | VV039501.D     | 09 Dec 2025 13:58 | pH#lot#v14222 | SY/MD    | Ok     |
| 3   | VV1209WBL01  | VBLK238              | VV039502.D     | 09 Dec 2025 14:29 |               | SY/MD    | Ok     |
| 4   | Q3757-02     | MW-14A-17.5-120325-S | VV039503.D     | 09 Dec 2025 15:00 | pH#1.0 B      | SY/MD    | Ok     |
| 5   | Q3757-06     | MW-14B-46-120325-S   | VV039504.D     | 09 Dec 2025 15:21 | pH#1.0 B      | SY/MD    | Ok,M   |
| 6   | Q3757-11     | EB01-120325          | VV039505.D     | 09 Dec 2025 15:42 | EB            | SY/MD    | Ok     |
| 7   | Q3787-08     | OWBR-02-170-120425-S | VV039506.D     | 09 Dec 2025 16:03 | pH#1.0 A      | SY/MD    | Ok     |
| 8   | Q3787-10     | OWBR-02-170-120425-S | VV039507.D     | 09 Dec 2025 16:24 | pH#1.0 A      | SY/MD    | Ok     |
| 9   | Q3787-12     | OW-03B-51.5-120425-S | VV039508.D     | 09 Dec 2025 16:45 | pH#1.0 A      | SY/MD    | Ok     |
| 10  | Q3787-14     | OW-03B-51.5-120425-S | VV039509.D     | 09 Dec 2025 17:06 | pH#1.0 A      | SY/MD    | Ok     |
| 11  | Q3787-16     | OW-08B-72.5-120425-S | VV039510.D     | 09 Dec 2025 17:27 | pH#1.0 A      | SY/MD    | Ok,M   |
| 12  | Q3787-18     | OW-08B-72.5-120425-S | VV039511.D     | 09 Dec 2025 17:48 | pH#1.0 A      | SY/MD    | Ok,M   |
| 13  | Q3787-20     | OW-02B-21.2-120425-S | VV039512.D     | 09 Dec 2025 18:09 | pH#1.0 A      | SY/MD    | Ok,M   |
| 14  | VIBLK234     | VIBLK234             | VV039513.D     | 09 Dec 2025 18:30 |               | SY/MD    | Ok,M   |
| 15  | Q3757-14     | VHBLK001             | VV039514.D     | 09 Dec 2025 18:51 | pH#1.0 A ,SB  | SY/MD    | Ok,M   |
| 16  | VSTDCCC0.5EC | VSTD0.5340           | VV039515.D     | 09 Dec 2025 19:12 |               | SY/MD    | Ok     |

M : Manual Integration

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q3757                          | <b>OrderDate:</b> | 12/3/2025 9:25:00 AM                      |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | --Select--,A11,VOA Lab                    |

| LabID      | ClientID                    | Matrix | Test         | Method          | Sample Date | Prep Date | Anal Date | Received |
|------------|-----------------------------|--------|--------------|-----------------|-------------|-----------|-----------|----------|
| Q3757-01   | MW-14A-17.5-120325          | Water  | VOCMS Group3 | 8260-Low        | 12/03/25    |           | 12/05/25  | 12/03/25 |
| Q3757-02   | MW-14A-17.5-120325<br>-SIM  | Water  | VOC-SIM      | SFAM_VOCSI<br>M | 12/03/25    |           | 12/09/25  | 12/03/25 |
| Q3757-03   | BR-03D-490-120325           | Water  | VOCMS Group3 | 8260-Low        | 12/03/25    |           | 12/05/25  | 12/03/25 |
| Q3757-05   | MW-14B-46-120325            | Water  | VOCMS Group3 | 8260-Low        | 12/03/25    |           | 12/05/25  | 12/03/25 |
| Q3757-05RE | MW-14B-46-120325R<br>E      | Water  | VOCMS Group3 | 8260-Low        | 12/03/25    |           | 12/08/25  | 12/03/25 |
| Q3757-06   | MW-14B-46-120325-S<br>IM    | Water  | VOC-SIM      | SFAM_VOCSI<br>M | 12/03/25    |           | 12/09/25  | 12/03/25 |
| Q3757-07   | RMW-05B-90.5-12032<br>5     | Water  | VOCMS Group3 | 8260-Low        | 12/03/25    |           | 12/05/25  | 12/03/25 |
| Q3757-08   | RMW-05B-90.5-12032<br>5-SIM | Water  | VOC-SIM      | SFAM_VOCSI<br>M | 12/03/25    |           | 12/05/25  | 12/03/25 |
| Q3757-09   | OW-05B-72-120325            | Water  | VOCMS Group3 | 8260-Low        | 12/03/25    |           | 12/05/25  | 12/03/25 |

## LAB CHRONICLE

|                   |                                  |              |              |                 |                 |                 |
|-------------------|----------------------------------|--------------|--------------|-----------------|-----------------|-----------------|
| <b>Q3757-09RE</b> | <b>OW-05B-72-120325R<br/>E</b>   | <b>Water</b> |              |                 | <b>12/03/25</b> | <b>12/03/25</b> |
|                   |                                  |              | VOCMS Group3 | 8260-Low        |                 | 12/08/25        |
| <b>Q3757-10</b>   | <b>OW-05B-72-120325-S<br/>IM</b> | <b>Water</b> |              |                 | <b>12/03/25</b> | <b>12/03/25</b> |
|                   |                                  |              | VOC-SIM      | SFAM_VOCSI<br>M |                 | 12/05/25        |
| <b>Q3757-11</b>   | <b>EB01-120325</b>               | <b>Water</b> |              |                 | <b>12/03/25</b> | <b>12/03/25</b> |
|                   |                                  |              | VOCMS Group3 | 8260-Low        |                 | 12/04/25        |
|                   |                                  |              | VOC-SIM      | SFAM_VOCSI<br>M |                 | 12/09/25        |
| <b>Q3757-12</b>   | <b>TB01-120325</b>               | <b>Water</b> |              |                 | <b>12/03/25</b> | <b>12/03/25</b> |
|                   |                                  |              | VOCMS Group3 | 8260-Low        |                 | 12/04/25        |
|                   |                                  |              | VOC-SIM      | SFAM_VOCSI<br>M |                 | 12/05/25        |
| <b>Q3757-14</b>   | <b>VHBLK001</b>                  | <b>Water</b> |              |                 | <b>12/03/25</b> | <b>12/03/25</b> |
|                   |                                  |              | VOC-SIM      | SFAM_VOCSI<br>M |                 | 12/09/25        |

### Hit Summary Sheet SW-846

**SDG No.:** Q3757

**Client:** JACOBS Engineering Group, Inc.

| Sample ID                              | Client ID           | Parameter | Concentration               | C            | MDL    | RDL  | Units |
|----------------------------------------|---------------------|-----------|-----------------------------|--------------|--------|------|-------|
| <b>Client ID : BR-03D-490-120325</b>   |                     |           |                             |              |        |      |       |
| Q3757-03                               | BR-03D-490-120325   | WATER     | 1,4-Dioxane                 | 20.800       | E 0.07 | 0.22 | ug/L  |
|                                        |                     |           | <b>Total Svoc :</b>         | <b>20.80</b> |        |      |       |
|                                        |                     |           | <b>Total Concentration:</b> | <b>20.80</b> |        |      |       |
| <b>Client ID : BR-03D-490-120325DL</b> |                     |           |                             |              |        |      |       |
| Q3757-03DL                             | BR-03D-490-120325DL | WATER     | 1,4-Dioxane                 | 24.100       | D 0.73 | 2.2  | ug/L  |
|                                        |                     |           | <b>Total Svoc :</b>         | <b>24.10</b> |        |      |       |
|                                        |                     |           | <b>Total Concentration:</b> | <b>24.10</b> |        |      |       |
| <b>Client ID : OW-05B-72-120325</b>    |                     |           |                             |              |        |      |       |
| Q3757-09                               | OW-05B-72-120325    | WATER     | 1,4-Dioxane                 | 1.100        | 0.07   | 0.21 | ug/L  |
|                                        |                     |           | <b>Total Svoc :</b>         | <b>1.10</b>  |        |      |       |
|                                        |                     |           | <b>Total Concentration:</b> | <b>1.10</b>  |        |      |       |



# SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

K

## Report of Analysis

|                                                    |                          |  |
|----------------------------------------------------|--------------------------|--|
| Client: JACOBS Engineering Group, Inc.             | Date Collected: 12/03/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/03/25  |  |
| Client Sample ID: MW-14A-17.5-120325               | SDG No.: Q3757           |  |
| Lab Sample ID: Q3757-01                            | Matrix: Water            |  |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid: 0               |  |
| Sample Wt/Vol: 890 mL    Final Vol: 1000 uL        | Test: SVOC-SIMGroup1     |  |
| Prep Method : 3510C    Prep Date: 12/05/25         |                          |  |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.22       | ug/L     | 12/06/25 05:11 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.28              |      |    | 30 (47) - 150 (106) | 70%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.43              |      |    | 30 (54) - 150 (157) | 108%       | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.33              |      |    | 30 (56) - 130 (116) | 82%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.35              |      |    | 30 (50) - 130 (126) | 87%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.48              |      |    | 30 (54) - 130 (175) | 120%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6820              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 19700             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 9390              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 14400             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 11300             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 11300             |      |    |                     |            |          |                |              |

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

## Report of Analysis

|                                                    |                          |  |
|----------------------------------------------------|--------------------------|--|
| Client: JACOBS Engineering Group, Inc.             | Date Collected: 12/03/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/03/25  |  |
| Client Sample ID: BR-03D-490-120325                | SDG No.: Q3757           |  |
| Lab Sample ID: Q3757-03                            | Matrix: Water            |  |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid: 0               |  |
| Sample Wt/Vol: 910 mL    Final Vol: 1000 uL        | Test: SVOC-SIMGroup1     |  |
| Prep Method : 3510C    Prep Date: 12/05/25         |                          |  |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 20.8              | E    | 1  | 0.070               | 0.22       | ug/L     | 12/11/25 12:25 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.31              |      |    | 30 (47) - 150 (106) | 77%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.37              |      |    | 30 (54) - 150 (157) | 92%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.34              |      |    | 30 (56) - 130 (116) | 86%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.33              |      |    | 30 (50) - 130 (126) | 82%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.43              |      |    | 30 (54) - 130 (175) | 107%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7420              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 20100             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 10700             |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 20000             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 14300             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 14600             |      |    |                     |            |          |                |              |

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

## Report of Analysis

|                                                    |                          |  |
|----------------------------------------------------|--------------------------|--|
| Client: JACOBS Engineering Group, Inc.             | Date Collected: 12/03/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/03/25  |  |
| Client Sample ID: BR-03D-490-120325DL              | SDG No.: Q3757           |  |
| Lab Sample ID: Q3757-03DL                          | Matrix: Water            |  |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid: 0               |  |
| Sample Wt/Vol: 910 mL    Final Vol: 1000 uL        | Test: SVOC-SIMGroup1     |  |
| Prep Method : 3510C    Prep Date: 12/05/25         |                          |  |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 24.1              | D    | 10 | 0.73                | 2.20       | ug/L     | 12/12/25 01:49 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.34              |      |    | 30 (47) - 150 (106) | 85%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.42              |      |    | 30 (54) - 150 (157) | 105%       | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.35              |      |    | 30 (56) - 130 (116) | 88%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.41              |      |    | 30 (50) - 130 (126) | 102%       | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.72              | *    |    | 30 (54) - 130 (175) | 180%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4720              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 12800             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 6800              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 13100             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 10100             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 10200             |      |    |                     |            |          |                |              |

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



## Report of Analysis

|                                                    |                          |  |
|----------------------------------------------------|--------------------------|--|
| Client: JACOBS Engineering Group, Inc.             | Date Collected: 12/03/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/03/25  |  |
| Client Sample ID: MW-14B-46-120325                 | SDG No.: Q3757           |  |
| Lab Sample ID: Q3757-05                            | Matrix: Water            |  |
| Analytical Method: SW8270ESIM Level: LOW           | % Solid: 0               |  |
| Sample Wt/Vol: 920 mL Final Vol: 1000 uL           | Test: SVOC-SIMGroup1     |  |
| Prep Method : 3510C Prep Date: 12/05/25            |                          |  |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.22       | ug/L     | 12/11/25 13:01 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.33              |      |    | 30 (47) - 150 (106) | 83%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.42              |      |    | 30 (54) - 150 (157) | 106%       | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36              |      |    | 30 (56) - 130 (116) | 90%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.34              |      |    | 30 (50) - 130 (126) | 84%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.44              |      |    | 30 (54) - 130 (175) | 109%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5540              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 15300             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 7970              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 14800             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 12300             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 11100             |      |    |                     |            |          |                |              |

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

## Report of Analysis

|                                                    |                          |  |
|----------------------------------------------------|--------------------------|--|
| Client: JACOBS Engineering Group, Inc.             | Date Collected: 12/03/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/03/25  |  |
| Client Sample ID: RMW-05B-90.5-120325              | SDG No.: Q3757           |  |
| Lab Sample ID: Q3757-07                            | Matrix: Water            |  |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid: 0               |  |
| Sample Wt/Vol: 970 mL    Final Vol: 1000 uL        | Test: SVOC-SIMGroup1     |  |
| Prep Method : 3510C    Prep Date: 12/05/25         |                          |  |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.21       | ug/L     | 12/11/25 13:38 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.32              |      |    | 30 (47) - 150 (106) | 79%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.43              |      |    | 30 (54) - 150 (157) | 106%       | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36              |      |    | 30 (56) - 130 (116) | 90%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.34              |      |    | 30 (50) - 130 (126) | 84%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.46              |      |    | 30 (54) - 130 (175) | 114%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5200              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 14300             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 7400              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 13200             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 10500             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 10400             |      |    |                     |            |          |                |              |

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

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 12/03/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 12/03/25       |
| Client Sample ID:  | OW-05B-72-120325                          | SDG No.:        | Q3757          |
| Lab Sample ID:     | Q3757-09                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM Level: LOW                     | % Solid:        | 0              |
| Sample Wt/Vol:     | 950 mL Final Vol: 1000 uL                 | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C Prep Date: 12/05/25                 |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 1.10              |      | 1  | 0.070               | 0.21       | ug/L     | 12/11/25 14:14 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.29              |      |    | 30 (47) - 150 (106) | 72%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.39              |      |    | 30 (54) - 150 (157) | 97%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.34              |      |    | 30 (56) - 130 (116) | 86%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.30              |      |    | 30 (50) - 130 (126) | 76%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.44              |      |    | 30 (54) - 130 (175) | 109%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5450              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 14400             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 7360              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 13300             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 10400             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 10500             |      |    |                     |            |          |                |              |

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

## Report of Analysis

|                                                    |                          |  |
|----------------------------------------------------|--------------------------|--|
| Client: JACOBS Engineering Group, Inc.             | Date Collected: 12/03/25 |  |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received: 12/03/25  |  |
| Client Sample ID: EB01-120325                      | SDG No.: Q3757           |  |
| Lab Sample ID: Q3757-11                            | Matrix: Water            |  |
| Analytical Method: SW8270ESIM Level: LOW           | % Solid: 0               |  |
| Sample Wt/Vol: 870 mL Final Vol: 1000 uL           | Test: SVOC-SIMGroup1     |  |
| Prep Method : 3510C Prep Date: 12/05/25            |                          |  |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.080             | U    | 1  | 0.080               | 0.23       | ug/L     | 12/11/25 14:50 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.29              |      |    | 30 (47) - 150 (106) | 73%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.40              |      |    | 30 (54) - 150 (157) | 100%       | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36              |      |    | 30 (56) - 130 (116) | 90%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.29              |      |    | 30 (50) - 130 (126) | 73%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.50              |      |    | 30 (54) - 130 (175) | 125%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5460              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 14100             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 7230              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 13000             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 10000             |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 10200             |      |    |                     |            |          |                |              |

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



# QC SUMMARY

# Surrogate Summary

SW-846

SDG No.: Q3757

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID           | Parameter               | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|---------------------|-------------------------|-------------|--------------|--------------|------|------------|-----------|
|               |                     |                         |             |              |              |      | Low        | High      |
| PB170838BL    | PB170838BL          | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 78           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.40         | 99           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.36         | 91           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.38         | 95           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.35         | 87           |      | 30 (54)    | 130 (175) |
| PB170838BS    | PB170838BS          | 2-Methylnaphthalene-d10 | 0.4         | 0.40         | 100          |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.42         | 104          |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.42         | 106          |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.47         | 118          |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.36         | 91           |      | 30 (54)    | 130 (175) |
| PB170838BSD   | PB170838BSD         | 2-Methylnaphthalene-d10 | 0.4         | 0.34         | 84           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.39         | 97           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.37         | 91           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.40         | 101          |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.34         | 84           |      | 30 (54)    | 130 (175) |
| Q3757-01      | MW-14A-17.5-120325  | 2-Methylnaphthalene-d10 | 0.4         | 0.28         | 70           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.43         | 108          |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.33         | 82           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.35         | 87           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.48         | 120          |      | 30 (54)    | 130 (175) |
| Q3757-03      | BR-03D-490-120325   | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 77           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.37         | 92           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.34         | 86           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.33         | 82           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.43         | 107          |      | 30 (54)    | 130 (175) |
| Q3757-03DL    | BR-03D-490-120325DL | 2-Methylnaphthalene-d10 | 0.4         | 0.34         | 85           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.42         | 105          |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.35         | 88           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.41         | 102          |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.72         | 180          | *    | 30 (54)    | 130 (175) |
| Q3757-05      | MW-14B-46-120325    | 2-Methylnaphthalene-d10 | 0.4         | 0.33         | 83           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.42         | 106          |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.36         | 90           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.34         | 84           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.44         | 109          |      | 30 (54)    | 130 (175) |
| Q3757-07      | RMW-05B-90.5-120325 | 2-Methylnaphthalene-d10 | 0.4         | 0.32         | 79           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.43         | 106          |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.36         | 90           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.34         | 84           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.46         | 114          |      | 30 (54)    | 130 (175) |
| Q3757-09      | OW-05B-72-120325    | 2-Methylnaphthalene-d10 | 0.4         | 0.29         | 72           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.39         | 97           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.34         | 86           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.30         | 76           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.44         | 109          |      | 30 (54)    | 130 (175) |
| Q3757-11      | EB01-120325         | 2-Methylnaphthalene-d10 | 0.4         | 0.29         | 73           |      | 30 (47)    | 150 (106) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.40         | 100          |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.36         | 90           |      | 30 (56)    | 130 (116) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.29         | 73           |      | 30 (50)    | 130 (126) |
|               |                     | Terphenyl-d14           | 0.4         | 0.50         | 125          |      | 30 (54)    | 130 (175) |

() = LABORATORY INHOUSE LIMIT

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|                 |                                       |                           |                      |
|-----------------|---------------------------------------|---------------------------|----------------------|
| <b>SDG No.:</b> | <u>Q3757</u>                          | <b>Analytical Method:</b> | <u>8270-Modified</u> |
| <b>Client:</b>  | <u>JACOBS Engineering Group, Inc.</u> | <b>DataFile:</b>          | <u>BN038289.D</u>    |

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  |         | Limits    |  | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|---------|-----------|--|-----|
|               |             |       |        |      |     |     |      | Qual | Low     | High      |  |     |
| PB170838BS    | 1,4-Dioxane | 0.4   | 0.33   | ug/L | 83  |     |      |      | 20 (65) | 160 (116) |  |     |

() = LABORATORY INHOUSE LIMIT

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3757

Analytical Method: 8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN038290.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  |         | Limits    |  | RPD     |
|---------------|-------------|-------|--------|------|-----|-----|------|------|---------|-----------|--|---------|
|               |             |       |        |      |     |     |      | Qual | Low     | High      |  |         |
| PB170838BSD   | 1,4-Dioxane | 0.4   | 0.31   | ug/L | 78  | 6   |      |      | 20 (65) | 160 (116) |  | 20 (27) |

() = LABORATORY INHOUSE LIMIT



4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170838BL

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Lab Name: <u>Alliance</u>         | Contract: <u>JAC005</u>           |
| Lab Code: <u>ACE</u>              | SDG NO.: <u>Q3757</u>             |
| Lab File ID: <u>BN038288.D</u>    | Lab Sample ID: <u>PB170838BL</u>  |
| Instrument ID: <u>BNA_N</u>       | Date Extracted: <u>12/05/2025</u> |
| Matrix: (soil/water) <u>Water</u> | Date Analyzed: <u>12/06/2025</u>  |
| Level: (low/med) <u>LOW</u>       | Time Analyzed: <u>00:19</u>       |

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 |
|---------------------|------------------|----------------|------------------|
| PB170838BS          | PB170838BS       | BN038289.D     | 12/06/2025       |
| PB170838BSD         | PB170838BSD      | BN038290.D     | 12/06/2025       |
| MW-14A-17.5-120325  | Q3757-01         | BN038296.D     | 12/06/2025       |
| BR-03D-490-120325   | Q3757-03         | BN038313.D     | 12/11/2025       |
| MW-14B-46-120325    | Q3757-05         | BN038314.D     | 12/11/2025       |
| RMW-05B-90.5-120325 | Q3757-07         | BN038315.D     | 12/11/2025       |
| OW-05B-72-120325    | Q3757-09         | BN038316.D     | 12/11/2025       |
| EB01-120325         | Q3757-11         | BN038317.D     | 12/11/2025       |

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038211.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3757  
DFTPP Injection Date: 11/26/2025  
DFTPP Injection Time: 19:55

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 35.7                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.6                  |
| 365 | Greater than 1% of mass 198        | 3.6                  |
| 441 | Present, but less than mass 443    | 14.5                 |
| 442 | Greater than 50% of mass 198       | 90.9                 |
| 443 | 15.0 - 24.0% of mass 442           | 18.4 ( 20.3 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC0.1        | SSTDICC0.1       | BN038212.D     | 11/26/2025       | 20:35            |
| SSTDICC0.2        | SSTDICC0.2       | BN038213.D     | 11/26/2025       | 21:12            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN038214.D     | 11/26/2025       | 21:48            |
| SSTDICC0.8        | SSTDICC0.8       | BN038215.D     | 11/26/2025       | 22:25            |
| SSTDICC1.6        | SSTDICC1.6       | BN038216.D     | 11/26/2025       | 23:01            |
| SSTDICC3.2        | SSTDICC3.2       | BN038217.D     | 11/26/2025       | 23:37            |
| SSTDICC5.0        | SSTDICC5.0       | BN038218.D     | 11/27/2025       | 00:13            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038286.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3757  
DFTPP Injection Date: 12/05/2025  
DFTPP Injection Time: 22:23

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.8 ( 2 ) 1          |
| 69  | Mass 69 relative abundance         | 41.1                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 365 | Greater than 1% of mass 198        | 3.2                  |
| 441 | Present, but less than mass 443    | 13.2                 |
| 442 | Greater than 50% of mass 198       | 86.9                 |
| 443 | 15.0 - 24.0% of mass 442           | 15.2 ( 17.5 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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 |
|--------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4         | SSTDCCC0.4       | BN038287.D     | 12/05/2025       | 23:42            |
| PB170838BL         | PB170838BL       | BN038288.D     | 12/06/2025       | 00:19            |
| PB170838BS         | PB170838BS       | BN038289.D     | 12/06/2025       | 00:55            |
| PB170838BSD        | PB170838BSD      | BN038290.D     | 12/06/2025       | 01:32            |
| MW-14A-17.5-120325 | Q3757-01         | BN038296.D     | 12/06/2025       | 05:11            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038297.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3757  
DFTPP Injection Date: 12/10/2025  
DFTPP Injection Time: 09:12

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.7 ) 1        |
| 69  | Mass 69 relative abundance         | 37.2                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.6                  |
| 365 | Greater than 1% of mass 198        | 3.6                  |
| 441 | Present, but less than mass 443    | 14.8                 |
| 442 | Greater than 50% of mass 198       | 92.6                 |
| 443 | 15.0 - 24.0% of mass 442           | 16.9 ( 18.2 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC0.1        | SSTDICC0.1       | BN038298.D     | 12/10/2025       | 09:52            |
| SSTDICC0.2        | SSTDICC0.2       | BN038299.D     | 12/10/2025       | 10:28            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN038300.D     | 12/10/2025       | 11:05            |
| SSTDICC0.8        | SSTDICC0.8       | BN038301.D     | 12/10/2025       | 11:41            |
| SSTDICC1.6        | SSTDICC1.6       | BN038302.D     | 12/10/2025       | 12:17            |
| SSTDICC3.2        | SSTDICC3.2       | BN038303.D     | 12/10/2025       | 12:53            |
| SSTDICC5.0        | SSTDICC5.0       | BN038304.D     | 12/10/2025       | 13:30            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038310.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3757  
DFTPP Injection Date: 12/11/2025  
DFTPP Injection Time: 10:33

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.5 ( 1.2 ) 1        |
| 69  | Mass 69 relative abundance         | 36.8                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.6                  |
| 365 | Greater than 1% of mass 198        | 3.2                  |
| 441 | Present, but less than mass 443    | 13                   |
| 442 | Greater than 50% of mass 198       | 87.3                 |
| 443 | 15.0 - 24.0% of mass 442           | 16.6 ( 19 ) 2        |

1-Value is % mass 69

2-Value is % mass 442

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 |
|---------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4          | SSTDCCC0.4       | BN038311.D     | 12/11/2025       | 11:13            |
| BR-03D-490-120325   | Q3757-03         | BN038313.D     | 12/11/2025       | 12:25            |
| MW-14B-46-120325    | Q3757-05         | BN038314.D     | 12/11/2025       | 13:01            |
| RMW-05B-90.5-120325 | Q3757-07         | BN038315.D     | 12/11/2025       | 13:38            |
| OW-05B-72-120325    | Q3757-09         | BN038316.D     | 12/11/2025       | 14:14            |
| EB01-120325         | Q3757-11         | BN038317.D     | 12/11/2025       | 14:50            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038329.D  
Instrument ID: BNA\_N

Contract: JAC005  
SDG NO.: Q3757  
DFTPP Injection Date: 12/11/2025  
DFTPP Injection Time: 23:20

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 37.8                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.1                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.8                  |
| 365 | Greater than 1% of mass 198        | 3.7                  |
| 441 | Present, but less than mass 443    | 15.3                 |
| 442 | Greater than 50% of mass 198       | 95.1                 |
| 443 | 15.0 - 24.0% of mass 442           | 18.9 ( 19.9 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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 |
|---------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4          | SSTDCCC0.4       | BN038330.D     | 12/11/2025       | 23:59            |
| BR-03D-490-120325DL | Q3757-03DL       | BN038333.D     | 12/12/2025       | 01:49            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3757

Client ID : SSTDCCC0.4

Date Analyzed: 12/05/2025

Lab File ID: BN038287.D

Time Analyzed: 23:42

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                       | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #  |
|-----------------------|---------------------|-------|---------------------|--------|---------------------|-------|
| 12 HOUR STD           | 6906                | 7.761 | 20829               | 10.56  | 10600               | 14.42 |
| UPPER LIMIT           | 13812               | 8.261 | 41658               | 11.062 | 21200               | 14.92 |
| LOWER LIMIT           | 3453                | 7.261 | 10414.5             | 10.062 | 5300                | 13.92 |
| EPA SAMPLE NO.        |                     |       |                     |        |                     |       |
| 01 PB170838BL         | 7136                | 7.76  | 19157               | 10.56  | 8410                | 14.43 |
| 02 PB170838BS         | 7065                | 7.76  | 18764               | 10.56  | 7890                | 14.42 |
| 03 PB170838BSD        | 6710                | 7.76  | 17808               | 10.56  | 7711                | 14.42 |
| 04 MW-14A-17.5-120325 | 6821                | 7.76  | 19695               | 10.56  | 9392                | 14.42 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3757

Client ID: SSTDCCC0.4

Date Analyzed: 12/05/2025

Lab File ID: BN038287.D

Time Analyzed: 23:42

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                       | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|-----------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD           | 14873               | 17.173 | 9751                | 21.367 | 10410               | 23.668 |
| UPPER LIMIT           | 29746               | 17.673 | 19502               | 21.867 | 20820               | 24.168 |
| LOWER LIMIT           | 7436.5              | 16.673 | 4875.5              | 20.867 | 5205                | 23.168 |
| EPA SAMPLE NO.        |                     |        |                     |        |                     |        |
| 01 PB170838BL         | 11693               | 17.19  | 9196                | 21.38  | 9718                | 23.68  |
| 02 PB170838BS         | 11230               | 17.17  | 9380                | 21.37  | 9467                | 23.67  |
| 03 PB170838BSD        | 11030               | 17.17  | 9170                | 21.37  | 9318                | 23.67  |
| 04 MW-14A-17.5-120325 | 14431               | 17.17  | 11258               | 21.37  | 11337               | 23.67  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3757

Client ID : SSTDCCC0.4

Date Analyzed: 12/11/2025

Lab File ID: BN038311.D

Time Analyzed: 11:13

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                        | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|------------------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD            | 6458                | 7.724 | 17315               | 10.53 | 8838                | 14.40  |
| UPPER LIMIT            | 12916               | 8.224 | 34630               | 11.03 | 17676               | 14.898 |
| LOWER LIMIT            | 3229                | 7.224 | 8657.5              | 10.03 | 4419                | 13.898 |
| EPA SAMPLE NO.         |                     |       |                     |       |                     |        |
| 01 BR-03D-490-120325   | 7415                | 7.72  | 20111               | 10.53 | 10732               | 14.40  |
| 02 MW-14B-46-120325    | 5537                | 7.72  | 15261               | 10.53 | 7974                | 14.40  |
| 03 RMW-05B-90.5-120325 | 5204                | 7.72  | 14267               | 10.53 | 7400                | 14.40  |
| 04 OW-05B-72-120325    | 5450                | 7.72  | 14372               | 10.53 | 7355                | 14.40  |
| 05 EB01-120325         | 5459                | 7.72  | 14139               | 10.53 | 7229                | 14.40  |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3757

Client ID: SSTDCCC0.4

Date Analyzed: 12/11/2025

Lab File ID: BN038311.D

Time Analyzed: 11:13

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                        | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|------------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD            | 16176               | 17.148 | 12783               | 21.348 | 13576               | 23.639 |
| UPPER LIMIT            | 32352               | 17.648 | 25566               | 21.848 | 27152               | 24.139 |
| LOWER LIMIT            | 8088                | 16.648 | 6391.5              | 20.848 | 6788                | 23.139 |
| EPA SAMPLE NO.         |                     |        |                     |        |                     |        |
| 01 BR-03D-490-120325   | 19954               | 17.15  | 14276               | 21.35  | 14578               | 23.64  |
| 02 MW-14B-46-120325    | 14786               | 17.15  | 12326               | 21.35  | 11109               | 23.64  |
| 03 RMW-05B-90.5-120325 | 13201               | 17.15  | 10541               | 21.35  | 10399               | 23.64  |
| 04 OW-05B-72-120325    | 13319               | 17.15  | 10405               | 21.35  | 10487               | 23.64  |
| 05 EB01-120325         | 13027               | 17.15  | 10027               | 21.35  | 10159               | 23.64  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3757

Client ID : SSTDCCC0.4

Date Analyzed: 12/11/2025

Lab File ID: BN038330.D

Time Analyzed: 23:59

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                        | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD            | 5325                | 7.724 | 14404               | 10.52  | 7509                | 14.39  |
| UPPER LIMIT            | 10650               | 8.224 | 28808               | 11.019 | 15018               | 14.887 |
| LOWER LIMIT            | 2662.5              | 7.224 | 7202                | 10.019 | 3754.5              | 13.887 |
| EPA SAMPLE NO.         |                     |       |                     |        |                     |        |
| 01 BR-03D-490-120325DL | 4723                | 7.72  | 12829               | 10.53  | 6799                | 14.40  |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3757

Client ID: SSTDCCC0.4

Date Analyzed: 12/11/2025

Lab File ID: BN038330.D

Time Analyzed: 23:59

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                        | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #  |
|------------------------|---------------------|--------|---------------------|--------|---------------------|-------|
| 12 HOUR STD            | 13836               | 17.148 | 10979               | 21.339 | 11587               | 23.63 |
| UPPER LIMIT            | 27672               | 17.648 | 21958               | 21.839 | 23174               | 24.13 |
| LOWER LIMIT            | 6918                | 16.648 | 5489.5              | 20.839 | 5793.5              | 23.13 |
| EPA SAMPLE NO.         |                     |        |                     |        |                     |       |
| 01 BR-03D-490-120325DL | 13086               | 17.15  | 10141               | 21.34  | 10159               | 23.63 |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.



# QC SAMPLE DATA

## Report of Analysis

|                                                    |                 |                |
|----------------------------------------------------|-----------------|----------------|
| Client: JACOBS Engineering Group, Inc.             | Date Collected: |                |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID: PB170838BL                       | SDG No.:        | Q3757          |
| Lab Sample ID: PB170838BL                          | Matrix:         | Water          |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid:        | 0              |
| Sample Wt/Vol: 1000 mL    Final Vol: 1000 uL       | Test:           | SVOC-SIMGroup1 |
| Prep Method : 3510C    Prep Date: 12/05/25         |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.070             | U    | 1  | 0.070               | 0.20       | ug/L     | 12/06/25 00:19 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.31              |      |    | 30 (47) - 150 (106) | 78%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.40              |      |    | 30 (54) - 150 (157) | 99%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36              |      |    | 30 (56) - 130 (116) | 91%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.38              |      |    | 30 (50) - 130 (126) | 95%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.35              |      |    | 30 (54) - 130 (175) | 87%        | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7140              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 19200             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 8410              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 11700             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 9200              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 9720              |      |    |                     |            |          |                |              |

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

## Report of Analysis

|                                                    |                 |                |
|----------------------------------------------------|-----------------|----------------|
| Client: JACOBS Engineering Group, Inc.             | Date Collected: |                |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID: PB170838BS                       | SDG No.:        | Q3757          |
| Lab Sample ID: PB170838BS                          | Matrix:         | Water          |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid:        | 0              |
| Sample Wt/Vol: 1000 mL    Final Vol: 1000 uL       | Test:           | SVOC-SIMGroup1 |
| Prep Method : 3510C    Prep Date: 12/05/25         |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.33              |      | 1  | 0.070               | 0.20       | ug/L     | 12/06/25 00:55 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.40              |      |    | 30 (47) - 150 (106) | 100%       | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.42              |      |    | 30 (54) - 150 (157) | 104%       | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.42              |      |    | 30 (56) - 130 (116) | 106%       | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.47              |      |    | 30 (50) - 130 (126) | 118%       | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.36              |      |    | 30 (54) - 130 (175) | 91%        | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7070              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 18800             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 7890              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 11200             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 9380              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 9470              |      |    |                     |            |          |                |              |

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

## Report of Analysis

|                                                    |                 |                |
|----------------------------------------------------|-----------------|----------------|
| Client: JACOBS Engineering Group, Inc.             | Date Collected: |                |
| Project: Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID: PB170838BSD                      | SDG No.:        | Q3757          |
| Lab Sample ID: PB170838BSD                         | Matrix:         | Water          |
| Analytical Method: SW8270ESIM    Level: LOW        | % Solid:        | 0              |
| Sample Wt/Vol: 1000 mL    Final Vol: 1000 uL       | Test:           | SVOC-SIMGroup1 |
| Prep Method : 3510C    Prep Date: 12/05/25         |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL                 | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|---------------------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |                     |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.31              |      | 1  | 0.070               | 0.20       | ug/L     | 12/06/25 01:32 | PB170838     |
| <b>SURROGATES</b>         |                         |                   |      |    |                     |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.34              |      |    | 30 (47) - 150 (106) | 84%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.39              |      |    | 30 (54) - 150 (157) | 97%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.37              |      |    | 30 (56) - 130 (116) | 91%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.40              |      |    | 30 (50) - 130 (126) | 101%       | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.34              |      |    | 30 (54) - 130 (175) | 84%        | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |                     |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6710              |      |    |                     |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 17800             |      |    |                     |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 7710              |      |    |                     |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 11000             |      |    |                     |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 9170              |      |    |                     |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 9320              |      |    |                     |            |          |                |              |

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





# CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\  
 Method File : 8270-SIM-BN112725.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Fri Nov 28 21:04:10 2025  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN038212.D 0.2 =BN038213.D 0.4 =BN038214.D 0.8 =BN038215.D 1.6 =BN038216.D 3.2 =BN038217.D 5 =BN038218.D

|           | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5     | Avg   | %RSD |
|-----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|------|
| -----     |                       |                |       |       |       |       |       |       |       |      |
| 1) I      | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |      |
| 2)        | 1,4-Dioxane           | 0.484          | 0.448 | 0.396 | 0.423 | 0.399 | 0.378 | 0.421 | 9.29  |      |
| 3)        | n-Nitrosodimet...     | 0.488          | 0.543 | 0.513 | 0.536 | 0.528 | 0.510 | 0.520 | 3.87  |      |
| 4) S      | 2-Fluorophenol        | 1.008          | 0.930 | 0.992 | 0.881 | 0.925 | 0.915 | 0.892 | 0.935 | 5.14 |
| 5) S      | Phenol-d6             | 1.180          | 1.103 | 1.215 | 1.099 | 1.187 | 1.203 | 1.191 | 1.168 | 4.05 |
| 6)        | bis(2-Chloroet...     | 1.066          | 1.118 | 1.188 | 1.086 | 1.152 | 1.130 | 1.088 | 1.118 | 3.79 |
|           |                       |                |       |       |       |       |       |       |       |      |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |      |
| 8) S      | Nitrobenzene-d5       | 0.370          | 0.314 | 0.310 | 0.304 | 0.321 | 0.309 | 0.311 | 0.320 | 7.07 |
| 9)        | Naphthalene           | 1.152          | 1.102 | 1.153 | 1.075 | 1.118 | 1.093 | 1.082 | 1.111 | 2.87 |
| 10)       | Hexachlorobuta...     | 0.203          | 0.192 | 0.200 | 0.182 | 0.188 | 0.180 | 0.177 | 0.189 | 5.29 |
| 11) SURR2 | Methylnaphth...       | 0.535          | 0.548 | 0.588 | 0.558 | 0.584 | 0.584 | 0.579 | 0.568 | 3.70 |
| 12)       | 2-Methylnaphth...     | 0.696          | 0.697 | 0.760 | 0.718 | 0.754 | 0.750 | 0.741 | 0.731 | 3.68 |
|           |                       |                |       |       |       |       |       |       |       |      |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |      |
| 14) S     | 2,4,6-Tribromo...     | 0.106          | 0.100 | 0.123 | 0.122 | 0.139 | 0.165 | 0.126 | 18.76 |      |
| 15) S     | 2-Fluorobiphenyl      | 1.620          | 1.549 | 1.590 | 1.546 | 1.578 | 1.474 | 1.459 | 1.545 | 3.85 |
| 16)       | Acenaphthylene        | 1.756          | 1.685 | 1.801 | 1.702 | 1.830 | 1.866 | 1.880 | 1.789 | 4.31 |
| 17)       | Acenaphthene          | 1.244          | 1.208 | 1.292 | 1.198 | 1.263 | 1.262 | 1.261 | 1.247 | 2.66 |
| 18)       | Fluorene              | 1.544          | 1.442 | 1.650 | 1.571 | 1.680 | 1.708 | 1.703 | 1.614 | 6.13 |
|           |                       |                |       |       |       |       |       |       |       |      |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |      |
| 20)       | 4,6-Dinitro-2-...     | 0.021          | 0.026 | 0.031 | 0.044 | 0.059 | 0.071 | 0.042 | 46.82 |      |
| 21)       | 4-Bromophenyl-...     | 0.268          | 0.268 | 0.285 | 0.268 | 0.287 | 0.284 | 0.280 | 0.277 | 3.19 |
| 22)       | Hexachlorobenzene     | 0.377          | 0.366 | 0.358 | 0.320 | 0.337 | 0.319 | 0.307 | 0.341 | 7.87 |
| 23)       | Atrazine              | 0.165          | 0.157 | 0.175 | 0.164 | 0.181 | 0.198 | 0.200 | 0.177 | 9.46 |
| 24)       | Pentachlorophenol     | 0.090          | 0.084 | 0.080 | 0.096 | 0.117 | 0.093 | 15.54 |       |      |
| 25)       | Phenanthrene          | 1.247          | 1.207 | 1.311 | 1.202 | 1.270 | 1.293 | 1.259 | 1.256 | 3.24 |
| 26)       | Anthracene            | 0.996          | 0.998 | 1.068 | 1.016 | 1.100 | 1.156 | 1.166 | 1.071 | 6.73 |
| 27) SURR  | Fluoranthene-d10      | 0.853          | 0.845 | 0.890 | 0.817 | 0.864 | 0.906 | 0.900 | 0.868 | 3.76 |
| 28)       | Fluoranthene          | 1.174          | 1.147 | 1.227 | 1.146 | 1.230 | 1.281 | 1.266 | 1.210 | 4.55 |
|           |                       |                |       |       |       |       |       |       |       |      |
| 29) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |      |
| 30)       | Pyrene                | 2.066          | 1.804 | 2.087 | 1.972 | 1.973 | 2.077 | 2.006 | 1.998 | 4.91 |
| 31) S     | Terphenyl-d14         | 0.903          | 0.847 | 0.962 | 0.906 | 0.927 | 0.972 | 0.949 | 0.924 | 4.65 |
| 32)       | Benzo(a)anthra...     | 1.321          | 1.271 | 1.368 | 1.320 | 1.373 | 1.421 | 1.409 | 1.355 | 3.94 |
| 33)       | Chrysene              | 1.742          | 1.639 | 1.661 | 1.517 | 1.597 | 1.541 | 1.494 | 1.599 | 5.53 |
| 34)       | Bis(2-ethylhex...     | 0.780          | 0.801 | 0.700 | 0.682 | 0.740 | 0.746 | 0.742 | 6.12  |      |
|           |                       |                |       |       |       |       |       |       |       |      |
| 35) I     | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |      |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\

Method File : 8270-SIM-BN112725.M

|       |                   |       |       |       |       |       |       |       |       |      |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 36)   | Indeno(1,2,3-c... | 1.747 | 1.715 | 1.875 | 1.736 | 1.962 | 1.963 | 1.960 | 1.851 | 6.24 |
| 37)   | Benzo(b)fluora... | 1.563 | 1.555 | 1.703 | 1.586 | 1.675 | 1.721 | 1.690 | 1.642 | 4.32 |
| 38)   | Benzo(k)fluora... | 1.627 | 1.639 | 1.758 | 1.658 | 1.749 | 1.776 | 1.742 | 1.707 | 3.69 |
| 39) C | Benzo(a)pyrene    | 1.414 | 1.284 | 1.386 | 1.316 | 1.403 | 1.414 | 1.417 | 1.376 | 3.93 |
| 40)   | Dibenzo(a,h)an... | 1.264 | 1.234 | 1.379 | 1.349 | 1.512 | 1.541 | 1.531 | 1.401 | 9.14 |
| 41)   | Benzo(g,h,i)pe... | 1.722 | 1.586 | 1.721 | 1.617 | 1.720 | 1.687 | 1.670 | 1.674 | 3.25 |

-----  
(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\  
 Method File : 8270-SIM-BN121025.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Wed Dec 10 13:56:50 2025  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN038298.D 0.2 =BN038299.D 0.4 =BN038300.D 0.8 =BN038301.D 1.6 =BN038302.D 3.2 =BN038303.D 5 =BN038304.D

|           | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5     | Avg   | %RSD  |
|-----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----     |                       |                |       |       |       |       |       |       |       |       |
| 1) I      | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |
| 2)        | 1,4-Dioxane           | 0.506          | 0.465 | 0.443 | 0.442 | 0.456 | 0.440 | 0.459 |       | 5.48  |
| 3)        | n-Nitrosodimet...     | 0.568          | 0.572 | 0.568 | 0.577 | 0.590 | 0.574 | 0.575 |       | 1.42  |
| 4) S      | 2-Fluorophenol        | 0.954          | 1.034 | 0.988 | 0.981 | 0.978 | 1.020 | 1.019 | 0.996 | 2.88  |
| 5) S      | Phenol-d6             | 1.098          | 1.157 | 1.151 | 1.158 | 1.186 | 1.263 | 1.277 | 1.184 | 5.44  |
| 6)        | bis(2-Chloroet...     | 1.156          | 1.171 | 1.166 | 1.149 | 1.144 | 1.176 | 1.147 | 1.158 | 1.10  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S      | Nitrobenzene-d5       | 0.325          | 0.324 | 0.329 | 0.332 | 0.334 | 0.358 | 0.359 | 0.337 | 4.38  |
| 9)        | Naphthalene           | 1.174          | 1.185 | 1.168 | 1.155 | 1.159 | 1.231 | 1.205 | 1.182 | 2.30  |
| 10)       | Hexachlorobuta...     | 0.218          | 0.213 | 0.210 | 0.207 | 0.205 | 0.212 | 0.206 | 0.210 | 2.24  |
| 11) SURR2 | Methylnaphth...       | 0.543          | 0.548 | 0.549 | 0.554 | 0.559 | 0.598 | 0.599 | 0.564 | 4.23  |
| 12)       | 2-Methylnaphth...     | 0.722          | 0.735 | 0.731 | 0.737 | 0.747 | 0.794 | 0.789 | 0.751 | 3.85  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S     | 2,4,6-Tribromo...     | 0.167          | 0.163 | 0.167 | 0.169 | 0.175 | 0.197 | 0.205 | 0.177 | 9.30  |
| 15) S     | 2-Fluorobiphenyl      | 1.940          | 1.951 | 1.974 | 1.838 | 1.897 | 2.070 | 1.819 | 1.927 | 4.45  |
| 16)       | Acenaphthylene        | 1.890          | 1.885 | 1.903 | 1.918 | 1.931 | 2.131 | 2.092 | 1.964 | 5.21  |
| 17)       | Acenaphthene          | 1.311          | 1.329 | 1.342 | 1.351 | 1.358 | 1.460 | 1.430 | 1.369 | 4.01  |
| 18)       | Fluorene              | 1.790          | 1.706 | 1.707 | 1.735 | 1.727 | 1.858 | 1.802 | 1.761 | 3.24  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)       | 4,6-Dinitro-2-...     | 0.054          | 0.057 | 0.064 | 0.069 | 0.085 |       | 0.066 |       | 18.62 |
| 21)       | 4-Bromophenyl-...     | 0.288          | 0.291 | 0.287 | 0.291 | 0.293 | 0.310 | 0.318 | 0.297 | 4.12  |
| 22)       | Hexachlorobenzene     | 0.370          | 0.366 | 0.350 | 0.350 | 0.347 | 0.358 | 0.357 | 0.357 | 2.40  |
| 23)       | Atrazine              | 0.184          | 0.196 | 0.190 | 0.197 | 0.200 | 0.221 | 0.229 | 0.202 | 8.11  |
| 24)       | Pentachlorophenol     | 0.124          | 0.121 | 0.121 | 0.126 | 0.134 | 0.156 | 0.174 | 0.139 | 15.30 |
| 25)       | Phenanthrene          | 1.412          | 1.373 | 1.363 | 1.350 | 1.353 | 1.439 | 1.456 | 1.392 | 3.12  |
| 26)       | Anthracene            | 1.149          | 1.119 | 1.141 | 1.184 | 1.186 | 1.300 | 1.323 | 1.200 | 6.67  |
| 27) SURR  | Fluoranthene-d10      | 0.928          | 0.947 | 0.984 | 0.983 | 0.984 | 1.045 | 1.053 | 0.989 | 4.66  |
| 28)       | Fluoranthene          | 1.419          | 1.413 | 1.459 | 1.466 | 1.473 | 1.562 | 1.566 | 1.480 | 4.17  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 29) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 30)       | Pyrene                | 2.038          | 1.968 | 1.920 | 1.909 | 1.890 | 2.022 | 2.037 | 1.969 | 3.25  |
| 31) S     | Terphenyl-d14         | 0.913          | 0.917 | 0.881 | 0.879 | 0.863 | 0.893 | 0.903 | 0.893 | 2.20  |
| 32)       | Benzo(a)anthra...     | 1.476          | 1.537 | 1.479 | 1.501 | 1.513 | 1.638 | 1.672 | 1.545 | 5.08  |
| 33)       | Chrysene              | 1.653          | 1.712 | 1.721 | 1.709 | 1.674 | 1.745 | 1.697 | 1.701 | 1.79  |
| 34)       | Bis(2-ethylhex...     | 1.002          | 0.845 | 0.779 | 0.754 | 0.828 | 0.879 | 0.848 |       | 10.38 |
|           |                       |                |       |       |       |       |       |       |       |       |
| 35) I     | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\

Method File : 8270-SIM-BN121025.M

|       |                   |       |       |       |       |       |       |       |       |      |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 36)   | Indeno(1,2,3-c... | 1.813 | 2.040 | 2.122 | 2.116 | 2.115 | 2.321 | 2.330 | 2.123 | 8.27 |
| 37)   | Benzo(b)fluora... | 1.673 | 1.831 | 1.783 | 1.776 | 1.827 | 1.987 | 1.984 | 1.837 | 6.18 |
| 38)   | Benzo(k)fluora... | 1.597 | 1.793 | 1.796 | 1.812 | 1.823 | 2.006 | 1.994 | 1.832 | 7.57 |
| 39) C | Benzo(a)pyrene    | 1.355 | 1.459 | 1.469 | 1.459 | 1.479 | 1.640 | 1.663 | 1.503 | 7.27 |
| 40)   | Dibenzo(a,h)an... | 1.396 | 1.521 | 1.619 | 1.624 | 1.651 | 1.823 | 1.822 | 1.637 | 9.37 |
| 41)   | Benzo(g,h,i)pe... | 1.622 | 1.816 | 1.812 | 1.806 | 1.818 | 1.966 | 1.964 | 1.829 | 6.34 |

-----  
(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005  
 Lab Code: ACE SDG No.: Q3757  
 Instrument ID: BNA\_N Calibration Date/Time: 12/05/2025 23:42  
 Lab File ID: BN038287.D Init. Calib. Date(s): 11/26/2025 11/27/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 20:35 00:13  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D   | MAX%D |
|-------------------------|-------|--------|------------|------|-------|
| 2-Methylnaphthalene-d10 | 0.568 | 0.582  |            | 2.5  | 20.0  |
| Fluoranthene-d10        | 0.868 | 0.874  |            | 0.7  | 20.0  |
| 2-Fluorophenol          | 0.935 | 0.980  |            | 4.8  | 20.0  |
| Phenol-d6               | 1.168 | 1.224  |            | 4.8  | 20.0  |
| Nitrobenzene-d5         | 0.320 | 0.314  |            | -1.9 | 20.0  |
| 2-Fluorobiphenyl        | 1.545 | 1.760  |            | 13.9 | 20.0  |
| 2,4,6-Tribromophenol    | 0.126 | 0.118  |            | -6.3 | 20.0  |
| Terphenyl-d14           | 0.924 | 0.838  |            | -9.3 | 20.0  |
| 1,4-Dioxane             | 0.421 | 0.446  |            | 5.9  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005  
 Lab Code: ACE SDG No.: Q3757  
 Instrument ID: BNA\_N Calibration Date/Time: 12/11/2025 11:13  
 Lab File ID: BN038311.D Init. Calib. Date(s): 12/10/2025 12/10/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:52 13:30  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D   | MAX%D |
|-------------------------|-------|--------|------------|------|-------|
| 2-Methylnaphthalene-d10 | 0.564 | 0.555  |            | -1.6 | 20.0  |
| Fluoranthene-d10        | 0.990 | 0.982  |            | -0.8 | 20.0  |
| 2-Fluorophenol          | 0.996 | 0.953  |            | -4.3 | 20.0  |
| Phenol-d6               | 1.184 | 1.124  |            | -5.1 | 20.0  |
| Nitrobenzene-d5         | 0.337 | 0.321  |            | -4.7 | 20.0  |
| 2-Fluorobiphenyl        | 1.914 | 1.827  |            | -4.5 | 20.0  |
| 2,4,6-Tribromophenol    | 0.177 | 0.162  |            | -8.5 | 20.0  |
| Terphenyl-d14           | 0.893 | 0.857  |            | -4.0 | 20.0  |
| 1,4-Dioxane             | 0.459 | 0.465  |            | 1.3  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005  
 Lab Code: ACE SDG No.: Q3757  
 Instrument ID: BNA\_N Calibration Date/Time: 12/11/2025 23:59  
 Lab File ID: BN038330.D Init. Calib. Date(s): 12/10/2025 12/10/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:52 13:30  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.564 | 0.557  |            | -1.2  | 20.0  |
| Fluoranthene-d10        | 0.990 | 0.988  |            | -0.2  | 20.0  |
| 2-Fluorophenol          | 0.996 | 0.984  |            | -1.2  | 20.0  |
| Phenol-d6               | 1.184 | 1.177  |            | -0.6  | 20.0  |
| Nitrobenzene-d5         | 0.337 | 0.326  |            | -3.3  | 20.0  |
| 2-Fluorobiphenyl        | 1.914 | 1.919  |            | 0.3   | 20.0  |
| 2,4,6-Tribromophenol    | 0.177 | 0.159  |            | -10.2 | 20.0  |
| Terphenyl-d14           | 0.893 | 0.848  |            | -5.0  | 20.0  |
| 1,4-Dioxane             | 0.459 | 0.479  |            | 4.4   | 20.0  |

All other compounds must meet a minimum RRF of 0.010.





# SAMPLE RAW DATA

7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038296.D  
Acq On : 06 Dec 2025 05:11  
Operator : RC/JU  
Sample : Q3757-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-14A-17.5-120325

Quant Time: Dec 06 05:35:44 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration

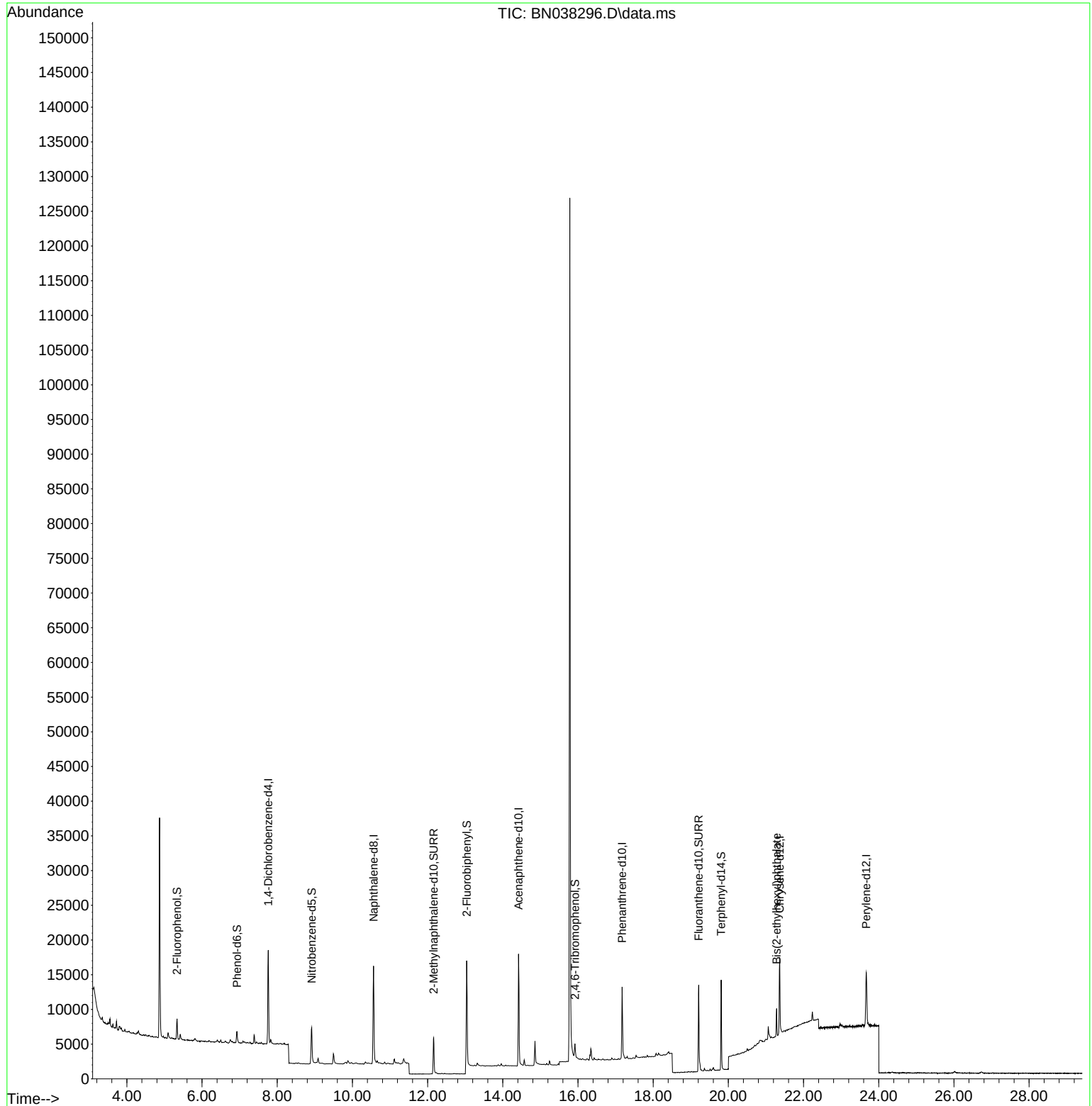
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)    |
|-------------------------------|--------|------|----------|-------|-------|-------------|
| Internal Standards            |        |      |          |       |       |             |
| 1) 1,4-Dichlorobenzene-d4     | 7.760  | 152  | 6821     | 0.400 | ng    | 0.00        |
| 7) Naphthalene-d8             | 10.562 | 136  | 19695    | 0.400 | ng    | -0.01       |
| 13) Acenaphthene-d10          | 14.420 | 164  | 9392     | 0.400 | ng    | -0.01       |
| 19) Phenanthrene-d10          | 17.173 | 188  | 14431    | 0.400 | ng    | #-0.01      |
| 29) Chrysene-d12              | 21.366 | 240  | 11258    | 0.400 | ng    | # 0.00      |
| 35) Perylene-d12              | 23.668 | 264  | 11337    | 0.400 | ng    | -0.01       |
| System Monitoring Compounds   |        |      |          |       |       |             |
| 4) 2-Fluorophenol             | 5.334  | 112  | 2427     | 0.152 | ng    | 0.00        |
| 5) Phenol-d6                  | 6.930  | 99   | 1785     | 0.090 | ng    | 0.00        |
| 8) Nitrobenzene-d5            | 8.918  | 82   | 5144     | 0.327 | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10   | 12.162 | 152  | 7882     | 0.282 | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol      | 15.920 | 330  | 1271     | 0.430 | ng    | -0.01       |
| 15) 2-Fluorobiphenyl          | 13.040 | 172  | 12595    | 0.347 | ng    | -0.01       |
| 27) Fluoranthene-d10          | 19.211 | 212  | 13520    | 0.432 | ng    | 0.00        |
| 31) Terphenyl-d14             | 19.810 | 244  | 12488    | 0.480 | ng    | 0.00        |
| Target Compounds              |        |      |          |       |       |             |
| 34) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 3880     | 0.186 | ng    | Qvalue # 99 |

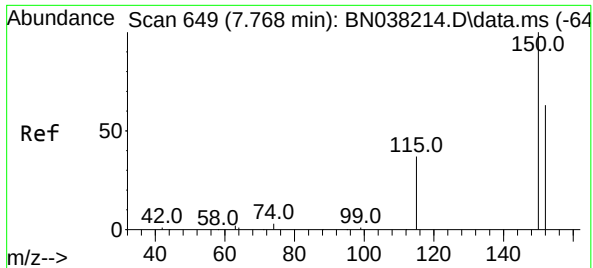
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038296.D  
Acq On : 06 Dec 2025 05:11  
Operator : RC/JU  
Sample : Q3757-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-14A-17.5-120325

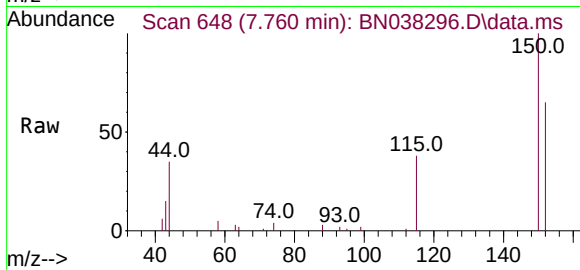
Quant Time: Dec 06 05:35:44 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration



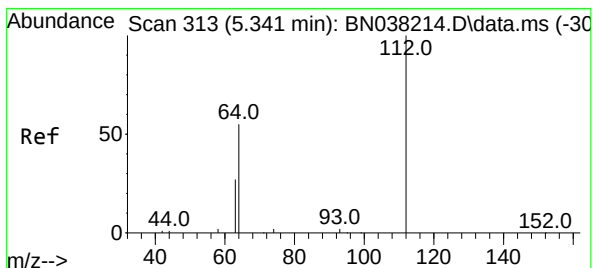
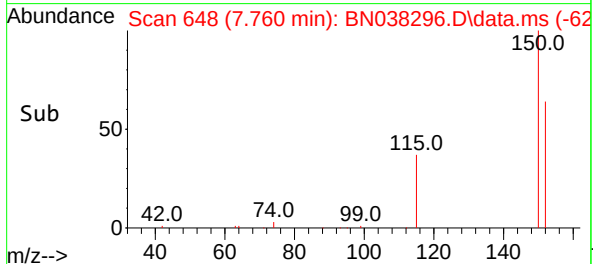
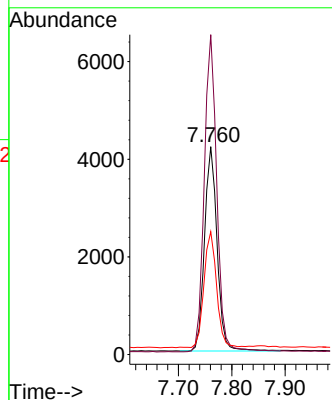


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.760 min Scan# 64  
Delta R.T. -0.008 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

Instrument :  
BNA\_N  
ClientSampleId :  
MW-14A-17.5-120325

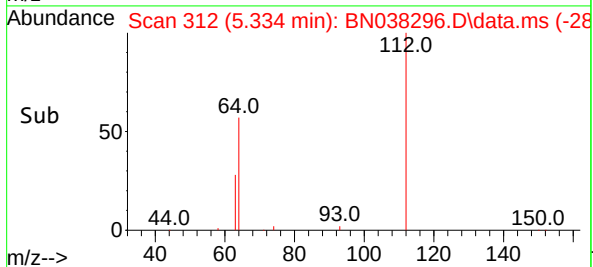
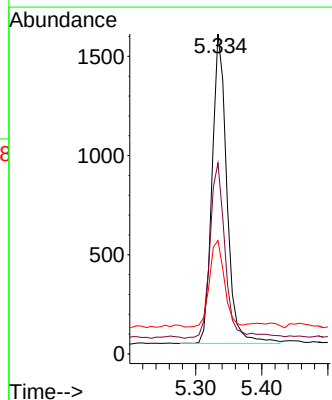
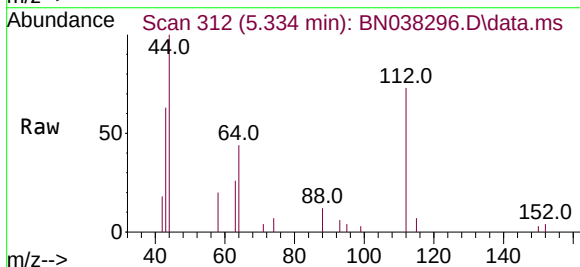


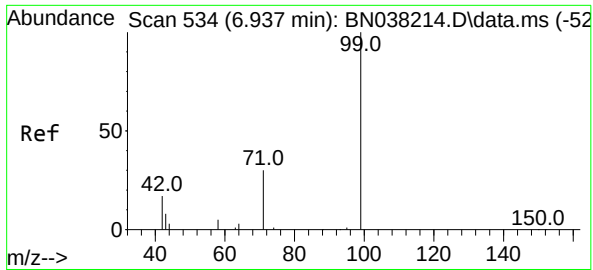
Tgt Ion:152 Resp: 6821  
Ion Ratio Lower Upper  
152 100  
150 153.9 125.3 187.9  
115 59.1 49.0 73.4



#4  
2-Fluorophenol  
Concen: 0.152 ng  
RT: 5.334 min Scan# 312  
Delta R.T. -0.007 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

Tgt Ion:112 Resp: 2427  
Ion Ratio Lower Upper  
112 100  
64 59.0 45.0 67.4  
63 28.2 23.2 34.8

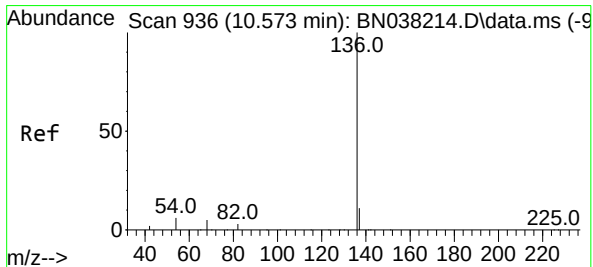
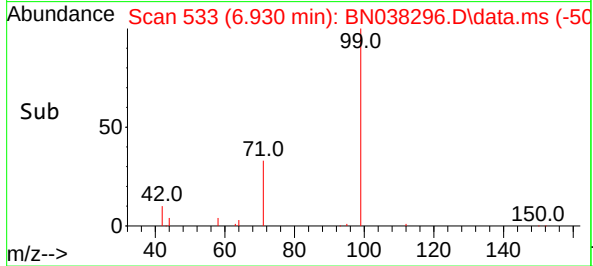
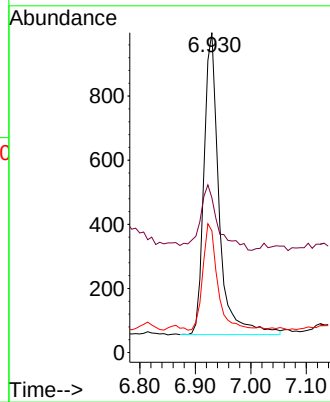
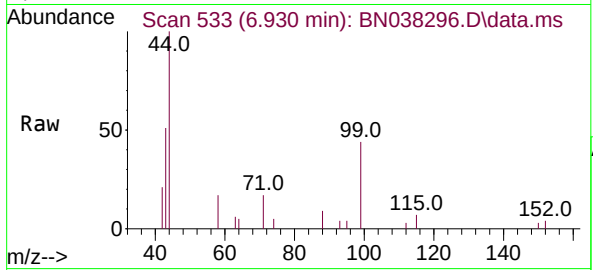




#5  
Phenol-d6  
Concen: 0.090 ng  
RT: 6.930 min Scan# 531  
Delta R.T. -0.007 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

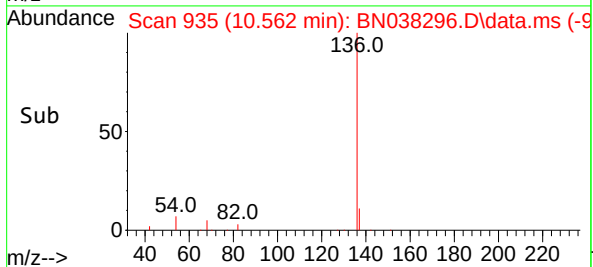
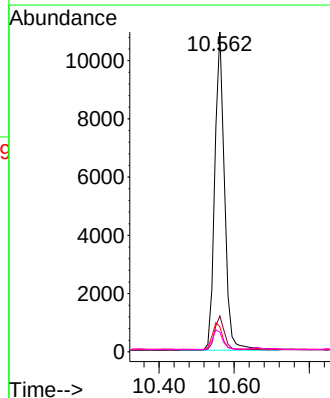
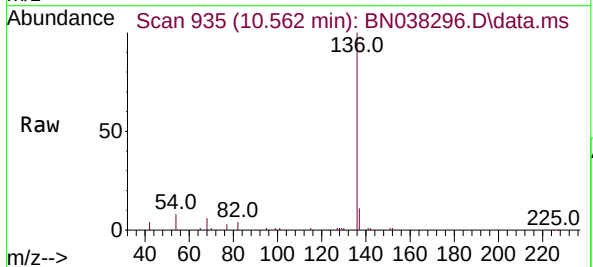
Instrument :  
BNA\_N  
ClientSampleId :  
MW-14A-17.5-120325

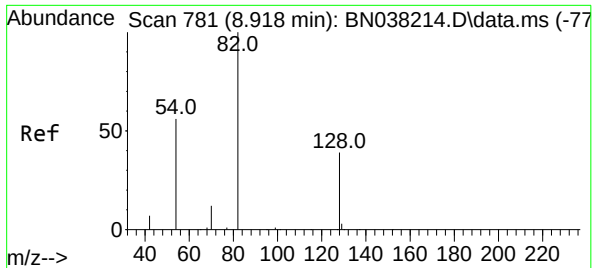
Tgt Ion: 99 Resp: 1785  
Ion Ratio Lower Upper  
99 100  
42 26.1 17.0 25.6#  
71 35.0 25.4 38.2



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.562 min Scan# 935  
Delta R.T. -0.011 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

Tgt Ion: 136 Resp: 19695  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.9 13.3  
54 7.9 5.4 8.0  
68 6.1 4.1 6.1

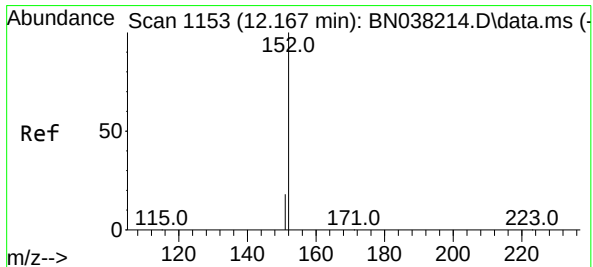
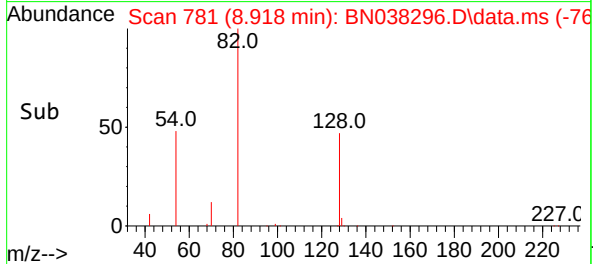
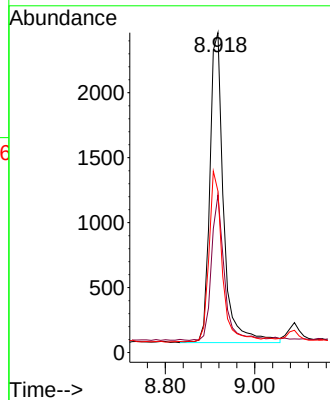
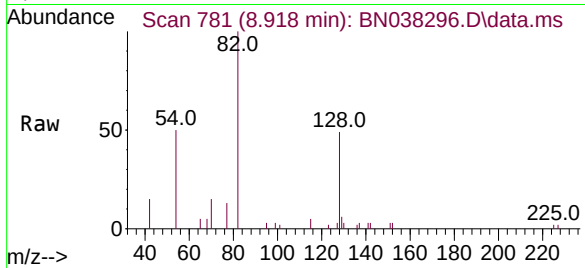




#8  
Nitrobenzene-d5  
Concen: 0.327 ng  
RT: 8.918 min Scan# 781  
Delta R.T. 0.000 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

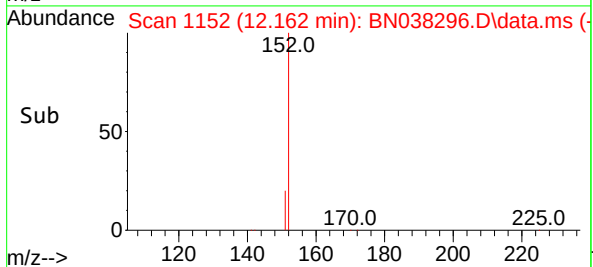
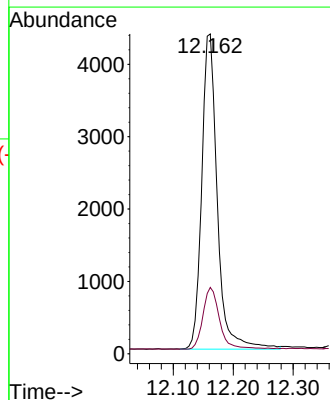
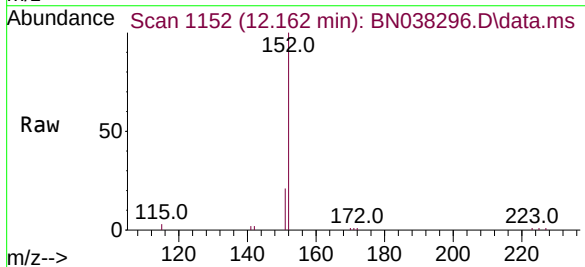
Instrument :  
BNA\_N  
ClientSampleId :  
MW-14A-17.5-120325

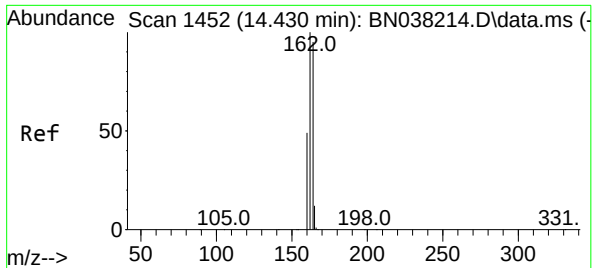
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 49.2  | 32.6  | 48.8  |
| 54      | 50.4  | 45.4  | 68.0  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.282 ng  
RT: 12.162 min Scan# 1152  
Delta R.T. -0.005 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.0  | 16.7  | 25.1  |

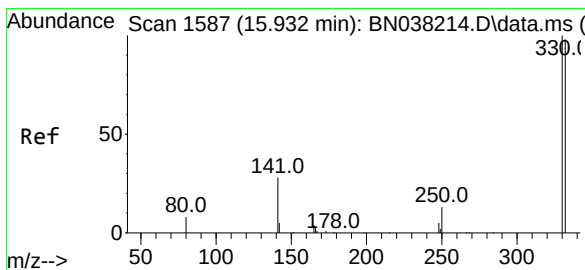
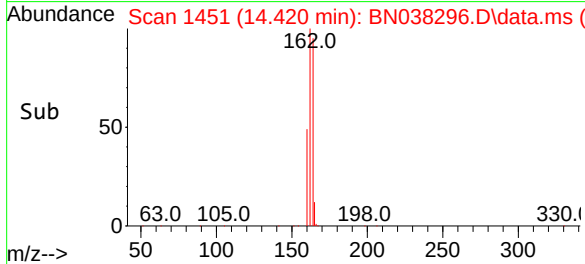
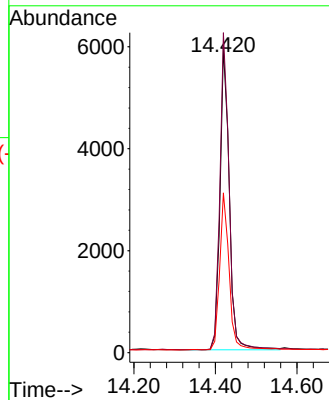
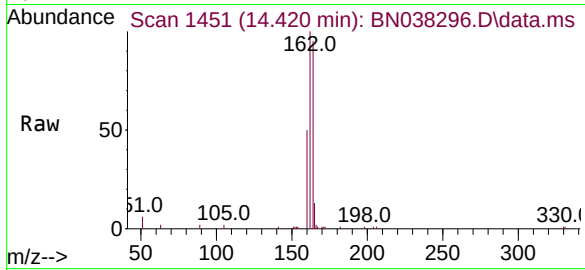




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.420 min Scan# 1452  
Delta R.T. -0.011 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

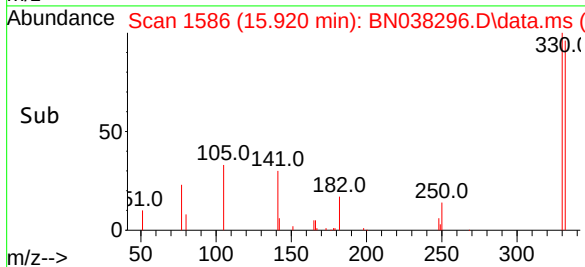
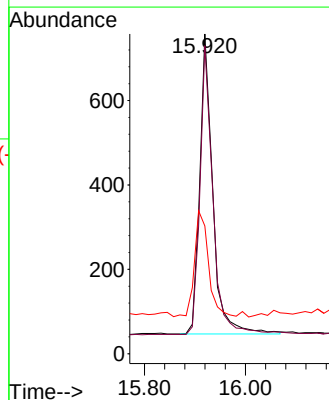
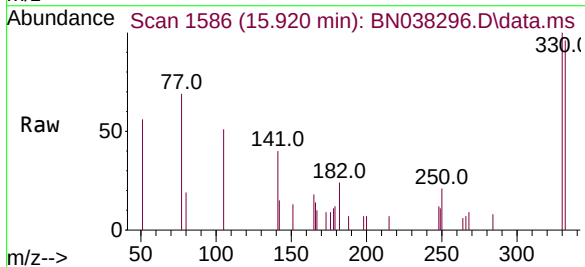
Instrument :  
BNA\_N  
ClientSampleId :  
MW-14A-17.5-120325

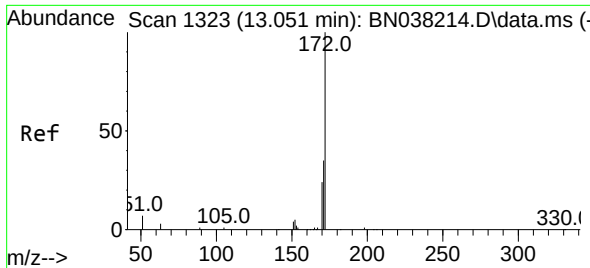
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 9392        |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 162         | 105.3 | 83.8 125.8  |
| 160         | 52.5  | 41.6 62.4   |



#14  
2,4,6-Tribromophenol  
Concen: 0.430 ng  
RT: 15.920 min Scan# 1586  
Delta R.T. -0.012 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:330 | Resp: | 1271        |
| Ion         | Ratio | Lower Upper |
| 330         | 100   |             |
| 332         | 95.4  | 77.8 116.6  |
| 141         | 37.5  | 33.0 49.4   |

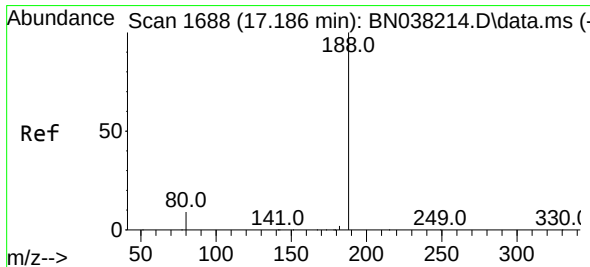
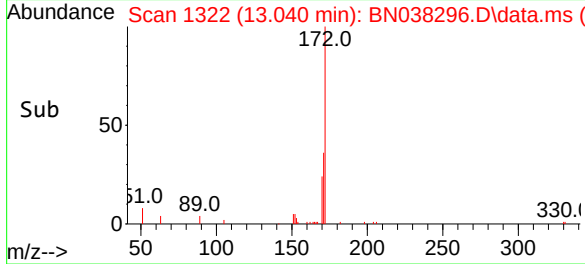
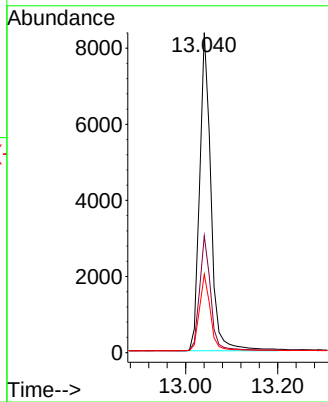
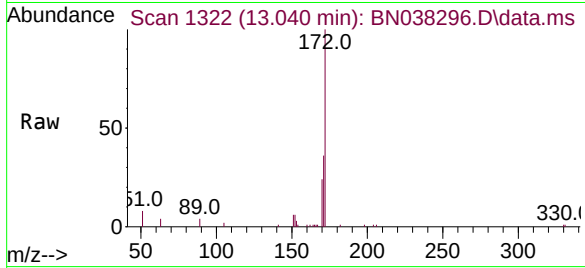




#15  
2-Fluorobiphenyl  
Concen: 0.347 ng  
RT: 13.040 min Scan# 1323  
Delta R.T. -0.011 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

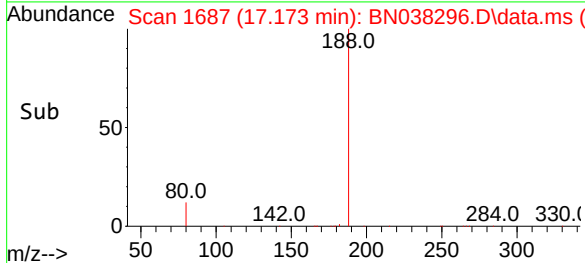
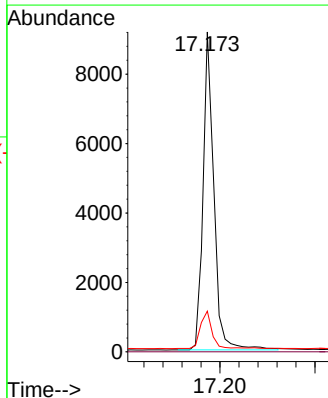
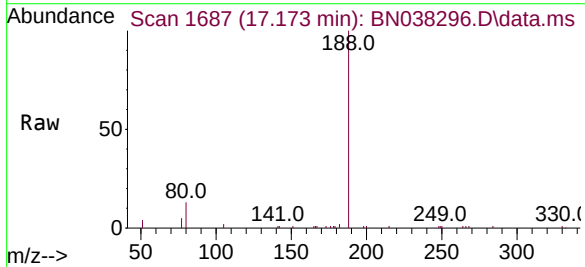
Instrument :  
BNA\_N  
ClientSampleId :  
MW-14A-17.5-120325

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 12595 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 36.5  | 28.1  | 42.1  |
| 170       | 24.5  | 19.1  | 28.7  |

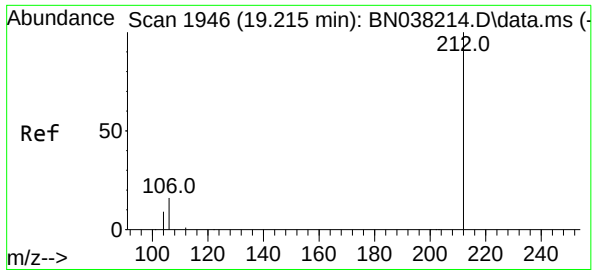


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.173 min Scan# 1687  
Delta R.T. -0.012 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 14431 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 12.7  | 7.7   | 11.5  |







#27

Fluoranthene-d10

Concen: 0.432 ng

RT: 19.211 min Scan# 1945

Delta R.T. -0.005 min

Lab File: BN038296.D

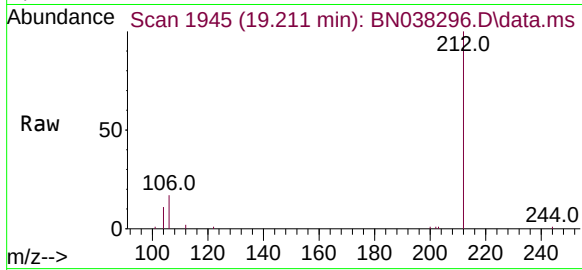
Acq: 06 Dec 2025 05:11

Instrument :

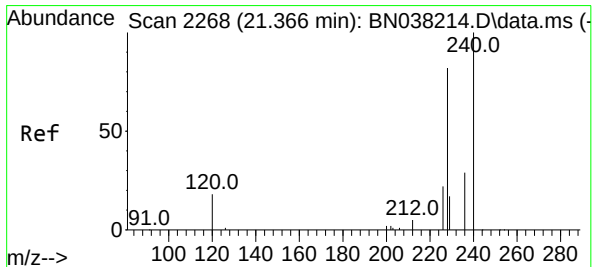
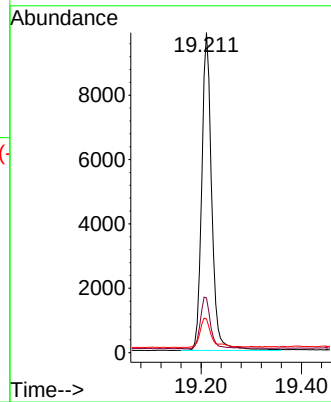
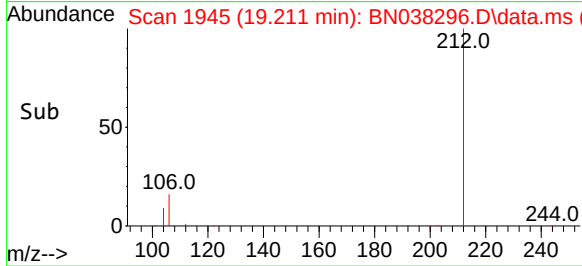
BNA\_N

ClientSampleId :

MW-14A-17.5-120325



| Tgt Ion:  | 212   | Resp: | 13520 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 17.0  | 12.7  | 19.1  |
| 104       | 10.6  | 7.3   | 10.9  |



#29

Chrysene-d12

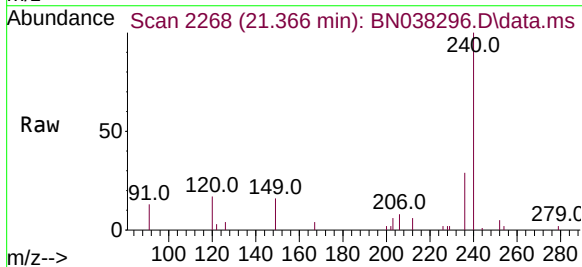
Concen: 0.400 ng

RT: 21.366 min Scan# 2268

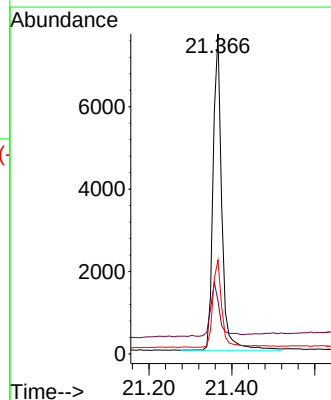
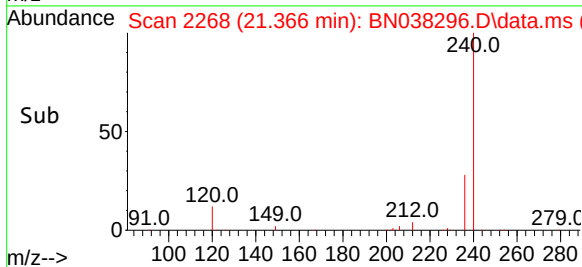
Delta R.T. 0.000 min

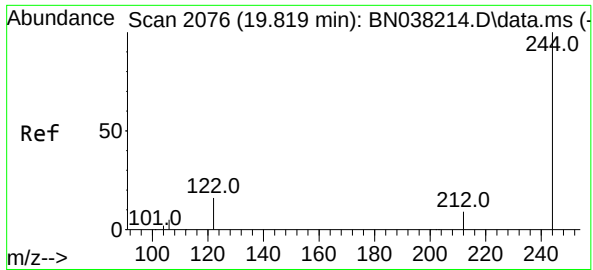
Lab File: BN038296.D

Acq: 06 Dec 2025 05:11



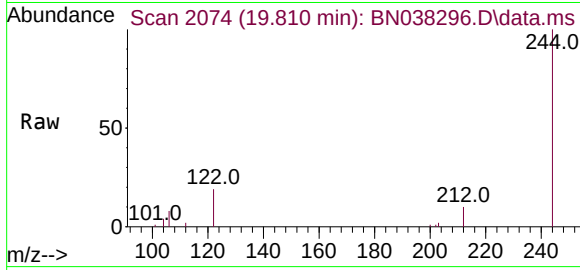
| Tgt Ion:  | 240   | Resp: | 11258 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 16.5  | 18.1  | 27.1  |
| 236       | 29.3  | 24.2  | 36.4  |



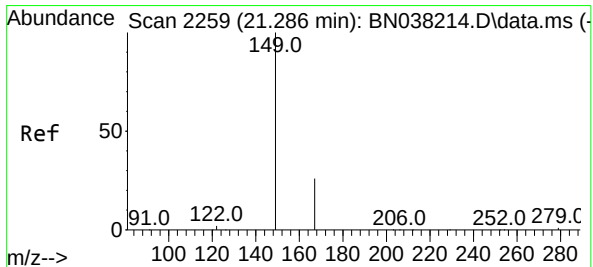
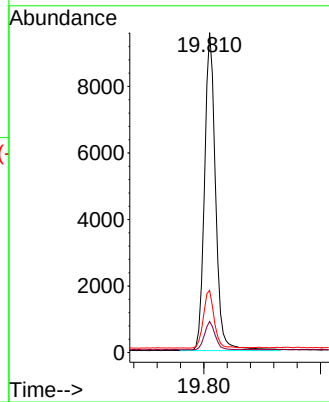
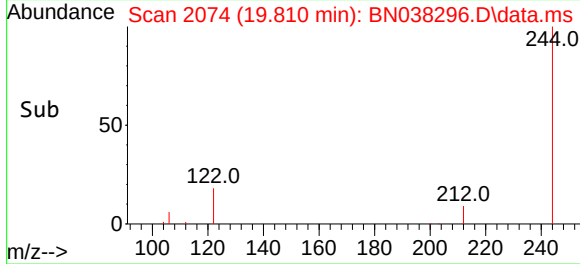


#31  
Terphenyl-d14  
Concen: 0.480 ng  
RT: 19.810 min Scan# 2076  
Delta R.T. -0.009 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

Instrument :  
BNA\_N  
ClientSampleId :  
MW-14A-17.5-120325

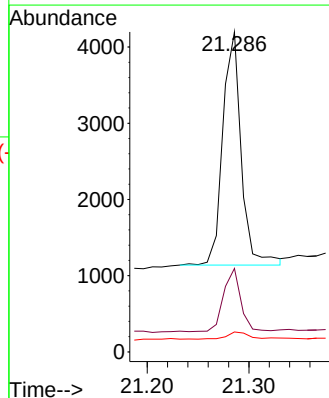
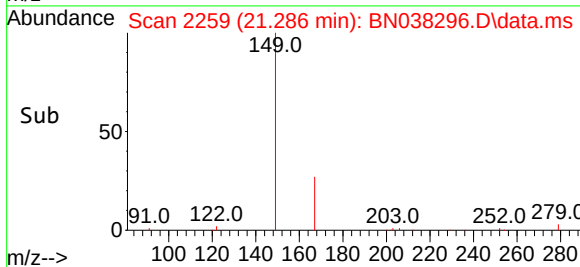
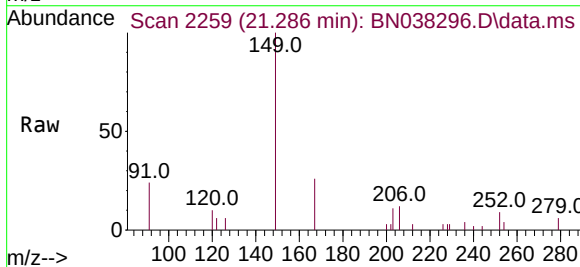


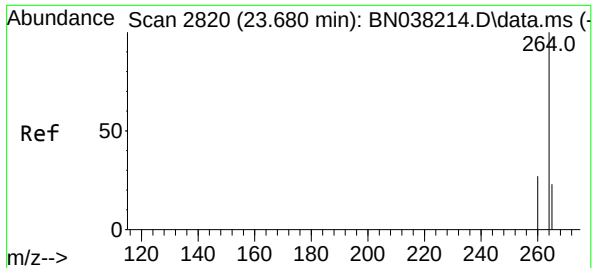
Tgt Ion:244 Resp: 12488  
Ion Ratio Lower Upper  
244 100  
212 9.7 7.7 11.5  
122 19.4 13.6 20.4



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.186 ng  
RT: 21.286 min Scan# 2259  
Delta R.T. 0.000 min  
Lab File: BN038296.D  
Acq: 06 Dec 2025 05:11

Tgt Ion:149 Resp: 3880  
Ion Ratio Lower Upper  
149 100  
167 25.3 20.7 31.1  
279 4.4 2.5 3.7#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.668 min Scan# 2816

Delta R.T. -0.012 min

Lab File: BN038296.D

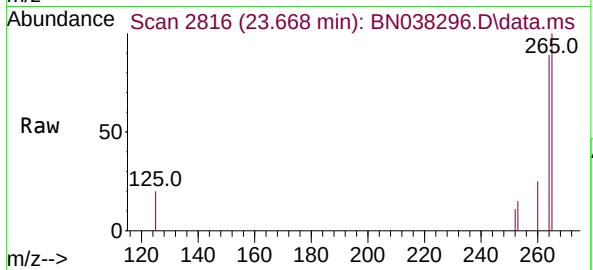
Acq: 06 Dec 2025 05:11

Instrument :

BNA\_N

ClientSampleId :

MW-14A-17.5-120325



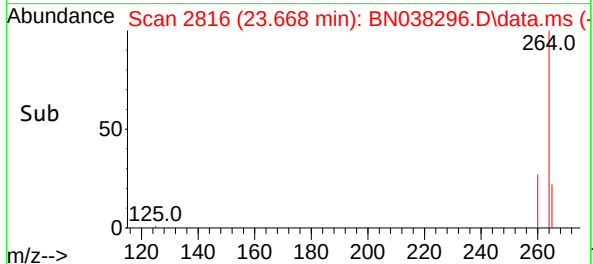
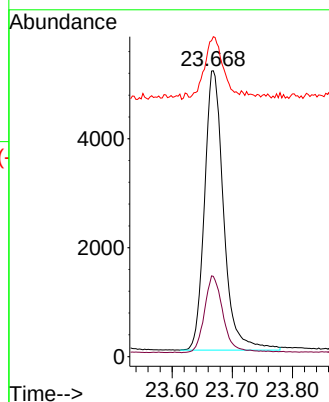
Tgt Ion:264 Resp: 11337

Ion Ratio Lower Upper

264 100

260 28.1 21.7 32.5

265 111.9 98.0 147.0



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
 Data File : BN038313.D  
 Acq On : 11 Dec 2025 12:25  
 Operator : RC/JU  
 Sample : Q3757-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BR-03D-490-120325

Quant Time: Dec 11 12:52:53 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

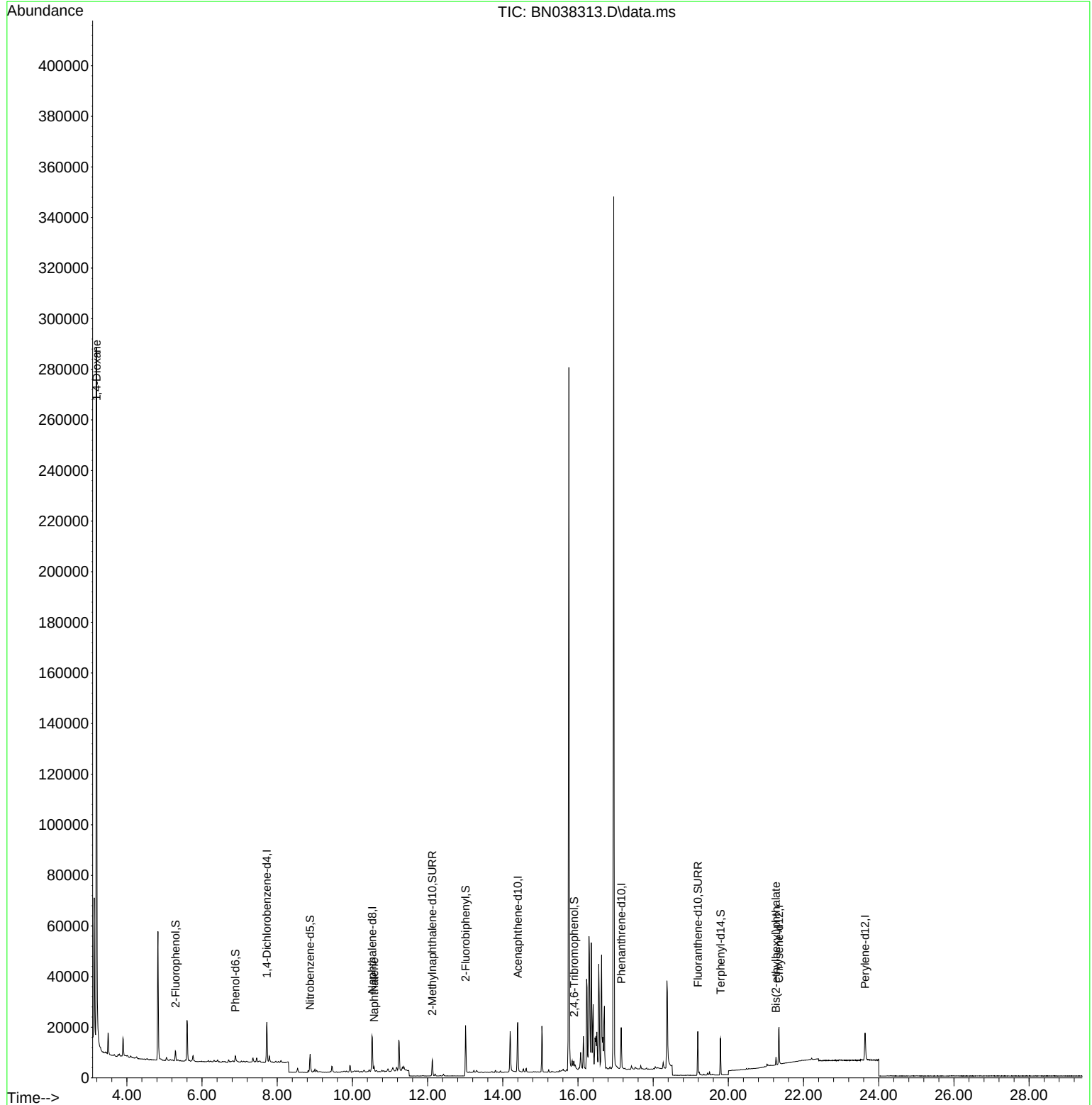
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 7415     | 0.400  | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.530 | 136  | 20111    | 0.400  | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.398 | 164  | 10732    | 0.400  | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.148 | 188  | 19954    | 0.400  | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.348 | 240  | 14276    | 0.400  | ng    | # 0.00   |
| 35) Perylene-d12              | 23.636 | 264  | 14578    | 0.400  | ng    | # 0.00   |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) 2-Fluorophenol             | 5.298  | 112  | 3082     | 0.167  | ng    | 0.00     |
| 5) Phenol-d6                  | 6.886  | 99   | 2265     | 0.103  | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 5813     | 0.343  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 8721     | 0.307  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 1828     | 0.384  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 16951    | 0.328  | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.187 | 212  | 18094    | 0.367  | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.791 | 244  | 13649    | 0.428  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       |          |
| 2) 1,4-Dioxane                | 3.196  | 88   | 160554   | 18.884 | ng    | 99       |
| 9) Naphthalene                | 10.573 | 128  | 2469     | 0.042  | ng    | # 90     |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 2816     | 0.093  | ng    | # 99     |
| -----                         |        |      |          |        |       |          |

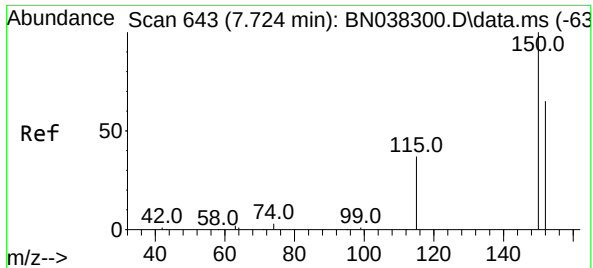
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
Data File : BN038313.D  
Acq On : 11 Dec 2025 12:25  
Operator : RC/JU  
Sample : Q3757-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325

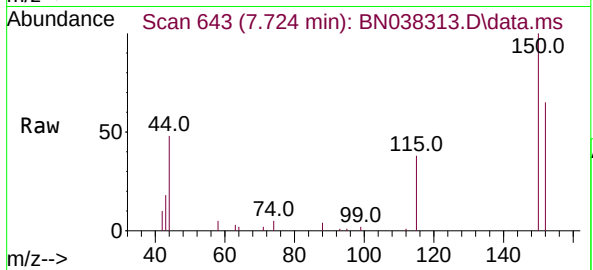
Quant Time: Dec 11 12:52:53 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration



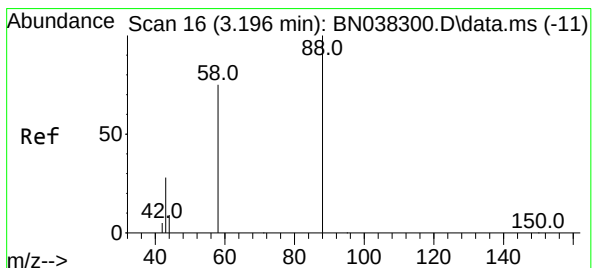
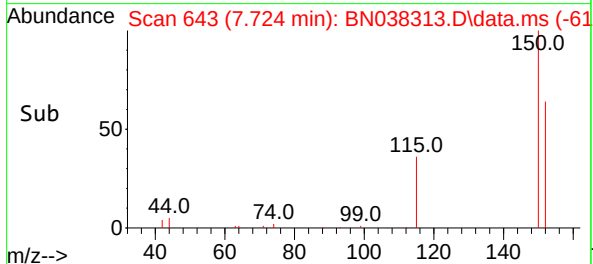
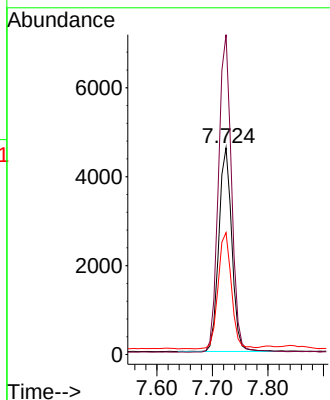


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325

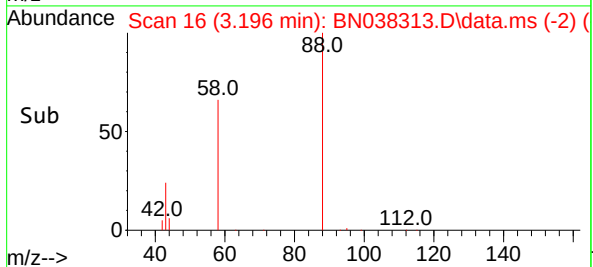
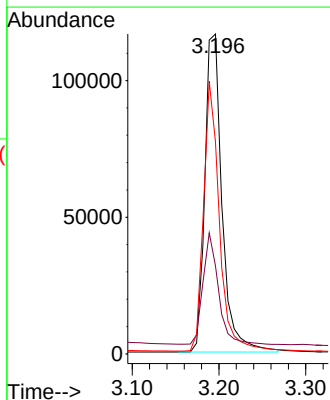
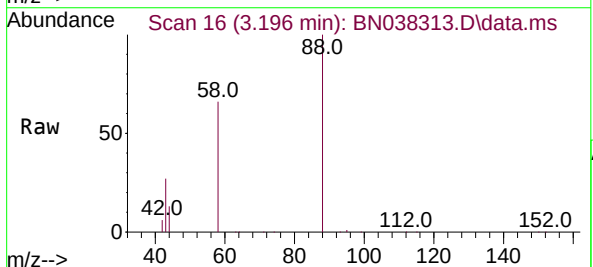


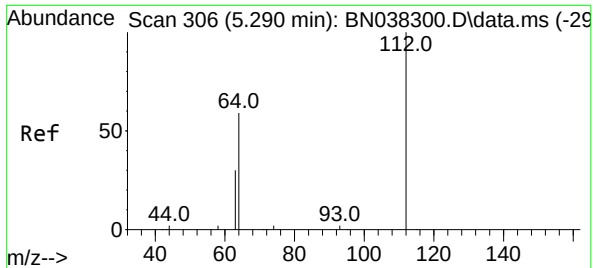
Tgt Ion:152 Resp: 7415  
Ion Ratio Lower Upper  
152 100  
150 154.8 122.4 183.6  
115 59.0 47.3 70.9



#2  
1,4-Dioxane  
Concen: 18.884 ng  
RT: 3.196 min Scan# 16  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

Tgt Ion: 88 Resp: 160554  
Ion Ratio Lower Upper  
88 100  
43 31.2 24.9 37.3  
58 77.5 61.4 92.0

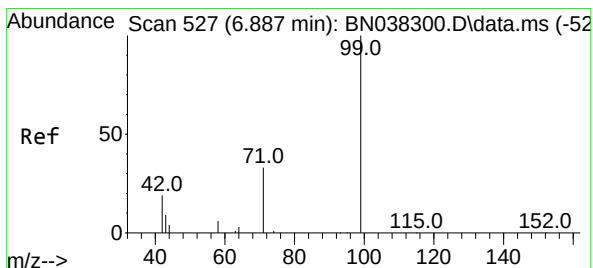
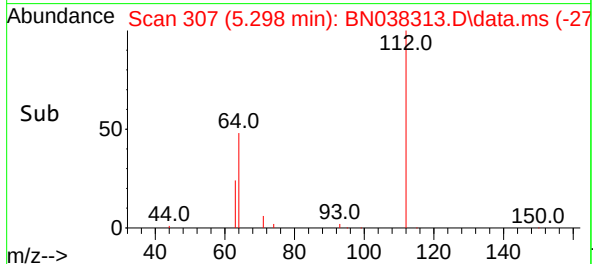
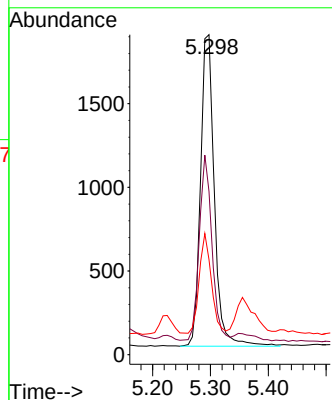
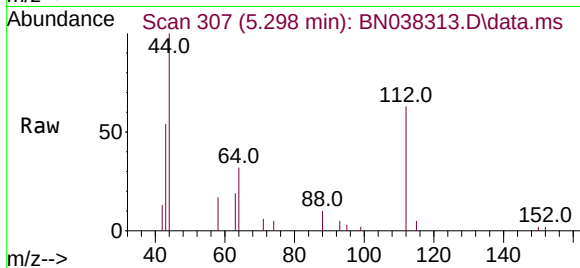




#4  
2-Fluorophenol  
Concen: 0.167 ng  
RT: 5.298 min Scan# 306  
Delta R.T. 0.007 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

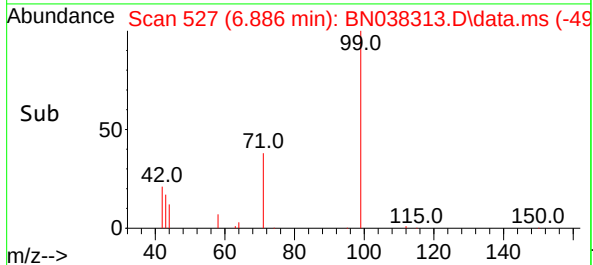
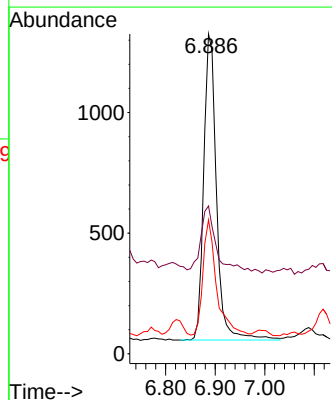
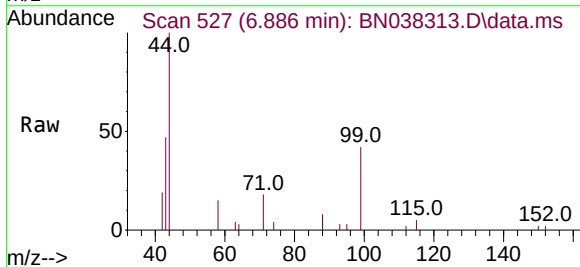
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325

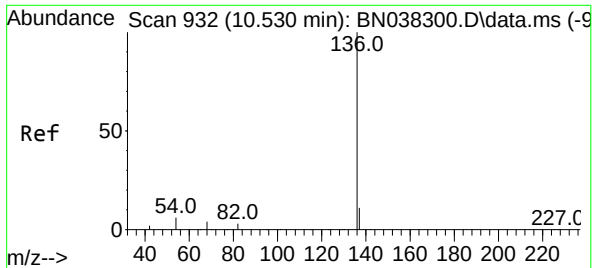
Tgt Ion:112 Resp: 3082  
Ion Ratio Lower Upper  
112 100  
64 55.2 44.4 66.6  
63 28.4 23.4 35.0



#5  
Phenol-d6  
Concen: 0.103 ng  
RT: 6.886 min Scan# 527  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

Tgt Ion: 99 Resp: 2265  
Ion Ratio Lower Upper  
99 100  
42 27.9 16.5 24.7#  
71 40.7 24.9 37.3#

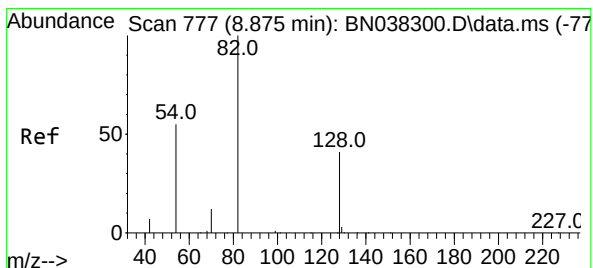
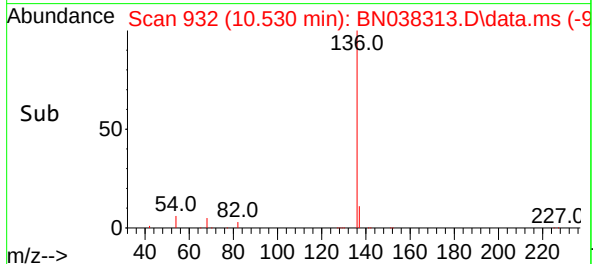
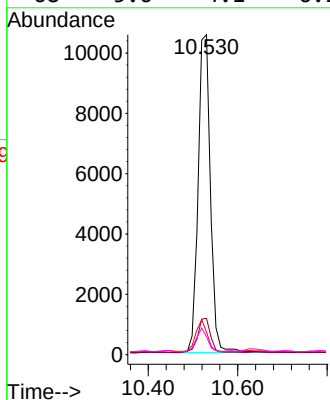
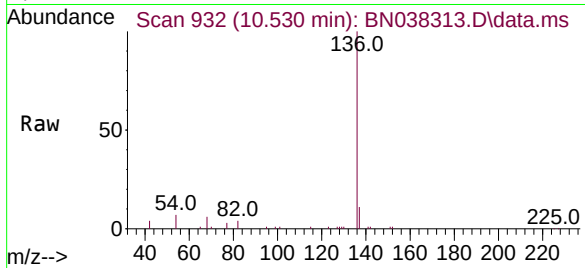




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

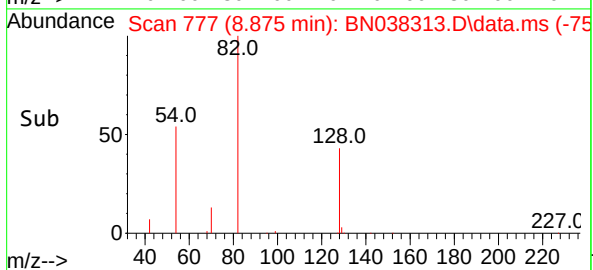
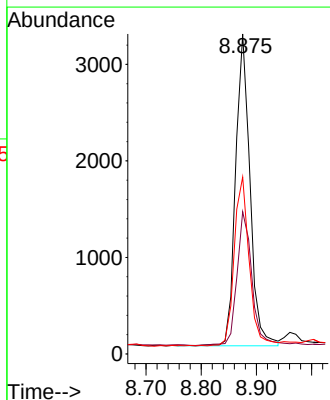
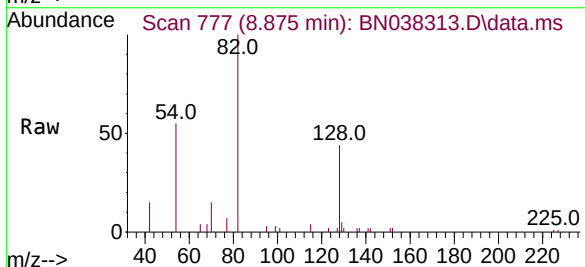
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 20111 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.3  | 9.1   | 13.7  |
| 54       | 7.0   | 5.2   | 7.8   |
| 68       | 5.6   | 4.1   | 6.1   |

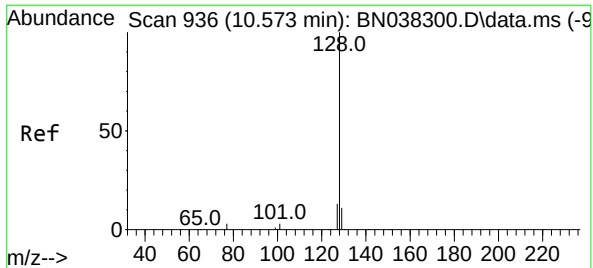


#8  
Nitrobenzene-d5  
Concen: 0.343 ng  
RT: 8.875 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 5813  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 44.5  | 34.0  | 51.0  |
| 54       | 55.3  | 44.4  | 66.6  |



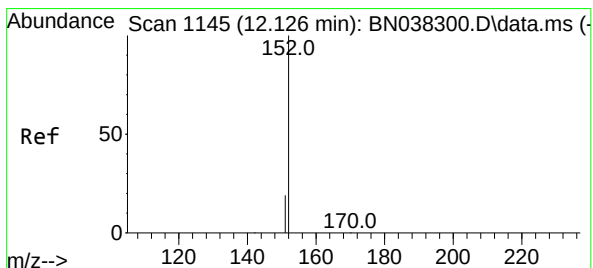
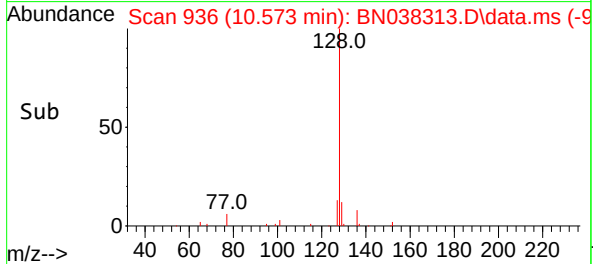
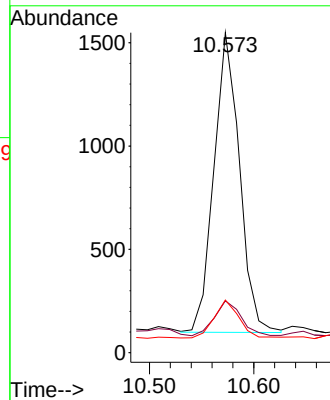
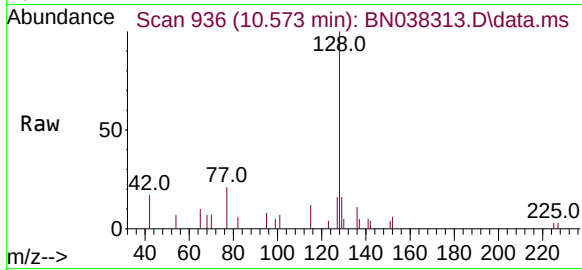




#9  
Naphthalene  
Concen: 0.042 ng  
RT: 10.573 min Scan# 936  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

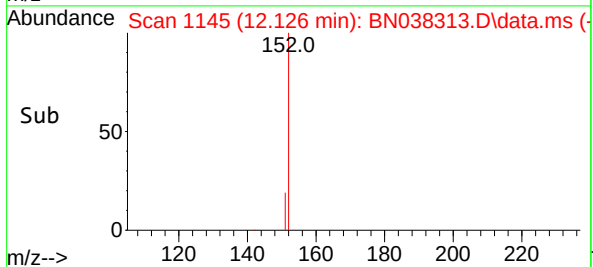
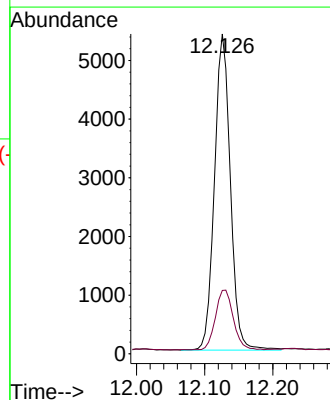
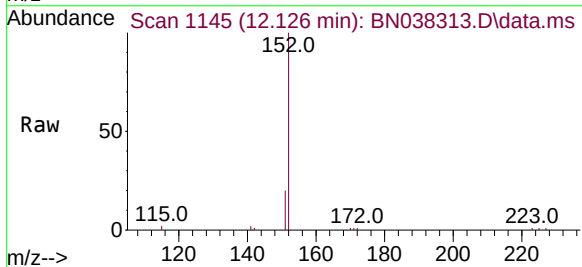
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325

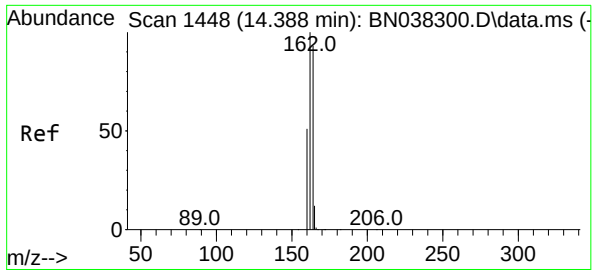
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 16.2  | 9.1   | 13.7# |
| 127     | 16.5  | 10.9  | 16.3# |



#11  
2-Methylnaphthalene-d10  
Concen: 0.307 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

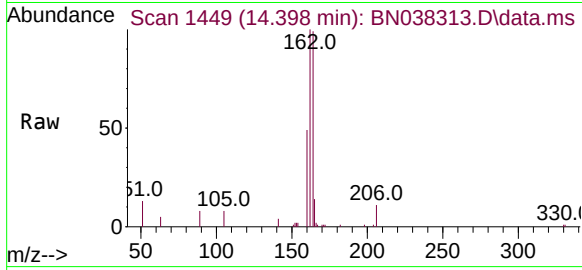
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.4  | 17.0  | 25.6  |



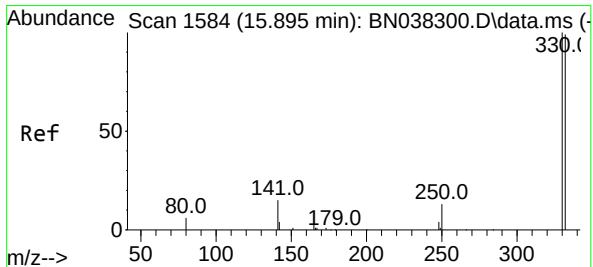
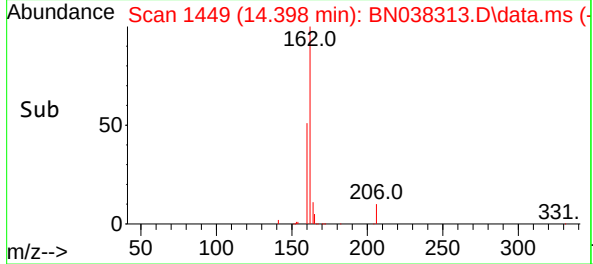
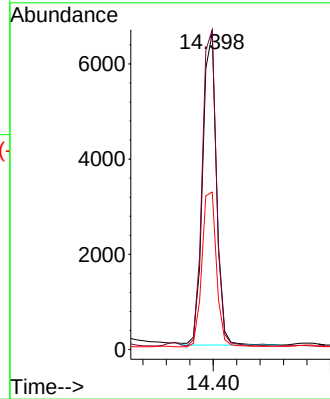


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.398 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325

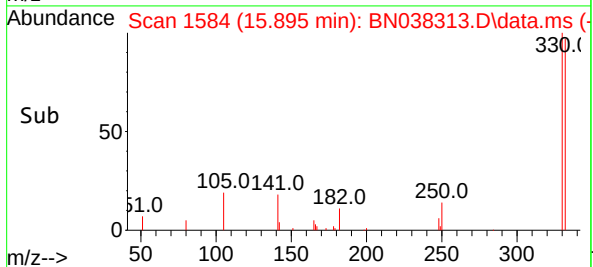
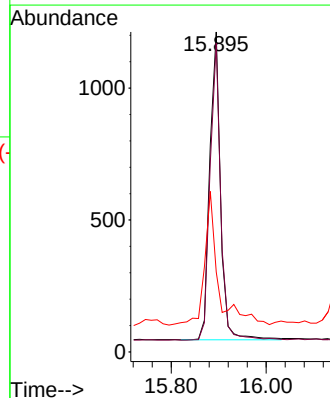
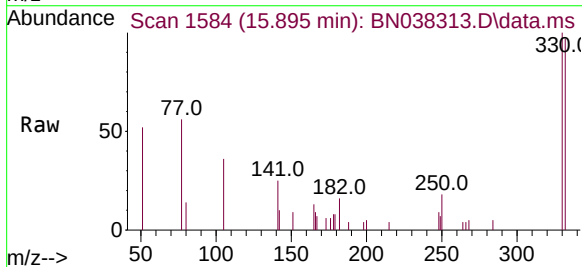


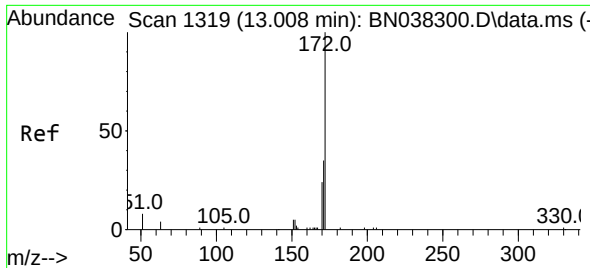
Tgt Ion:164 Resp: 10732  
Ion Ratio Lower Upper  
164 100  
162 101.1 86.2 129.4  
160 49.8 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.384 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

Tgt Ion:330 Resp: 1828  
Ion Ratio Lower Upper  
330 100  
332 95.7 75.8 113.6  
141 45.1 31.8 47.8

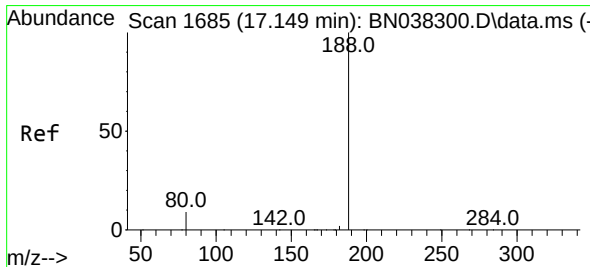
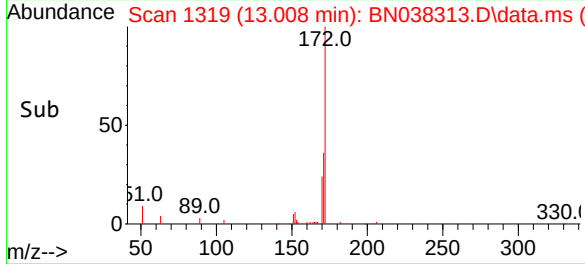
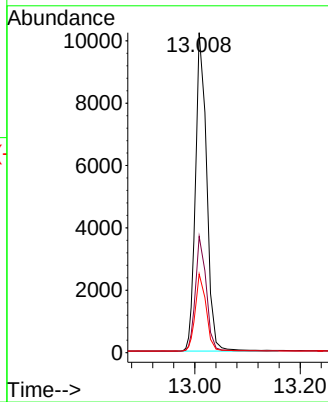
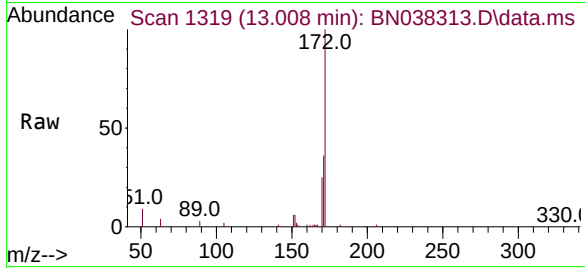




#15  
2-Fluorobiphenyl  
Concen: 0.328 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

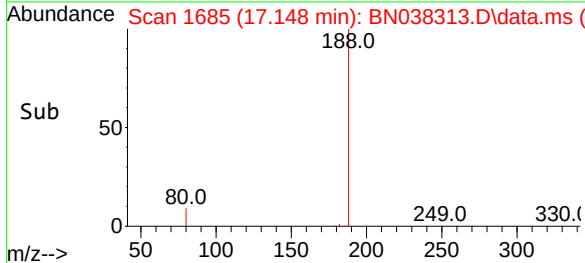
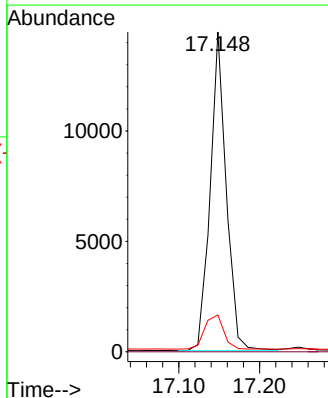
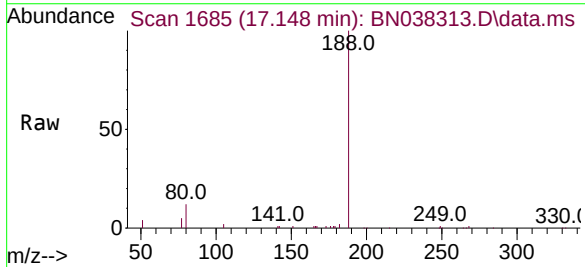
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325

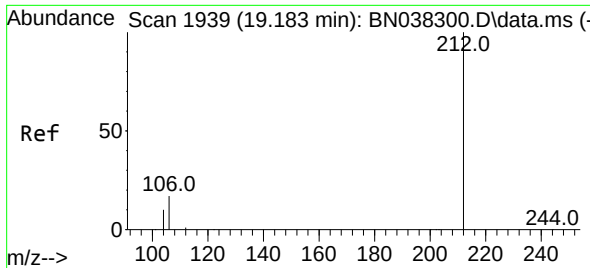
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 16951 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 36.3  | 28.6  | 42.8  |
| 170       | 24.6  | 19.3  | 28.9  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.148 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 19954 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 11.5  | 7.4   | 11.0  |

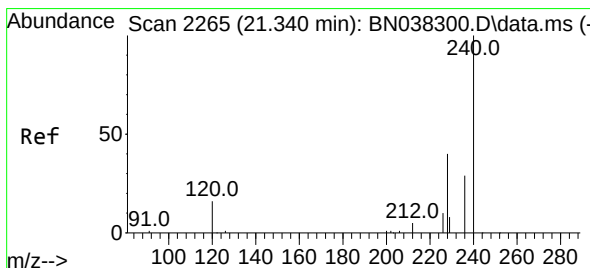
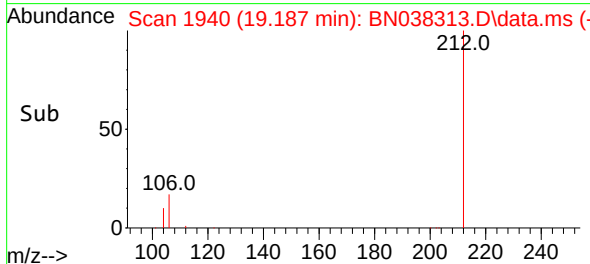
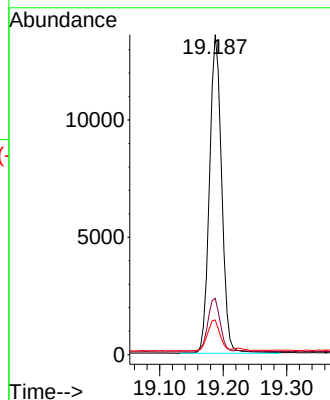
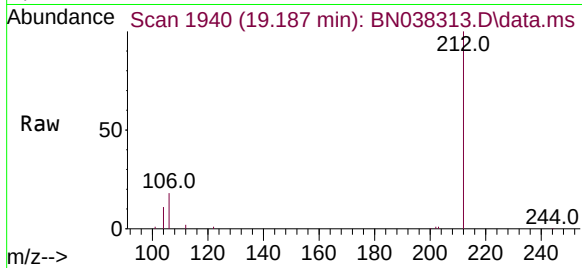




#27  
Fluoranthene-d10  
Concen: 0.367 ng  
RT: 19.187 min Scan# 1939  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

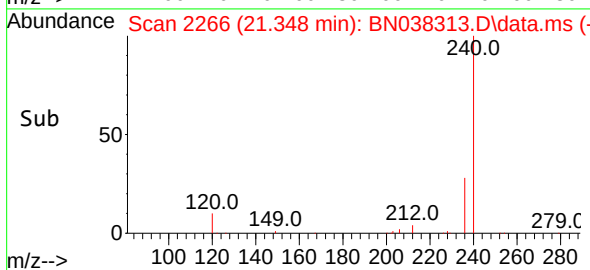
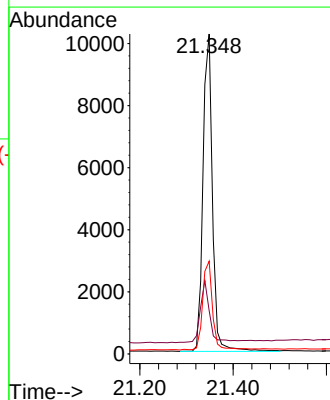
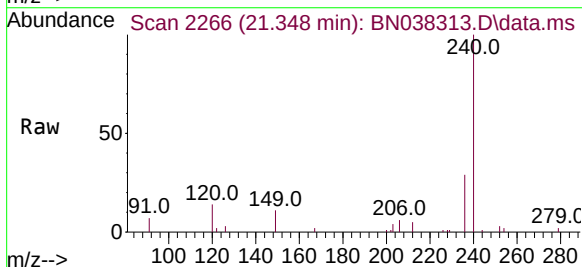
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325

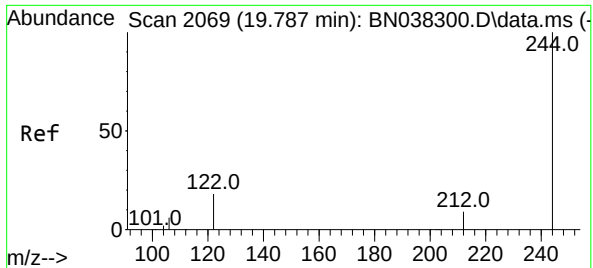
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 17.2  | 13.7  | 20.5  |
| 104     | 9.9   | 7.8   | 11.8  |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.348 min Scan# 2266  
Delta R.T. 0.009 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.5  | 15.4  | 23.2  |
| 236     | 29.0  | 23.9  | 35.9  |

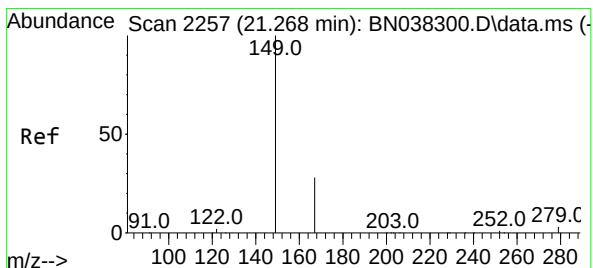
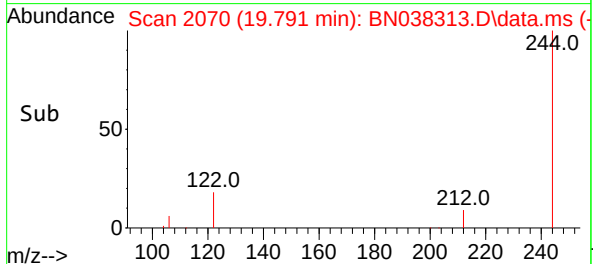
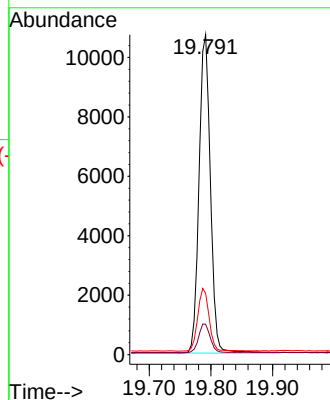
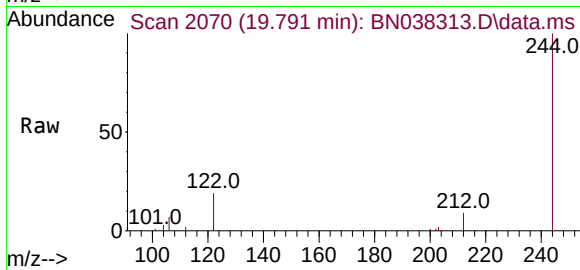




#31  
Terphenyl-d14  
Concen: 0.428 ng  
RT: 19.791 min Scan# 2069  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

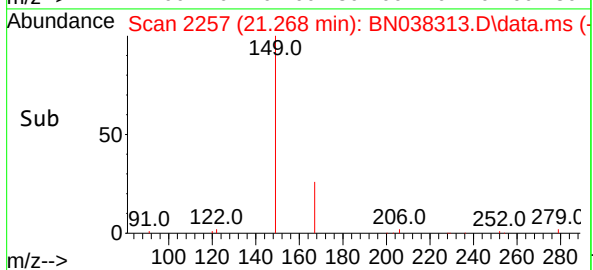
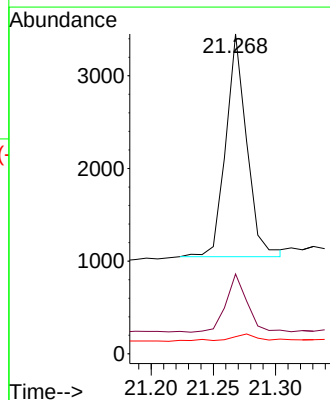
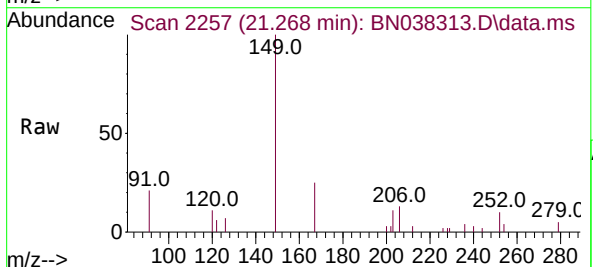
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325

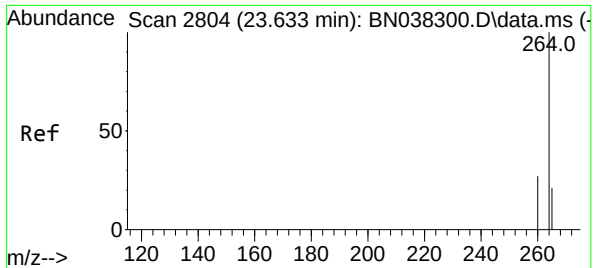
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.5   | 7.9   | 11.9  |
| 122     | 19.1  | 15.0  | 22.6  |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.093 ng  
RT: 21.268 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: BN038313.D  
Acq: 11 Dec 2025 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.4  | 21.4  | 32.0  |
| 279     | 3.7   | 2.4   | 3.6   |





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.636 min Scan# 2804

Delta R.T. 0.003 min

Lab File: BN038313.D

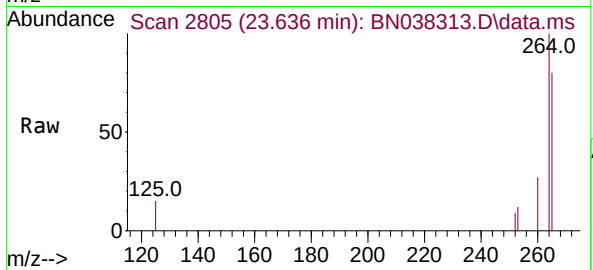
Acq: 11 Dec 2025 12:25

Instrument :

BNA\_N

ClientSampleId :

BR-03D-490-120325



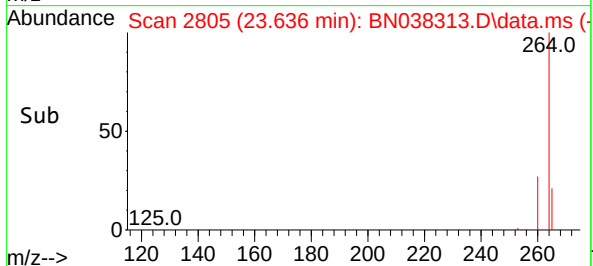
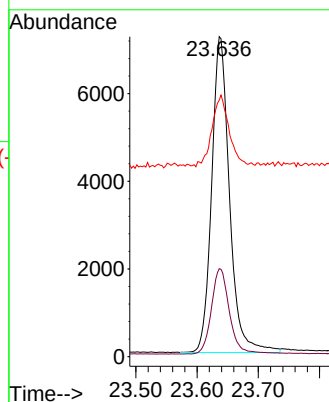
Tgt Ion:264 Resp: 14578

Ion Ratio Lower Upper

264 100

260 27.5 22.2 33.2

265 80.2 80.2 120.2#



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
Data File : BN038333.D  
Acq On : 12 Dec 2025 01:49  
Operator : RC/JU  
Sample : Q3757-03DL 10X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325DL

Quant Time: Dec 12 04:17:19 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

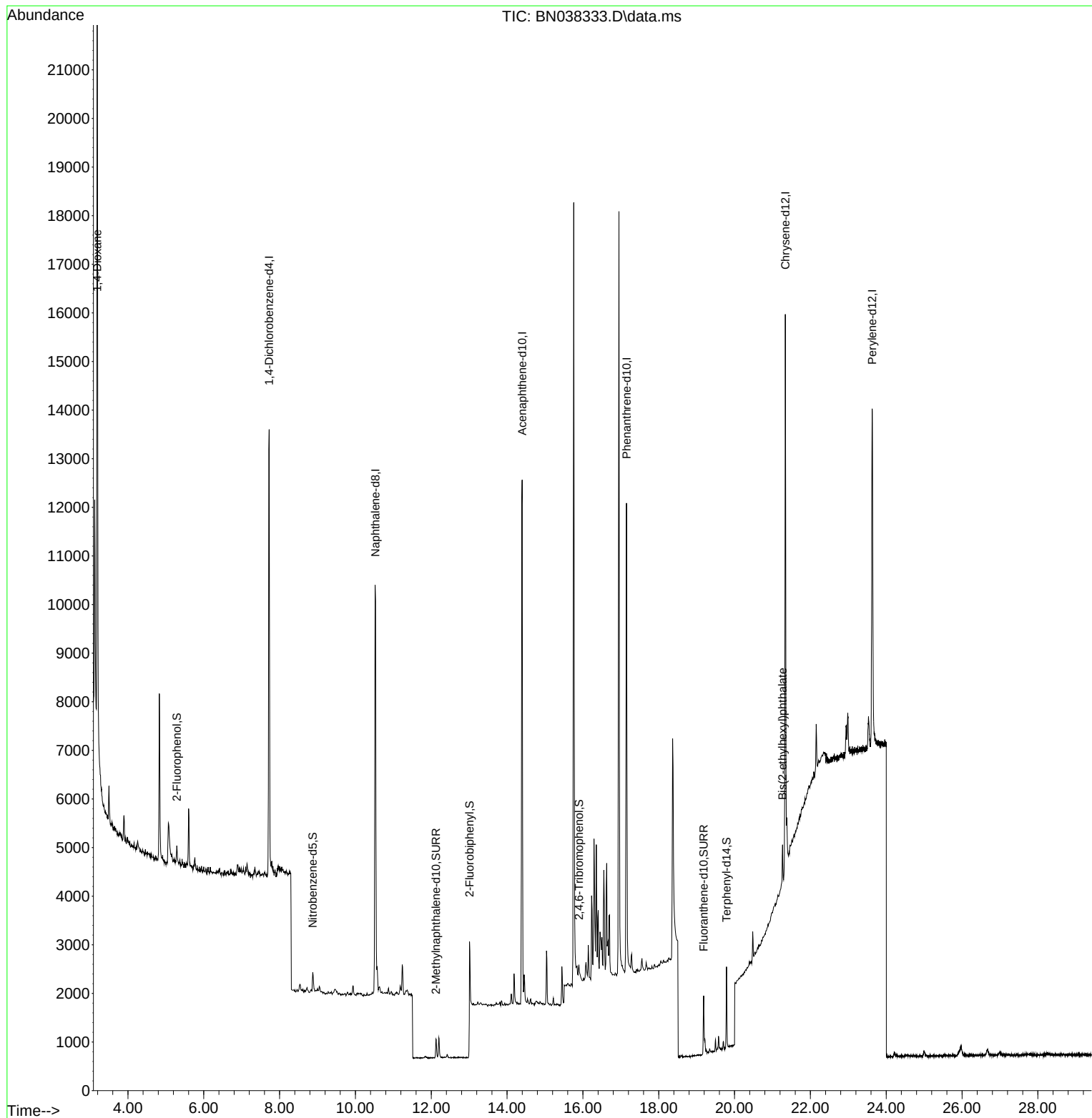
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 4723     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.530 | 136  | 12829    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.398 | 164  | 6799     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.148 | 188  | 13086    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.340 | 240  | 10141    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.630 | 264  | 10159    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 286      | 0.024 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 237      | 0.017 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 384      | 0.035 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 623      | 0.034 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 166      | 0.055 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 1335     | 0.041 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.183 | 212  | 1374     | 0.042 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.787 | 244  | 1628     | 0.072 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.189  | 88   | 11881    | 2.194 | ng    | 96       |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 1001     | 0.047 | ng    | # 91     |

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

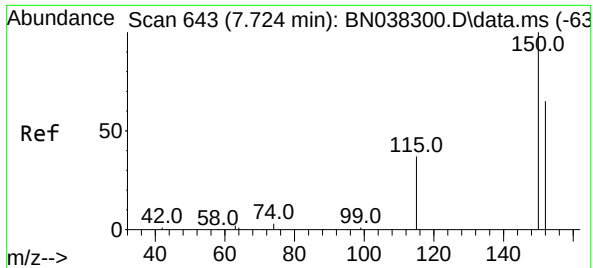
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
Data File : BN038333.D  
Acq On : 12 Dec 2025 01:49  
Operator : RC/JU  
Sample : Q3757-03DL 10X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325DL

Quant Time: Dec 12 04:17:19 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration



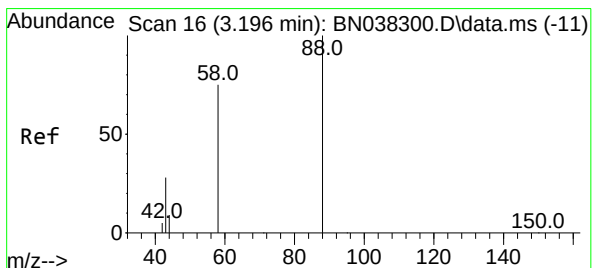
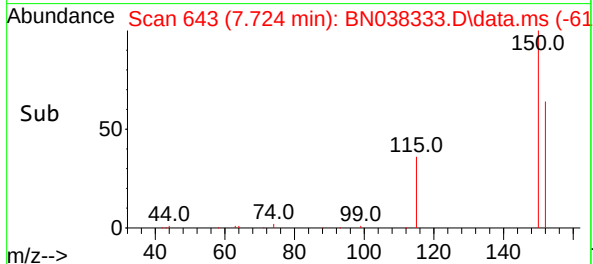
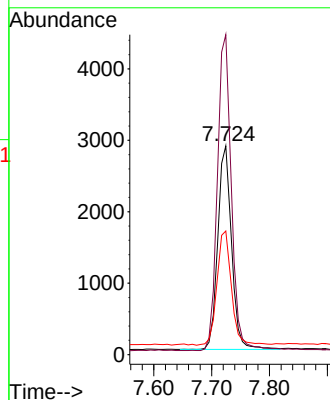
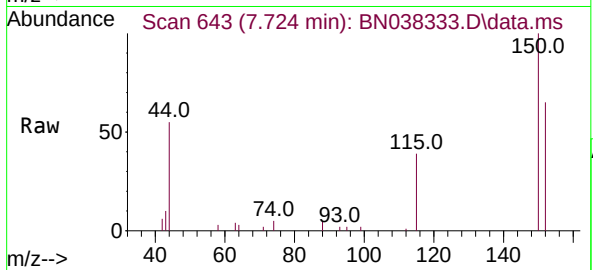




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

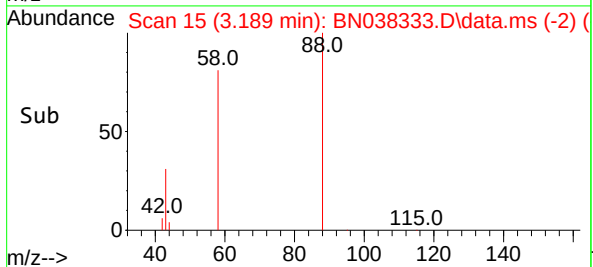
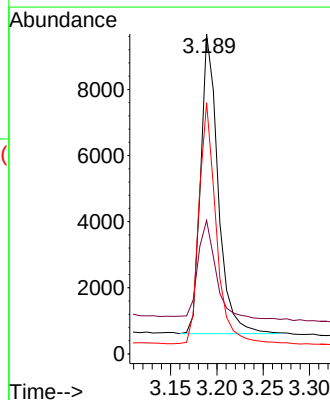
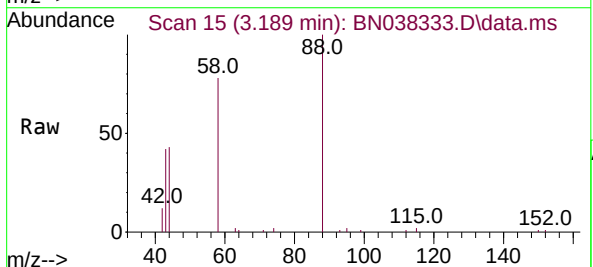
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325DL

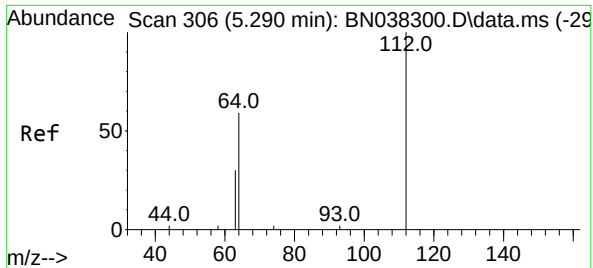
Tgt Ion:152 Resp: 4723  
Ion Ratio Lower Upper  
152 100  
150 153.3 122.4 183.6  
115 59.2 47.3 70.9



#2  
1,4-Dioxane  
Concen: 2.194 ng  
RT: 3.189 min Scan# 15  
Delta R.T. -0.007 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

Tgt Ion: 88 Resp: 11881  
Ion Ratio Lower Upper  
88 100  
43 35.0 24.9 37.3  
58 79.1 61.4 92.0



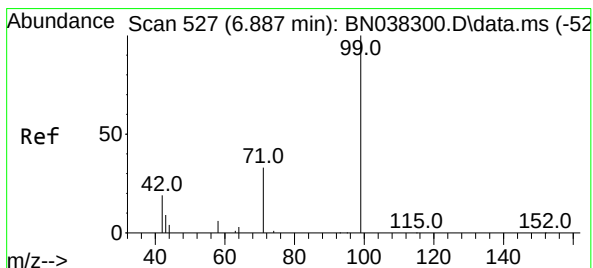
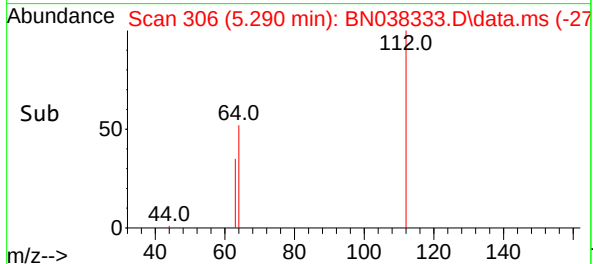
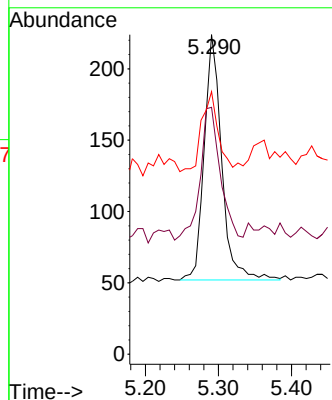
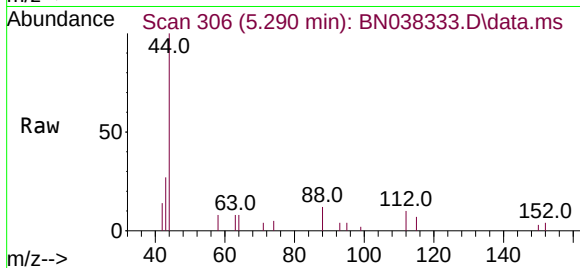


#4  
2-Fluorophenol  
Concen: 0.024 ng  
RT: 5.290 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325DL

Tgt Ion: 112 Resp: 286

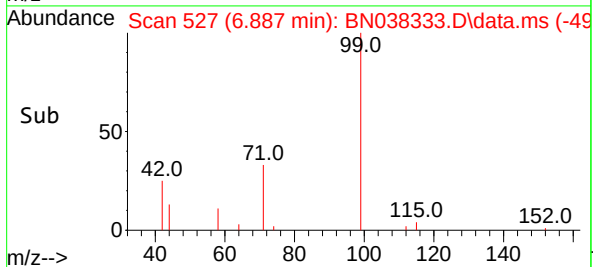
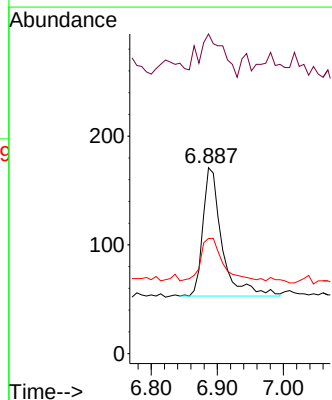
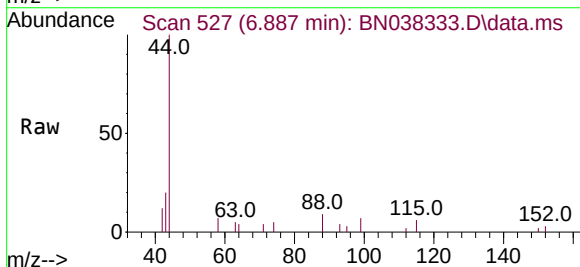
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 62.6  | 44.4  | 66.6  |
| 63  | 27.3  | 23.4  | 35.0  |

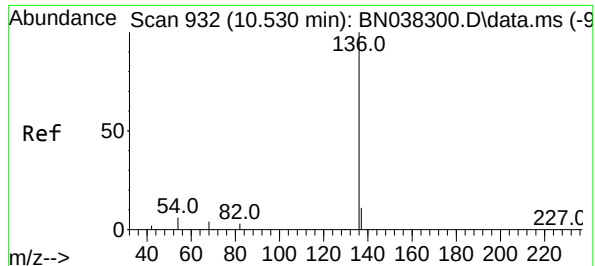


#5  
Phenol-d6  
Concen: 0.017 ng  
RT: 6.887 min Scan# 527  
Delta R.T. 0.000 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

Tgt Ion: 99 Resp: 237

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 42.2  | 16.5  | 24.7# |
| 71  | 35.9  | 24.9  | 37.3  |

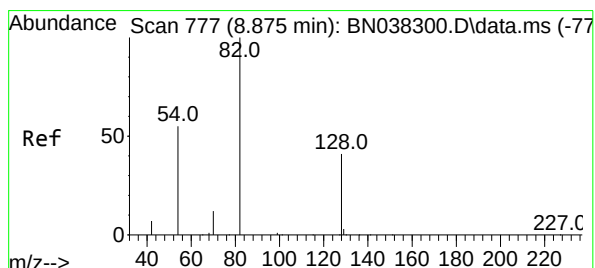
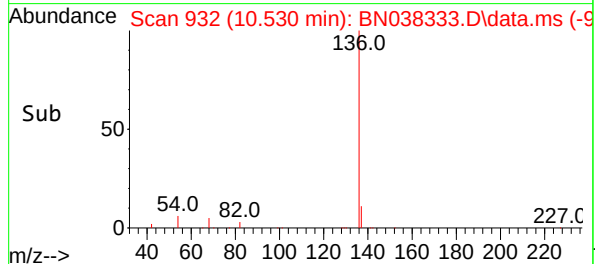
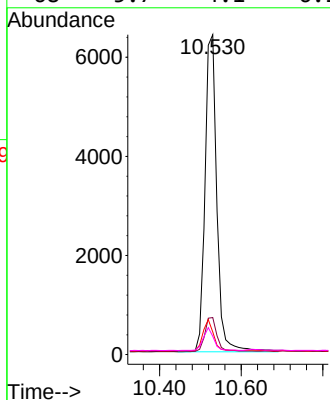
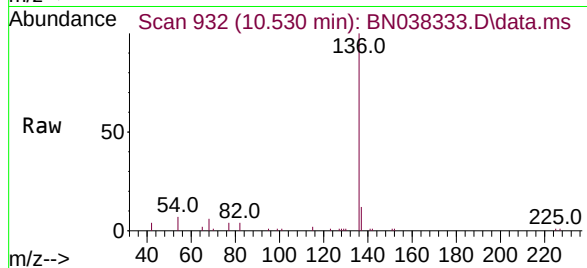




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

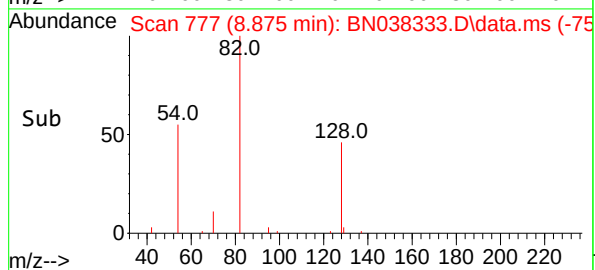
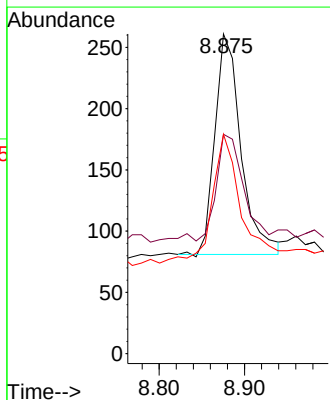
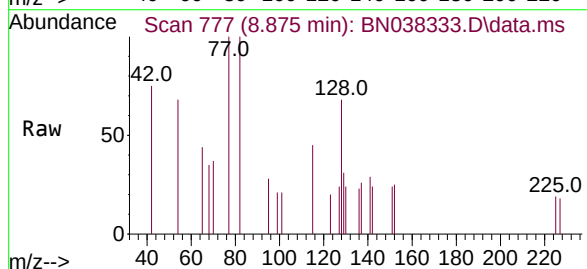
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325DL

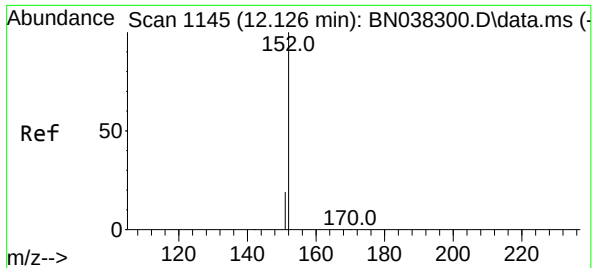
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 12829 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.6  | 9.1   | 13.7  |
| 54       | 7.1   | 5.2   | 7.8   |
| 68       | 5.7   | 4.1   | 6.1   |



#8  
Nitrobenzene-d5  
Concen: 0.035 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 384   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 68.6  | 34.0  | 51.0# |
| 54       | 68.6  | 44.4  | 66.6# |

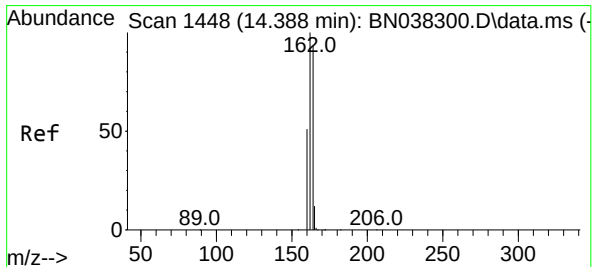
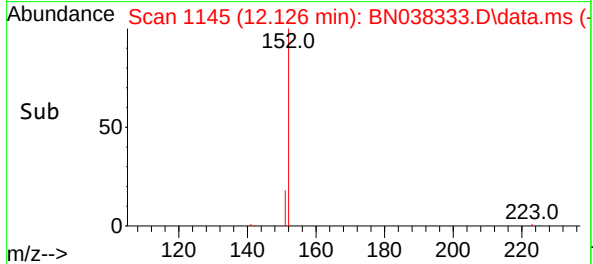
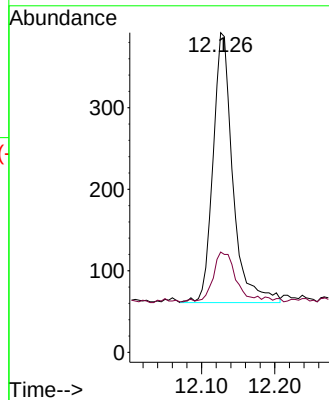
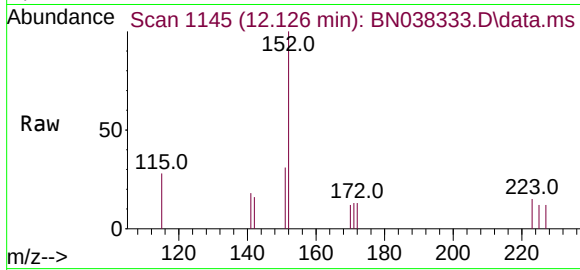




#11  
2-Methylnaphthalene-d10  
Concen: 0.034 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

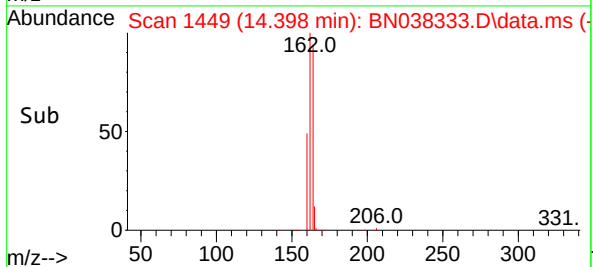
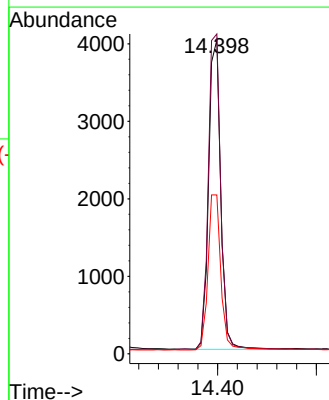
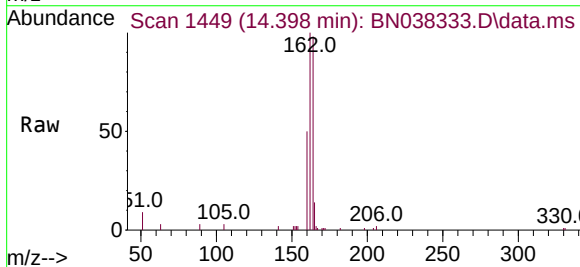
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325DL

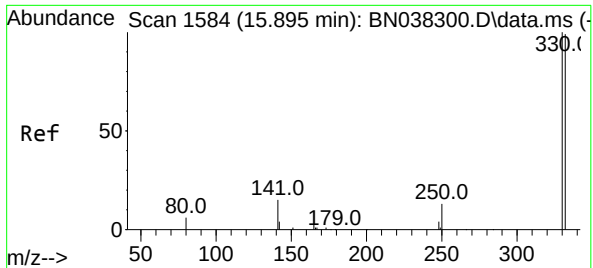
Tgt Ion:152 Resp: 623  
Ion Ratio Lower Upper  
152 100  
151 21.7 17.0 25.6



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.398 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

Tgt Ion:164 Resp: 6799  
Ion Ratio Lower Upper  
164 100  
162 102.0 86.2 129.4  
160 50.7 44.6 67.0





#14

2,4,6-Tribromophenol

Concen: 0.055 ng

RT: 15.895 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN038333.D

Acq: 12 Dec 2025 01:49

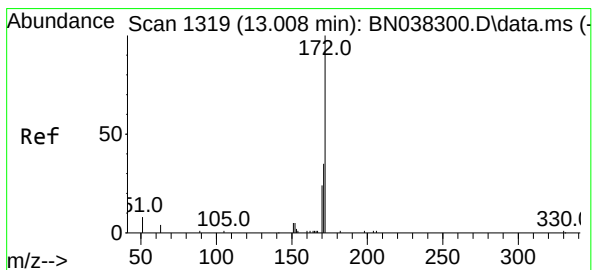
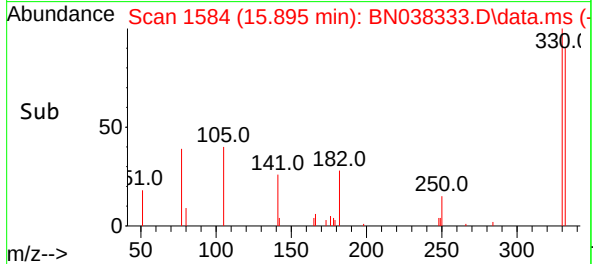
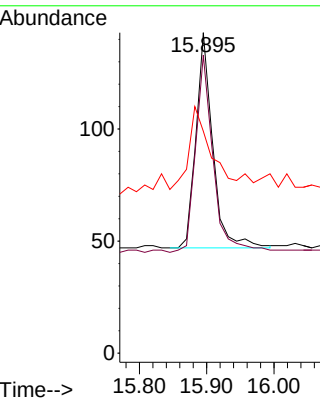
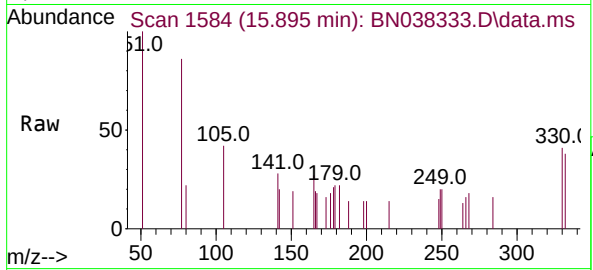
Instrument :

BNA\_N

ClientSampleId :

BR-03D-490-120325DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 166   |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 98.2  | 75.8  | 113.6 |
| 141      | 50.0  | 31.8  | 47.8  |



#15

2-Fluorobiphenyl

Concen: 0.041 ng

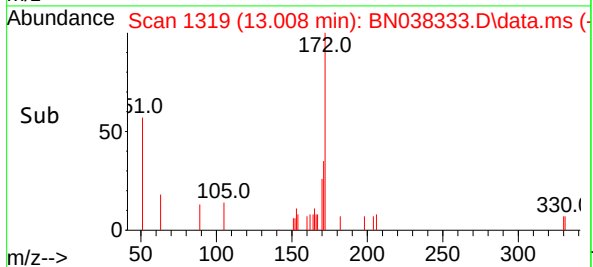
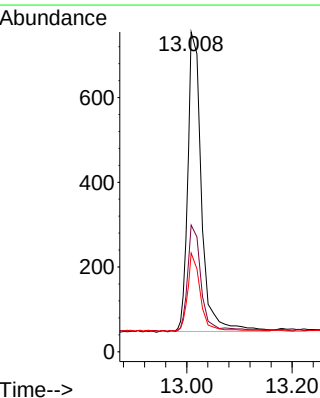
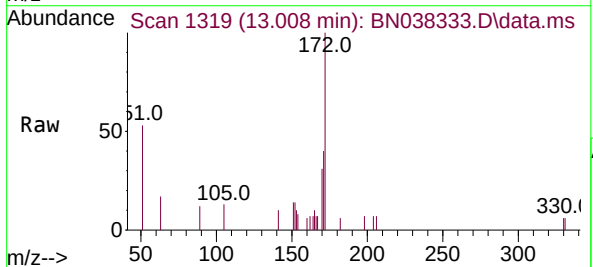
RT: 13.008 min Scan# 1319

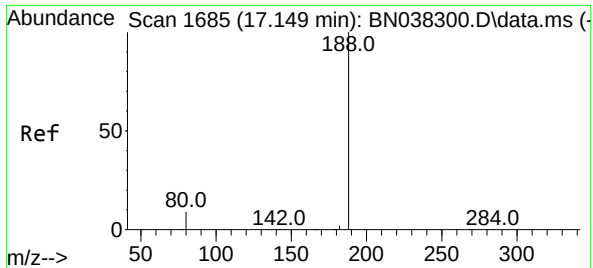
Delta R.T. 0.000 min

Lab File: BN038333.D

Acq: 12 Dec 2025 01:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 1335  |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 39.6  | 28.6  | 42.8  |
| 170      | 30.9  | 19.3  | 28.9  |

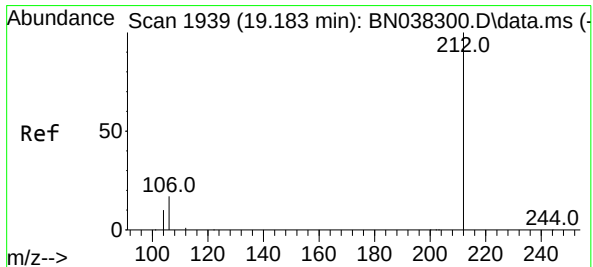
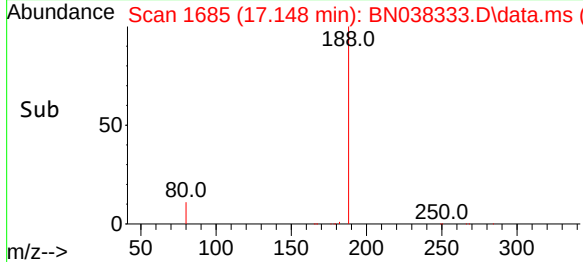
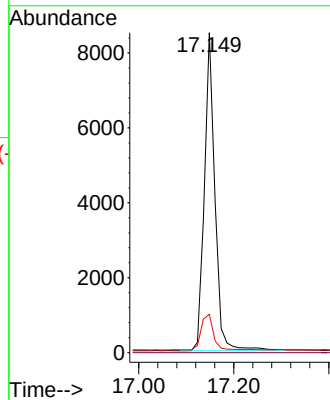
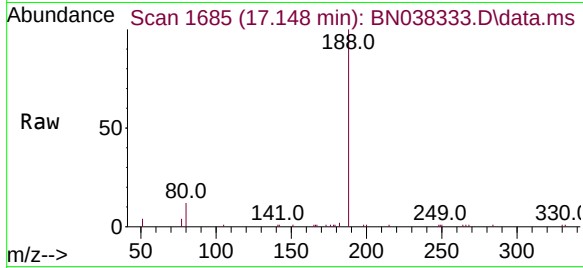




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.148 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

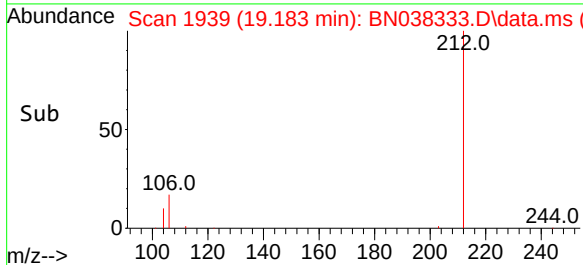
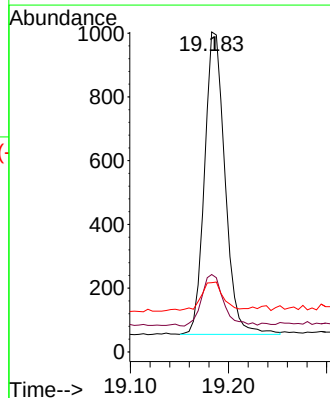
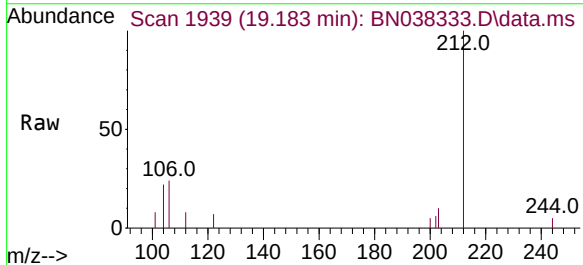
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325DL

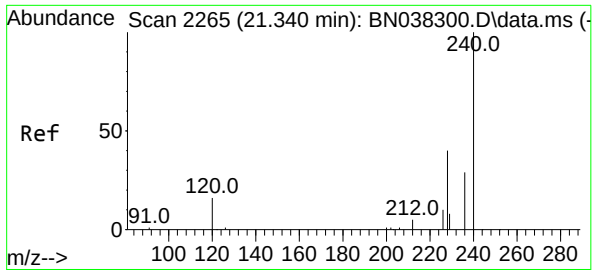
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 12.0  | 7.4   | 11.0  |



#27  
Fluoranthene-d10  
Concen: 0.042 ng  
RT: 19.183 min Scan# 1939  
Delta R.T. -0.005 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 18.3  | 13.7  | 20.5  |
| 104     | 10.6  | 7.8   | 11.8  |

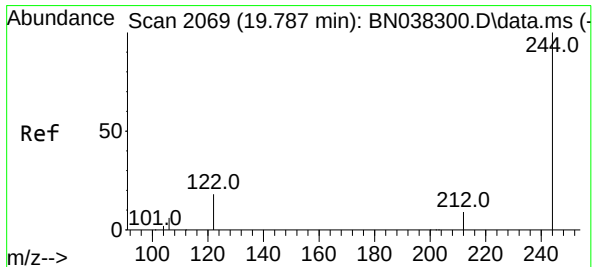
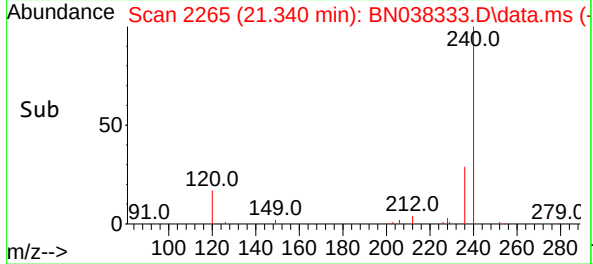
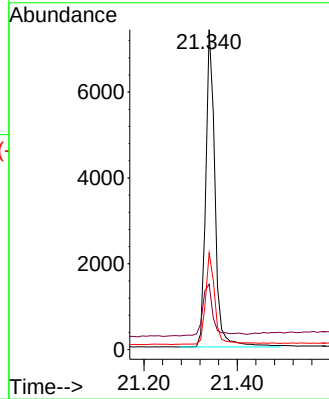
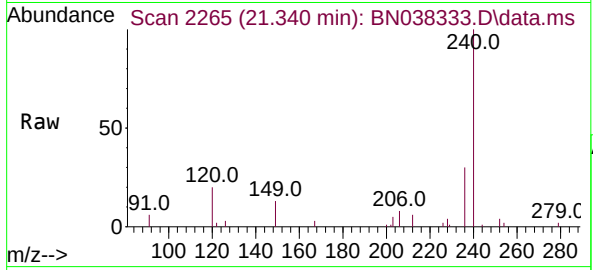




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.340 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

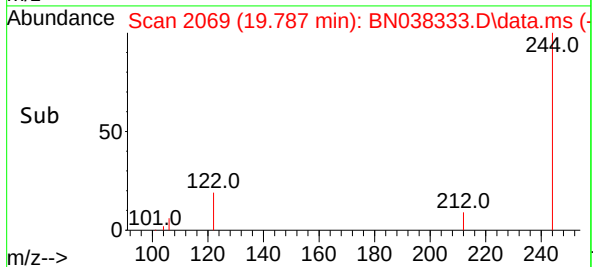
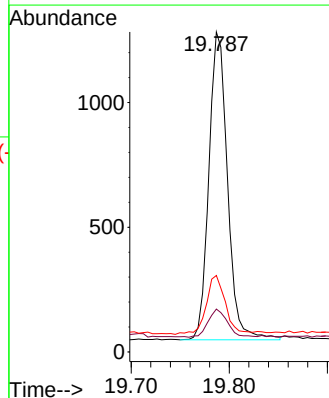
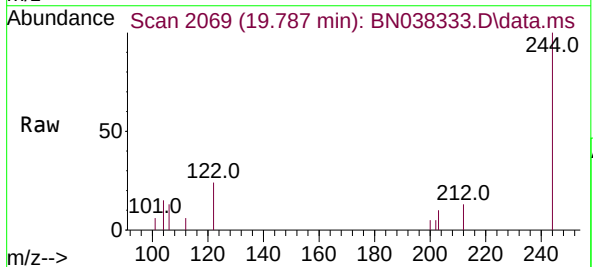
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325DL

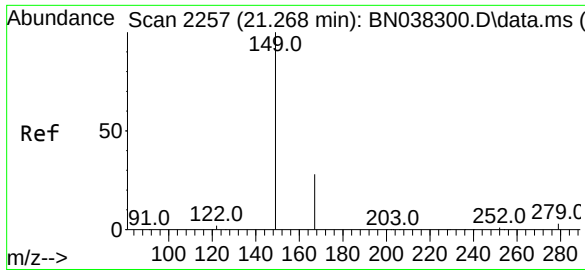
Tgt Ion:240 Resp: 10141  
Ion Ratio Lower Upper  
240 100  
120 20.4 15.4 23.2  
236 30.2 23.9 35.9



#31  
Terphenyl-d14  
Concen: 0.072 ng  
RT: 19.787 min Scan# 2069  
Delta R.T. -0.005 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

Tgt Ion:244 Resp: 1628  
Ion Ratio Lower Upper  
244 100  
212 13.4 7.9 11.9#  
122 23.9 15.0 22.6#

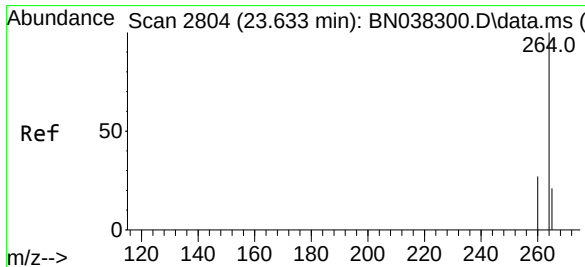
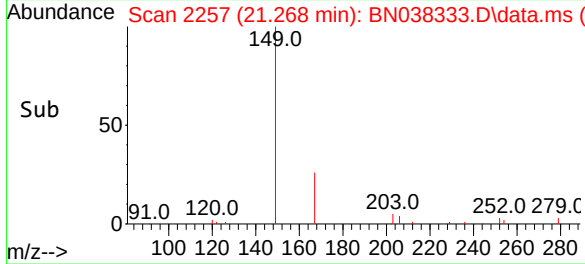
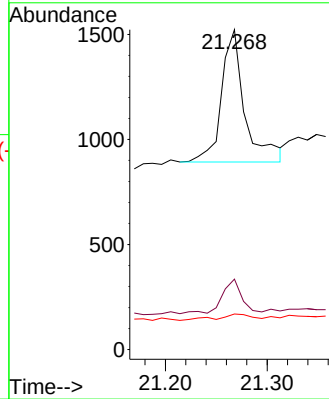
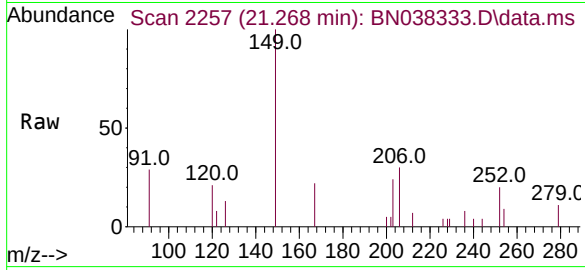




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.047 ng  
RT: 21.268 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

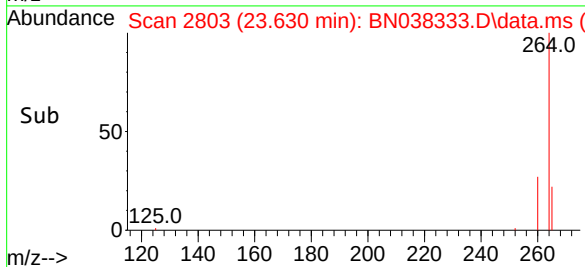
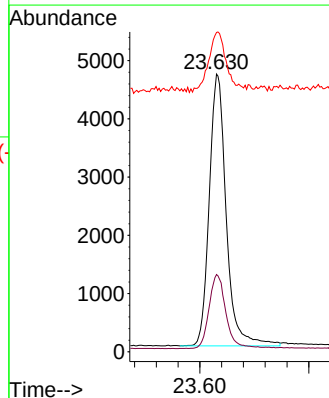
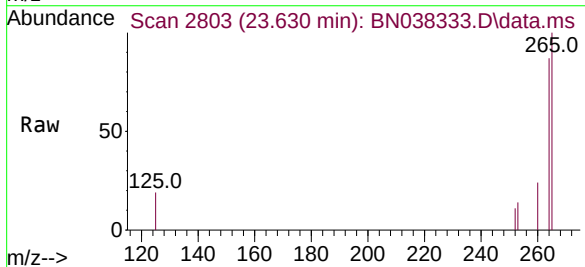
Instrument :  
BNA\_N  
ClientSampleId :  
BR-03D-490-120325DL

Tgt Ion:149 Resp: 1001  
Ion Ratio Lower Upper  
149 100  
167 22.1 21.4 32.0  
279 7.0 2.4 3.6#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.630 min Scan# 2803  
Delta R.T. -0.003 min  
Lab File: BN038333.D  
Acq: 12 Dec 2025 01:49

Tgt Ion:264 Resp: 10159  
Ion Ratio Lower Upper  
264 100  
260 27.8 22.2 33.2  
265 115.0 80.2 120.2





7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
 Data File : BN038314.D  
 Acq On : 11 Dec 2025 13:01  
 Operator : RC/JU  
 Sample : Q3757-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-14B-46-120325

Quant Time: Dec 11 13:29:00 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

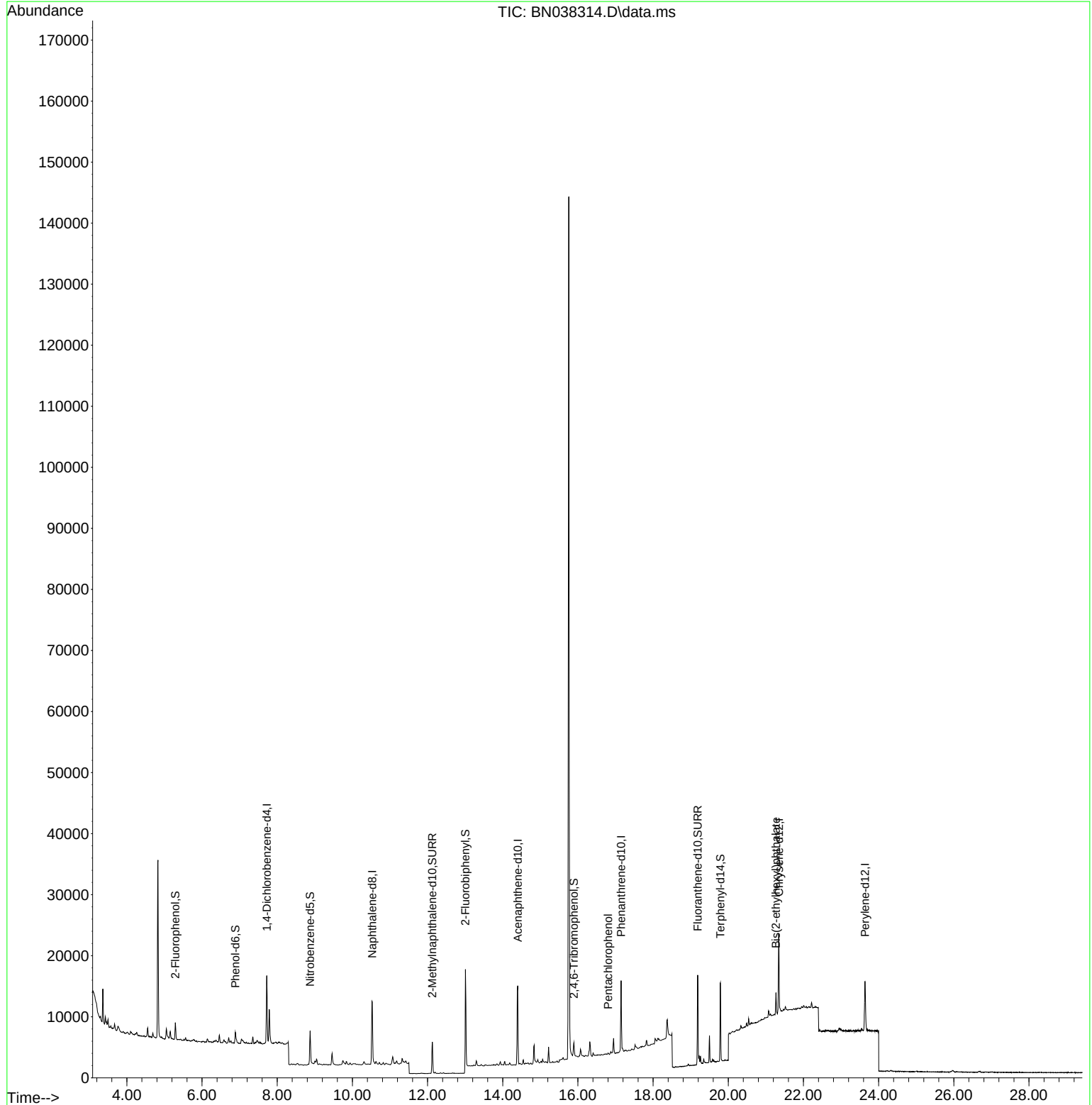
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 5537     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.530 | 136  | 15261    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.398 | 164  | 7974     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.148 | 188  | 14786    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.348 | 240  | 12326    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.639 | 264  | 11109    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 2203     | 0.160 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.886  | 99   | 1708     | 0.104 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 4665     | 0.362 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 7173     | 0.333 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 1318     | 0.373 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 12904    | 0.336 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.187 | 212  | 15499    | 0.424 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.791 | 244  | 11996    | 0.436 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 24) Pentachlorophenol         | 16.801 | 266  | 122      | 0.024 | ng    | 93       |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 3399     | 0.130 | ng    | # 97     |
| -----                         |        |      |          |       |       |          |

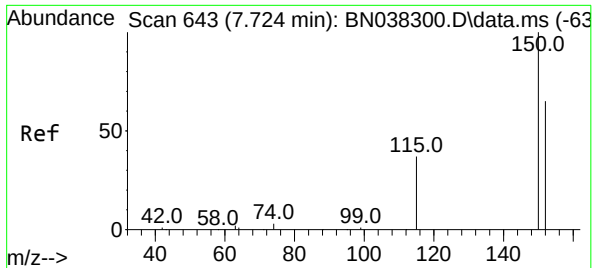
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
Data File : BN038314.D  
Acq On : 11 Dec 2025 13:01  
Operator : RC/JU  
Sample : Q3757-05  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-14B-46-120325

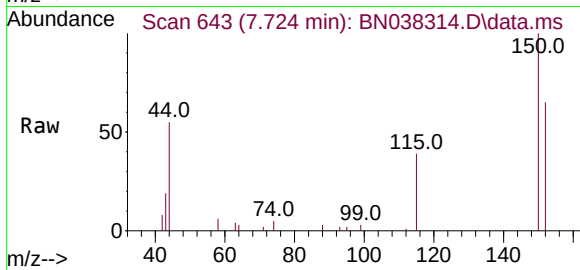
Quant Time: Dec 11 13:29:00 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration



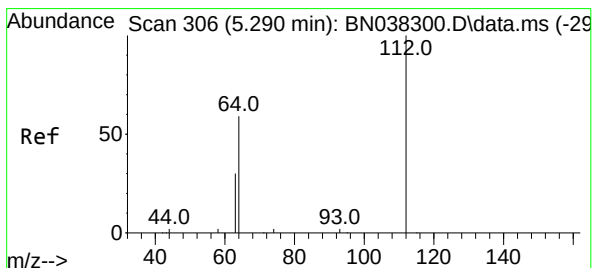
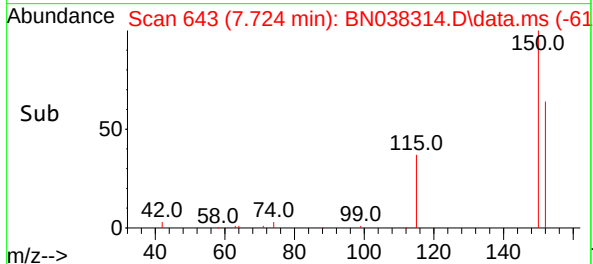
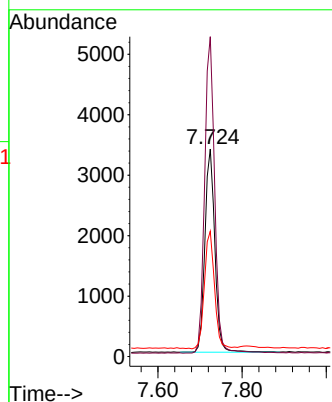


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

Instrument :  
BNA\_N  
ClientSampleId :  
MW-14B-46-120325

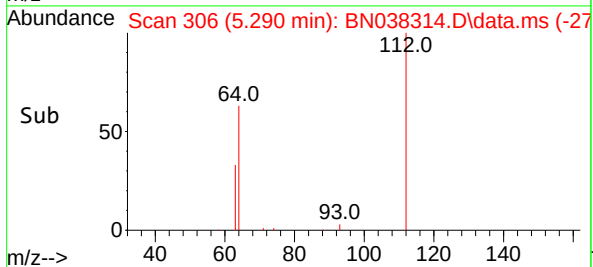
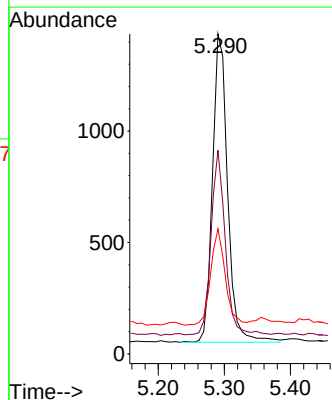
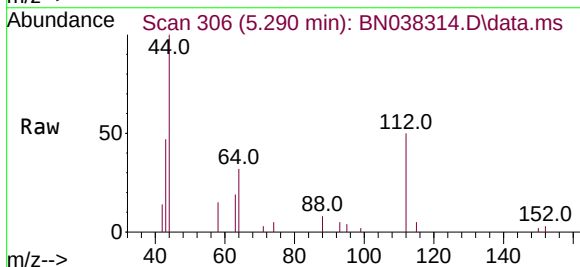


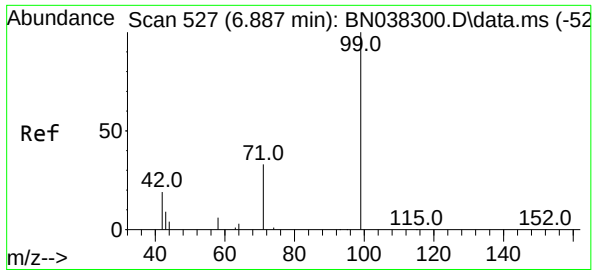
Tgt Ion:152 Resp: 5537  
Ion Ratio Lower Upper  
152 100  
150 154.2 122.4 183.6  
115 60.4 47.3 70.9



#4  
2-Fluorophenol  
Concen: 0.160 ng  
RT: 5.290 min Scan# 306  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

Tgt Ion:112 Resp: 2203  
Ion Ratio Lower Upper  
112 100  
64 56.1 44.4 66.6  
63 30.3 23.4 35.0



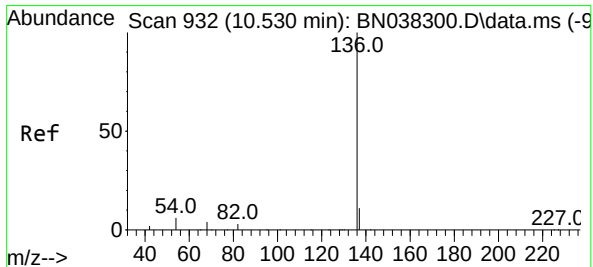
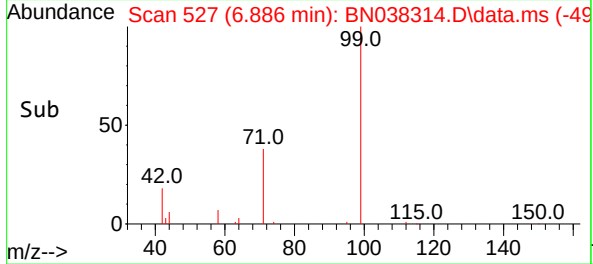
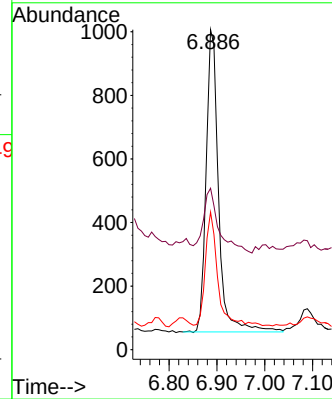
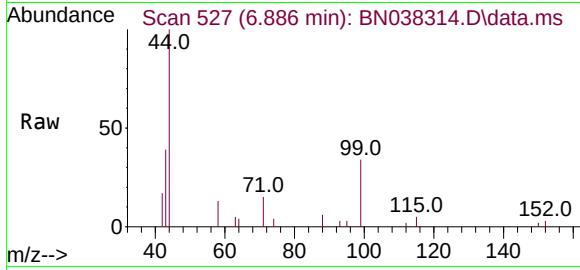


#5  
Phenol-d6  
Concen: 0.104 ng  
RT: 6.886 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

Instrument :  
BNA\_N  
ClientSampleId :  
MW-14B-46-120325

Tgt Ion: 99 Resp: 1708

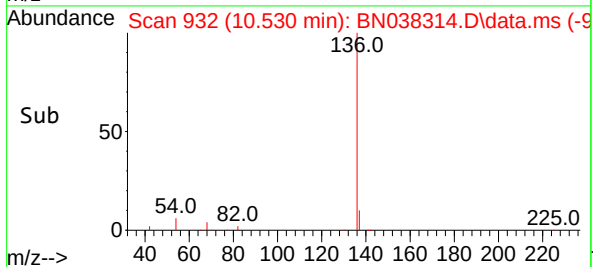
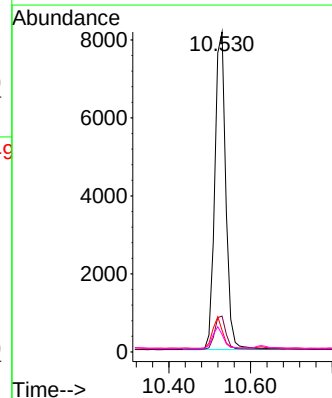
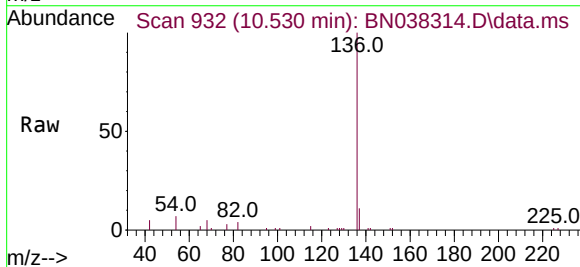
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 27.0  | 16.5  | 24.7# |
| 71  | 36.6  | 24.9  | 37.3  |

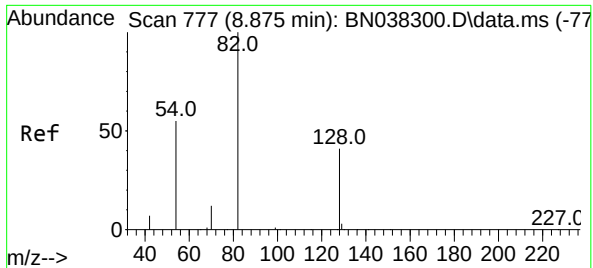


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

Tgt Ion: 136 Resp: 15261

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.1   | 13.7  |
| 54  | 6.8   | 5.2   | 7.8   |
| 68  | 5.4   | 4.1   | 6.1   |

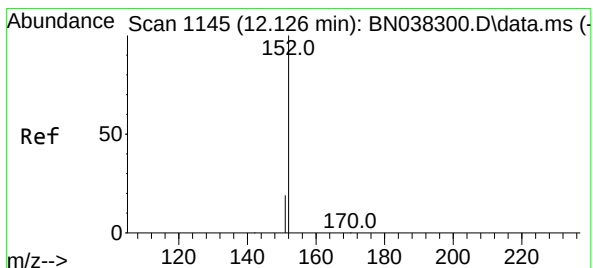
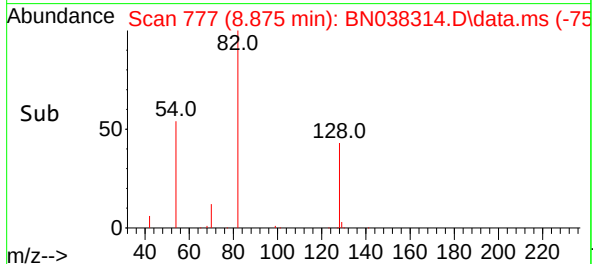
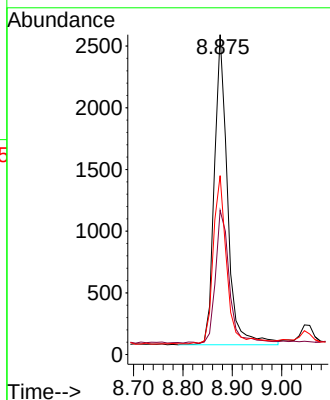
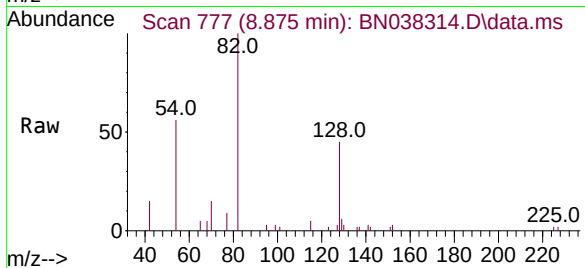




#8  
Nitrobenzene-d5  
Concen: 0.362 ng  
RT: 8.875 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

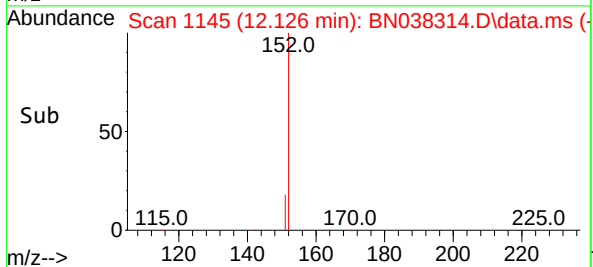
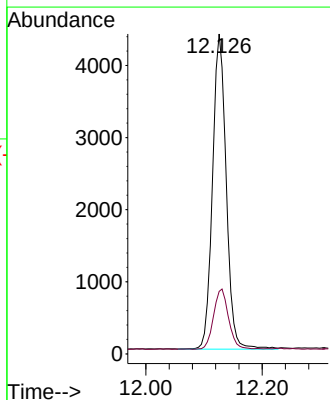
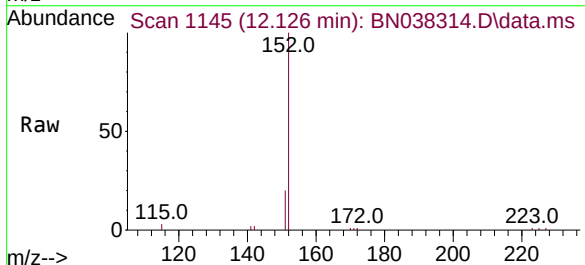
Instrument :  
BNA\_N  
ClientSampleId :  
MW-14B-46-120325

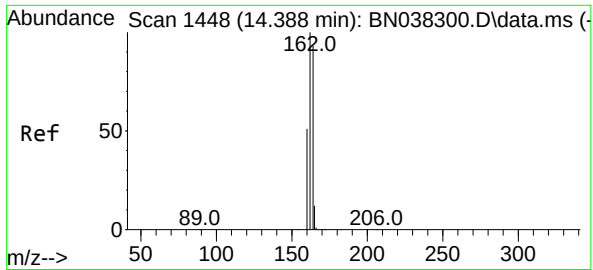
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4665  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 45.1  | 34.0  | 51.0  |
| 54       | 55.9  | 44.4  | 66.6  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.333 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 7173  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 21.1  | 17.0  | 25.6  |

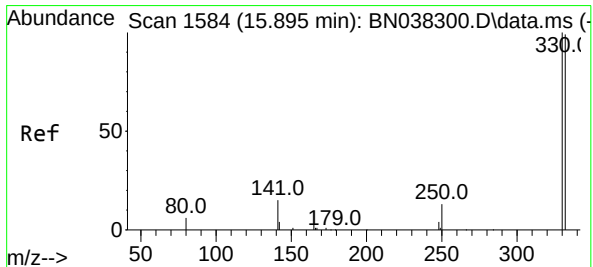
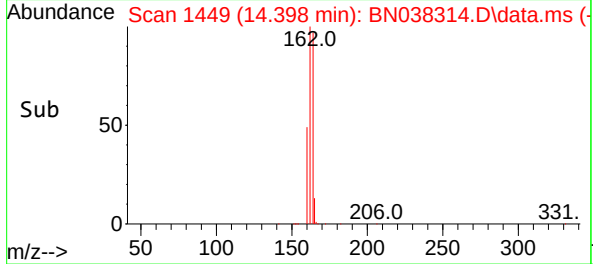
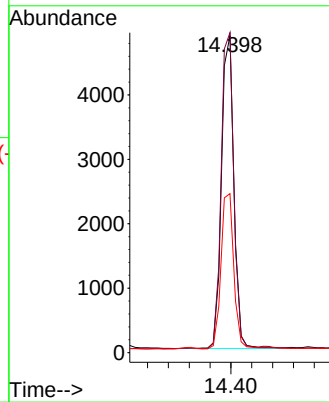
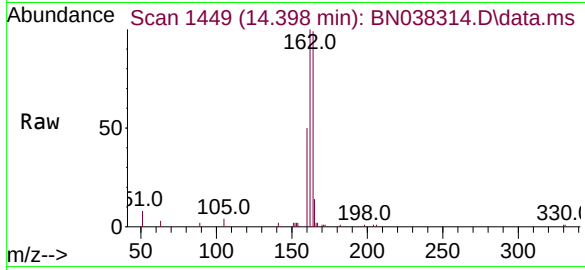




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.398 min Scan# 1449  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

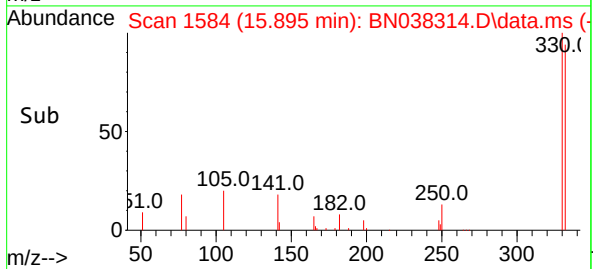
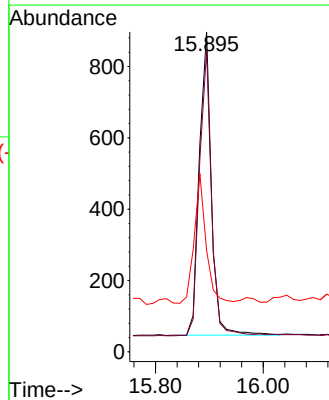
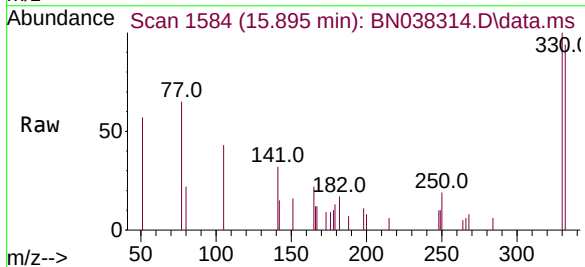
Instrument :  
BNA\_N  
ClientSampleId :  
MW-14B-46-120325

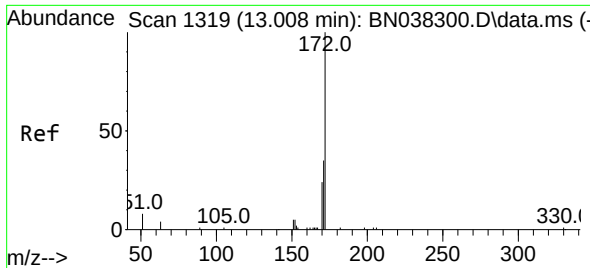
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 7974  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 101.0 | 86.2  | 129.4 |
| 160       | 50.2  | 44.6  | 67.0  |



#14  
2,4,6-Tribromophenol  
Concen: 0.373 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 1318  |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 94.6  | 75.8  | 113.6 |
| 141       | 42.4  | 31.8  | 47.8  |

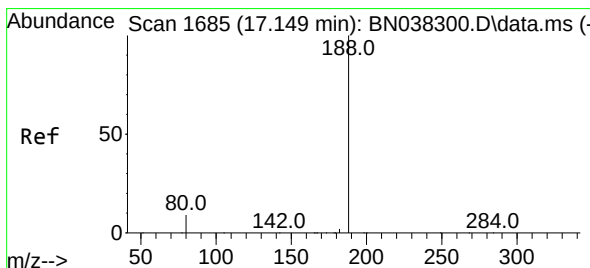
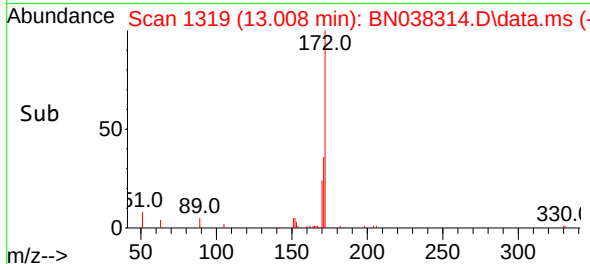
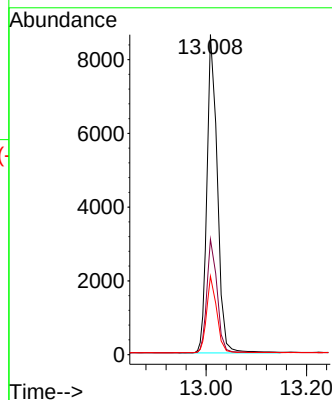
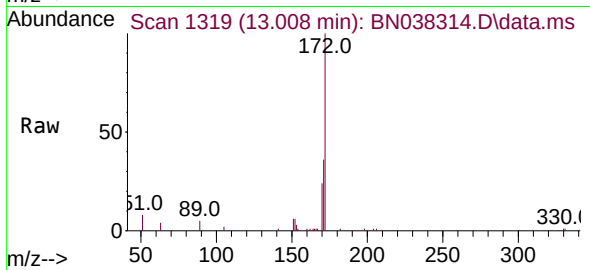




#15  
2-Fluorobiphenyl  
Concen: 0.336 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

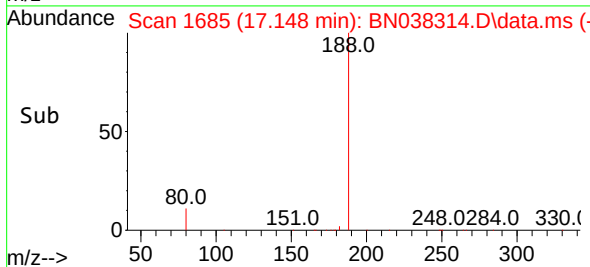
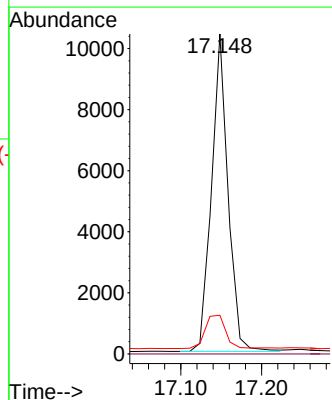
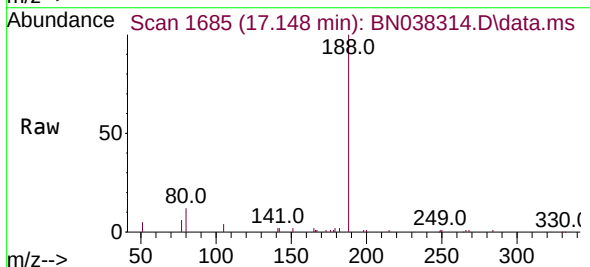
Instrument :  
BNA\_N  
ClientSampleId :  
MW-14B-46-120325

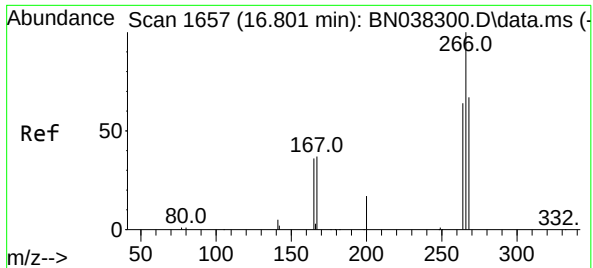
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 12904 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 36.0  | 28.6  | 42.8  |
| 170       | 24.5  | 19.3  | 28.9  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.148 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 14786 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 12.1  | 7.4   | 11.0  |

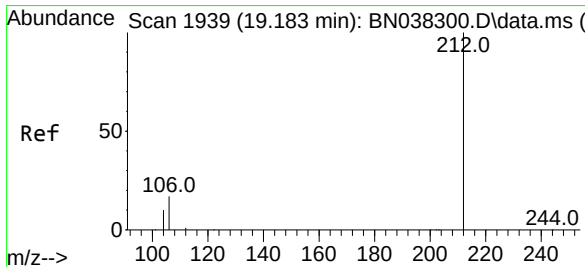
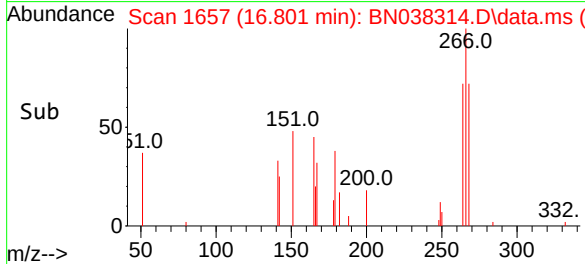
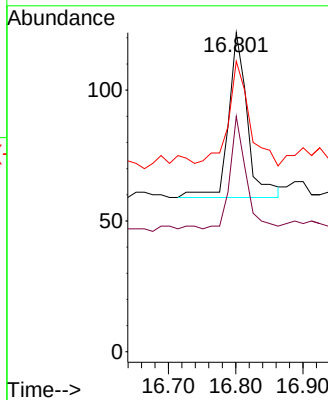
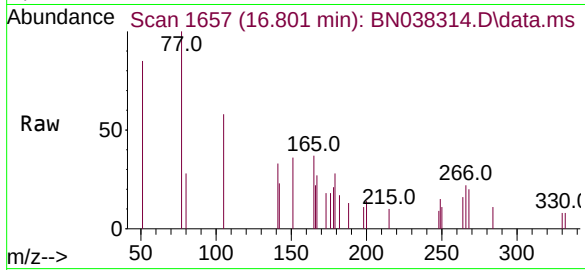




#24  
Pentachlorophenol  
Concen: 0.024 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

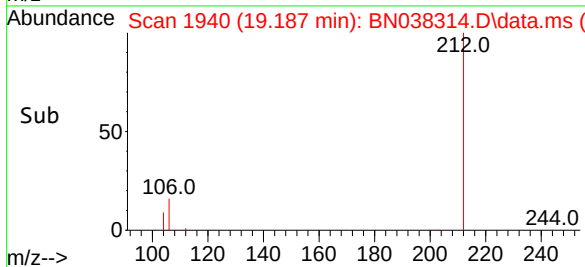
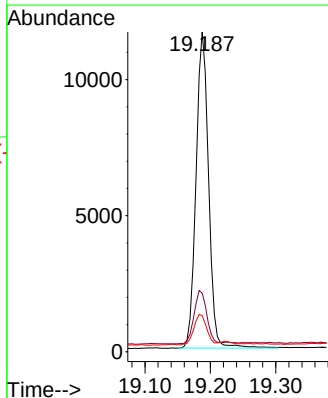
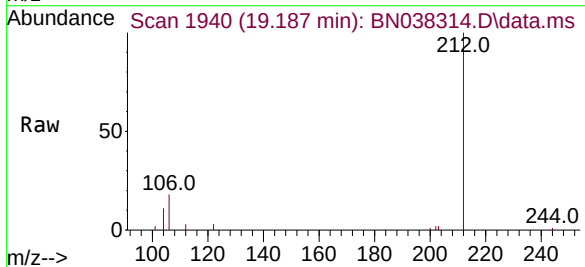
Instrument :  
BNA\_N  
ClientSampleId :  
MW-14B-46-120325

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 122  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 58.2  | 50.2  | 75.2 |
| 268       | 72.1  | 52.6  | 78.8 |

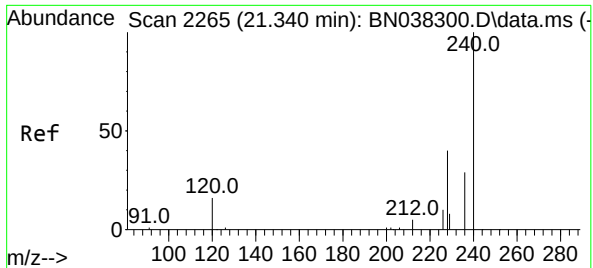


#27  
Fluoranthene-d10  
Concen: 0.424 ng  
RT: 19.187 min Scan# 1940  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 15499 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 17.1  | 13.7  | 20.5  |
| 104       | 9.7   | 7.8   | 11.8  |

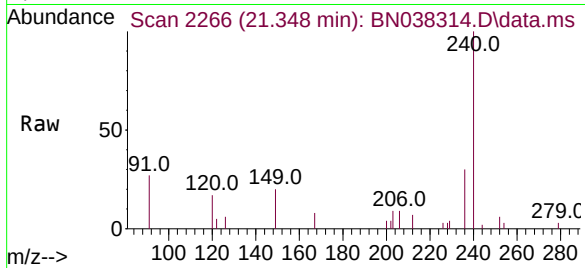




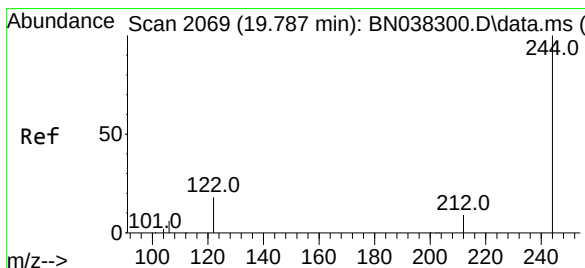
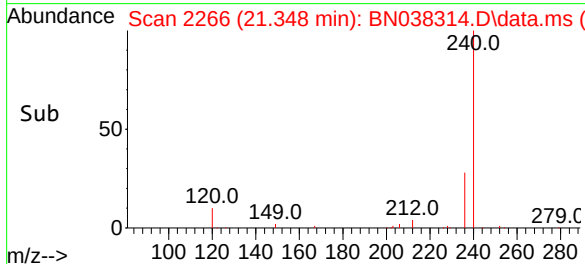
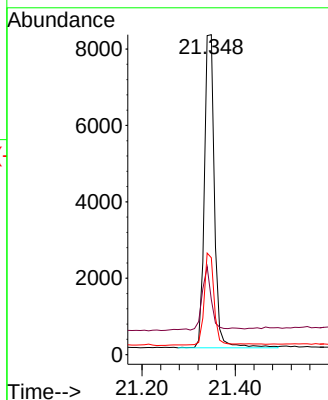


#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.348 min Scan# 21  
Delta R.T. 0.009 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

Instrument :  
BNA\_N  
ClientSampleId :  
MW-14B-46-120325

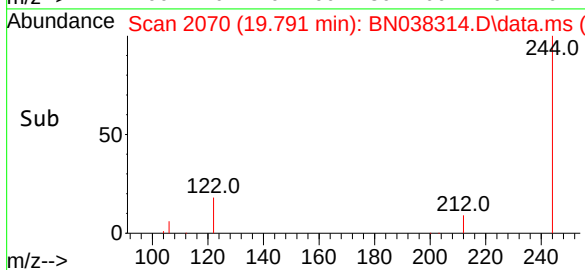
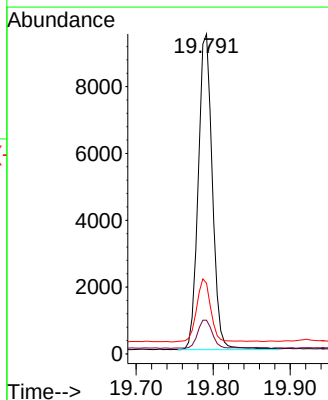
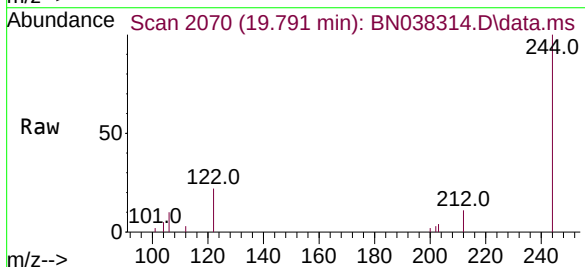


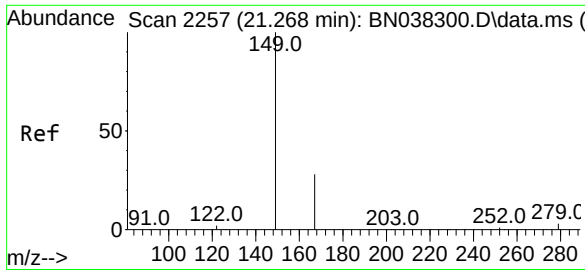
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 17.2  | 15.4  | 23.2  |
| 236     | 30.3  | 23.9  | 35.9  |



#31  
Terphenyl-d14  
Concen: 0.436 ng  
RT: 19.791 min Scan# 2070  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.5  | 7.9   | 11.9  |
| 122     | 22.1  | 15.0  | 22.6  |

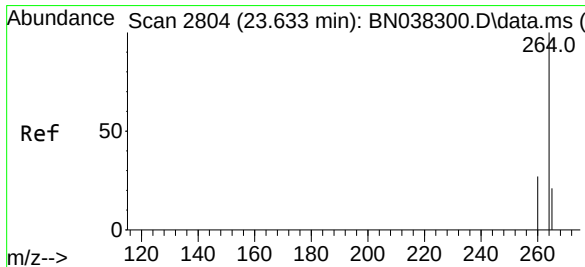
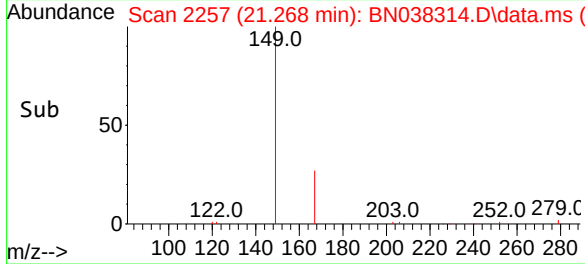
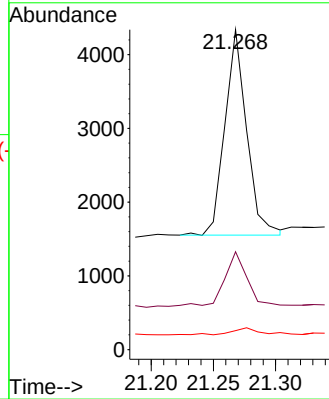
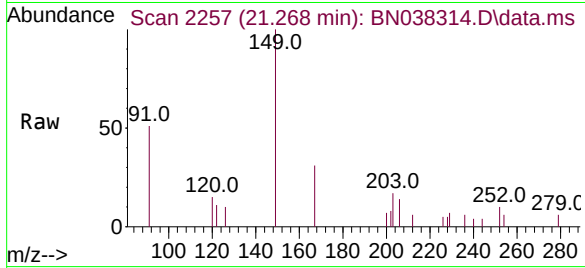




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.130 ng  
RT: 21.268 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

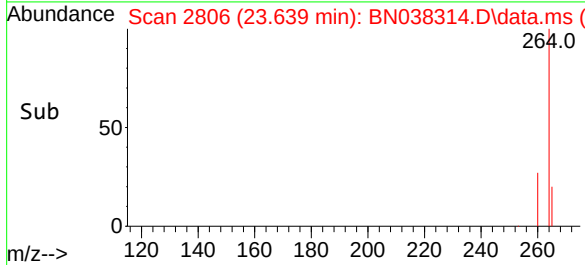
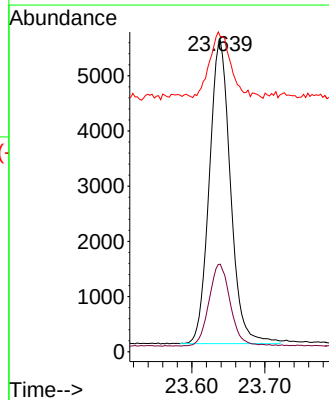
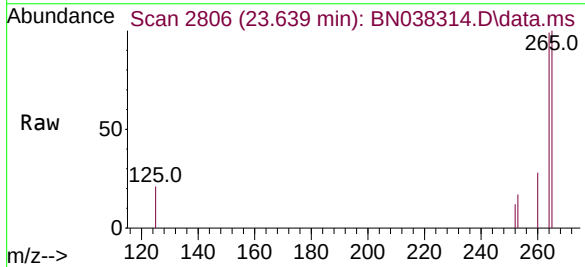
Instrument :  
BNA\_N  
ClientSampleId :  
MW-14B-46-120325

Tgt Ion:149 Resp: 3399  
Ion Ratio Lower Upper  
149 100  
167 25.3 21.4 32.0  
279 4.1 2.4 3.6#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.639 min Scan# 2806  
Delta R.T. 0.006 min  
Lab File: BN038314.D  
Acq: 11 Dec 2025 13:01

Tgt Ion:264 Resp: 11109  
Ion Ratio Lower Upper  
264 100  
260 28.2 22.2 33.2  
265 101.4 80.2 120.2



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
 Data File : BN038315.D  
 Acq On : 11 Dec 2025 13:38  
 Operator : RC/JU  
 Sample : Q3757-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RMW-05B-90.5-120325

Quant Time: Dec 11 14:01:37 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

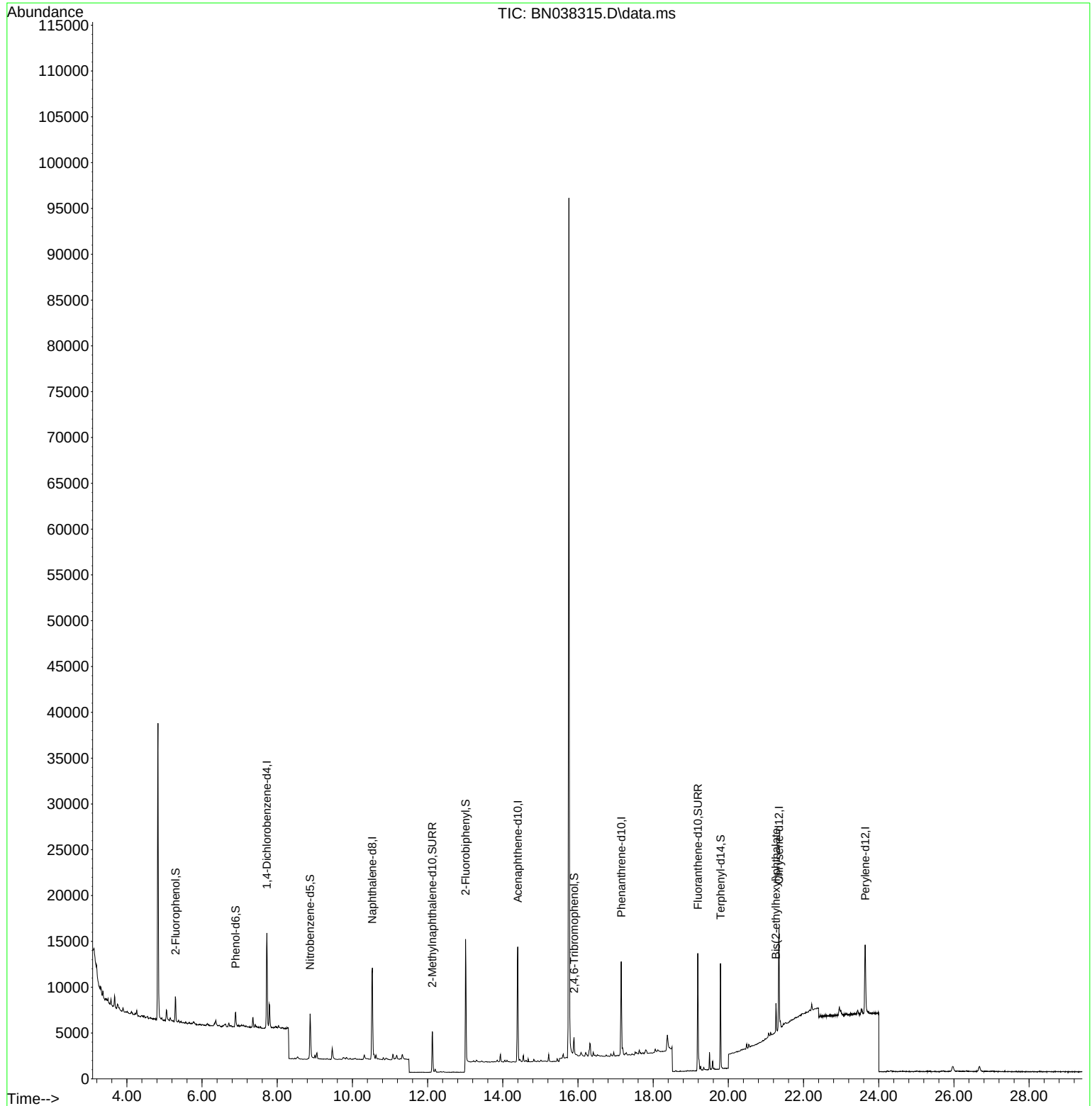
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-------|-------|-----------|
| -----                         |        |      |          |       |       |           |
| Internal Standards            |        |      |          |       |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 5204     | 0.400 | ng    | 0.00      |
| 7) Naphthalene-d8             | 10.530 | 136  | 14267    | 0.400 | ng    | 0.00      |
| 13) Acenaphthene-d10          | 14.398 | 164  | 7400     | 0.400 | ng    | 0.00      |
| 19) Phenanthrene-d10          | 17.148 | 188  | 13201    | 0.400 | ng    | # 0.00    |
| 29) Chrysene-d12              | 21.348 | 240  | 10541    | 0.400 | ng    | # 0.00    |
| 35) Perylene-d12              | 23.639 | 264  | 10399    | 0.400 | ng    | 0.00      |
| System Monitoring Compounds   |        |      |          |       |       |           |
| 4) 2-Fluorophenol             | 5.298  | 112  | 2204     | 0.170 | ng    | 0.00      |
| 5) Phenol-d6                  | 6.894  | 99   | 1618     | 0.105 | ng    | 0.00      |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 4325     | 0.359 | ng    | 0.00      |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 6402     | 0.318 | ng    | 0.00      |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 1125     | 0.343 | ng    | 0.00      |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 11927    | 0.335 | ng    | 0.00      |
| 27) Fluoranthene-d10          | 19.187 | 212  | 13868    | 0.425 | ng    | 0.00      |
| 31) Terphenyl-d14             | 19.791 | 244  | 10707    | 0.455 | ng    | 0.00      |
| Target Compounds              |        |      |          |       |       |           |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 3011     | 0.135 | ng    | Qvalue 99 |
| -----                         |        |      |          |       |       |           |

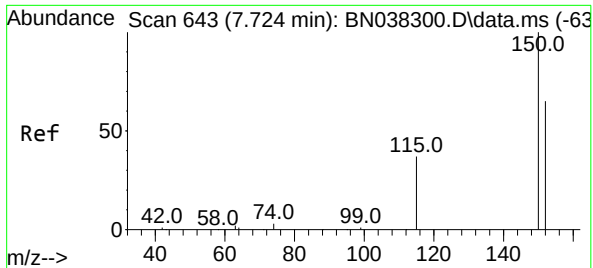
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
Data File : BN038315.D  
Acq On : 11 Dec 2025 13:38  
Operator : RC/JU  
Sample : Q3757-07  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RMW-05B-90.5-120325

Quant Time: Dec 11 14:01:37 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

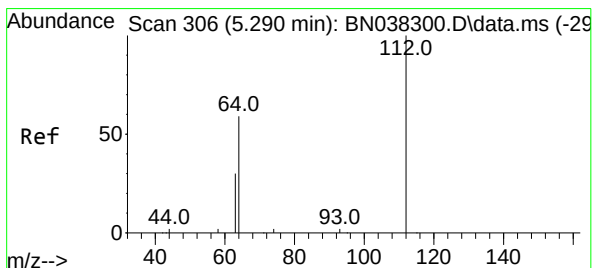
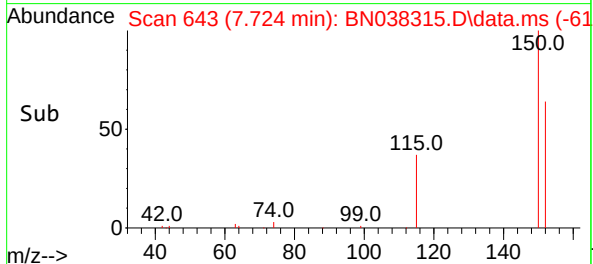
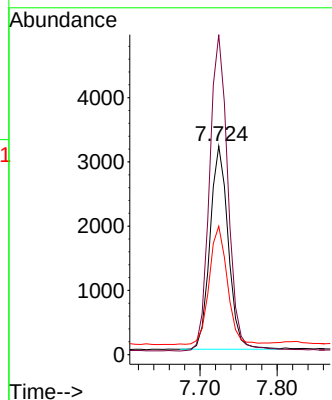
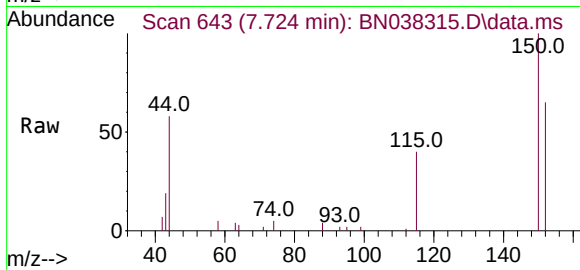




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

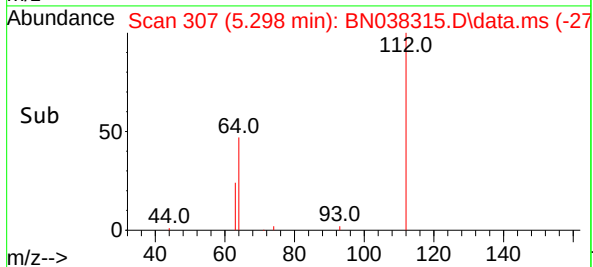
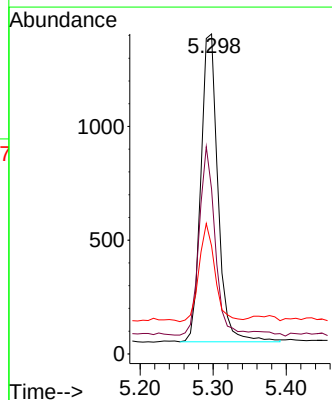
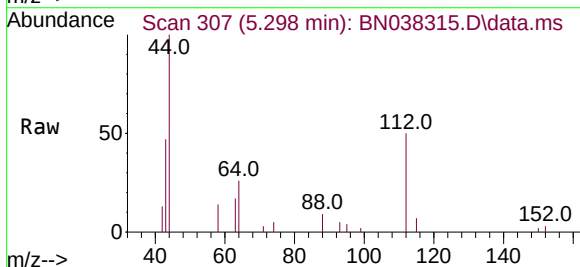
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-05B-90.5-120325

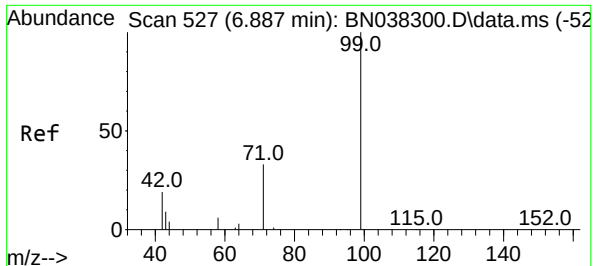
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.4 | 122.4 | 183.6 |
| 115     | 61.6  | 47.3  | 70.9  |



#4  
2-Fluorophenol  
Concen: 0.170 ng  
RT: 5.298 min Scan# 307  
Delta R.T. 0.007 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.3  | 44.4  | 66.6  |
| 63      | 29.6  | 23.4  | 35.0  |



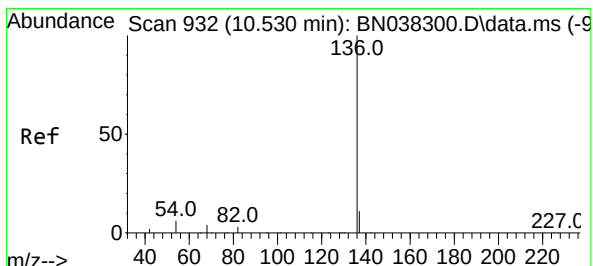
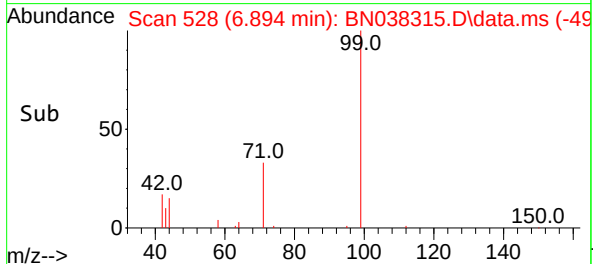
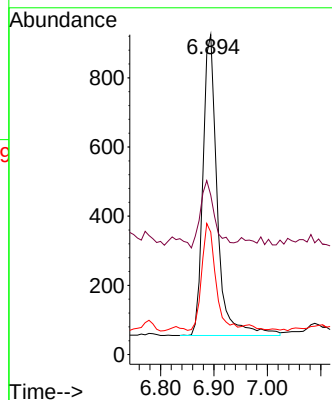
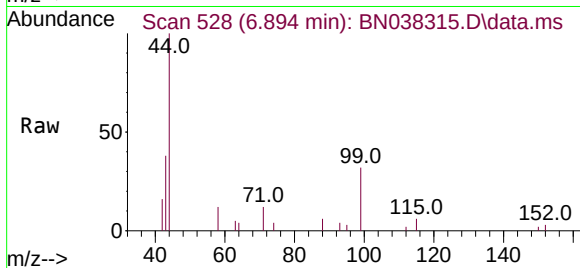


#5  
Phenol-d6  
Concen: 0.105 ng  
RT: 6.894 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

Instrument :  
BNA\_N  
ClientSampleId :  
RMW-05B-90.5-120325

Tgt Ion: 99 Resp: 1618

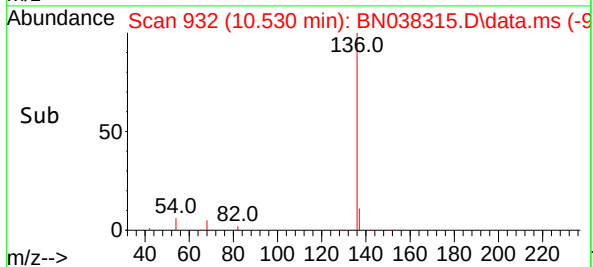
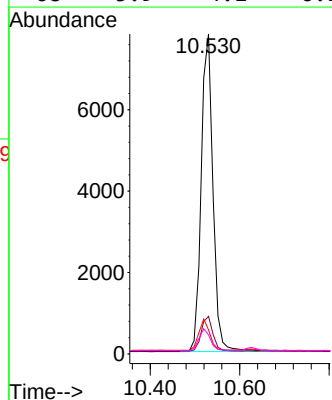
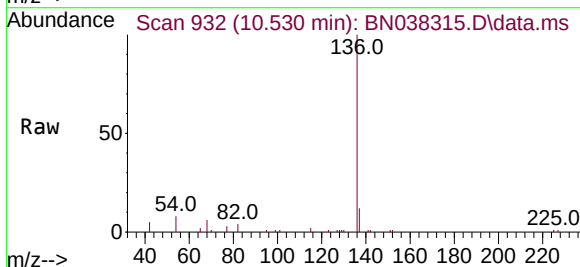
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.6  | 16.5  | 24.7  |
| 71  | 34.0  | 24.9  | 37.3  |

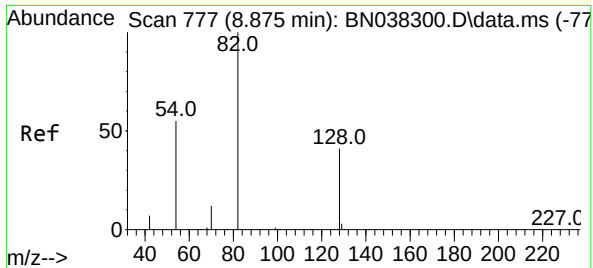


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

Tgt Ion: 136 Resp: 14267

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.7  | 9.1   | 13.7  |
| 54  | 7.5   | 5.2   | 7.8   |
| 68  | 5.9   | 4.1   | 6.1   |

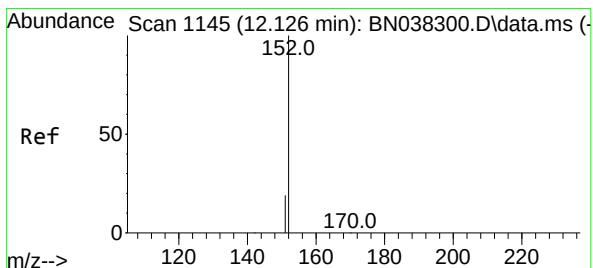
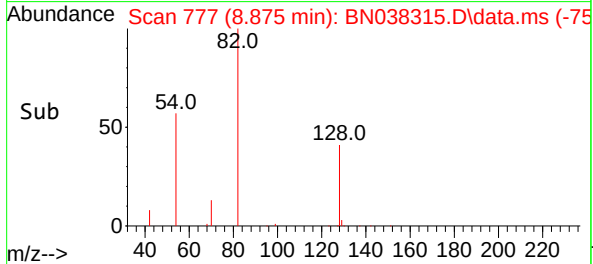
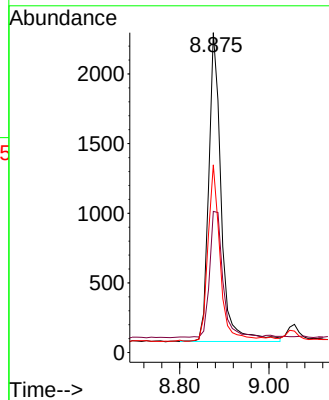
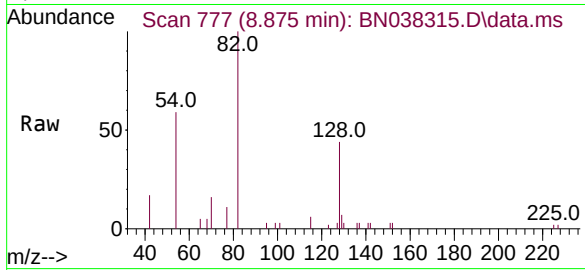




#8  
Nitrobenzene-d5  
Concen: 0.359 ng  
RT: 8.875 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

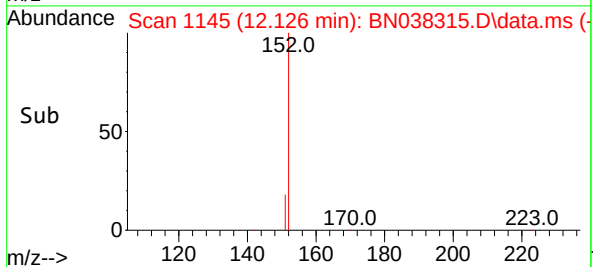
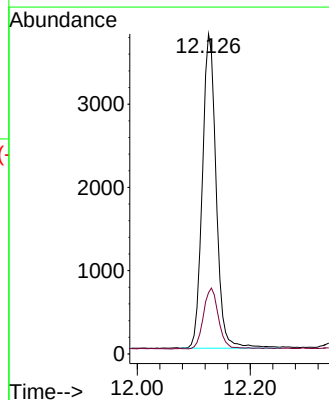
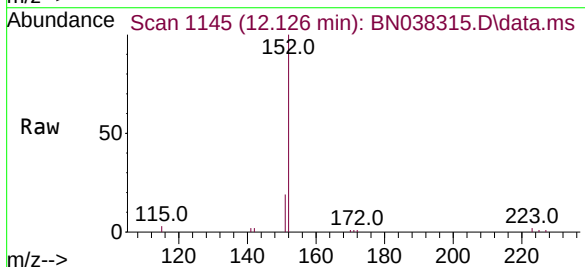
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-05B-90.5-120325

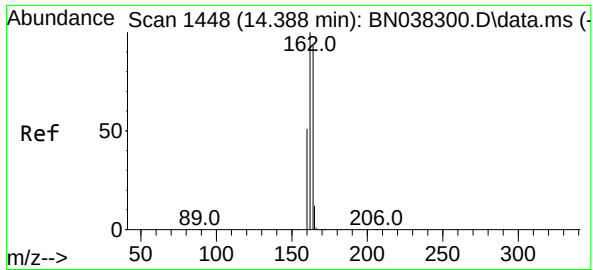
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4325  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 44.1  | 34.0  | 51.0  |
| 54       | 58.7  | 44.4  | 66.6  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.318 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 6402  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 21.1  | 17.0  | 25.6  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.398 min Scan# 1448

Delta R.T. -0.000 min

Lab File: BN038315.D

Acq: 11 Dec 2025 13:38

Instrument :

BNA\_N

ClientSampleId :

RMW-05B-90.5-120325

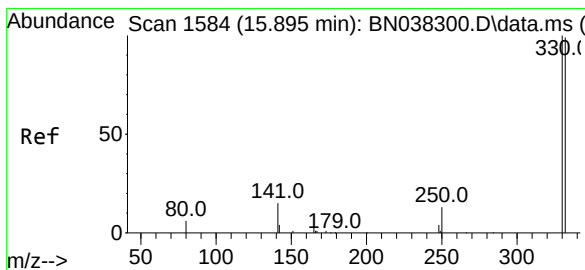
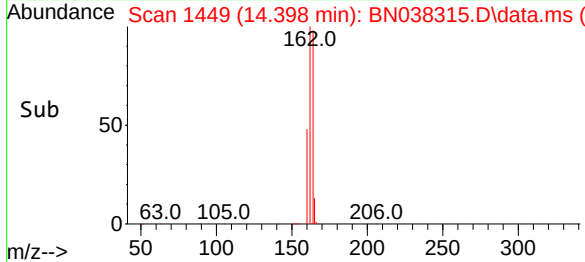
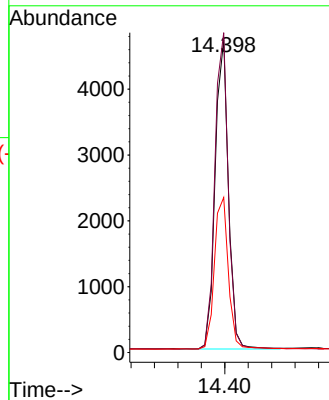
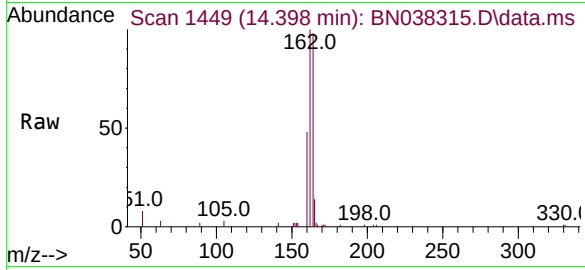
Tgt Ion:164 Resp: 7400

Ion Ratio Lower Upper

164 100

162 102.3 86.2 129.4

160 49.6 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.343 ng

RT: 15.895 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BN038315.D

Acq: 11 Dec 2025 13:38

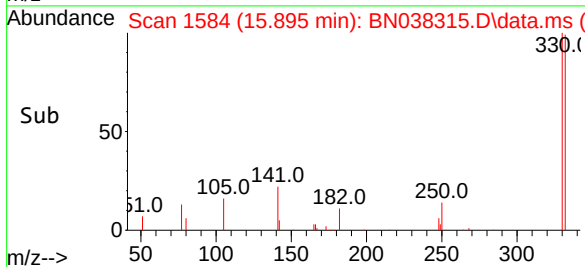
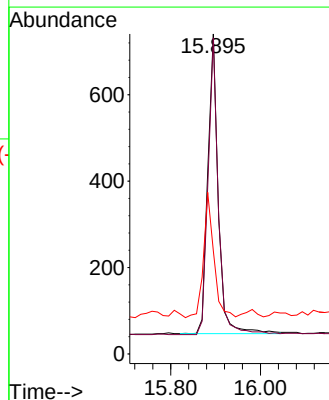
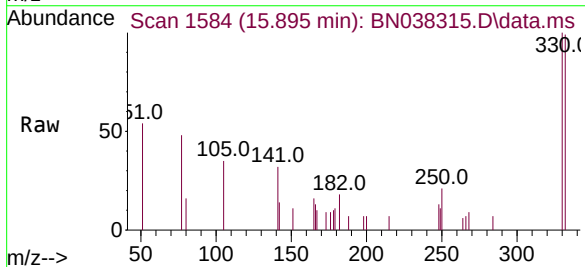
Tgt Ion:330 Resp: 1125

Ion Ratio Lower Upper

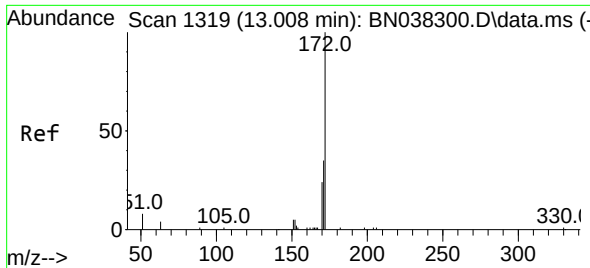
330 100

332 97.3 75.8 113.6

141 41.2 31.8 47.8



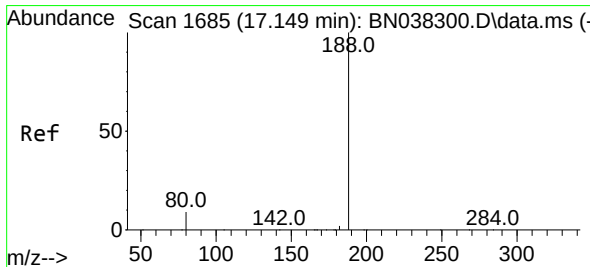
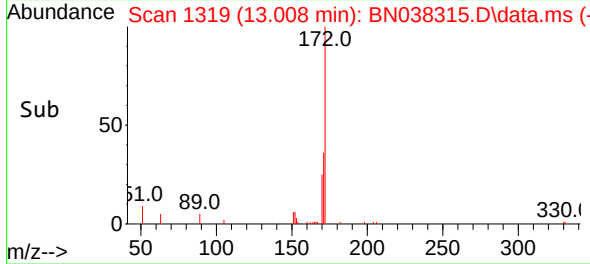
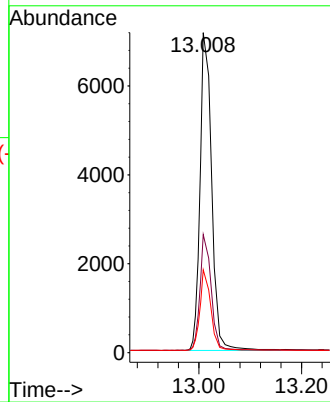
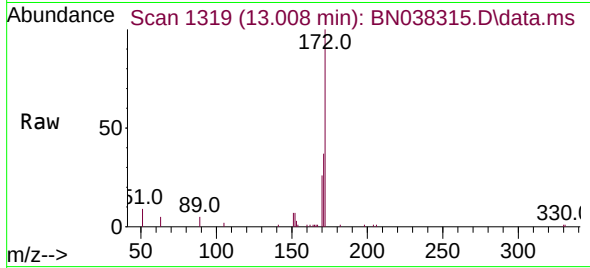




#15  
2-Fluorobiphenyl  
Concen: 0.335 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

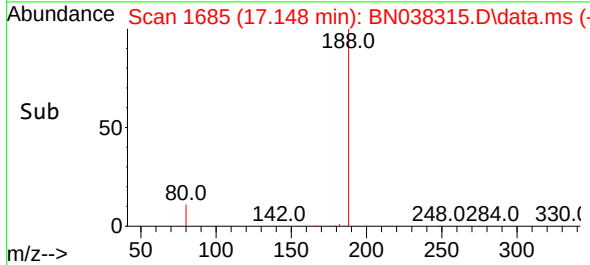
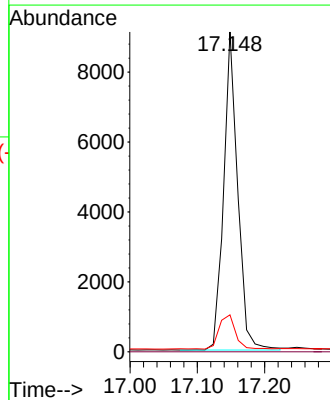
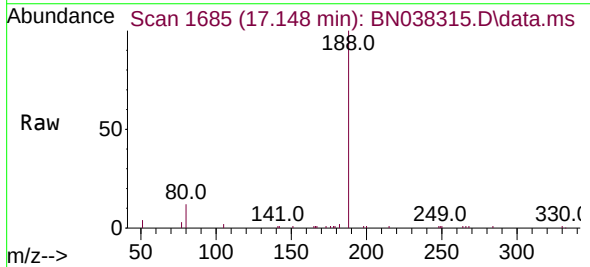
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-05B-90.5-120325

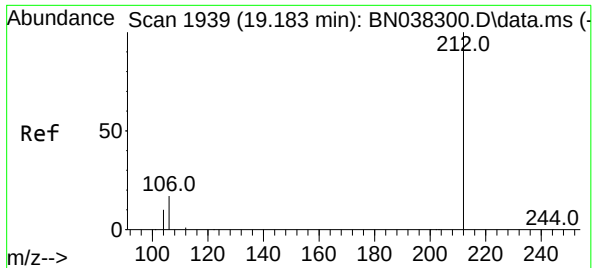
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 11927 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 36.9  | 28.6  | 42.8  |
| 170       | 25.9  | 19.3  | 28.9  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.148 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 13201 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 11.6  | 7.4   | 11.0  |

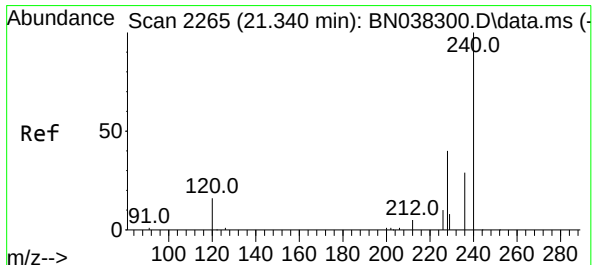
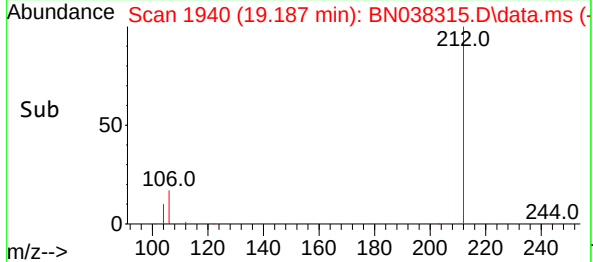
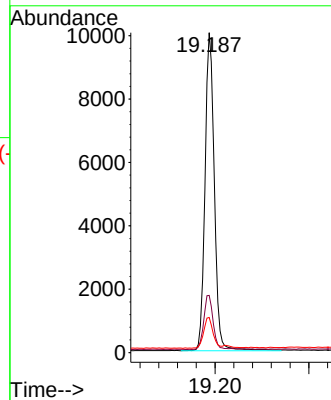
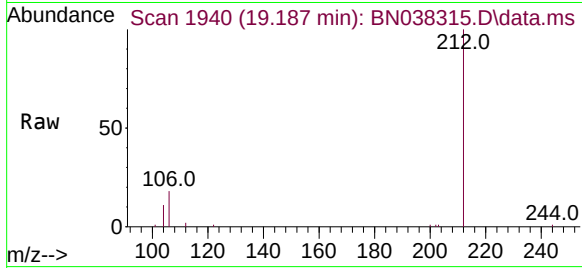




#27  
Fluoranthene-d10  
Concen: 0.425 ng  
RT: 19.187 min Scan# 1939  
Delta R.T. -0.000 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

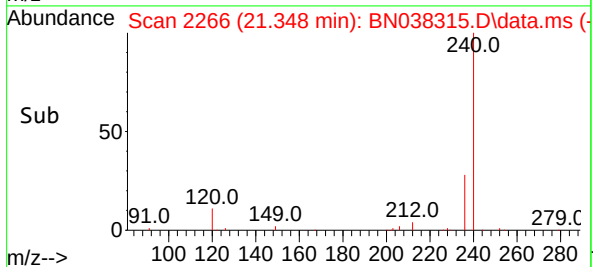
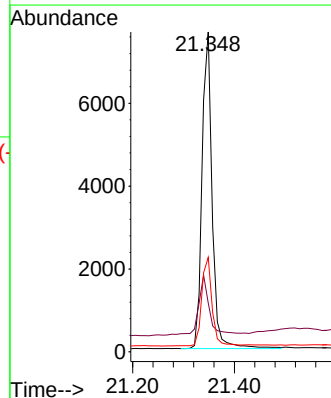
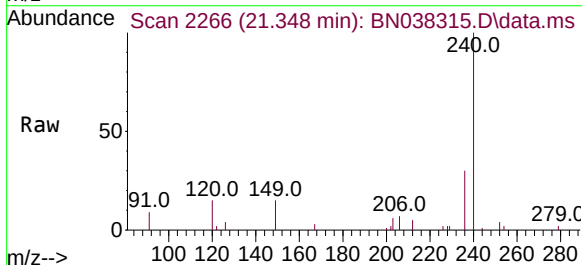
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-05B-90.5-120325

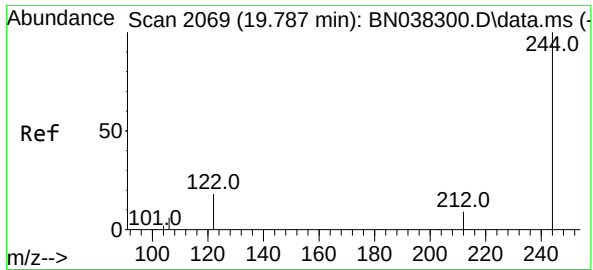
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 13868 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 17.2  | 13.7  | 20.5  |
| 104       | 9.6   | 7.8   | 11.8  |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.348 min Scan# 2266  
Delta R.T. 0.009 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 10541 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 15.3  | 15.4  | 23.2  |
| 236       | 29.5  | 23.9  | 35.9  |

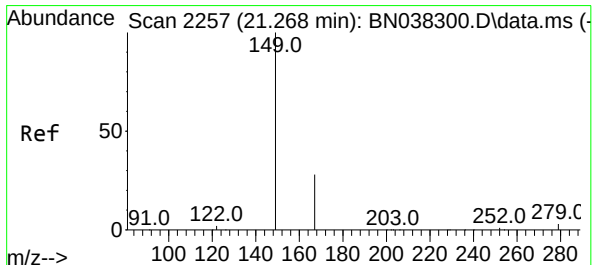
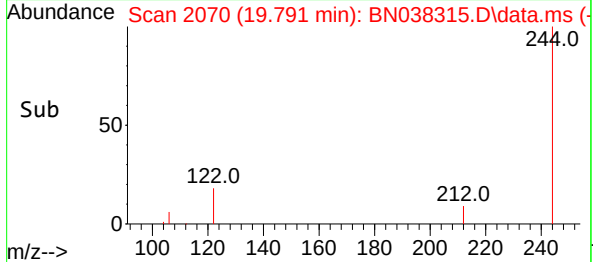
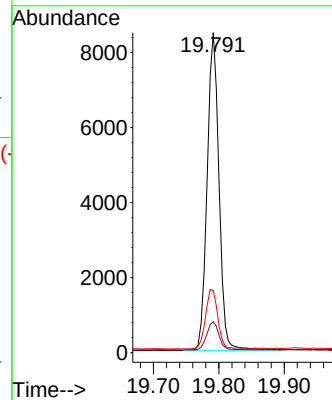
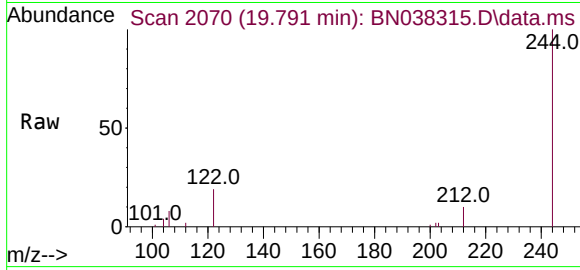




#31  
Terphenyl-d14  
Concen: 0.455 ng  
RT: 19.791 min Scan# 2069  
Delta R.T. -0.000 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

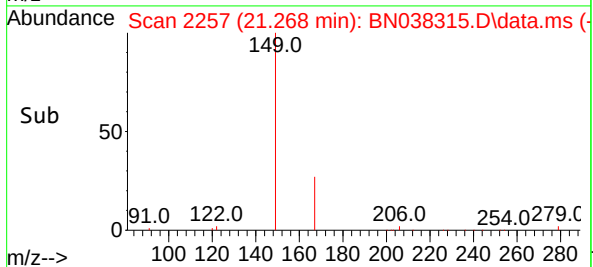
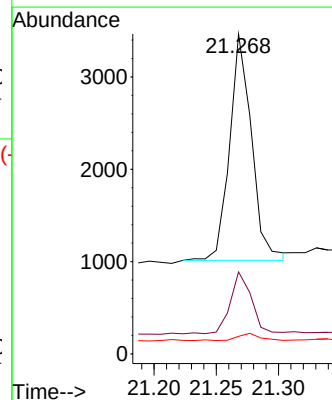
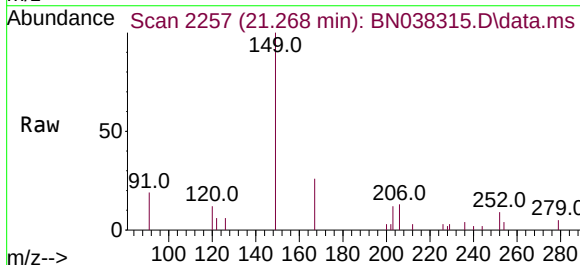
Instrument :  
BNA\_N  
ClientSampleId :  
RMW-05B-90.5-120325

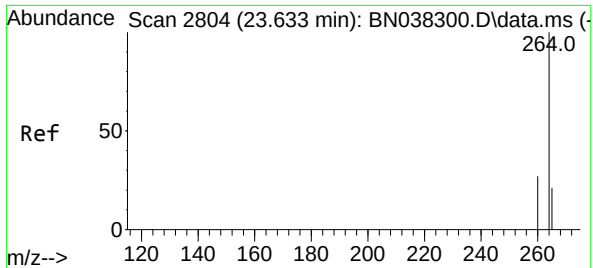
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.7   | 7.9   | 11.9  |
| 122     | 19.4  | 15.0  | 22.6  |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.135 ng  
RT: 21.268 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: BN038315.D  
Acq: 11 Dec 2025 13:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.2  | 21.4  | 32.0  |
| 279     | 3.3   | 2.4   | 3.6   |





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.639 min Scan# 2806

Delta R.T. 0.006 min

Lab File: BN038315.D

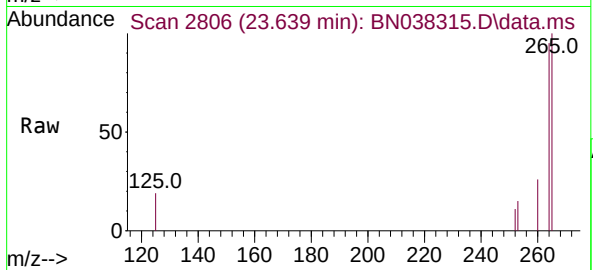
Acq: 11 Dec 2025 13:38

Instrument :

BNA\_N

ClientSampleId :

RMW-05B-90.5-120325



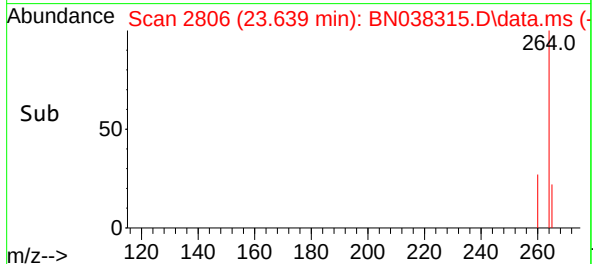
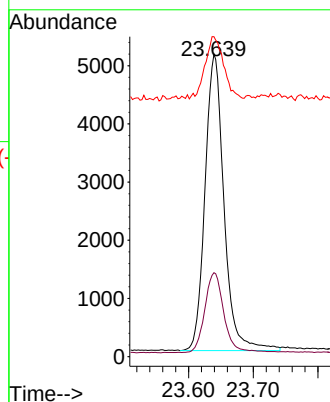
Tgt Ion:264 Resp: 10399

Ion Ratio Lower Upper

264 100

260 27.8 22.2 33.2

265 105.8 80.2 120.2



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
 Data File : BN038316.D  
 Acq On : 11 Dec 2025 14:14  
 Operator : RC/JU  
 Sample : Q3757-09  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 OW-05B-72-120325

Quant Time: Dec 11 14:38:42 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

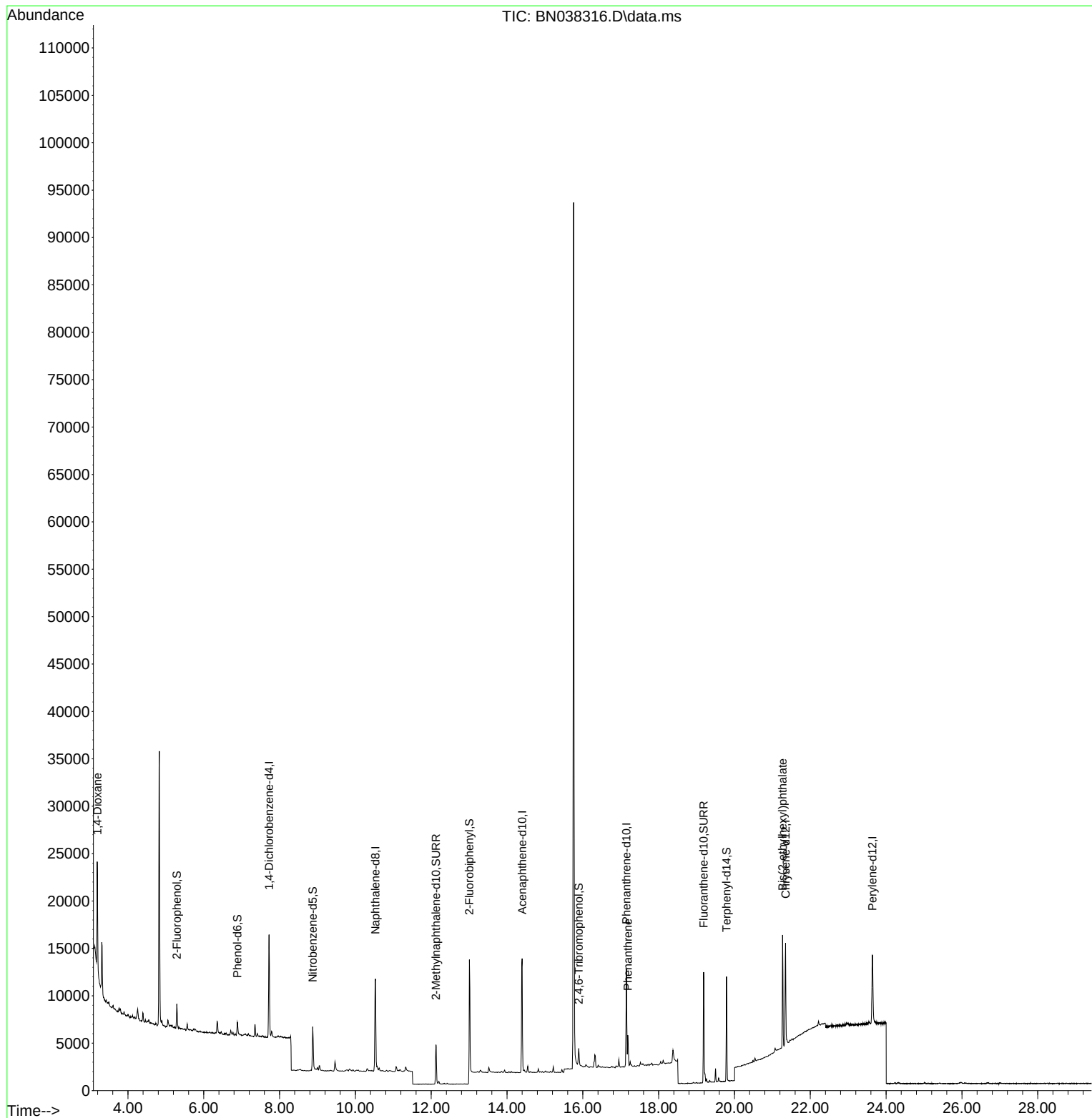
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 5450     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.530 | 136  | 14372    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.398 | 164  | 7355     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.148 | 188  | 13319    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.349 | 240  | 10405    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.639 | 264  | 10487    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 2065     | 0.152 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.887  | 99   | 1378     | 0.085 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 4144     | 0.342 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 5838     | 0.288 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 1043     | 0.320 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 10746    | 0.303 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.187 | 212  | 12740    | 0.387 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.791 | 244  | 10158    | 0.437 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.196  | 88   | 6694     | 1.071 | ng    | # 93     |
| 25) Phenanthrene              | 17.186 | 178  | 3533     | 0.076 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 10515    | 0.477 | ng    | 100      |
| -----                         |        |      |          |       |       |          |

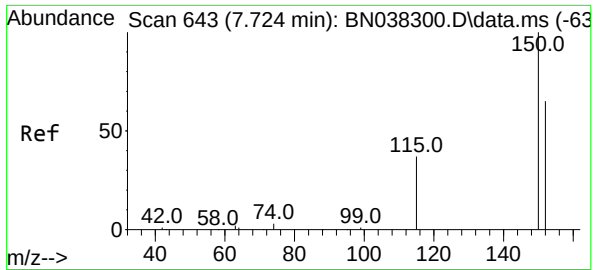
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
Data File : BN038316.D  
Acq On : 11 Dec 2025 14:14  
Operator : RC/JU  
Sample : Q3757-09  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
OW-05B-72-120325

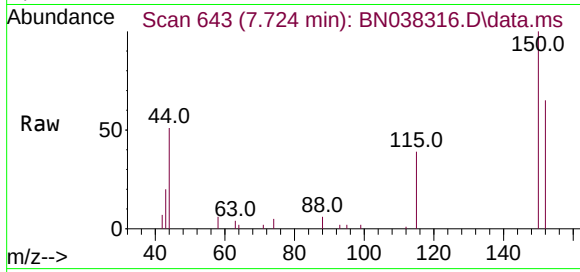
Quant Time: Dec 11 14:38:42 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration



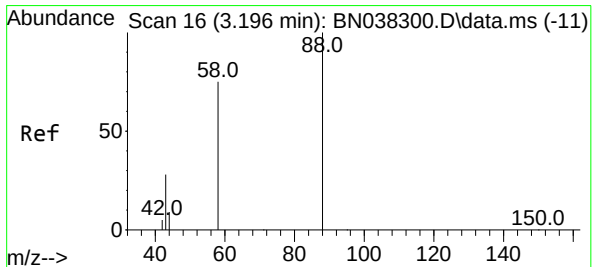
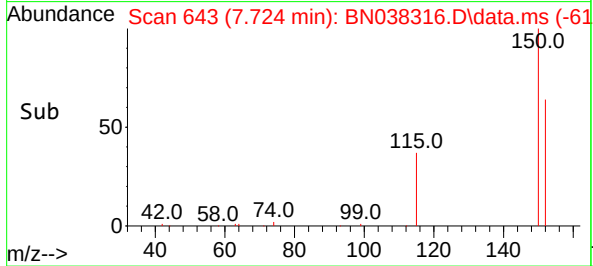
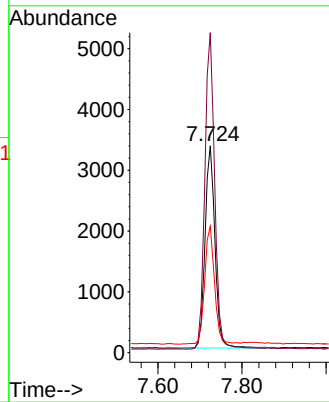


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

Instrument :  
BNA\_N  
ClientSampleId :  
OW-05B-72-120325

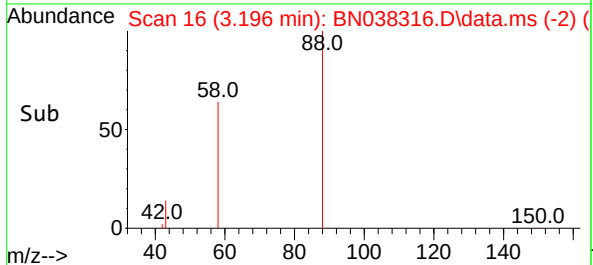
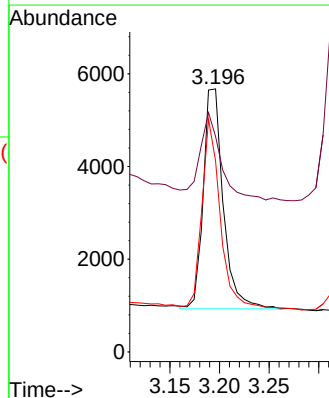
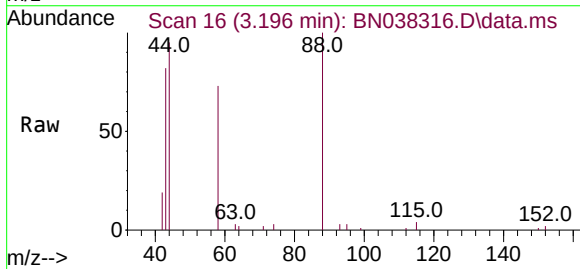


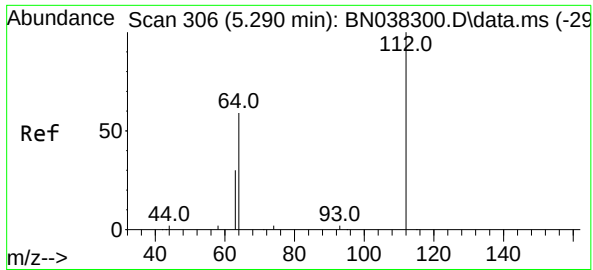
Tgt Ion:152 Resp: 5450  
Ion Ratio Lower Upper  
152 100  
150 154.8 122.4 183.6  
115 61.1 47.3 70.9



#2  
1,4-Dioxane  
Concen: 1.071 ng  
RT: 3.196 min Scan# 16  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

Tgt Ion: 88 Resp: 6694  
Ion Ratio Lower Upper  
88 100  
43 43.1 24.9 37.3#  
58 77.8 61.4 92.0

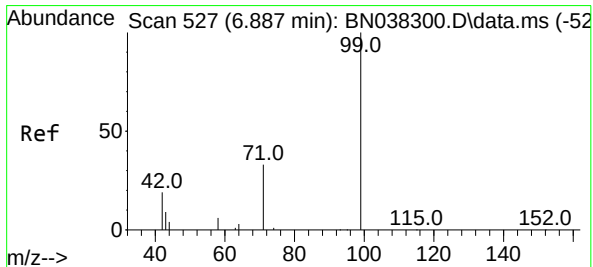
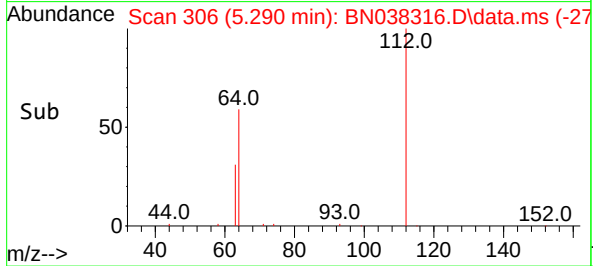
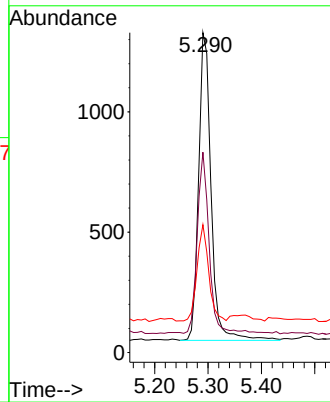
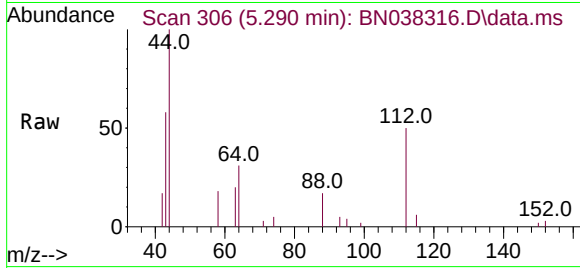




#4  
2-Fluorophenol  
Concen: 0.152 ng  
RT: 5.290 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

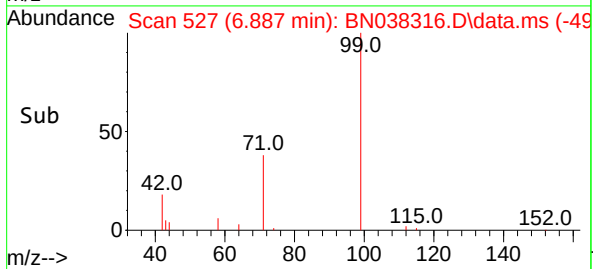
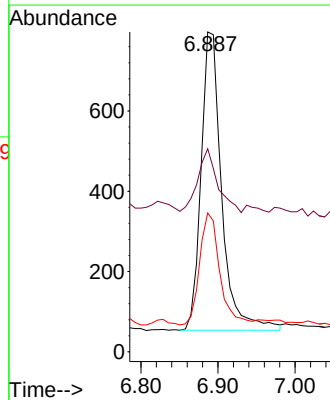
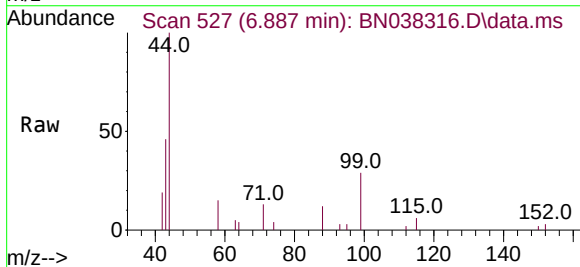
Instrument :  
BNA\_N  
ClientSampleId :  
OW-05B-72-120325

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 2065  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 55.9  | 44.4  | 66.6  |
| 63       | 29.0  | 23.4  | 35.0  |

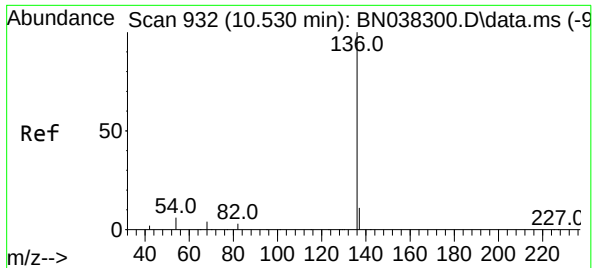


#5  
Phenol-d6  
Concen: 0.085 ng  
RT: 6.887 min Scan# 527  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1378  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 20.7  | 16.5  | 24.7  |
| 71       | 36.7  | 24.9  | 37.3  |



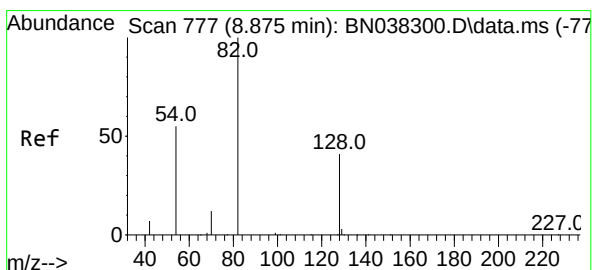
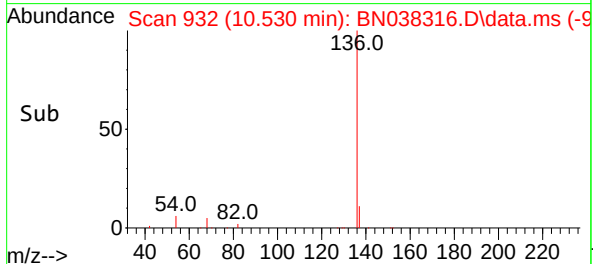
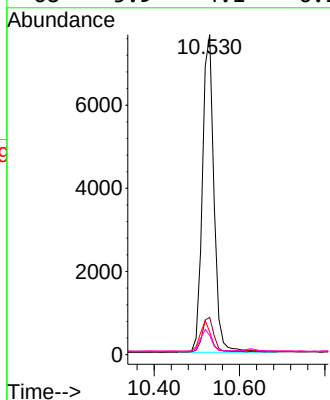
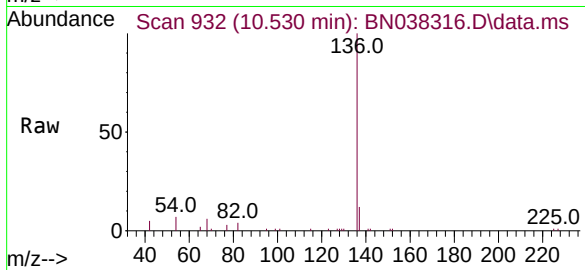




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

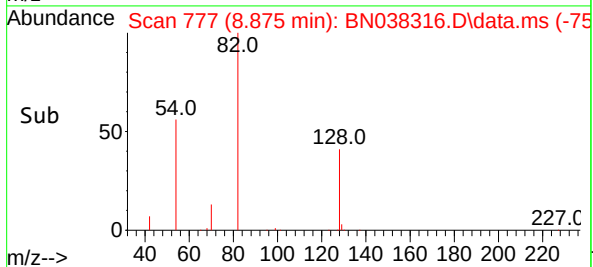
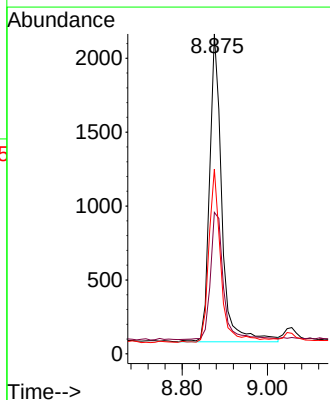
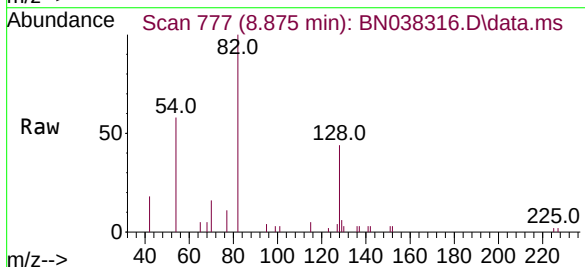
Instrument :  
BNA\_N  
ClientSampleId :  
OW-05B-72-120325

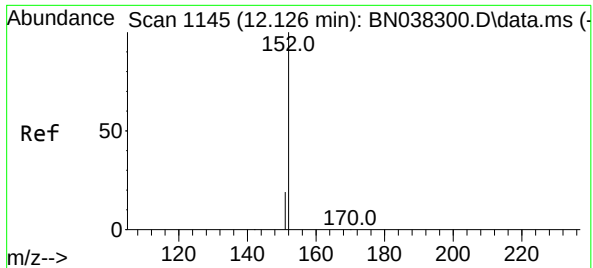
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 14372 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.6  | 9.1   | 13.7  |
| 54       | 7.1   | 5.2   | 7.8   |
| 68       | 5.9   | 4.1   | 6.1   |



#8  
Nitrobenzene-d5  
Concen: 0.342 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4144  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 44.2  | 34.0  | 51.0  |
| 54       | 57.7  | 44.4  | 66.6  |

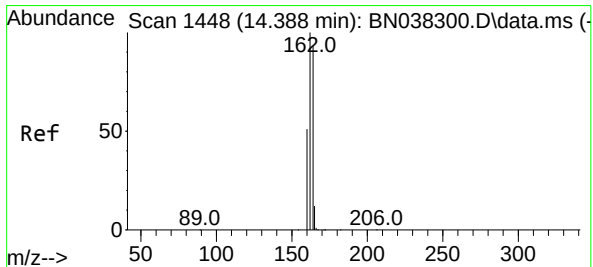
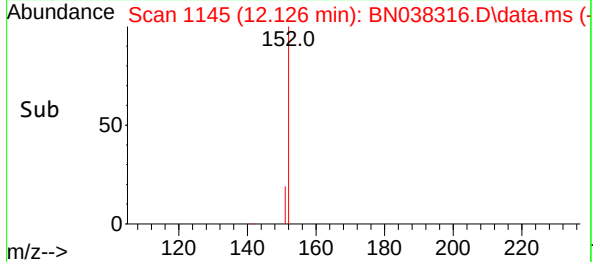
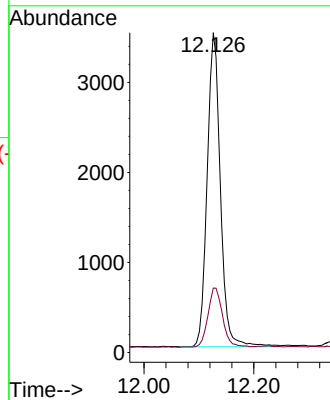
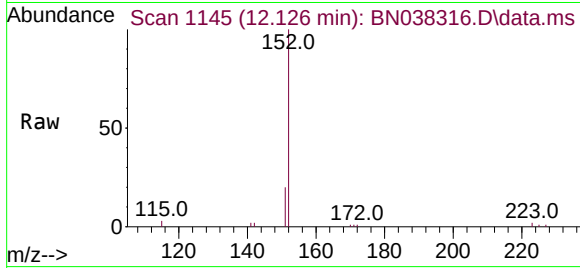




#11  
2-Methylnaphthalene-d10  
Concen: 0.288 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

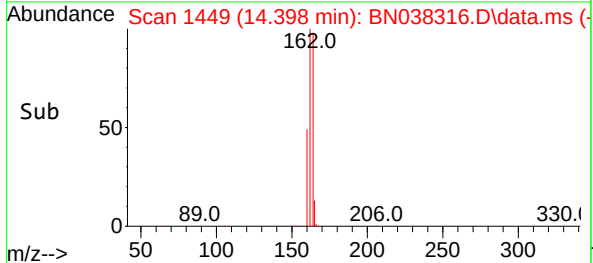
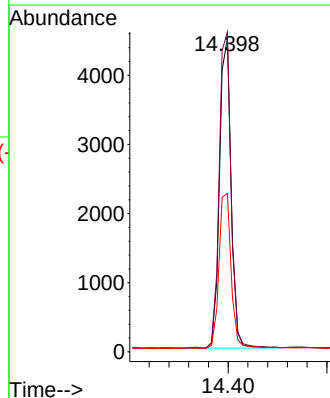
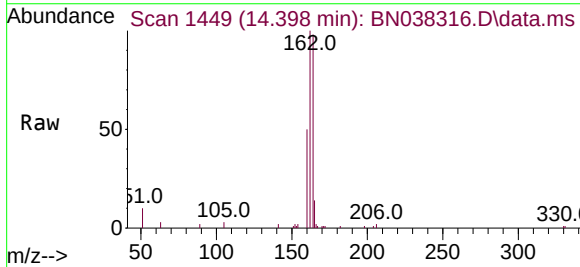
Instrument :  
BNA\_N  
ClientSampleId :  
OW-05B-72-120325

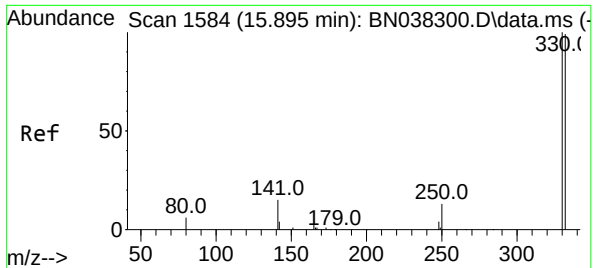
Tgt Ion:152 Resp: 5838  
Ion Ratio Lower Upper  
152 100  
151 20.8 17.0 25.6



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.398 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

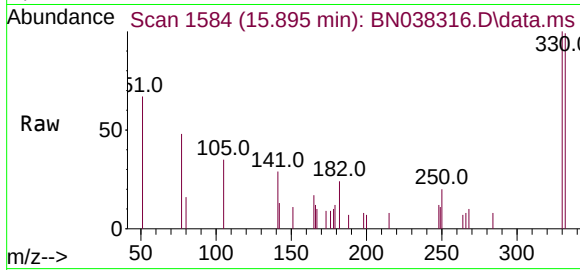
Tgt Ion:164 Resp: 7355  
Ion Ratio Lower Upper  
164 100  
162 102.1 86.2 129.4  
160 50.6 44.6 67.0



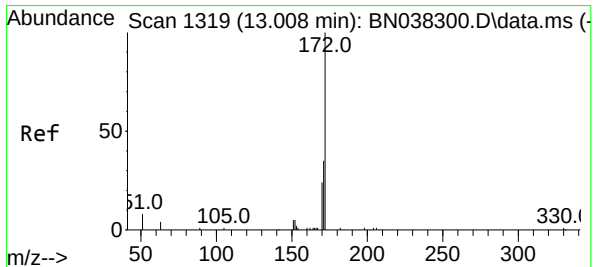
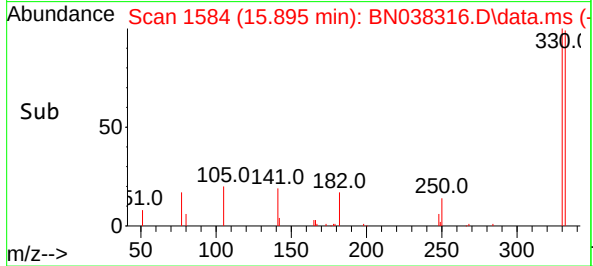
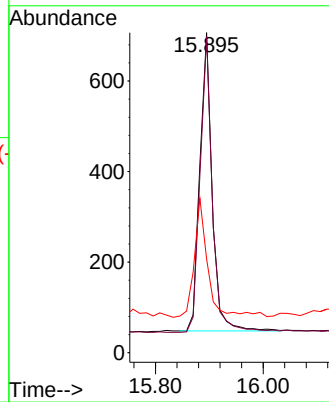


#14  
2,4,6-Tribromophenol  
Concen: 0.320 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

Instrument :  
BNA\_N  
ClientSampleId :  
OW-05B-72-120325

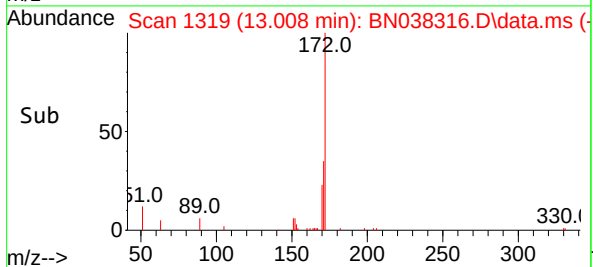
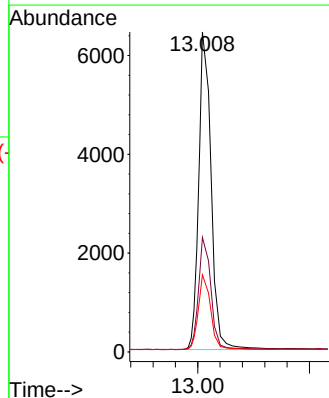
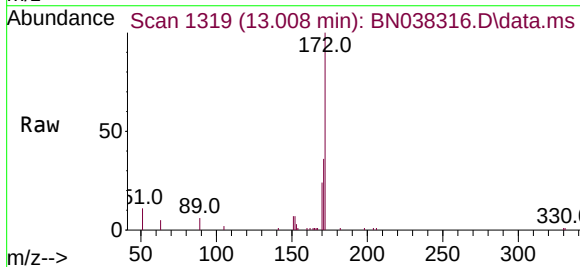


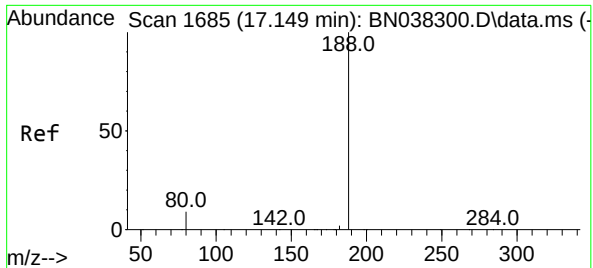
Tgt Ion: 330 Resp: 1043  
Ion Ratio Lower Upper  
330 100  
332 99.2 75.8 113.6  
141 41.9 31.8 47.8



#15  
2-Fluorobiphenyl  
Concen: 0.303 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

Tgt Ion: 172 Resp: 10746  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.6 42.8  
170 24.1 19.3 28.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1685

Delta R.T. 0.000 min

Lab File: BN038316.D

Acq: 11 Dec 2025 14:14

Instrument :

BNA\_N

ClientSampleId :

OW-05B-72-120325

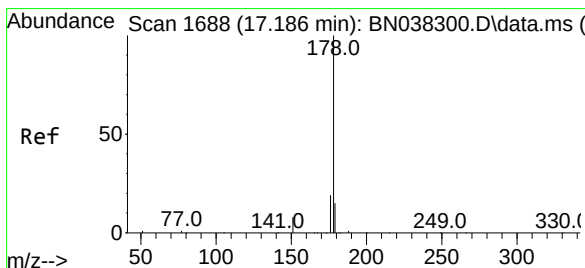
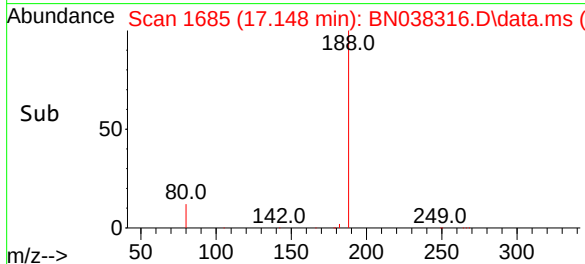
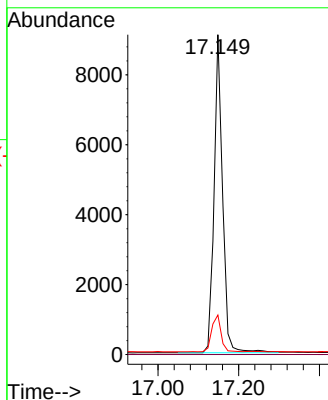
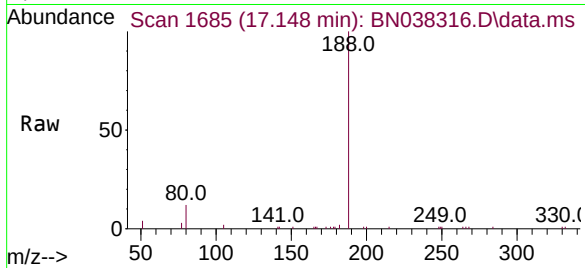
Tgt Ion:188 Resp: 13319

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.4 7.4 11.0#



#25

Phenanthrene

Concen: 0.076 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038316.D

Acq: 11 Dec 2025 14:14

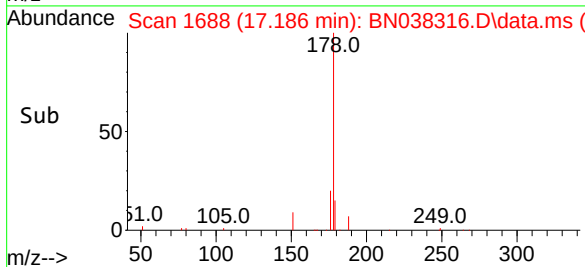
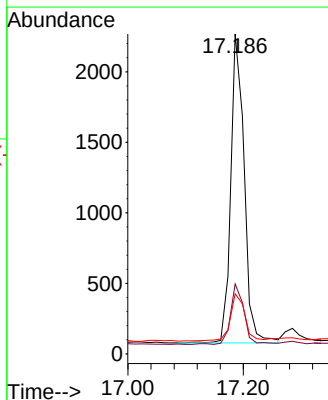
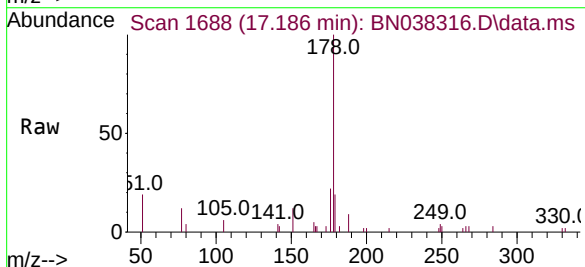
Tgt Ion:178 Resp: 3533

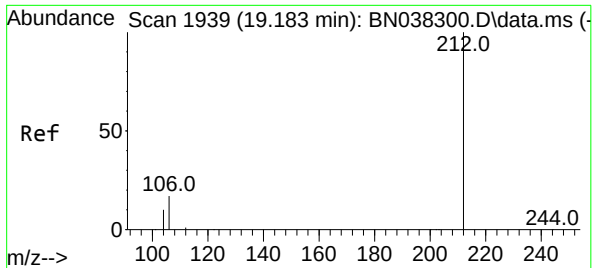
Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 16.9 12.2 18.2

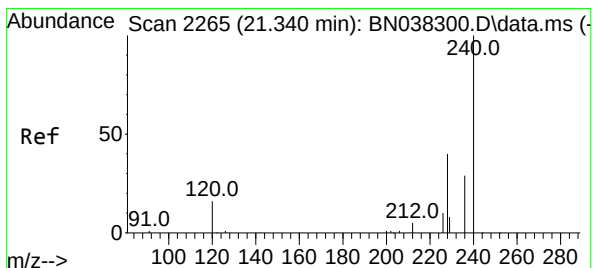
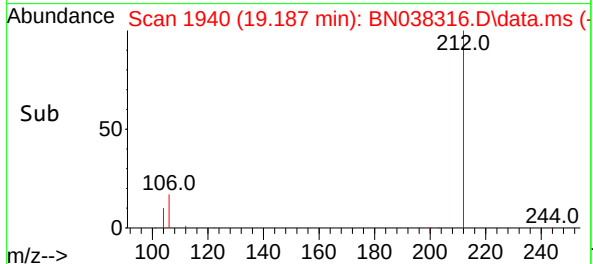
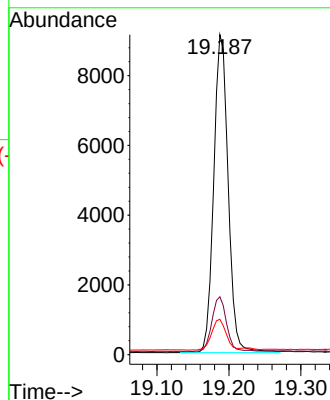
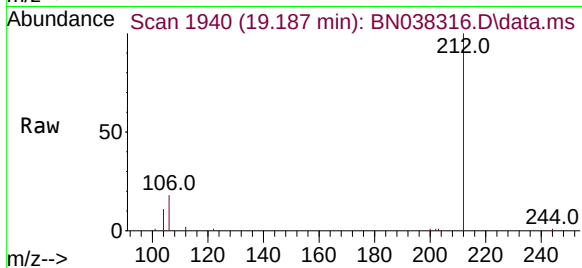




#27  
Fluoranthene-d10  
Concen: 0.387 ng  
RT: 19.187 min Scan# 19  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

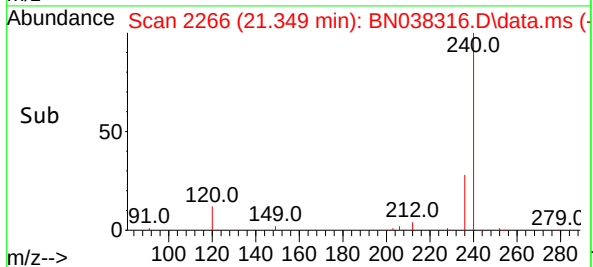
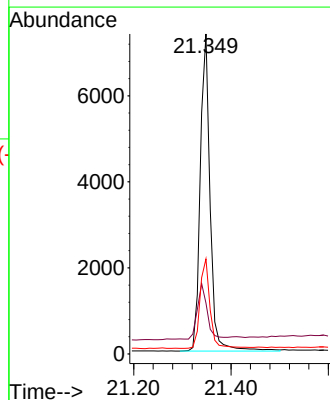
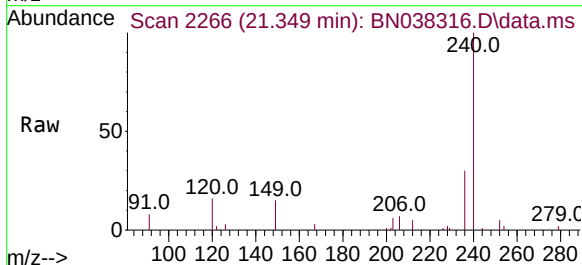
Instrument :  
BNA\_N  
ClientSampleId :  
OW-05B-72-120325

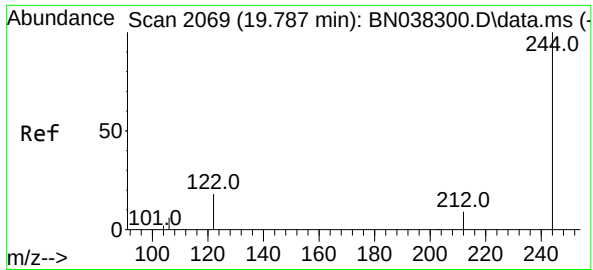
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 17.4  | 13.7  | 20.5  |
| 104     | 9.6   | 7.8   | 11.8  |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.349 min Scan# 2266  
Delta R.T. 0.009 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

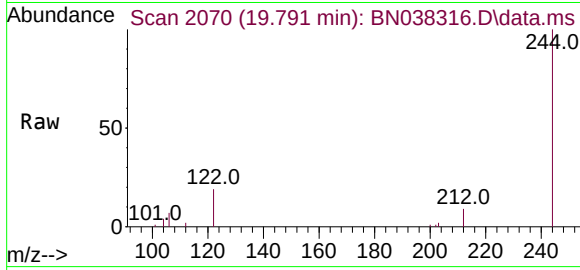
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 15.9  | 15.4  | 23.2  |
| 236     | 29.7  | 23.9  | 35.9  |



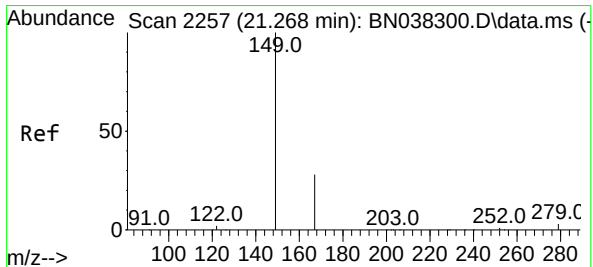
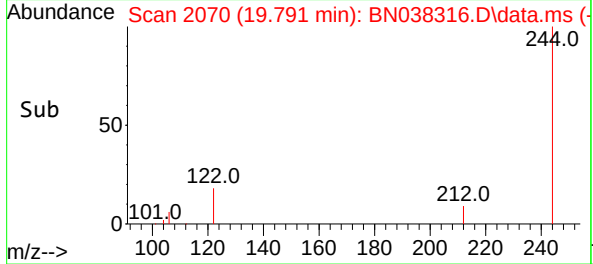
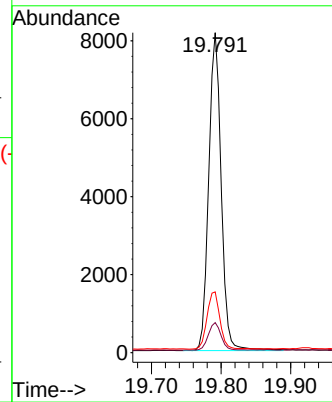


#31  
Terphenyl-d14  
Concen: 0.437 ng  
RT: 19.791 min Scan# 2069  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

Instrument :  
BNA\_N  
ClientSampleId :  
OW-05B-72-120325

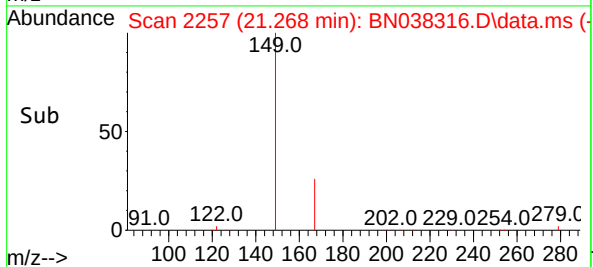
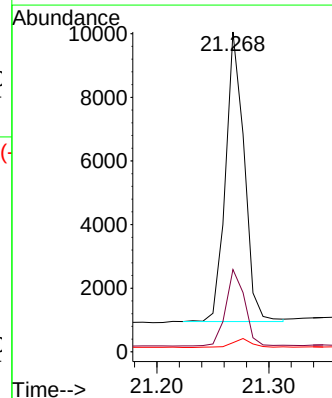
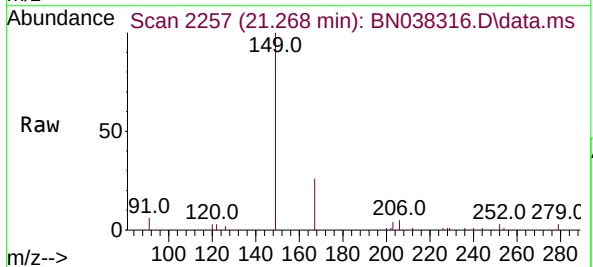


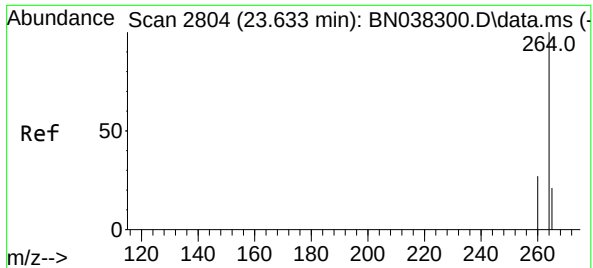
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.4   | 7.9   | 11.9  |
| 122     | 19.0  | 15.0  | 22.6  |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.477 ng  
RT: 21.268 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: BN038316.D  
Acq: 11 Dec 2025 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.8  | 21.4  | 32.0  |
| 279     | 3.4   | 2.4   | 3.6   |





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.639 min Scan# 2806

Delta R.T. 0.006 min

Lab File: BN038316.D

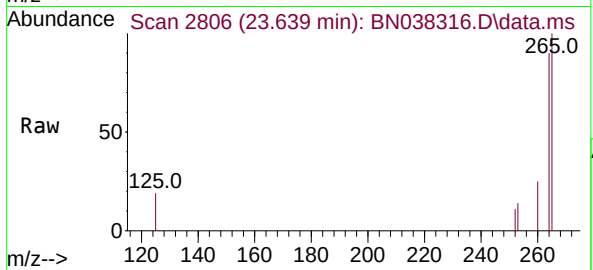
Acq: 11 Dec 2025 14:14

Instrument :

BNA\_N

ClientSampleId :

OW-05B-72-120325



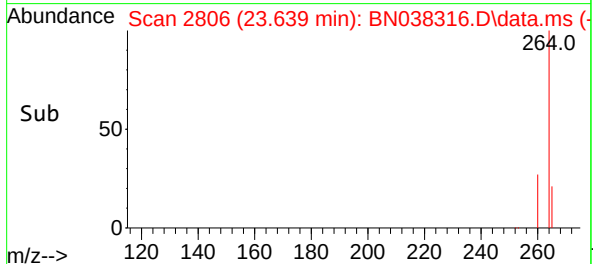
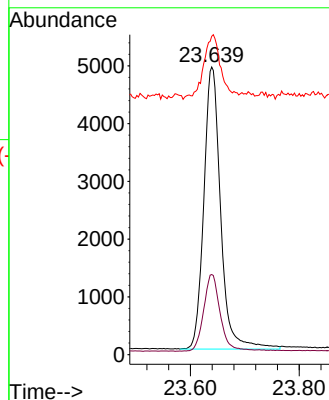
Tgt Ion:264 Resp: 10487

Ion Ratio Lower Upper

264 100

260 27.9 22.2 33.2

265 110.7 80.2 120.2



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
 Data File : BN038317.D  
 Acq On : 11 Dec 2025 14:50  
 Operator : RC/JU  
 Sample : Q3757-11  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EB01-120325

Quant Time: Dec 11 15:13:38 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 10 13:56:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 5459     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.530 | 136  | 14139    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.398 | 164  | 7229     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.149 | 188  | 13027    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.349 | 240  | 10027    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.639 | 264  | 10159    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.291  | 112  | 2067     | 0.152 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.894  | 99   | 1430     | 0.088 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 4270     | 0.358 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 5803     | 0.291 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 817      | 0.255 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.009 | 172  | 10166    | 0.292 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.188 | 212  | 12814    | 0.398 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.792 | 244  | 11143    | 0.498 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       |          |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 2144     | 0.101 | ng    | # 98     |
| -----                         |        |      |          |       |       |          |

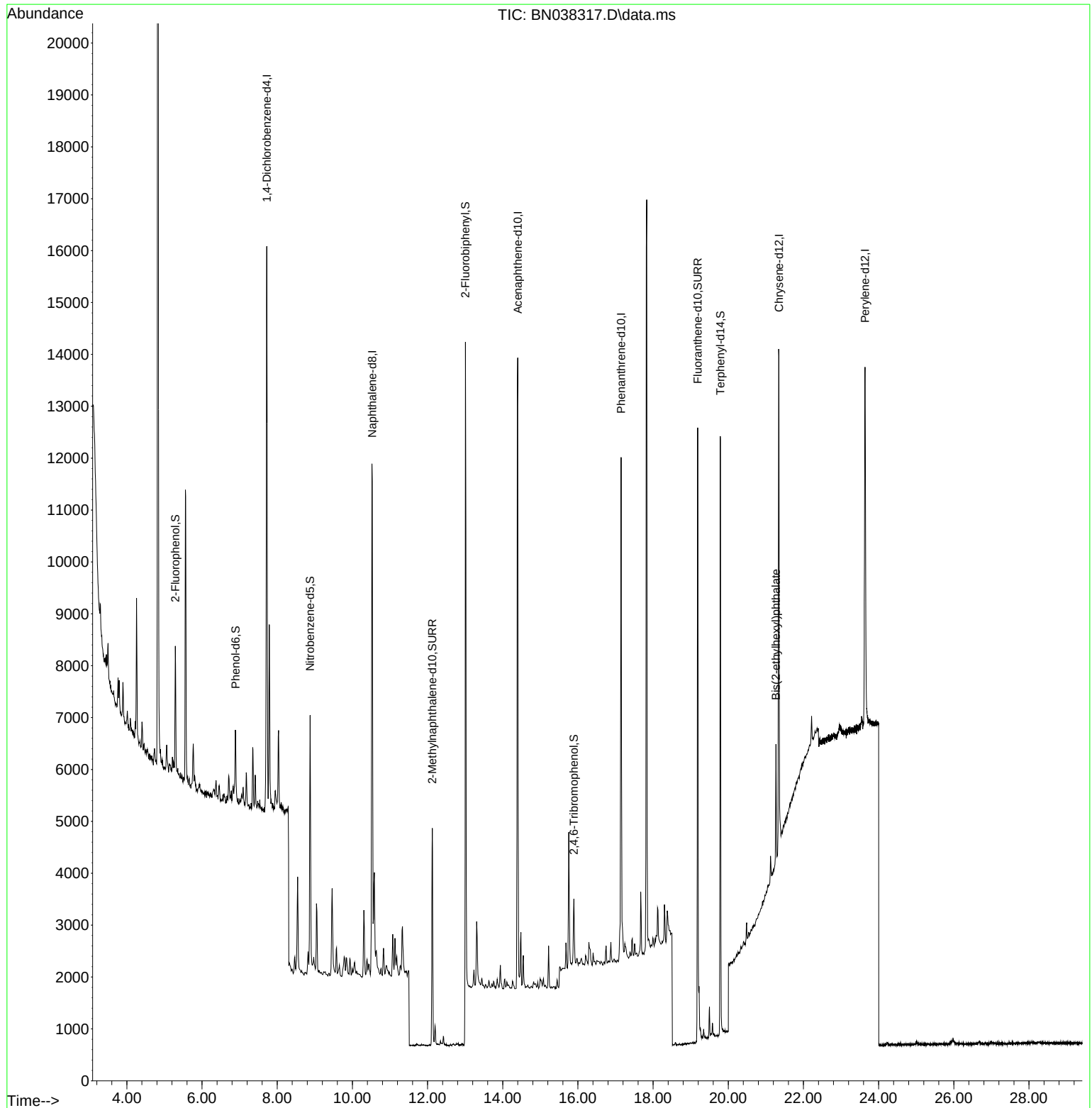
(#) = qualifier out of range (m) = manual integration (+) = signals summed

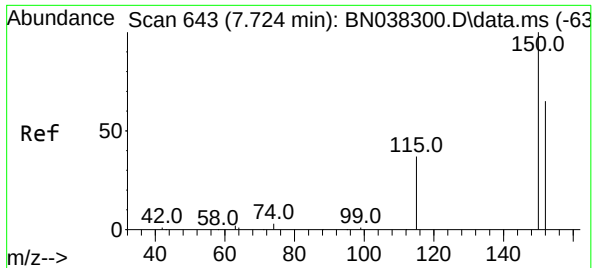


Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121125\  
Data File : BN038317.D  
Acq On : 11 Dec 2025 14:50  
Operator : RC/JU  
Sample : Q3757-11  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120325

Quant Time: Dec 11 15:13:38 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 10 13:56:50 2025  
Response via : Initial Calibration

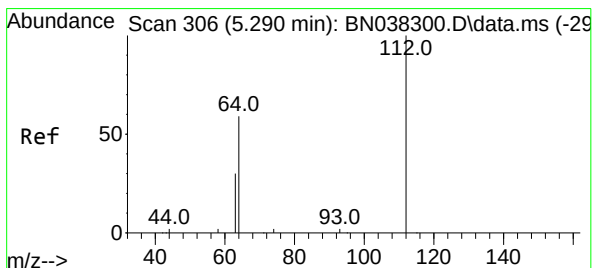
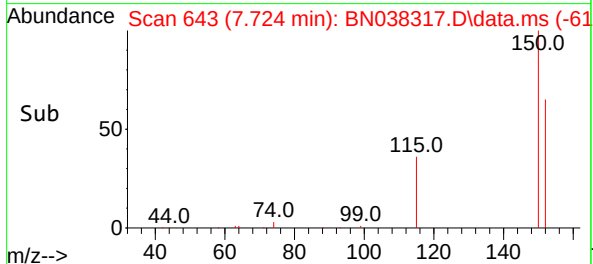
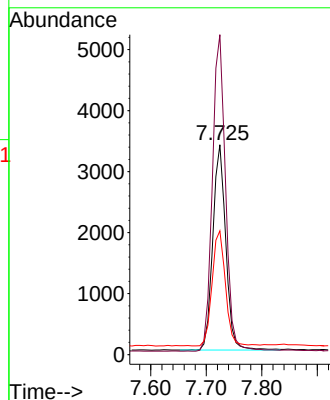
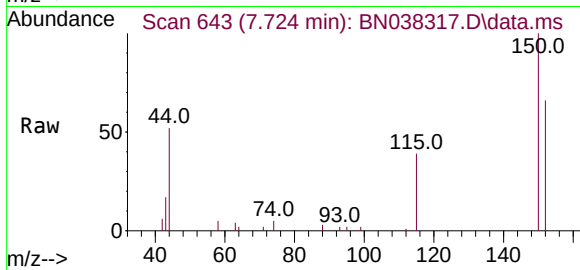




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 643  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

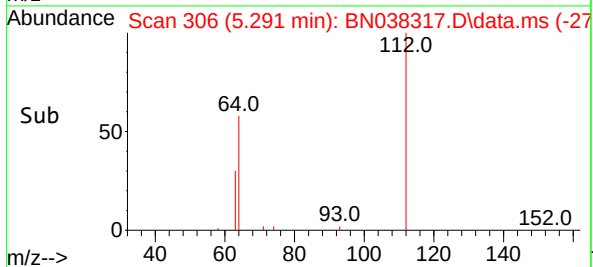
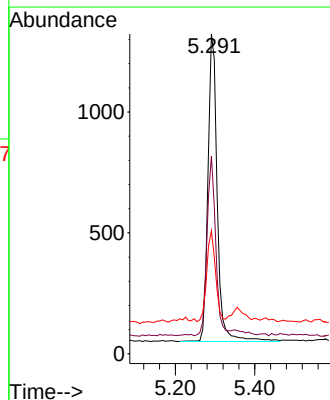
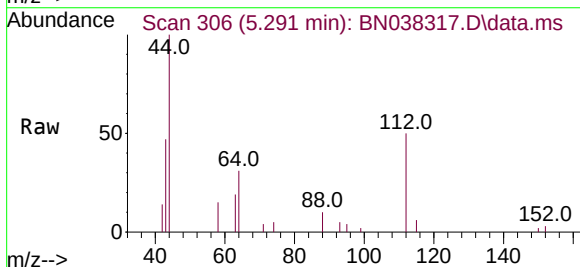
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120325

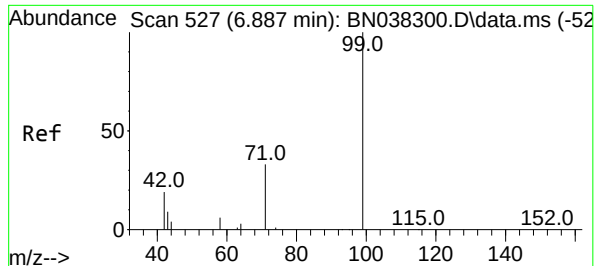
Tgt Ion:152 Resp: 5459  
Ion Ratio Lower Upper  
152 100  
150 152.5 122.4 183.6  
115 59.0 47.3 70.9



#4  
2-Fluorophenol  
Concen: 0.152 ng  
RT: 5.291 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

Tgt Ion:112 Resp: 2067  
Ion Ratio Lower Upper  
112 100  
64 54.6 44.4 66.6  
63 28.7 23.4 35.0

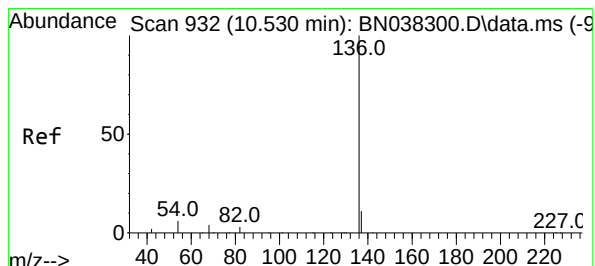
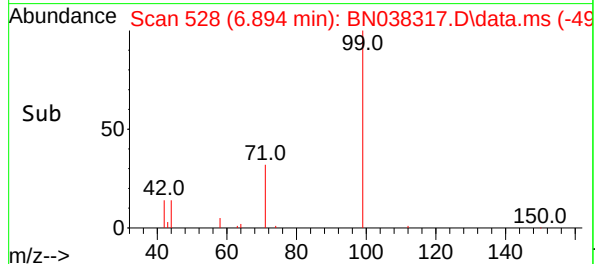
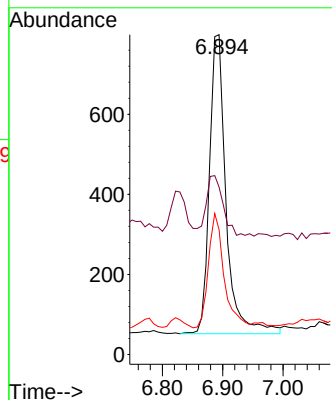
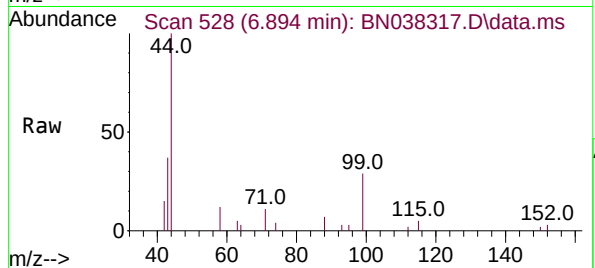




#5  
Phenol-d6  
Concen: 0.088 ng  
RT: 6.894 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

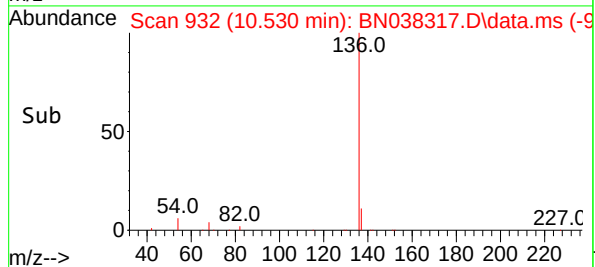
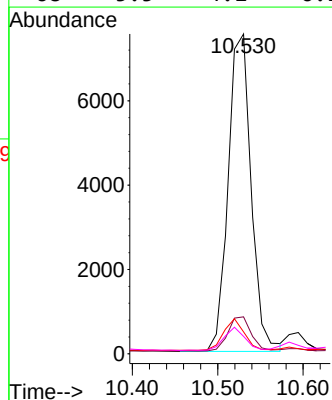
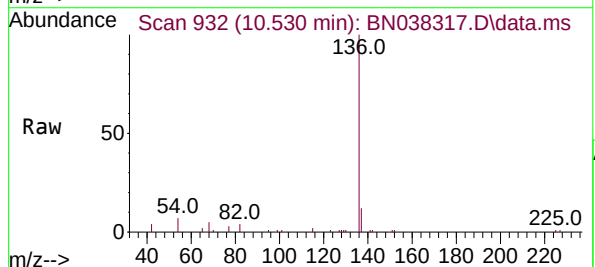
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120325

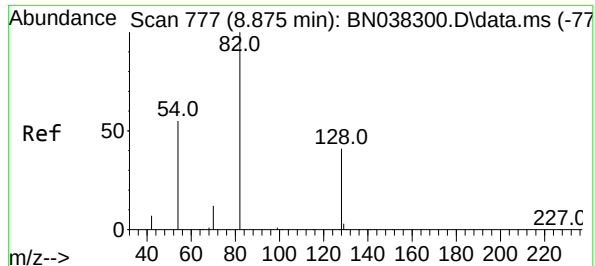
Tgt Ion: 99 Resp: 1430  
Ion Ratio Lower Upper  
99 100  
42 20.3 16.5 24.7  
71 35.9 24.9 37.3



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.530 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

Tgt Ion: 136 Resp: 14139  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.1 13.7  
54 6.9 5.2 7.8  
68 5.5 4.1 6.1

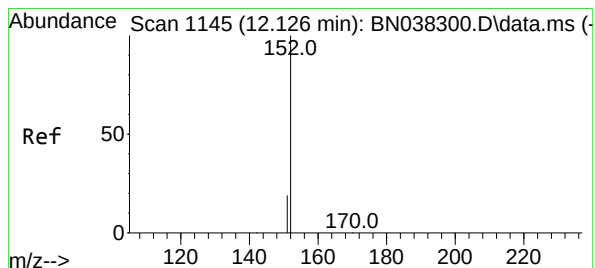
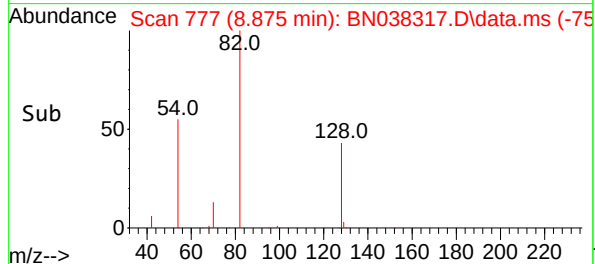
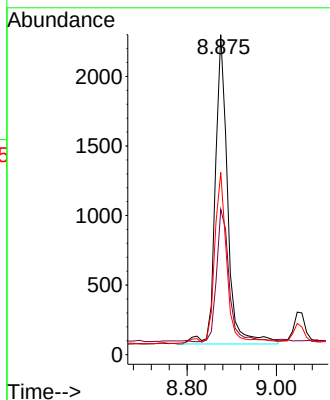
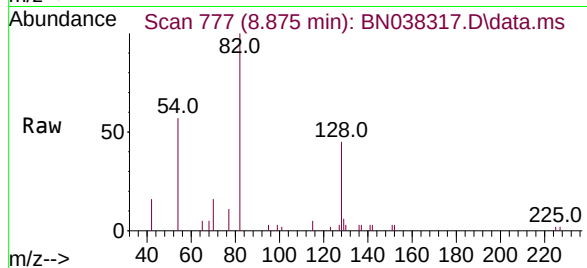




#8  
Nitrobenzene-d5  
Concen: 0.358 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

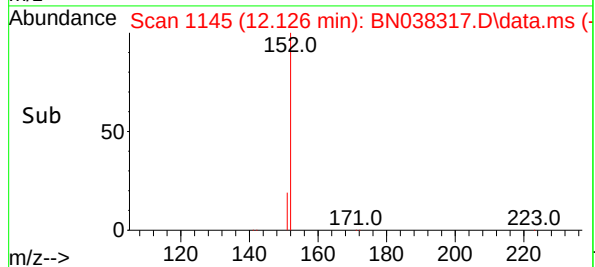
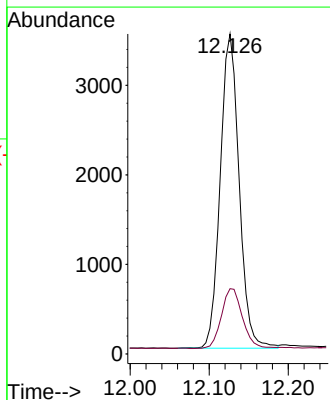
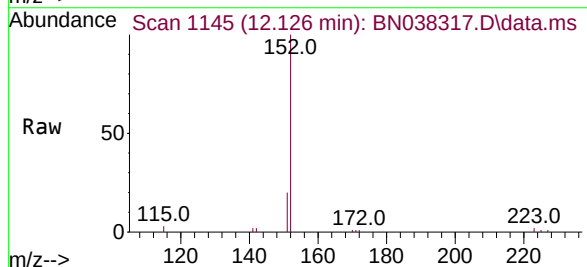
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120325

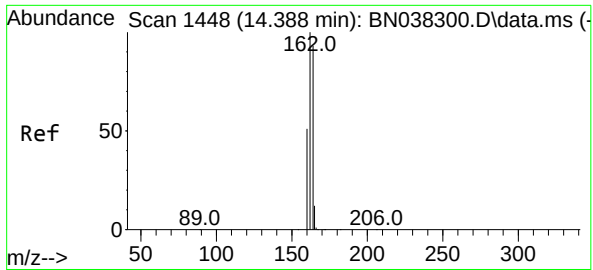
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 4270 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 45.4  | 34.0  | 51.0 |
| 54        | 56.9  | 44.4  | 66.6 |



#11  
2-Methylnaphthalene-d10  
Concen: 0.291 ng  
RT: 12.126 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 5803 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 21.6  | 17.0  | 25.6 |

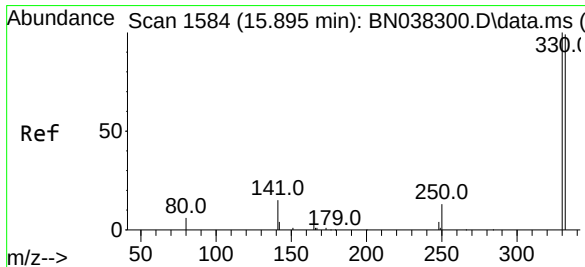
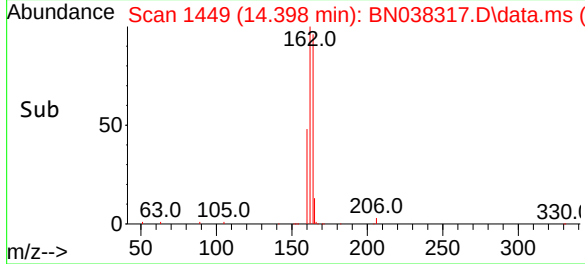
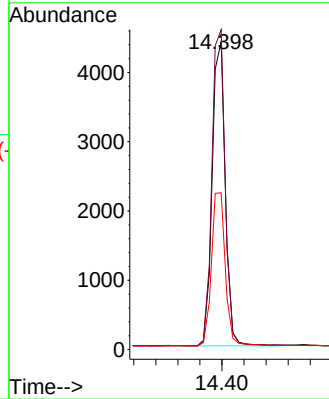
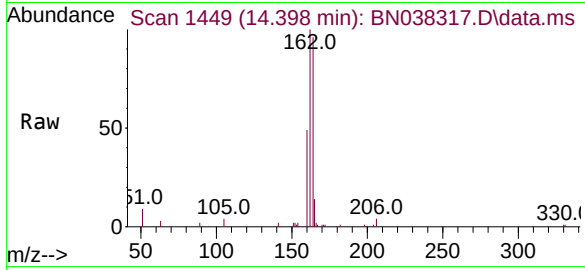




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.398 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

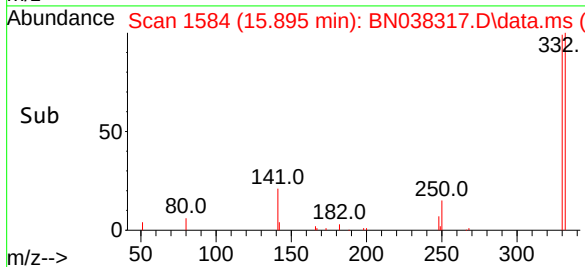
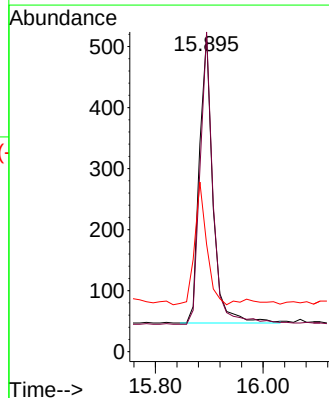
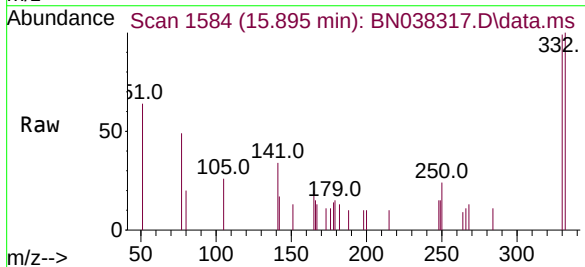
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120325

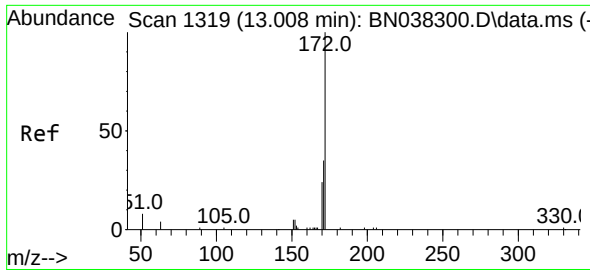
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 7229  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 103.9 | 86.2  | 129.4 |
| 160       | 50.9  | 44.6  | 67.0  |



#14  
2,4,6-Tribromophenol  
Concen: 0.255 ng  
RT: 15.895 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 817   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 98.0  | 75.8  | 113.6 |
| 141       | 38.1  | 31.8  | 47.8  |

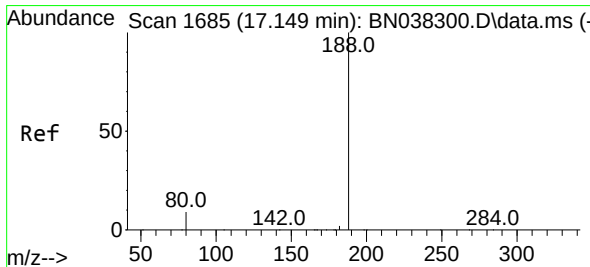
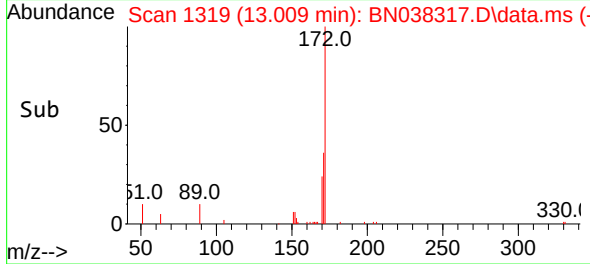
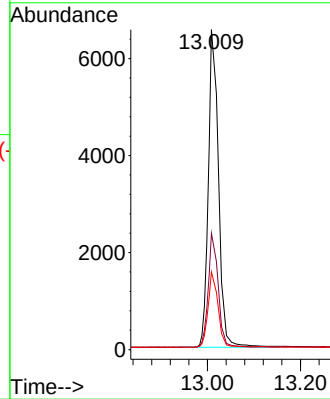
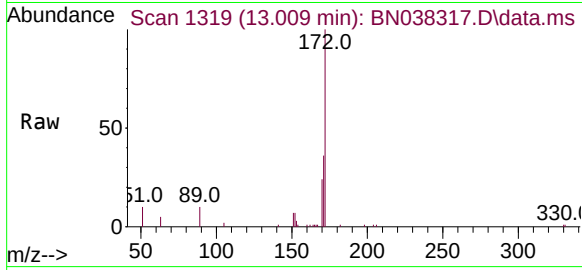




#15  
2-Fluorobiphenyl  
Concen: 0.292 ng  
RT: 13.009 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

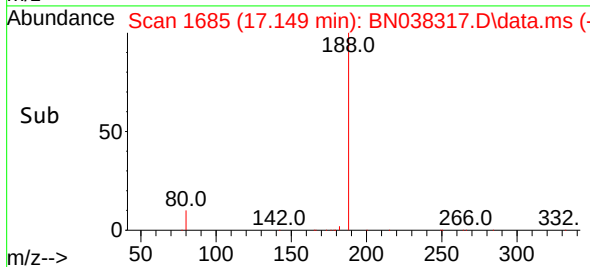
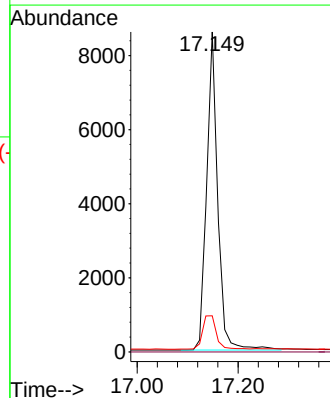
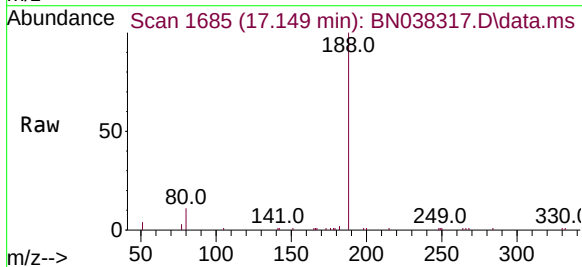
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120325

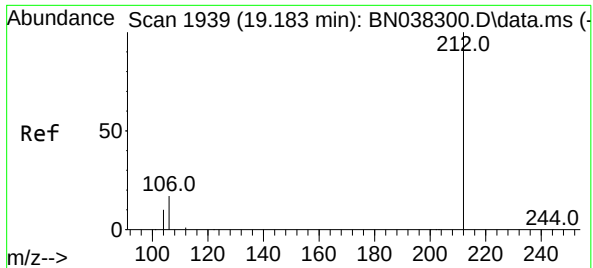
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 10166 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 36.4  | 28.6  | 42.8  |
| 170       | 24.3  | 19.3  | 28.9  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.149 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 13027 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 11.3  | 7.4   | 11.0  |

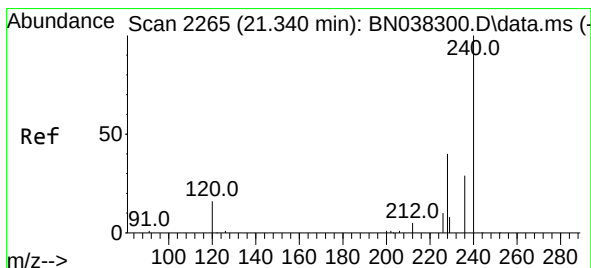
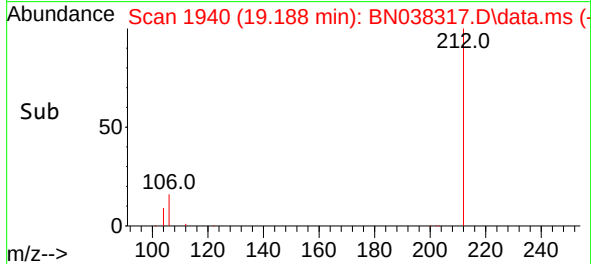
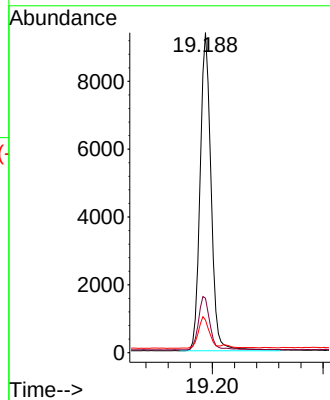
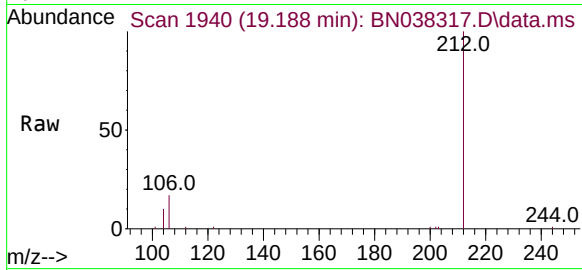




#27  
Fluoranthene-d10  
Concen: 0.398 ng  
RT: 19.188 min Scan# 1939  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

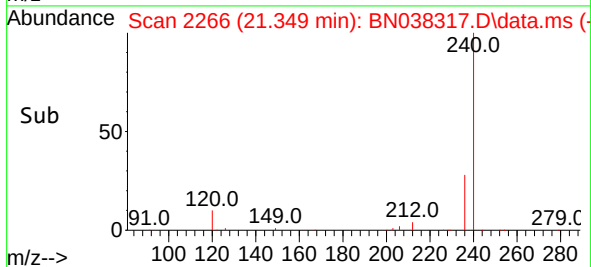
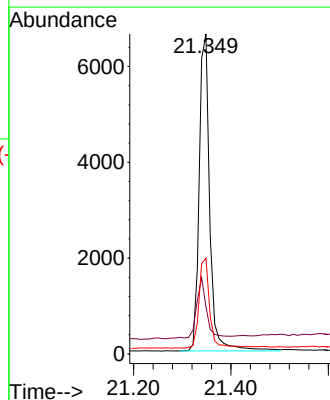
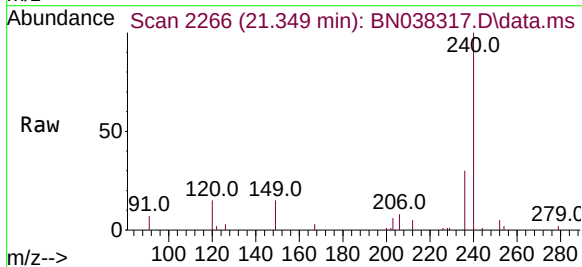
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120325

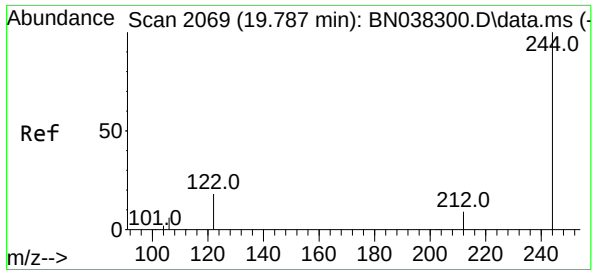
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 12814 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 17.9  | 13.7  | 20.5  |
| 104       | 9.8   | 7.8   | 11.8  |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.349 min Scan# 2266  
Delta R.T. 0.009 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 10027 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 14.7  | 15.4  | 23.2  |
| 236       | 30.0  | 23.9  | 35.9  |

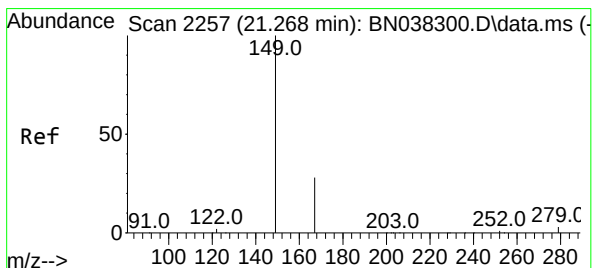
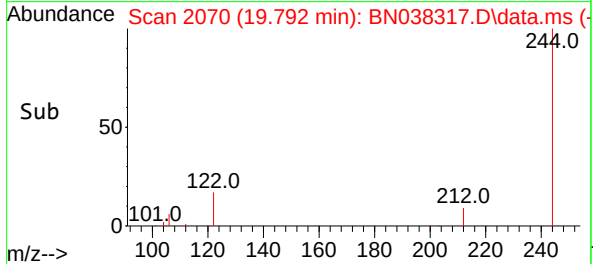
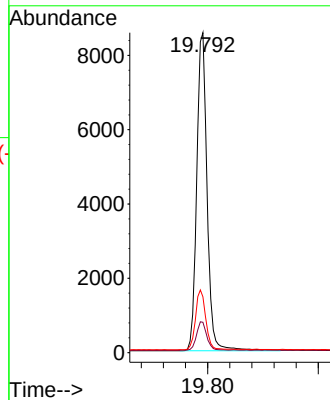
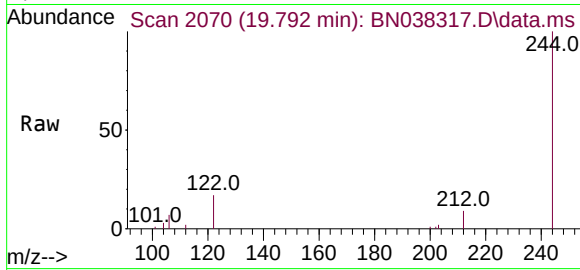




#31  
Terphenyl-d14  
Concen: 0.498 ng  
RT: 19.792 min Scan# 2069  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

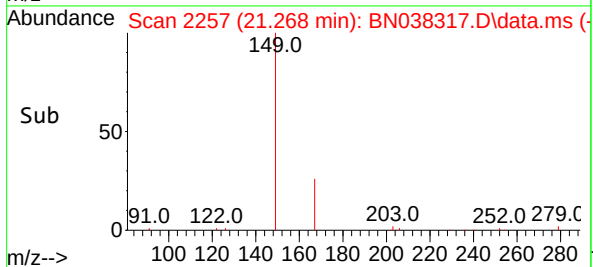
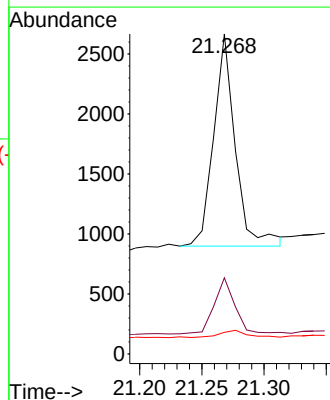
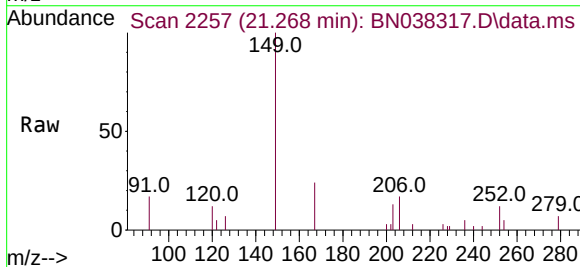
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-120325

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.5   | 7.9   | 11.9  |
| 122     | 17.4  | 15.0  | 22.6  |

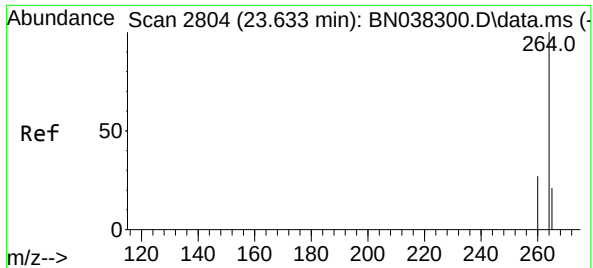


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.101 ng  
RT: 21.268 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: BN038317.D  
Acq: 11 Dec 2025 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.7  | 21.4  | 32.0  |
| 279     | 4.6   | 2.4   | 3.6   |







#35

Perylene-d12

Concen: 0.400 ng

RT: 23.639 min Scan# 2806

Delta R.T. 0.006 min

Lab File: BN038317.D

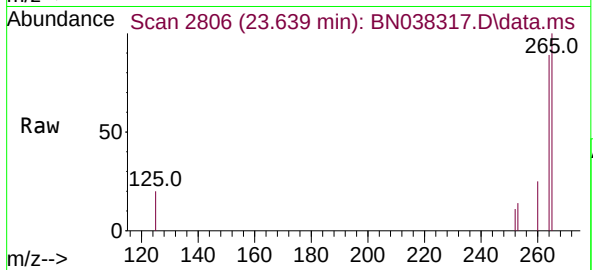
Acq: 11 Dec 2025 14:50

Instrument :

BNA\_N

ClientSampleId :

EB01-120325



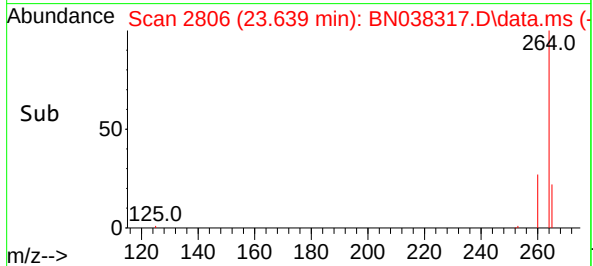
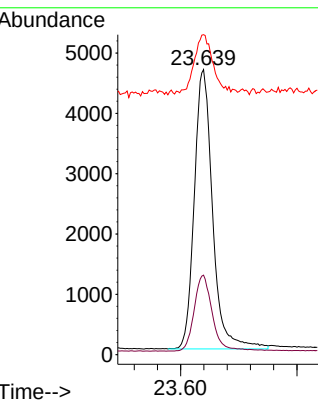
Tgt Ion:264 Resp: 10159

Ion Ratio Lower Upper

264 100

260 27.9 22.2 33.2

265 112.3 80.2 120.2



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038288.D  
Acq On : 06 Dec 2025 00:19  
Operator : RC/JU  
Sample : PB170838BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

Quant Time: Dec 06 00:56:40 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.760  | 152  | 7136     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.562 | 136  | 19157    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10        | 14.430 | 164  | 8410     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 17.186 | 188  | 11693    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12            | 21.375 | 240  | 9196     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12            | 23.677 | 264  | 9718     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |       |       |          |
| 4) 2-Fluorophenol           | 5.334  | 112  | 5905     | 0.354 | ng    | 0.00     |
| 5) Phenol-d6                | 6.930  | 99   | 6410     | 0.308 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.918  | 82   | 5582     | 0.364 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.167 | 152  | 8458     | 0.311 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.944 | 330  | 448      | 0.169 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 13.051 | 172  | 12403    | 0.382 | ng    | 0.00     |
| 27) Fluoranthene-d10        | 19.220 | 212  | 10011    | 0.395 | ng    | 0.00     |
| 31) Terphenyl-d14           | 19.819 | 244  | 7406     | 0.349 | ng    | 0.00     |

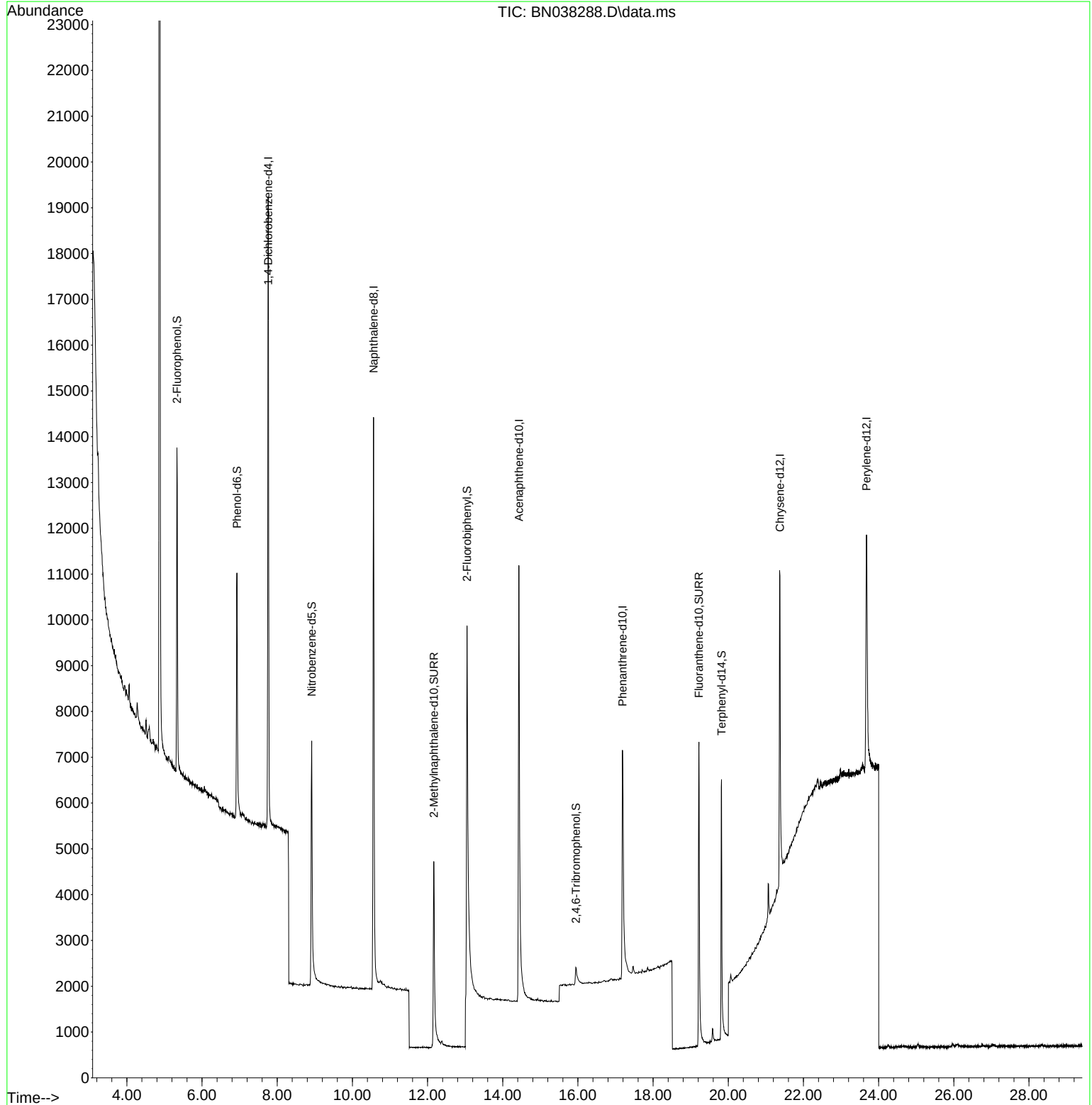
Target Compounds Qvalue

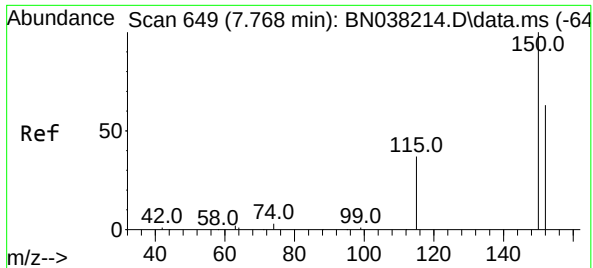
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
Data File : BN038288.D  
Acq On : 06 Dec 2025 00:19  
Operator : RC/JU  
Sample : PB170838BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

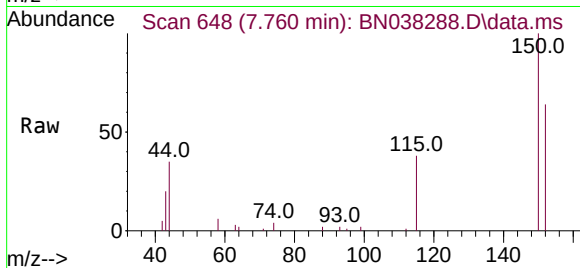
Quant Time: Dec 06 00:56:40 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration



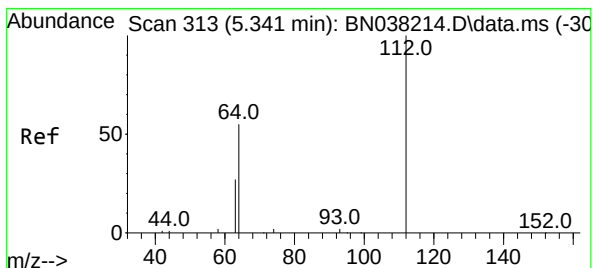
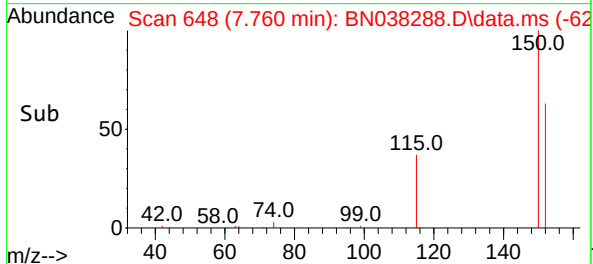
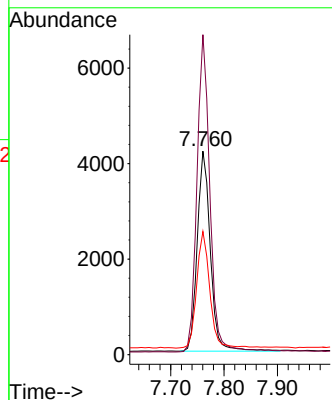


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.760 min Scan# 64  
Delta R.T. -0.008 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

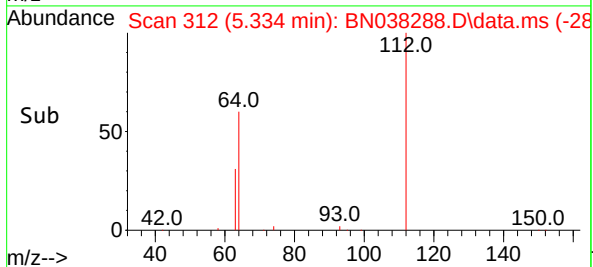
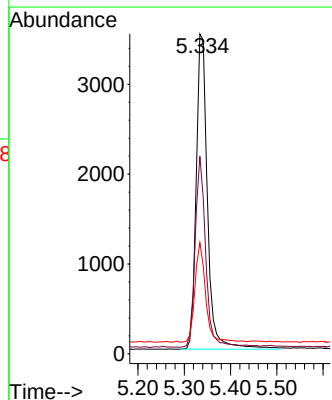
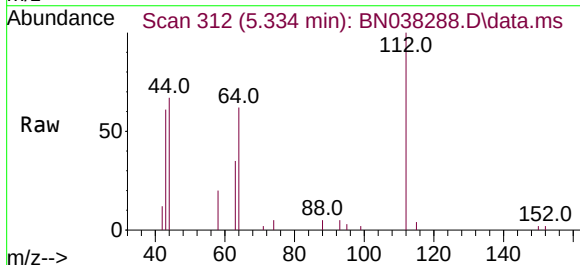


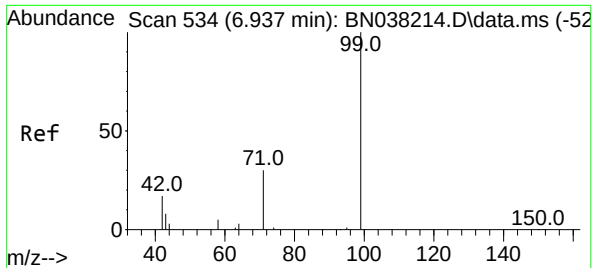
Tgt Ion:152 Resp: 7136  
Ion Ratio Lower Upper  
152 100  
150 157.3 125.3 187.9  
115 60.5 49.0 73.4



#4  
2-Fluorophenol  
Concen: 0.354 ng  
RT: 5.334 min Scan# 312  
Delta R.T. -0.007 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Tgt Ion:112 Resp: 5905  
Ion Ratio Lower Upper  
112 100  
64 56.7 45.0 67.4  
63 29.9 23.2 34.8



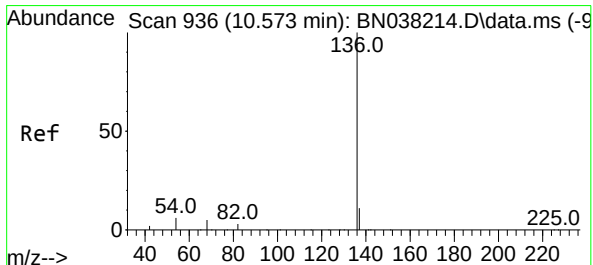
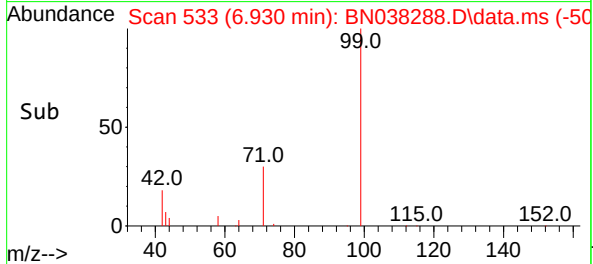
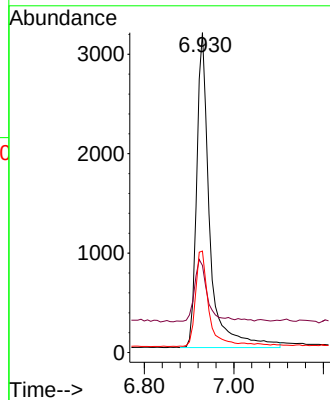
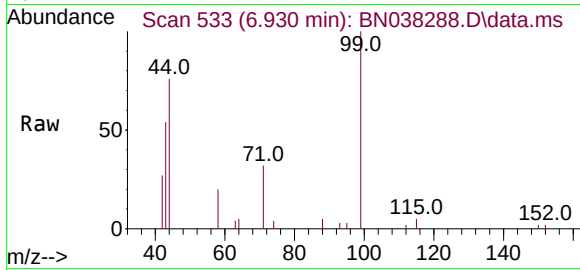


#5  
Phenol-d6  
Concen: 0.308 ng  
RT: 6.930 min Scan# 531  
Delta R.T. -0.007 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

Tgt Ion: 99 Resp: 6410

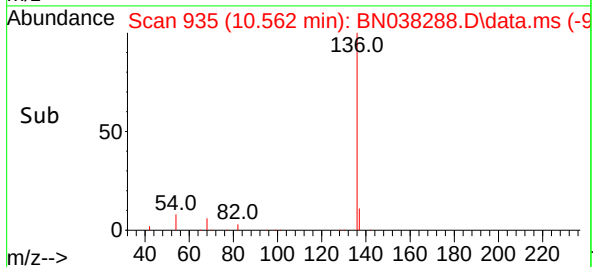
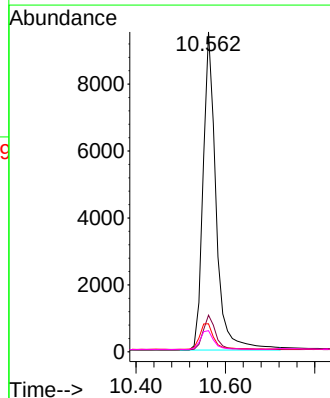
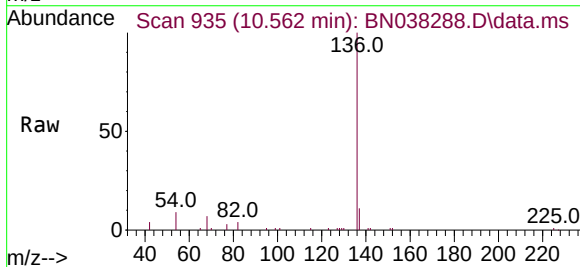
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.6  | 17.0  | 25.6  |
| 71  | 30.2  | 25.4  | 38.2  |

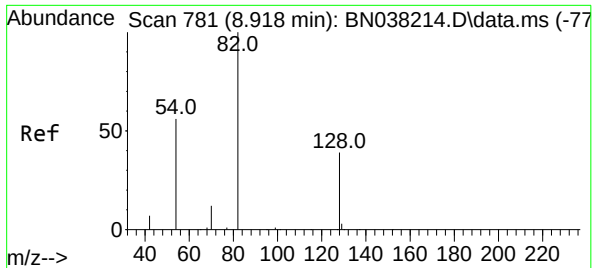


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.562 min Scan# 935  
Delta R.T. -0.011 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Tgt Ion: 136 Resp: 19157

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.5  | 8.9   | 13.3  |
| 54  | 8.8   | 5.4   | 8.0#  |
| 68  | 6.6   | 4.1   | 6.1#  |

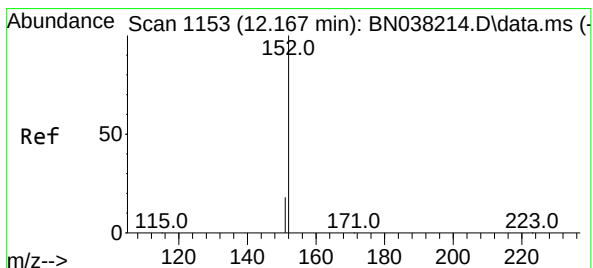
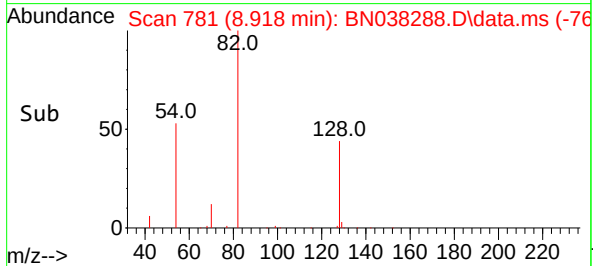
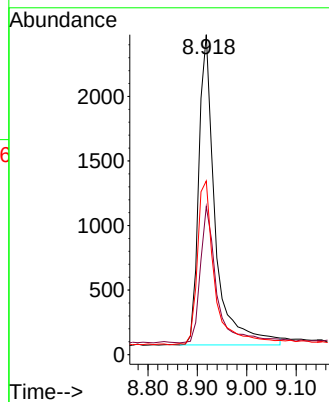
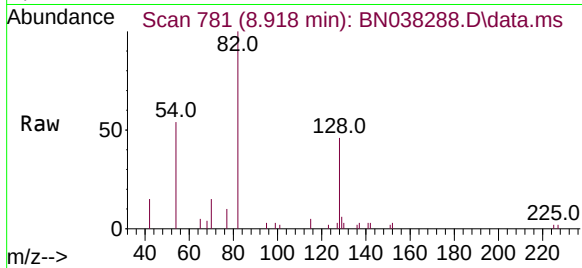




#8  
Nitrobenzene-d5  
Concen: 0.364 ng  
RT: 8.918 min Scan# 781  
Delta R.T. 0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

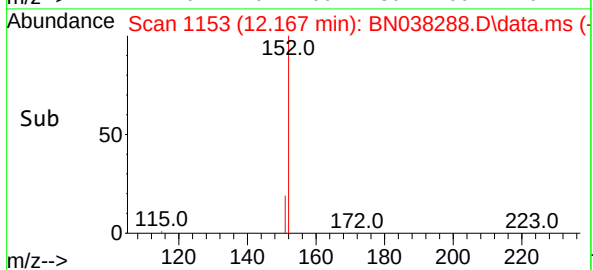
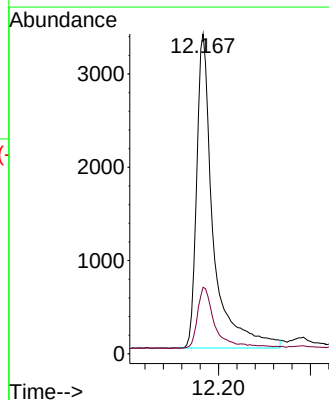
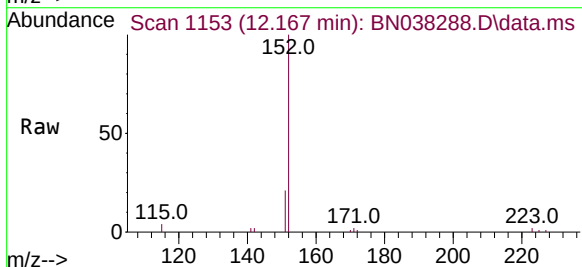
Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

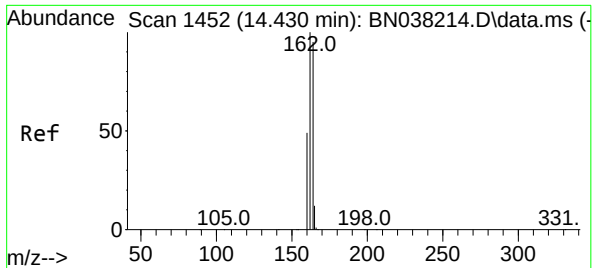
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.3  | 32.6  | 48.8  |
| 54      | 54.3  | 45.4  | 68.0  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.311 ng  
RT: 12.167 min Scan# 1153  
Delta R.T. -0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

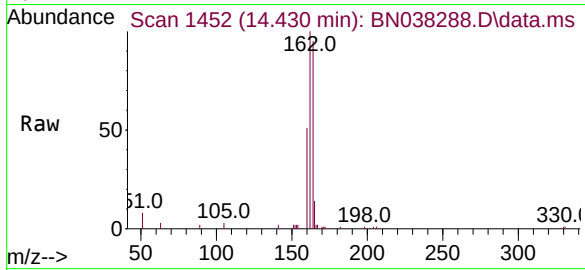
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.1  | 16.7  | 25.1  |



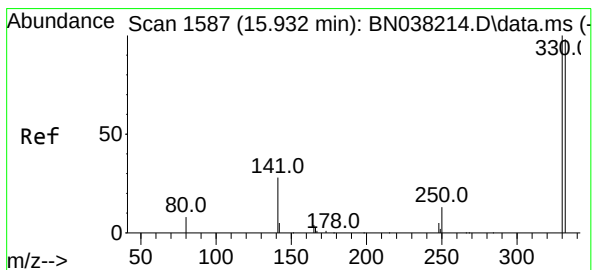
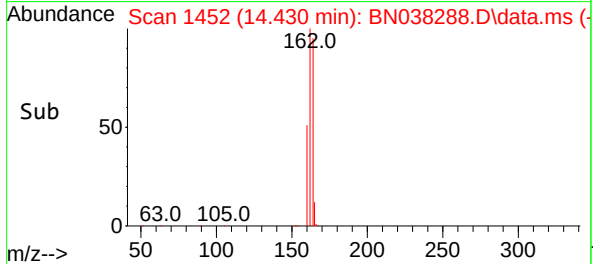
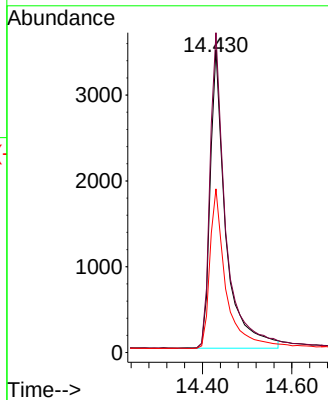


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.430 min Scan# 1452  
Delta R.T. 0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

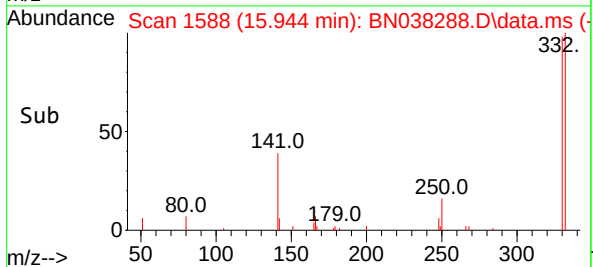
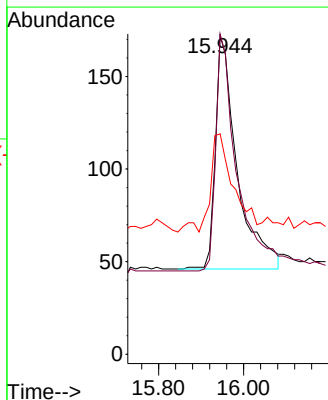
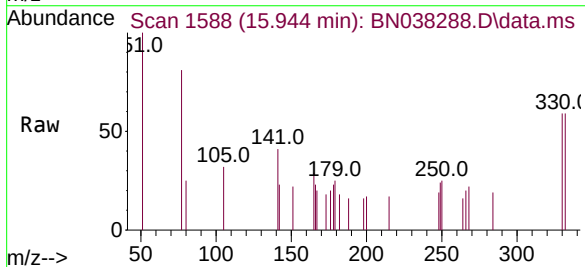


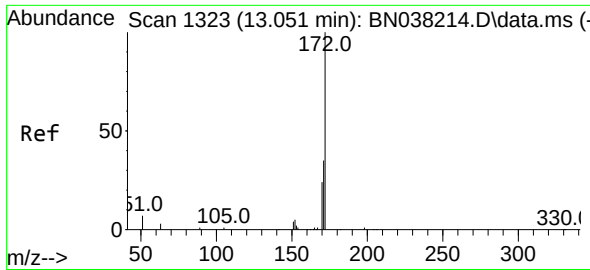
Tgt Ion:164 Resp: 8410  
Ion Ratio Lower Upper  
164 100  
162 105.6 83.8 125.8  
160 54.0 41.6 62.4



#14  
2,4,6-Tribromophenol  
Concen: 0.169 ng  
RT: 15.944 min Scan# 1588  
Delta R.T. 0.012 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Tgt Ion:330 Resp: 448  
Ion Ratio Lower Upper  
330 100  
332 98.4 77.8 116.6  
141 44.0 33.0 49.4

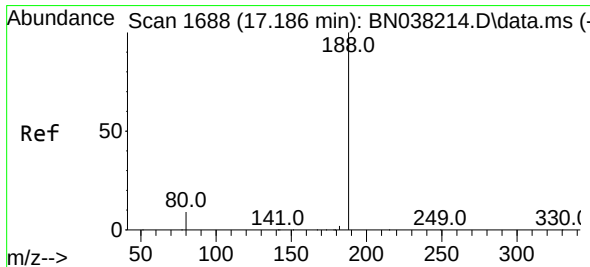
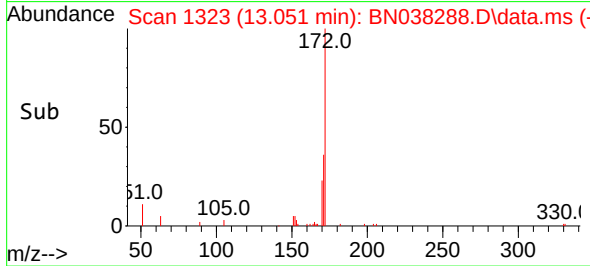
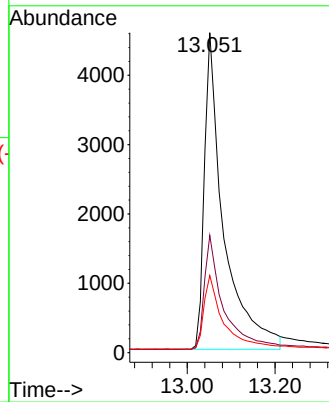
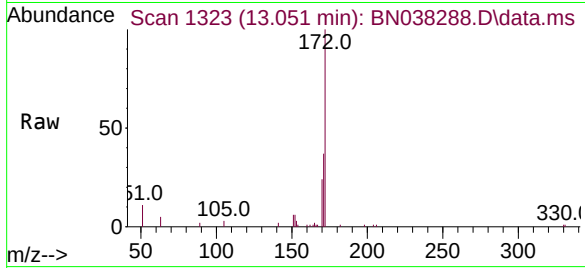




#15  
2-Fluorobiphenyl  
Concen: 0.382 ng  
RT: 13.051 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

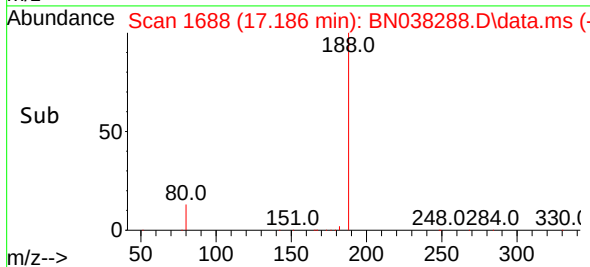
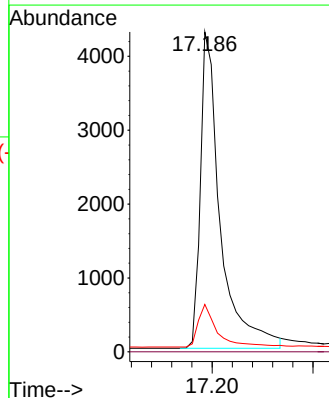
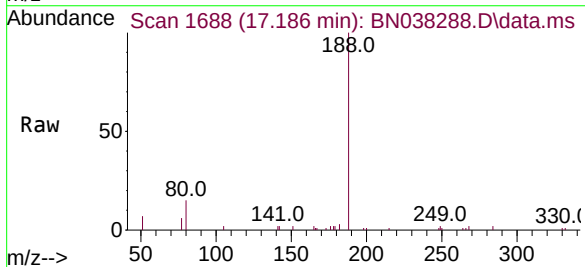
Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 12403 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 36.6  | 28.1  | 42.1  |
| 170       | 24.1  | 19.1  | 28.7  |

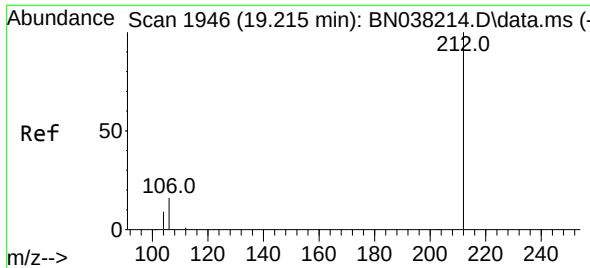


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 11693 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 14.8  | 7.7   | 11.5  |







#27

Fluoranthene-d10

Concen: 0.395 ng

RT: 19.220 min Scan# 1946

Delta R.T. 0.005 min

Lab File: BN038288.D

Acq: 06 Dec 2025 00:19

Instrument :

BNA\_N

ClientSampleId :

PB170838BL

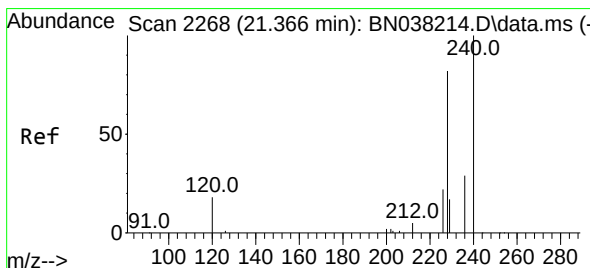
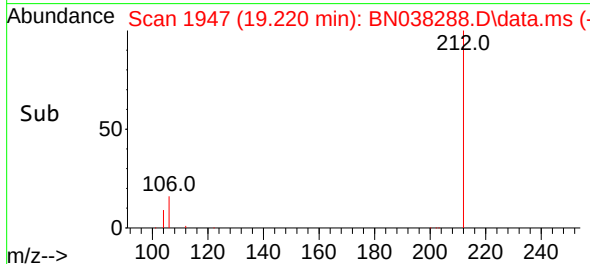
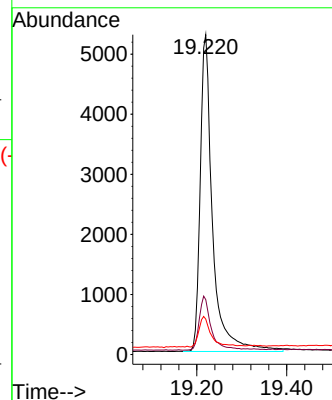
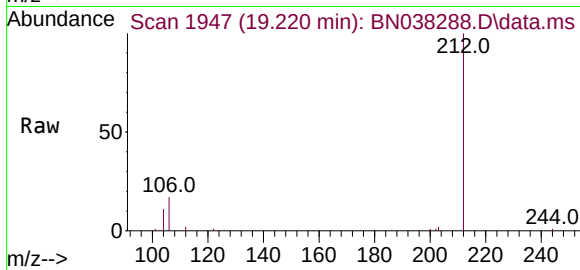
Tgt Ion:212 Resp: 10011

Ion Ratio Lower Upper

212 100

106 16.8 12.7 19.1

104 9.7 7.3 10.9



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 2269

Delta R.T. 0.009 min

Lab File: BN038288.D

Acq: 06 Dec 2025 00:19

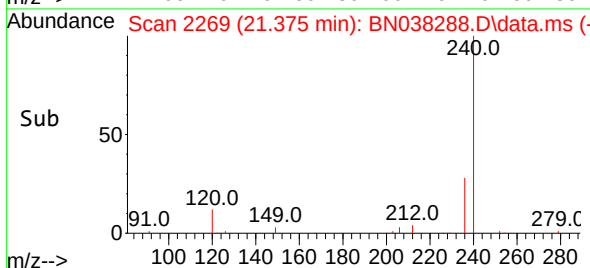
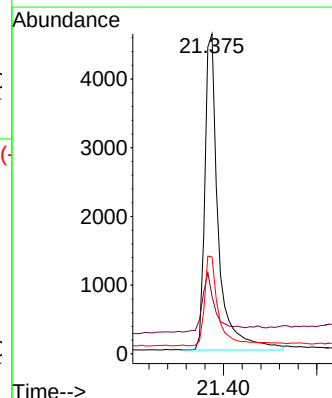
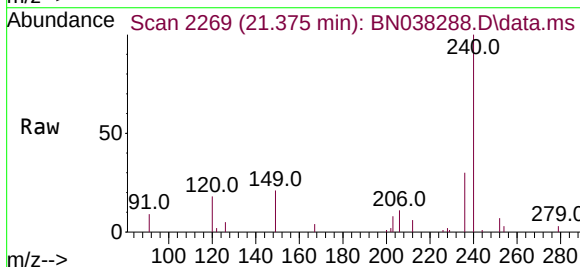
Tgt Ion:240 Resp: 9196

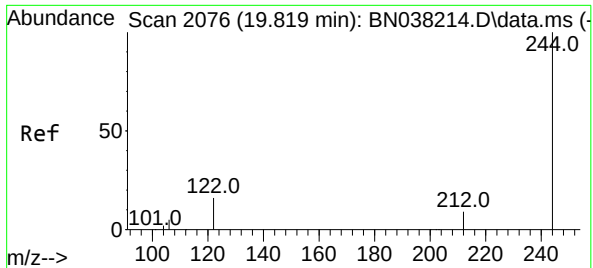
Ion Ratio Lower Upper

240 100

120 18.1 18.1 27.1#

236 30.2 24.2 36.4

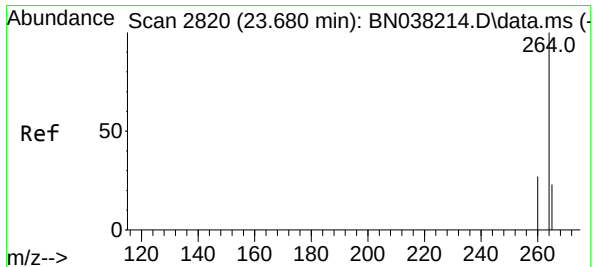
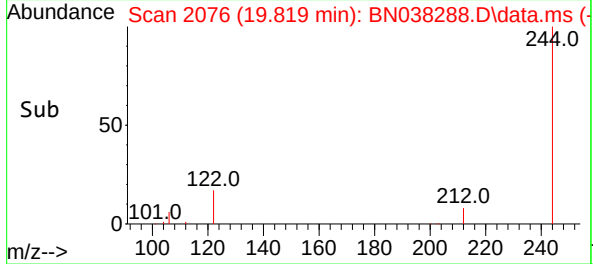
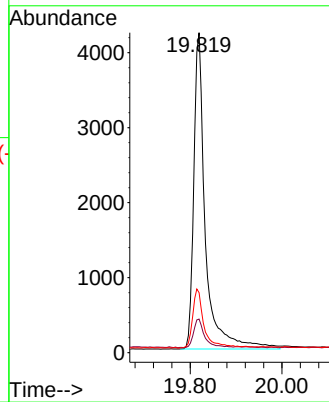
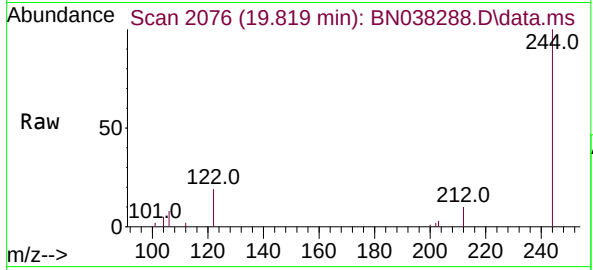




#31  
Terphenyl-d14  
Concen: 0.349 ng  
RT: 19.819 min Scan# 2076  
Delta R.T. -0.000 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

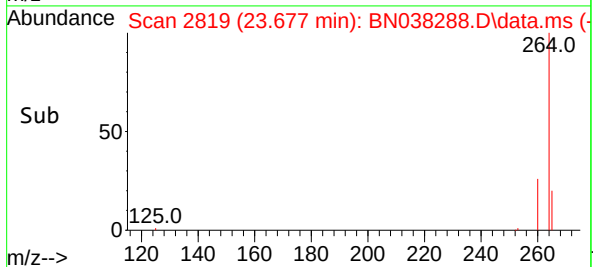
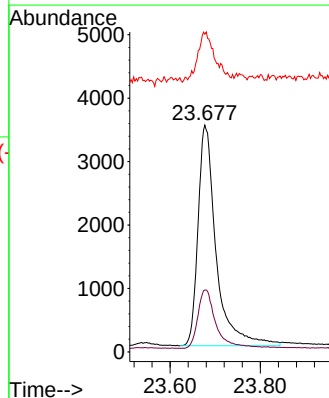
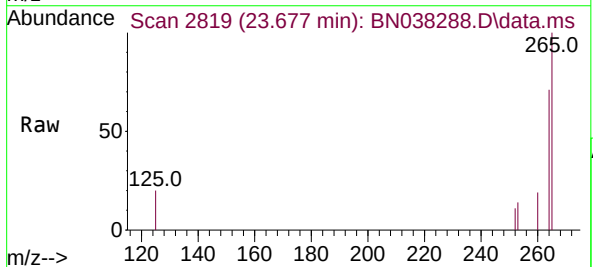
Instrument :  
BNA\_N  
ClientSampleId :  
PB170838BL

Tgt Ion:244 Resp: 7406  
Ion Ratio Lower Upper  
244 100  
212 10.5 7.7 11.5  
122 18.7 13.6 20.4



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.677 min Scan# 2819  
Delta R.T. -0.003 min  
Lab File: BN038288.D  
Acq: 06 Dec 2025 00:19

Tgt Ion:264 Resp: 9718  
Ion Ratio Lower Upper  
264 100  
260 27.3 21.7 32.5  
265 140.0 98.0 147.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
 Data File : BN038289.D  
 Acq On : 06 Dec 2025 00:55  
 Operator : RC/JU  
 Sample : PB170838BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

PB170838BS

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025  
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 06 01:31:20 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Nov 28 21:04:10 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.760  | 152  | 7065     | 0.400 | ng     | 0.00     |
| 7) Naphthalene-d8             | 10.562 | 136  | 18764    | 0.400 | ng     | #-0.01   |
| 13) Acenaphthene-d10          | 14.419 | 164  | 7890     | 0.400 | ng     | -0.01    |
| 19) Phenanthrene-d10          | 17.173 | 188  | 11230    | 0.400 | ng     | #-0.01   |
| 29) Chrysene-d12              | 21.366 | 240  | 9380     | 0.400 | ng     | # 0.00   |
| 35) Perylene-d12              | 23.674 | 264  | 9467     | 0.400 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) 2-Fluorophenol             | 5.334  | 112  | 6540     | 0.396 | ng     | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 7356     | 0.357 | ng     | 0.00     |
| 8) Nitrobenzene-d5            | 8.907  | 82   | 6354     | 0.423 | ng     | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.161 | 152  | 10719m   | 0.402 | ng     | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.932 | 330  | 842      | 0.339 | ng     | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.040 | 172  | 14399    | 0.472 | ng     | -0.01    |
| 27) Fluoranthene-d10          | 19.211 | 212  | 10168    | 0.417 | ng     | 0.00     |
| 31) Terphenyl-d14             | 19.814 | 244  | 7877     | 0.364 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| Target Compounds              |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.254  | 88   | 2458     | 0.330 | ng     | # 34     |
| 3) n-Nitrosodimethylamine     | 3.557  | 42   | 3487     | 0.380 | ng     | # 94     |
| 6) bis(2-Chloroethyl)ether    | 7.183  | 93   | 7355     | 0.372 | ng     | 97       |
| 9) Naphthalene                | 10.615 | 128  | 20286    | 0.389 | ng     | 100      |
| 10) Hexachlorobutadiene       | 10.904 | 225  | 3715     | 0.419 | ng     | # 100    |
| 12) 2-Methylnaphthalene       | 12.232 | 142  | 11265    | 0.329 | ng     | 98       |
| 16) Acenaphthylene            | 14.142 | 152  | 15238    | 0.432 | ng     | 99       |
| 17) Acenaphthene              | 14.484 | 154  | 9248     | 0.376 | ng     | 99       |
| 18) Fluorene                  | 15.478 | 166  | 11047    | 0.347 | ng     | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.572 | 198  | 252      | 0.381 | ng     | # 84     |
| 21) 4-Bromophenyl-phenylether | 16.379 | 248  | 2987     | 0.384 | ng     | 98       |
| 22) Hexachlorobenzene         | 16.491 | 284  | 3789     | 0.396 | ng     | 99       |
| 23) Atrazine                  | 16.639 | 200  | 1928     | 0.388 | ng     | # 93     |
| 24) Pentachlorophenol         | 16.838 | 266  | 1901     | 0.725 | ng     | 98       |
| 25) Phenanthrene              | 17.223 | 178  | 13357    | 0.379 | ng     | 99       |
| 26) Anthracene                | 17.310 | 178  | 11917    | 0.396 | ng     | 99       |
| 28) Fluoranthene              | 19.243 | 202  | 13981    | 0.411 | ng     | 99       |
| 30) Pyrene                    | 19.605 | 202  | 14466    | 0.309 | ng     | 99       |
| 32) Benzo(a)anthracene        | 21.348 | 228  | 12883    | 0.406 | ng     | 100      |
| 33) Chrysene                  | 21.402 | 228  | 15070    | 0.402 | ng     | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 5639     | 0.324 | ng     | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.028 | 276  | 18395    | 0.420 | ng     | 99       |
| 37) Benzo(b)fluoranthene      | 22.975 | 252  | 14844    | 0.382 | ng     | 99       |
| 38) Benzo(k)fluoranthene      | 23.022 | 252  | 16342    | 0.405 | ng     | 100      |
| 39) Benzo(a)pyrene            | 23.572 | 252  | 13524    | 0.415 | ng     | 97       |
| 40) Dibenzo(a,h)anthracene    | 26.042 | 278  | 13869    | 0.418 | ng     | 99       |
| 41) Benzo(g,h,i)perylene      | 26.738 | 276  | 16373    | 0.413 | ng     | 98       |

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

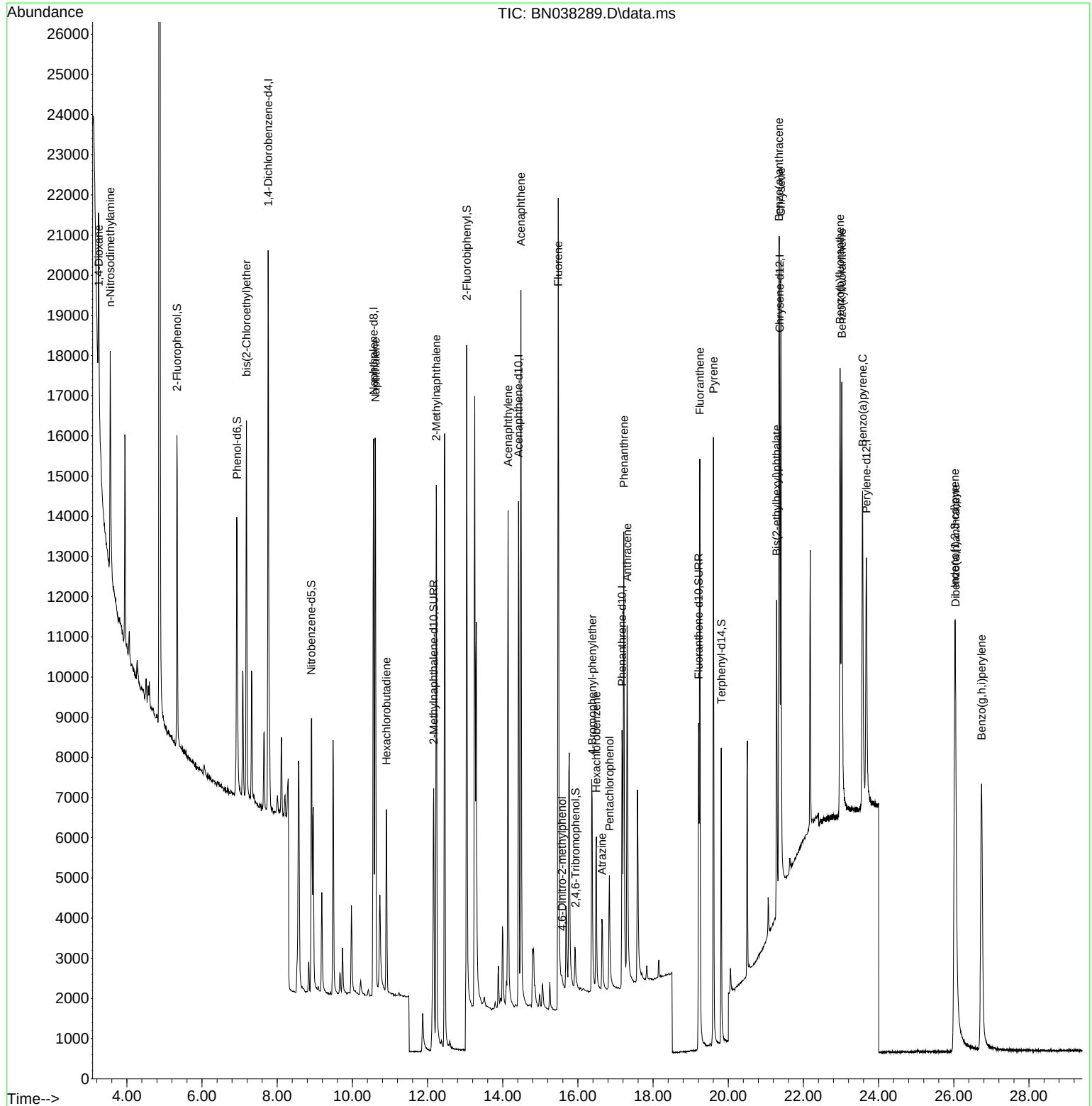
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
 Data File : BN038289.D  
 Acq On : 06 Dec 2025 00:55  
 Operator : RC/JU  
 Sample : PB170838BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB170838BS

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025  
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 06 01:31:20 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 28 21:04:10 2025  
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
 Data File : BN038290.D  
 Acq On : 06 Dec 2025 01:32  
 Operator : RC/JU  
 Sample : PB170838BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB170838BSD

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025  
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 06 03:22:41 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 28 21:04:10 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.761  | 152  | 6710     | 0.400 | ng     | 0.00     |
| 7) Naphthalene-d8             | 10.562 | 136  | 17808    | 0.400 | ng     | -0.01    |
| 13) Acenaphthene-d10          | 14.420 | 164  | 7711     | 0.400 | ng     | -0.01    |
| 19) Phenanthrene-d10          | 17.173 | 188  | 11030    | 0.400 | ng     | #-0.01   |
| 29) Chrysene-d12              | 21.367 | 240  | 9170     | 0.400 | ng     | 0.00     |
| 35) Perylene-d12              | 23.674 | 264  | 9318     | 0.400 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) 2-Fluorophenol             | 5.334  | 112  | 5574     | 0.355 | ng     | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 6244     | 0.319 | ng     | 0.00     |
| 8) Nitrobenzene-d5            | 8.907  | 82   | 5209     | 0.366 | ng     | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.162 | 152  | 8483m    | 0.336 | ng     | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.932 | 330  | 753      | 0.310 | ng     | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.041 | 172  | 12021    | 0.404 | ng     | -0.01    |
| 27) Fluoranthene-d10          | 19.211 | 212  | 9232     | 0.386 | ng     | 0.00     |
| 31) Terphenyl-d14             | 19.815 | 244  | 7154     | 0.338 | ng     | 0.00     |
|                               |        |      |          |       |        |          |
| Target Compounds              |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.254  | 88   | 2191     | 0.310 | ng     | # 46     |
| 3) n-Nitrosodimethylamine     | 3.557  | 42   | 2989     | 0.343 | ng     | 96       |
| 6) bis(2-Chloroethyl)ether    | 7.183  | 93   | 6324     | 0.337 | ng     | 97       |
| 9) Naphthalene                | 10.605 | 128  | 17110    | 0.346 | ng     | 99       |
| 10) Hexachlorobutadiene       | 10.904 | 225  | 3172     | 0.377 | ng     | # 98     |
| 12) 2-Methylnaphthalene       | 12.233 | 142  | 9566     | 0.294 | ng     | 99       |
| 16) Acenaphthylene            | 14.142 | 152  | 13059    | 0.379 | ng     | 99       |
| 17) Acenaphthene              | 14.484 | 154  | 7931     | 0.330 | ng     | 98       |
| 18) Fluorene                  | 15.478 | 166  | 9500     | 0.305 | ng     | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.572 | 198  | 206      | 0.347 | ng     | # 64     |
| 21) 4-Bromophenyl-phenylether | 16.379 | 248  | 2578     | 0.337 | ng     | 99       |
| 22) Hexachlorobenzene         | 16.491 | 284  | 3363     | 0.358 | ng     | 97       |
| 23) Atrazine                  | 16.640 | 200  | 1714     | 0.351 | ng     | # 91     |
| 24) Pentachlorophenol         | 16.838 | 266  | 1688     | 0.655 | ng     | 99       |
| 25) Phenanthrene              | 17.223 | 178  | 11833    | 0.342 | ng     | 99       |
| 26) Anthracene                | 17.310 | 178  | 10550    | 0.357 | ng     | 100      |
| 28) Fluoranthene              | 19.243 | 202  | 12671    | 0.380 | ng     | 99       |
| 30) Pyrene                    | 19.606 | 202  | 13070    | 0.285 | ng     | 100      |
| 32) Benzo(a)anthracene        | 21.349 | 228  | 11259    | 0.363 | ng     | 99       |
| 33) Chrysene                  | 21.402 | 228  | 13503    | 0.368 | ng     | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 5015     | 0.295 | ng     | 98       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.028 | 276  | 16471    | 0.382 | ng     | 99       |
| 37) Benzo(b)fluoranthene      | 22.976 | 252  | 13219    | 0.346 | ng     | 97       |
| 38) Benzo(k)fluoranthene      | 23.022 | 252  | 14429    | 0.363 | ng     | 97       |
| 39) Benzo(a)pyrene            | 23.569 | 252  | 11901    | 0.371 | ng     | 98       |
| 40) Dibenzo(a,h)anthracene    | 26.045 | 278  | 12263    | 0.376 | ng     | 99       |
| 41) Benzo(g,h,i)perylene      | 26.738 | 276  | 14353    | 0.368 | ng     | 97       |

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

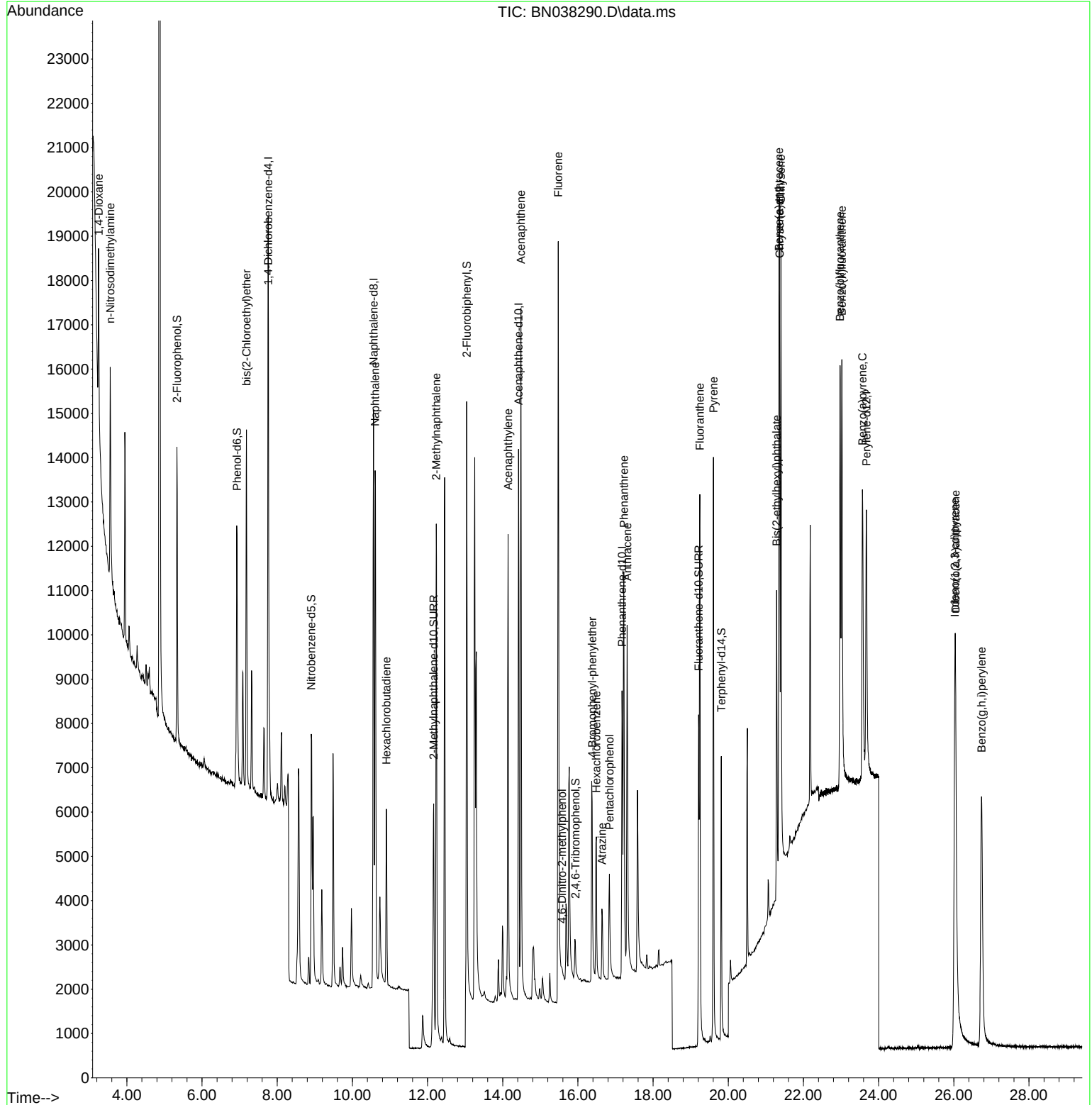
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120625\  
 Data File : BN038290.D  
 Acq On : 06 Dec 2025 01:32  
 Operator : RC/JU  
 Sample : PB170838BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB170838BSD

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025  
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 06 03:22:41 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 28 21:04:10 2025  
 Response via : Initial Calibration



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BN112725 | Instrument | BNA_n |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------|------------|----------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| SSTDICC0.1 | BN038212.D | Benzo(g,h,i)perylene | Jagrut    | 12/2/2025 4:10:05 PM | mohammad      | 12/3/2025 1:12:27 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BN120625 | Instrument | BNA_n |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter                   | Review By | Review On               | Supervised By | Supervised On            | Reason                      |
|-------------|------------|-----------------------------|-----------|-------------------------|---------------|--------------------------|-----------------------------|
| PB170838BS  | BN038289.D | 2-Methylnaphthalene-d1<br>0 | Jagrut    | 12/8/2025 3:29:59<br>PM | mohammad      | 12/9/2025<br>12:44:58 AM | Peak Integrated by Software |
| PB170838BSD | BN038290.D | 2-Methylnaphthalene-d1<br>0 | Jagrut    | 12/8/2025 3:30:02<br>PM | mohammad      | 12/9/2025<br>12:44:58 AM | Peak Integrated by Software |



## Manual Integration Report

Sequence:

BN121025

Instrument

BNA\_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason



Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BN121125 | Instrument | BNA_n |
|-----------|----------|------------|-------|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|-----------|---------|-----------|-----------|-----------|---------------|---------------|--------|
|-----------|---------|-----------|-----------|-----------|---------------|---------------|--------|

Instrument ID: BNA\_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN112725

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Jagrut                                           | Review On         | 12/2/2025 3:36:38 PM                          |
| Supervise By             | mohammad                                         | Supervise On      | 12/3/2025 1:12:27 AM                          |
| SubDirectory             | BN112725                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN112725 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904 |                   |                                               |
| CCC                      | SP6902                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6906                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BN038211.D     | 26 Nov 2025 19:55 | RC/JU    | Ok     |
| 2   | SSTDICC0.1  | BN038212.D     | 26 Nov 2025 20:35 | RC/JU    | Ok,M   |
| 3   | SSTDICC0.2  | BN038213.D     | 26 Nov 2025 21:12 | RC/JU    | Ok     |
| 4   | SSTDICCC0.4 | BN038214.D     | 26 Nov 2025 21:48 | RC/JU    | Ok     |
| 5   | SSTDICC0.8  | BN038215.D     | 26 Nov 2025 22:25 | RC/JU    | Ok     |
| 6   | SSTDICC1.6  | BN038216.D     | 26 Nov 2025 23:01 | RC/JU    | Ok     |
| 7   | SSTDICC3.2  | BN038217.D     | 26 Nov 2025 23:37 | RC/JU    | Ok     |
| 8   | SSTDICC5.0  | BN038218.D     | 27 Nov 2025 00:13 | RC/JU    | Ok     |
| 9   | SSTDICV0.4  | BN038219.D     | 27 Nov 2025 00:49 | RC/JU    | Ok     |
| 10  | PB170483BL  | BN038220.D     | 27 Nov 2025 02:01 | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN120625

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Jagrut                                           | Review On         | 12/8/2025 3:30:30 PM                          |
| Supervise By             | mohammad                                         | Supervise On      | 12/9/2025 12:44:58 AM                         |
| SubDirectory             | BN120625                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN112725 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904 |                   |                                               |
| CCC                      | SP6902                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6906                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | DFTPP       | BN038286.D     | 05 Dec 2025 22:23 | RC/JU    | Ok       |
| 2   | SSTDCCC0.4  | BN038287.D     | 05 Dec 2025 23:42 | RC/JU    | Ok       |
| 3   | PB170838BL  | BN038288.D     | 06 Dec 2025 00:19 | RC/JU    | Ok       |
| 4   | PB170838BS  | BN038289.D     | 06 Dec 2025 00:55 | RC/JU    | Ok,M     |
| 5   | PB170838BSD | BN038290.D     | 06 Dec 2025 01:32 | RC/JU    | Ok,M     |
| 6   | Q3756-01    | BN038291.D     | 06 Dec 2025 02:08 | RC/JU    | Ok       |
| 7   | Q3756-03    | BN038292.D     | 06 Dec 2025 02:45 | RC/JU    | Dilution |
| 8   | Q3756-05    | BN038293.D     | 06 Dec 2025 03:21 | RC/JU    | Ok       |
| 9   | Q3756-07    | BN038294.D     | 06 Dec 2025 03:58 | RC/JU    | Ok,M     |
| 10  | Q3756-09    | BN038295.D     | 06 Dec 2025 04:35 | RC/JU    | Ok       |
| 11  | Q3757-01    | BN038296.D     | 06 Dec 2025 05:11 | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121025

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | rahul                                            | Review On         | 12/11/2025 4:30:54 PM                         |
| Supervise By             | mohammad                                         | Supervise On      | 12/13/2025 12:56:07 AM                        |
| SubDirectory             | BN121025                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN121025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                               |
| CCC                      | SP6945                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6949                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status   |
|-----|------------|----------------|-------------------|----------|----------|
| 1   | DFTPP      | BN038297.D     | 10 Dec 2025 09:12 | RC/JU    | Ok       |
| 2   | SSTDIC0.1  | BN038298.D     | 10 Dec 2025 09:52 | RC/JU    | Ok       |
| 3   | SSTDIC0.2  | BN038299.D     | 10 Dec 2025 10:28 | RC/JU    | Ok       |
| 4   | SSTDIC0.4  | BN038300.D     | 10 Dec 2025 11:05 | RC/JU    | Ok       |
| 5   | SSTDIC0.8  | BN038301.D     | 10 Dec 2025 11:41 | RC/JU    | Ok       |
| 6   | SSTDIC1.6  | BN038302.D     | 10 Dec 2025 12:17 | RC/JU    | Ok       |
| 7   | SSTDIC3.2  | BN038303.D     | 10 Dec 2025 12:53 | RC/JU    | Ok       |
| 8   | SSTDIC5.0  | BN038304.D     | 10 Dec 2025 13:30 | RC/JU    | Ok       |
| 9   | SSTDICV0.4 | BN038305.D     | 10 Dec 2025 14:06 | RC/JU    | Ok       |
| 10  | PB170590BL | BN038306.D     | 10 Dec 2025 14:42 | RC/JU    | Ok       |
| 11  | Q3483-11   | BN038307.D     | 10 Dec 2025 15:18 | RC/JU    | Dilution |
| 12  | Q3483-11DL | BN038308.D     | 10 Dec 2025 15:54 | RC/JU    | Ok,M     |
| 13  | SSTDIC0.4  | BN038309.D     | 10 Dec 2025 17:15 | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121125**

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | rahul                                            | Review On         | 12/11/2025 4:31:02 PM                         |
| Supervise By             | Jagrut                                           | Supervise On      | 12/12/2025 2:27:51 PM                         |
| SubDirectory             | BN121125                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN121025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                               |
| CCC                      | SP6945                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6949                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status   |
|-----|------------|----------------|-------------------|----------|----------|
| 1   | DFTPP      | BN038310.D     | 11 Dec 2025 10:33 | RC/JU    | Ok       |
| 2   | SSTDCCC0.4 | BN038311.D     | 11 Dec 2025 11:13 | RC/JU    | Ok       |
| 3   | PB170850BL | BN038312.D     | 11 Dec 2025 11:49 | RC/JU    | Ok       |
| 4   | Q3757-03   | BN038313.D     | 11 Dec 2025 12:25 | RC/JU    | Dilution |
| 5   | Q3757-05   | BN038314.D     | 11 Dec 2025 13:01 | RC/JU    | Ok       |
| 6   | Q3757-07   | BN038315.D     | 11 Dec 2025 13:38 | RC/JU    | Ok       |
| 7   | Q3757-09   | BN038316.D     | 11 Dec 2025 14:14 | RC/JU    | Ok       |
| 8   | Q3757-11   | BN038317.D     | 11 Dec 2025 14:50 | RC/JU    | Ok       |
| 9   | Q3787-07   | BN038318.D     | 11 Dec 2025 15:27 | RC/JU    | Ok       |
| 10  | Q3787-09   | BN038319.D     | 11 Dec 2025 16:03 | RC/JU    | Ok       |
| 11  | Q3787-11   | BN038320.D     | 11 Dec 2025 16:39 | RC/JU    | Ok       |
| 12  | Q3787-13   | BN038321.D     | 11 Dec 2025 17:15 | RC/JU    | Ok       |
| 13  | Q3787-15   | BN038322.D     | 11 Dec 2025 17:52 | RC/JU    | Ok       |
| 14  | Q3787-17   | BN038323.D     | 11 Dec 2025 18:28 | RC/JU    | Ok       |
| 15  | Q3787-19   | BN038324.D     | 11 Dec 2025 19:04 | RC/JU    | Ok       |
| 16  | Q3788-07   | BN038325.D     | 11 Dec 2025 19:40 | RC/JU    | Ok       |
| 17  | Q3788-11   | BN038326.D     | 11 Dec 2025 20:16 | RC/JU    | Ok       |
| 18  | PB170850BS | BN038327.D     | 11 Dec 2025 20:52 | RC/JU    | Ok,M     |
| 19  | SSTDCCC0.4 | BN038328.D     | 11 Dec 2025 21:28 | RC/JU    | Ok       |
| 20  | DFTPP      | BN038329.D     | 11 Dec 2025 23:20 | RC/JU    | Ok       |
| 21  | SSTDCCC0.4 | BN038330.D     | 11 Dec 2025 23:59 | RC/JU    | Ok       |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121125**

| Review By                | rahul                                            | Review On         | 12/11/2025 4:31:02 PM                         |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 12/12/2025 2:27:51 PM                         |
| SubDirectory             | BN121125                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method BN121025 |
| STD. NAME                | STD REF.#                                        |                   |                                               |
| Tune/Reschk              | SP6875                                           |                   |                                               |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                               |
| CCC                      | SP6945                                           |                   |                                               |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                               |
| ICV/I.BLK                | SP6949                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

|    |             |            |                   |       |          |
|----|-------------|------------|-------------------|-------|----------|
| 22 | PB170850BL  | BN038331.D | 12 Dec 2025 00:36 | RC/JU | Not Ok   |
| 23 | Q3756-03DL  | BN038332.D | 12 Dec 2025 01:13 | RC/JU | Ok       |
| 24 | Q3757-03DL  | BN038333.D | 12 Dec 2025 01:49 | RC/JU | Ok       |
| 25 | Q3788-01    | BN038334.D | 12 Dec 2025 02:25 | RC/JU | Dilution |
| 26 | Q3788-02MS  | BN038335.D | 12 Dec 2025 03:01 | RC/JU | Ok,M     |
| 27 | Q3788-03MSD | BN038336.D | 12 Dec 2025 03:37 | RC/JU | Ok,M     |
| 28 | Q3787-01    | BN038337.D | 12 Dec 2025 04:13 | RC/JU | Ok       |
| 29 | Q3787-02MS  | BN038338.D | 12 Dec 2025 04:49 | RC/JU | Ok,M     |
| 30 | Q3787-03MSD | BN038339.D | 12 Dec 2025 05:25 | RC/JU | Ok,M     |
| 31 | Q3788-09    | BN038340.D | 12 Dec 2025 06:02 | RC/JU | Ok       |
| 32 | SSTDCCC0.4  | BN038341.D | 12 Dec 2025 06:38 | RC/JU | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN112725**

|              |          |                   |                                           |
|--------------|----------|-------------------|-------------------------------------------|
| Review By    | Jagrut   | Review On         | 12/2/2025 3:36:38 PM                      |
| Supervise By | mohammad | Supervise On      | 12/3/2025 1:12:27 AM                      |
| SubDirectory | BN112725 | HP Acquire Method | BNA_N, 8270_HP Processing Method BN112725 |

| STD. NAME                | STD REF.#                                        |
|--------------------------|--------------------------------------------------|
| Tune/Reschk              | SP6875                                           |
| Initial Calibration Stds | SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904 |
| CCC                      | SP6902                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |
| ICV/I.BLK                | SP6906                                           |
| Surrogate Standard       |                                                  |
| MS/MSD Standard          |                                                  |
| LCS Standard             |                                                  |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                                | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|----------------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP       | BN038211.D     | 26 Nov 2025 19:55 |                                        | RC/JU    | Ok     |
| 2   | SSTDICC0.1  | SSTDICC0.1  | BN038212.D     | 26 Nov 2025 20:35 |                                        | RC/JU    | Ok,M   |
| 3   | SSTDICC0.2  | SSTDICC0.2  | BN038213.D     | 26 Nov 2025 21:12 |                                        | RC/JU    | Ok     |
| 4   | SSTDICCC0.4 | SSTDICCC0.4 | BN038214.D     | 26 Nov 2025 21:48 | Compound #20 kept on QR.               | RC/JU    | Ok     |
| 5   | SSTDICC0.8  | SSTDICC0.8  | BN038215.D     | 26 Nov 2025 22:25 |                                        | RC/JU    | Ok     |
| 6   | SSTDICC1.6  | SSTDICC1.6  | BN038216.D     | 26 Nov 2025 23:01 |                                        | RC/JU    | Ok     |
| 7   | SSTDICC3.2  | SSTDICC3.2  | BN038217.D     | 26 Nov 2025 23:37 |                                        | RC/JU    | Ok     |
| 8   | SSTDICC5.0  | SSTDICC5.0  | BN038218.D     | 27 Nov 2025 00:13 | Compound #14,24 removed from 5.0 level | RC/JU    | Ok     |
| 9   | SSTDICV0.4  | ICVBN112725 | BN038219.D     | 27 Nov 2025 00:49 | ICV failed for compound #05,20,24      | RC/JU    | Ok     |
| 10  | PB170483BL  | PB170483BL  | BN038220.D     | 27 Nov 2025 02:01 |                                        | RC/JU    | Ok     |

M : Manual Integration



Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN120625**

|                          |                                                  |                   |                                           |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | Jagrut                                           | Review On         | 12/8/2025 3:30:30 PM                      |
| Supervise By             | mohammad                                         | Supervise On      | 12/9/2025 12:44:58 AM                     |
| SubDirectory             | BN120625                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method BN112725 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                           |
| Tune/Reschk              | SP6875                                           |                   |                                           |
| Initial Calibration Stds | SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904 |                   |                                           |
| CCC                      | SP6902                                           |                   |                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                           |
| ICV/I.BLK                | SP6906                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

| Sr# | SampleId    | ClientID           | Data File Name | Date-Time         | Comment          | Operator | Status   |
|-----|-------------|--------------------|----------------|-------------------|------------------|----------|----------|
| 1   | DFTPP       | DFTPP              | BN038286.D     | 05 Dec 2025 22:23 |                  | RC/JU    | Ok       |
| 2   | SSTDCCC0.4  | SSTDCCC0.4         | BN038287.D     | 05 Dec 2025 23:42 |                  | RC/JU    | Ok       |
| 3   | PB170838BL  | PB170838BL         | BN038288.D     | 06 Dec 2025 00:19 |                  | RC/JU    | Ok       |
| 4   | PB170838BS  | PB170838BS         | BN038289.D     | 06 Dec 2025 00:55 |                  | RC/JU    | Ok,M     |
| 5   | PB170838BSD | PB170838BSD        | BN038290.D     | 06 Dec 2025 01:32 |                  | RC/JU    | Ok,M     |
| 6   | Q3756-01    | OW-04B-26.5-120225 | BN038291.D     | 06 Dec 2025 02:08 |                  | RC/JU    | Ok       |
| 7   | Q3756-03    | BR-01-190-120225   | BN038292.D     | 06 Dec 2025 02:45 | Need 2X Dilution | RC/JU    | Dilution |
| 8   | Q3756-05    | MW-04-12-120225    | BN038293.D     | 06 Dec 2025 03:21 |                  | RC/JU    | Ok       |
| 9   | Q3756-07    | MW-13B-47.5-120225 | BN038294.D     | 06 Dec 2025 03:58 |                  | RC/JU    | Ok,M     |
| 10  | Q3756-09    | EB01-120225        | BN038295.D     | 06 Dec 2025 04:35 |                  | RC/JU    | Ok       |
| 11  | Q3757-01    | MW-14A-17.5-120325 | BN038296.D     | 06 Dec 2025 05:11 |                  | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121025**

|                          |                                                  |                   |                                           |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | rahul                                            | Review On         | 12/11/2025 4:30:54 PM                     |
| Supervise By             | mohammad                                         | Supervise On      | 12/13/2025 12:56:07 AM                    |
| SubDirectory             | BN121025                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method BN121025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                           |
| Tune/Reschk              | SP6875                                           |                   |                                           |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                           |
| CCC                      | SP6945                                           |                   |                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                           |
| ICV/I.BLK                | SP6949                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

| Sr# | SampleID    | ClientID           | Data File Name | Date-Time         | Comment                                                               | Operator | Status   |
|-----|-------------|--------------------|----------------|-------------------|-----------------------------------------------------------------------|----------|----------|
| 1   | DFTPP       | DFTPP              | BN038297.D     | 10 Dec 2025 09:12 |                                                                       | RC/JU    | Ok       |
| 2   | SSTDICC0.1  | SSTDICC0.1         | BN038298.D     | 10 Dec 2025 09:52 |                                                                       | RC/JU    | Ok       |
| 3   | SSTDICC0.2  | SSTDICC0.2         | BN038299.D     | 10 Dec 2025 10:28 |                                                                       | RC/JU    | Ok       |
| 4   | SSTDICCC0.4 | SSTDICCC0.4        | BN038300.D     | 10 Dec 2025 11:05 |                                                                       | RC/JU    | Ok       |
| 5   | SSTDICC0.8  | SSTDICC0.8         | BN038301.D     | 10 Dec 2025 11:41 |                                                                       | RC/JU    | Ok       |
| 6   | SSTDICC1.6  | SSTDICC1.6         | BN038302.D     | 10 Dec 2025 12:17 |                                                                       | RC/JU    | Ok       |
| 7   | SSTDICC3.2  | SSTDICC3.2         | BN038303.D     | 10 Dec 2025 12:53 |                                                                       | RC/JU    | Ok       |
| 8   | SSTDICC5.0  | SSTDICC5.0         | BN038304.D     | 10 Dec 2025 13:30 | Comp# 20<br>(4,6-Dinitro-2-methylphenol)<br>removed from 5.0 ng level | RC/JU    | Ok       |
| 9   | SSTDICV0.4  | ICVBN121025        | BN038305.D     | 10 Dec 2025 14:06 |                                                                       | RC/JU    | Ok       |
| 10  | PB170590BL  | PB170590BL         | BN038306.D     | 10 Dec 2025 14:42 |                                                                       | RC/JU    | Ok       |
| 11  | Q3483-11    | HW1025-PT-BNA-SOIL | BN038307.D     | 10 Dec 2025 15:18 | Need 100X Dilution                                                    | RC/JU    | Dilution |
| 12  | Q3483-11DL  | HW1025-PT-BNA-SOIL | BN038308.D     | 10 Dec 2025 15:54 |                                                                       | RC/JU    | Ok,M     |
| 13  | SSTDCCC0.4  | SSTDCCC0.4EC       | BN038309.D     | 10 Dec 2025 17:15 |                                                                       | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121125**

|                          |                                                  |                   |                                           |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | rahul                                            | Review On         | 12/11/2025 4:31:02 PM                     |
| Supervise By             | Jagrut                                           | Supervise On      | 12/12/2025 2:27:51 PM                     |
| SubDirectory             | BN121125                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method BN121025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                           |
| Tune/Reschk              | SP6875                                           |                   |                                           |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                           |
| CCC                      | SP6945                                           |                   |                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                           |
| ICV/I.BLK                | SP6949                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

| Sr# | SampleID   | ClientID            | Data File Name | Date-Time         | Comment           | Operator | Status   |
|-----|------------|---------------------|----------------|-------------------|-------------------|----------|----------|
| 1   | DFTPP      | DFTPP               | BN038310.D     | 11 Dec 2025 10:33 |                   | RC/JU    | Ok       |
| 2   | SSTDCCC0.4 | SSTDCCC0.4          | BN038311.D     | 11 Dec 2025 11:13 |                   | RC/JU    | Ok       |
| 3   | PB170850BL | PB170850BL          | BN038312.D     | 11 Dec 2025 11:49 |                   | RC/JU    | Ok       |
| 4   | Q3757-03   | BR-03D-490-120325   | BN038313.D     | 11 Dec 2025 12:25 | Need 10X Dilution | RC/JU    | Dilution |
| 5   | Q3757-05   | MW-14B-46-120325    | BN038314.D     | 11 Dec 2025 13:01 |                   | RC/JU    | Ok       |
| 6   | Q3757-07   | RMW-05B-90.5-120325 | BN038315.D     | 11 Dec 2025 13:38 |                   | RC/JU    | Ok       |
| 7   | Q3757-09   | OW-05B-72-120325    | BN038316.D     | 11 Dec 2025 14:14 |                   | RC/JU    | Ok       |
| 8   | Q3757-11   | EB01-120325         | BN038317.D     | 11 Dec 2025 14:50 |                   | RC/JU    | Ok       |
| 9   | Q3787-07   | OWBR-02-170-120425  | BN038318.D     | 11 Dec 2025 15:27 |                   | RC/JU    | Ok       |
| 10  | Q3787-09   | OWBR-02-170-120425  | BN038319.D     | 11 Dec 2025 16:03 |                   | RC/JU    | Ok       |
| 11  | Q3787-11   | OW-03B-51.5-120425  | BN038320.D     | 11 Dec 2025 16:39 |                   | RC/JU    | Ok       |
| 12  | Q3787-13   | OW-03B-51.5-120425  | BN038321.D     | 11 Dec 2025 17:15 |                   | RC/JU    | Ok       |
| 13  | Q3787-15   | OW-08B-72.5-120425  | BN038322.D     | 11 Dec 2025 17:52 |                   | RC/JU    | Ok       |
| 14  | Q3787-17   | OW-08B-72.5-120425  | BN038323.D     | 11 Dec 2025 18:28 |                   | RC/JU    | Ok       |
| 15  | Q3787-19   | OW-02B-21.2-120425  | BN038324.D     | 11 Dec 2025 19:04 |                   | RC/JU    | Ok       |
| 16  | Q3788-07   | OW-01B-66.5-120525  | BN038325.D     | 11 Dec 2025 19:40 |                   | RC/JU    | Ok       |
| 17  | Q3788-11   | MW-16B-87.5-120525  | BN038326.D     | 11 Dec 2025 20:16 |                   | RC/JU    | Ok       |
| 18  | PB170850BS | PB170850BS          | BN038327.D     | 11 Dec 2025 20:52 |                   | RC/JU    | Ok,M     |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN121125**

| Review By                | rahul                                            | Review On         | 12/11/2025 4:31:02 PM                     |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 12/12/2025 2:27:51 PM                     |
| SubDirectory             | BN121125                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method BN121025 |
| STD. NAME                | STD REF.#                                        |                   |                                           |
| Tune/Reschk              | SP6875                                           |                   |                                           |
| Initial Calibration Stds | SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940 |                   |                                           |
| CCC                      | SP6945                                           |                   |                                           |
| Internal Standard/PEM    | SP6907,10ul/1000ul sample                        |                   |                                           |
| ICV/I.BLK                | SP6949                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

|    |             |                     |            |                   |                                  |       |          |
|----|-------------|---------------------|------------|-------------------|----------------------------------|-------|----------|
| 19 | SSTDCCC0.4  | SSTDCCC0.4EC        | BN038328.D | 11 Dec 2025 21:28 |                                  | RC/JU | Ok       |
| 20 | DFTPP       | DFTPP               | BN038329.D | 11 Dec 2025 23:20 |                                  | RC/JU | Ok       |
| 21 | SSTDCCC0.4  | SSTDCCC0.4          | BN038330.D | 11 Dec 2025 23:59 |                                  | RC/JU | Ok       |
| 22 | PB170850BL  | PB170850BL          | BN038331.D | 12 Dec 2025 00:36 | Analyzed for contamination check | RC/JU | Not Ok   |
| 23 | Q3756-03DL  | BR-01-190-120225DL  | BN038332.D | 12 Dec 2025 01:13 |                                  | RC/JU | Ok       |
| 24 | Q3757-03DL  | BR-03D-490-120325DL | BN038333.D | 12 Dec 2025 01:49 |                                  | RC/JU | Ok       |
| 25 | Q3788-01    | OWBR-05-135-120525  | BN038334.D | 12 Dec 2025 02:25 | Need 10X                         | RC/JU | Dilution |
| 26 | Q3788-02MS  | OWBR-05-135-120525  | BN038335.D | 12 Dec 2025 03:01 |                                  | RC/JU | Ok,M     |
| 27 | Q3788-03MSD | OWBR-05-135-120525  | BN038336.D | 12 Dec 2025 03:37 |                                  | RC/JU | Ok,M     |
| 28 | Q3787-01    | MW-15B-42.5-120425  | BN038337.D | 12 Dec 2025 04:13 |                                  | RC/JU | Ok       |
| 29 | Q3787-02MS  | MW-15B-42.5-120425M | BN038338.D | 12 Dec 2025 04:49 |                                  | RC/JU | Ok,M     |
| 30 | Q3787-03MSD | MW-15B-42.5-120425M | BN038339.D | 12 Dec 2025 05:25 |                                  | RC/JU | Ok,M     |
| 31 | Q3788-09    | TA-BR-05-465-120525 | BN038340.D | 12 Dec 2025 06:02 |                                  | RC/JU | Ok       |
| 32 | SSTDCCC0.4  | SSTDCCC0.4EC        | BN038341.D | 12 Dec 2025 06:38 |                                  | RC/JU | Ok       |

M : Manual Integration

**SOP ID:** M3510C,3580A-Extraction SVOC-21

**Clean Up SOP #:** N/A **Extraction Start Date :** 12/05/2025

**Matrix :** Water **Extraction Start Time :** 08:45

**Weigh By:** N/A **Extraction By:** RS **Extraction End Date :** 12/05/2025

**Balance check:** N/A **Filter By:** RS **Extraction End Time :** 13:45

**Balance ID:** N/A **pH Meter ID:** N/A **Concentration By:** EH

**pH Strip Lot#:** E3953 **Hood ID:** 4,5,6,7 **Supervisor By :** RUPESH

**Extraction Method:** ☒ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 0.4 PPM             | SP6938              |
| Surrogate     | 1.0ML    | 0.4 PPM             | SP6893              |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| Methylene Chloride | N/A            | E3986      |
| Baked Na2SO4       | N/A            | EP2663     |
| H2SO4 1:1          | N/A            | EP2657     |
| 10N NaoH           | N/A            | EP2658     |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

**Extraction Conformance/Non-Conformance Comments:**

pH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH ,1.5ML Vial Lot #2210443.

**KD Bath ID:** WATER BATH-1,2 **Envap ID:** NEVAP-02

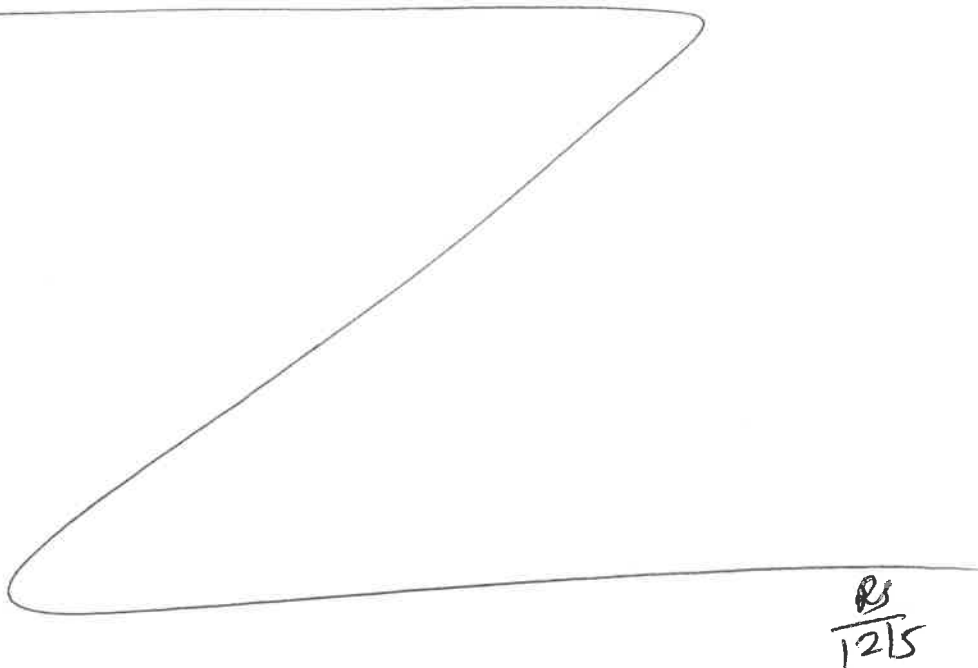
**KD Bath Temperature:** 60 °C **Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 12/5/25     | RS (Ext-Lab)                            | J4/SVOC              |
| 13:50       | Preparation Group                       | Analysis Group       |

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 12/05/2025

| Sample ID       | Client Sample ID    | Test               | g /mL | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|---------------------|--------------------|-------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                     |                    |       |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB170838BL      | SBLK838             | SVOC-SIMGrou<br>p1 | 1000  | 6  | RUPEsh         | ritesh     | 1                  |       |          | SEP-1       |
| PB170838BS      | SLCS838             | SVOC-SIMGrou<br>p1 | 1000  | 6  | RUPEsh         | ritesh     | 1                  |       |          | 2           |
| PB170838BS<br>D | SLCSD838            | SVOC-SIMGrou<br>p1 | 1000  | 6  | RUPEsh         | ritesh     | 1                  |       |          | 3           |
| Q3756-01        | OW-04B-26.5-120225  | SVOC-SIMGrou<br>p1 | 960   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 4           |
| Q3756-03        | BR-01-190-120225    | SVOC-SIMGrou<br>p1 | 970   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 5           |
| Q3756-05        | MW-04-12-120225     | SVOC-SIMGrou<br>p1 | 900   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 6           |
| Q3756-07        | MW-13B-47.5-120225  | SVOC-SIMGrou<br>p1 | 1000  | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 7           |
| Q3756-09        | EB01-120225         | SVOC-SIMGrou<br>p1 | 950   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 8           |
| Q3757-01        | MW-14A-17.5-120325  | SVOC-SIMGrou<br>p1 | 890   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 9           |
| Q3757-03        | BR-03D-490-120325   | SVOC-SIMGrou<br>p1 | 910   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 10          |
| Q3757-05        | MW-14B-46-120325    | SVOC-SIMGrou<br>p1 | 920   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 11          |
| Q3757-07        | RMW-05B-90.5-120325 | SVOC-SIMGrou<br>p1 | 970   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 12          |
| Q3757-09        | OW-05B-72-120325    | SVOC-SIMGrou<br>p1 | 950   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 13          |
| Q3757-11        | EB01-120325         | SVOC-SIMGrou<br>p1 | 870   | 6  | RUPEsh         | ritesh     | 1                  | E     |          | 14          |



\* Extracts relinquished on the same date as received.

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3756      WorkList ID : 193498      Department : Extraction      Date : 12-05-2025 08:40:23

| Sample   | Customer Sample     | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method        |
|----------|---------------------|--------|----------------|--------------|----------|-----------------------------|--------------|---------------|
| Q3756-01 | OW-04B-26.5-120225  | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/02/2025   | 8270-Modified |
| Q3756-03 | BR-01-190-120225    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/02/2025   | 8270-Modified |
| Q3756-05 | MW-04-12-120225     | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/02/2025   | 8270-Modified |
| Q3756-07 | MW-13B-47.5-120225  | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/02/2025   | 8270-Modified |
| Q3756-09 | EB01-120225         | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/02/2025   | 8270-Modified |
| Q3757-01 | MW-14A-17.5-120325  | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |
| Q3757-03 | BR-03D-490-120325   | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |
| Q3757-05 | MW-14B-46-120325    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |
| Q3757-07 | RMW-05B-90.5-120325 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |
| Q3757-09 | OW-05B-72-120325    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |
| Q3757-11 | EB01-120325         | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | A11                         | 12/03/2025   | 8270-Modified |

Date/Time 12/5/25 8:40  
Raw Sample Received by: RS(Ext 66)  
Raw Sample Relinquished by: CS

Date/Time 12/5/25 9:20  
Raw Sample Received by: CS  
Raw Sample Relinquished by: RS(Ext 66)

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q3757                          | <b>OrderDate:</b> | 12/3/2025 9:25:00 AM                      |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | --Select--,A11,VOA Lab                    |

| LabID             | ClientID                        | Matrix       | Test           | Method        | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------|---------------------------------|--------------|----------------|---------------|-----------------|-----------|-----------|-----------------|
| <b>Q3757-01</b>   | <b>MW-14A-17.5-120325</b>       | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/03/25</b> | 12/05/25  | 12/06/25  | <b>12/03/25</b> |
| <b>Q3757-03</b>   | <b>BR-03D-490-120325</b>        | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/03/25</b> | 12/05/25  | 12/11/25  | <b>12/03/25</b> |
| <b>Q3757-03DL</b> | <b>BR-03D-490-120325D<br/>L</b> | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/03/25</b> | 12/05/25  | 12/12/25  | <b>12/03/25</b> |
| <b>Q3757-05</b>   | <b>MW-14B-46-120325</b>         | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/03/25</b> | 12/05/25  | 12/11/25  | <b>12/03/25</b> |
| <b>Q3757-07</b>   | <b>RMW-05B-90.5-12032<br/>5</b> | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/03/25</b> | 12/05/25  | 12/11/25  | <b>12/03/25</b> |
| <b>Q3757-09</b>   | <b>OW-05B-72-120325</b>         | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/03/25</b> | 12/05/25  | 12/11/25  | <b>12/03/25</b> |
| <b>Q3757-11</b>   | <b>EB01-120325</b>              | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>12/03/25</b> | 12/05/25  | 12/11/25  | <b>12/03/25</b> |





# SHIPPING DOCUMENTS



CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs  
ADDRESS: 412 Mt Kumbie Ave Suite H100  
CITY: Morristown STATE: NJ ZIP: 07960  
ATTENTION: John Yubante  
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC  
PROJECT NO.: D4033126 LOCATION: Princeton Junction  
PROJECT MANAGER: Mary Murphy  
e-mail: Mary.Murphy@Jacobs.com  
PHONE: (201) 936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:  
ADDRESS:  
CITY STATE: ZIP:  
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS\*  
HARDCOPY (DATA PACKAGE): DAYS\*  
EDD: DAYS\*  
\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP  
☒ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B  
+ Raw Data ☐ Other  
☐ EDD FORMAT

Site Specific VOCs  
(82100-51M)  
Time VOCs Site Specific  
(SFAM) (114-101M)  
114-101M  
(82100-51M)

PRESERVATIVES

COMMENTS

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |     |   |  |  |  |  |  |  | COMMENTS<br>← Specify Preservatives<br>A-HCl D-NaOH<br>B-HNO3 E-ICE<br>C-H2SO4 F-OTHER |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|-----|---|--|--|--|--|--|--|----------------------------------------------------------------------------------------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | A/E           | A/E | E |  |  |  |  |  |  |                                                                                        |
| 1.                       | EB01-120325                      | DI               |                | X    | 12/3/25              | 1530 | 8            | X             | X   | X |  |  |  |  |  |  |                                                                                        |
| 2.                       | TB01-120325                      | DI               |                | X    | 12/3/25              | 0800 | 4            | X             | X   |   |  |  |  |  |  |  |                                                                                        |
| 3.                       |                                  |                  |                |      |                      |      |              |               |     |   |  |  |  |  |  |  |                                                                                        |
| 4.                       |                                  |                  |                |      |                      |      |              |               |     |   |  |  |  |  |  |  |                                                                                        |
| 5.                       |                                  |                  |                |      |                      |      |              |               |     |   |  |  |  |  |  |  |                                                                                        |
| 6.                       |                                  |                  |                |      |                      |      |              |               |     |   |  |  |  |  |  |  |                                                                                        |
| 7.                       |                                  |                  |                |      |                      |      |              |               |     |   |  |  |  |  |  |  |                                                                                        |
| 8.                       |                                  |                  |                |      |                      |      |              |               |     |   |  |  |  |  |  |  |                                                                                        |
| 9.                       |                                  |                  |                |      |                      |      |              |               |     |   |  |  |  |  |  |  |                                                                                        |
| 10.                      |                                  |                  |                |      |                      |      |              |               |     |   |  |  |  |  |  |  |                                                                                        |

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                                                   |                                          |                                                   |                                                                                                                                                                           |
|---------------------------------------------------|------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. <u>[Signature]</u> | DATE/TIME: <u>1610</u><br><u>12-3-25</u> | RECEIVED BY: <u>[Signature]</u><br><u>12-3-25</u> | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>2.8</u> °C |
| RELINQUISHED BY SAMPLER:<br>2. <u>[Signature]</u> | DATE/TIME:                               | RECEIVED BY:                                      | Comments: <u>See work order for list of site specific VOCs</u>                                                                                                            |
| RELINQUISHED BY SAMPLER:<br>3. <u>[Signature]</u> | DATE/TIME: <u>1747</u><br><u>12-3-25</u> | RECEIVED BY:                                      |                                                                                                                                                                           |

Page 2 of 2 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

### Laboratory Certification

| Certified By    | License No.      |
|-----------------|------------------|
|                 |                  |
| Connecticut     | PH-0830          |
|                 |                  |
| DOD ELAP (ANAB) | L2219            |
|                 |                  |
| Maine           | 2024021          |
|                 |                  |
| Maryland        | 296              |
|                 |                  |
| New Hampshire   | 255425           |
|                 |                  |
| New Jersey      | 20012            |
|                 |                  |
| New York        | 11376            |
|                 |                  |
| Pennsylvania    | 68-00548         |
|                 |                  |
| Soil Permit     | 525-24-234-08441 |
|                 |                  |
| Texas           | TX-C25-00189     |
|                 |                  |
| Virginia        | 460312           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                               |        |                                                |                                            |
|-----------------------------------------------|--------|------------------------------------------------|--------------------------------------------|
| <b>Order ID :</b> Q3757                       | JACO05 | <b>Order Date :</b> 12/3/2025 9:25:00 AM       | <b>Project Mgr :</b> Deepak                |
| <b>Client Name :</b> JACOBS Engineering Grou  |        | <b>Project Name :</b> Former Schlumberger STC  | <b>Report Type :</b> Level 3               |
| <b>Client Contact :</b> John Ynfante          |        | <b>Receive DateTime :</b> 12/3/2025 5:47:00 PM | <b>EDD Type :</b> CH2MHILL                 |
| <b>Invoice Name :</b> JACOBS Engineering Grou |        | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>                    |
| <b>Invoice Contact :</b> John Ynfante         |        |                                                | <b>Date Signoff :</b> 12/4/2025 2:28:49 PM |

| LAB ID   | CLIENT ID               | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD      | FAX DATE     | DUE DATES |
|----------|-------------------------|--------|-------------|-------------|--------------|------------|-------------|--------------|-----------|
| Q3757-01 | MW-14A-17.5-120325      | Water  | 12/03/2025  | 10:20       |              |            |             |              |           |
|          |                         |        |             |             | VOCMS Group3 |            | 8260-Low    | 10 Bus. Days |           |
| Q3757-02 | MW-14A-17.5-120325-SIM  | Water  | 12/03/2025  | 10:20       |              |            |             |              |           |
|          |                         |        |             |             | VOC-SIM      |            | SFAM_VOCSIM | 10 Bus. Days |           |
| Q3757-03 | BR-03D-490-120325       | Water  | 12/03/2025  | 12:50       |              |            |             |              |           |
|          |                         |        |             |             | VOCMS Group3 |            | 8260-Low    | 10 Bus. Days |           |
| Q3757-04 | BR-03D-490-120325-SIM   | Water  | 12/03/2025  | 12:50       |              |            |             |              |           |
|          |                         |        |             |             | VOC-SIM      |            | SFAM_VOCSIM | 10 Bus. Days |           |
| Q3757-05 | MW-14B-46-120325        | Water  | 12/03/2025  | 13:00       |              |            |             |              |           |
|          |                         |        |             |             | VOCMS Group3 |            | 8260-Low    | 10 Bus. Days |           |
| Q3757-06 | MW-14B-46-120325-SIM    | Water  | 12/03/2025  | 13:00       |              |            |             |              |           |
|          |                         |        |             |             | VOC-SIM      |            | SFAM_VOCSIM | 10 Bus. Days |           |
| Q3757-07 | RMW-05B-90.5-120325     | Water  | 12/03/2025  | 13:50       |              |            |             |              |           |
|          |                         |        |             |             | VOCMS Group3 |            | 8260-Low    | 10 Bus. Days |           |
| Q3757-08 | RMW-05B-90.5-120325-SIM | Water  | 12/03/2025  | 13:50       |              |            |             |              |           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                               |        |                                                |                                            |
|-----------------------------------------------|--------|------------------------------------------------|--------------------------------------------|
| <b>Order ID :</b> Q3757                       | JACO05 | <b>Order Date :</b> 12/3/2025 9:25:00 AM       | <b>Project Mgr :</b> Deepak                |
| <b>Client Name :</b> JACOBS Engineering Grou  |        | <b>Project Name :</b> Former Schlumberger STC  | <b>Report Type :</b> Level 3               |
| <b>Client Contact :</b> John Ynfante          |        | <b>Receive DateTime :</b> 12/3/2025 5:47:00 PM | <b>EDD Type :</b> CH2MHILL                 |
| <b>Invoice Name :</b> JACOBS Engineering Grou |        | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>                    |
| <b>Invoice Contact :</b> John Ynfante         |        |                                                | <b>Date Signoff :</b> 12/4/2025 2:28:49 PM |

| LAB ID   | CLIENT ID            | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD      | FAX DATE     | DUE DATES |
|----------|----------------------|--------|-------------|-------------|--------------|------------|-------------|--------------|-----------|
|          |                      |        |             |             | VOC-SIM      |            | SFAM_VOCSIM | 10 Bus. Days |           |
| Q3757-09 | OW-05B-72-120325     | Water  | 12/03/2025  | 14:40       |              |            |             |              |           |
|          |                      |        |             |             | VOCMS Group3 |            | 8260-Low    | 10 Bus. Days |           |
| Q3757-10 | OW-05B-72-120325-SIM | Water  | 12/03/2025  | 14:40       |              |            |             |              |           |
|          |                      |        |             |             | VOC-SIM      |            | SFAM_VOCSIM | 10 Bus. Days |           |
| Q3757-11 | EB01-120325          | Water  | 12/03/2025  | 15:30       |              |            |             |              |           |
|          |                      |        |             |             | VOC-SIM      |            | SFAM_VOCSIM | 10 Bus. Days |           |
|          |                      |        |             |             | VOCMS Group3 |            | 8260-Low    | 10 Bus. Days |           |
| Q3757-12 | TB01-120325          | Water  | 12/03/2025  | 08:00       |              |            |             |              |           |
|          |                      |        |             |             | VOC-SIM      |            | SFAM_VOCSIM | 10 Bus. Days |           |
|          |                      |        |             |             | VOCMS Group3 |            | 8260-Low    | 10 Bus. Days |           |
| Q3757-14 | VHBLK001             | Water  | 12/03/2025  | 17:47       |              |            |             |              |           |
|          |                      |        |             |             | VOC-SIM      |            | SFAM_VOCSIM | 10 Bus. Days |           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                               |        |                                                |                                            |
|-----------------------------------------------|--------|------------------------------------------------|--------------------------------------------|
| <b>Order ID :</b> Q3757                       | JACO05 | <b>Order Date :</b> 12/3/2025 9:25:00 AM       | <b>Project Mgr :</b> Deepak                |
| <b>Client Name :</b> JACOBS Engineering Grou  |        | <b>Project Name :</b> Former Schlumberger STC  | <b>Report Type :</b> Level 3               |
| <b>Client Contact :</b> John Ynfante          |        | <b>Receive DateTime :</b> 12/3/2025 5:47:00 PM | <b>EDD Type :</b> CH2MHILL                 |
| <b>Invoice Name :</b> JACOBS Engineering Grou |        | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>                    |
| <b>Invoice Contact :</b> John Ynfante         |        |                                                | <b>Date Signoff :</b> 12/4/2025 2:28:49 PM |

| LAB ID | CLIENT ID | MATRIX | SAMPLE<br>DATE | SAMPLE<br>TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE<br>DATES |
|--------|-----------|--------|----------------|----------------|------|------------|--------|----------|--------------|
|--------|-----------|--------|----------------|----------------|------|------------|--------|----------|--------------|

Relinquished By : ap  
Date / Time : 12/4/25 9:30

Received By : JC  
Date / Time : 12/4/25 9:30  
Storage Area : VOA Refridgerator Room