

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060225\  
 Data File : VX046443.D  
 Acq On : 02 Jun 2025 14:23  
 Operator : JC/MD  
 Sample : Q2177-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB05312025

Quant Time: Jun 03 01:30:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

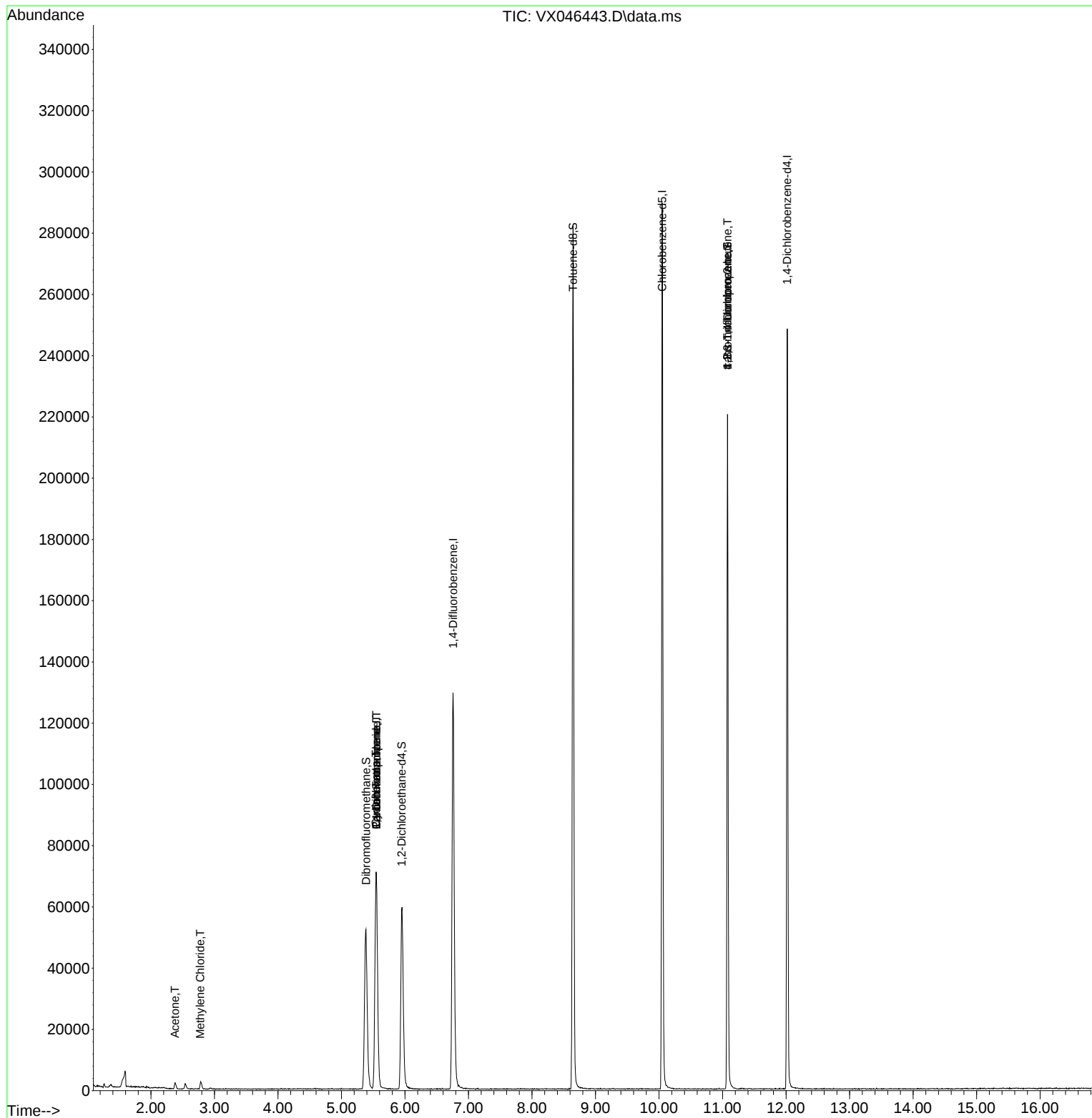
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 60305               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 121877              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049         | 117  | 116666              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 46245               | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.946          | 65   | 62362               | 55.468 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 110.940% |        |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 46036               | 52.454 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 104.900% |        |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 156104              | 51.390 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 102.780% |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 58195               | 49.944 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 99.880%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        |          |
|                               |                |      |                     |        | Qvalue |          |
| 16) Acetone                   | 2.380          | 43   | 2392                | 5.306  | ug/l # | 86       |
| 20) Methylene Chloride        | 2.776          | 84   | 1075                | 1.244  | ug/l # | 69       |
| 31) Cyclohexane               | 5.544          | 56   | 1758                | 1.312  | ug/l # | 12       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 6147                | 5.213  | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 7367                | 5.560  | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 33629               | 30.211 | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 33629               | 98.357 | ug/l # | 1        |
| -----                         |                |      |                     |        |        |          |

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

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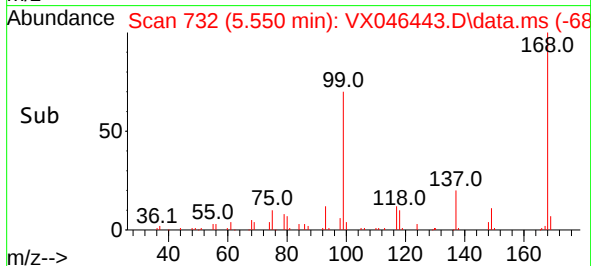
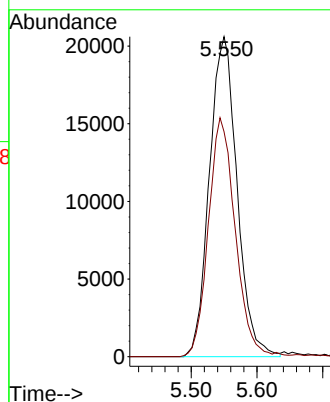
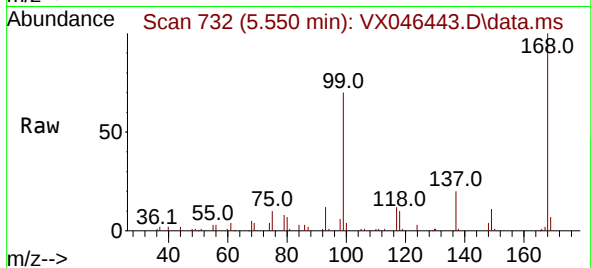




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX046443.D  
Acq: 02 Jun 2025 14:23

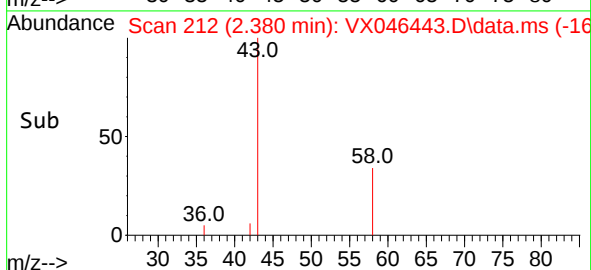
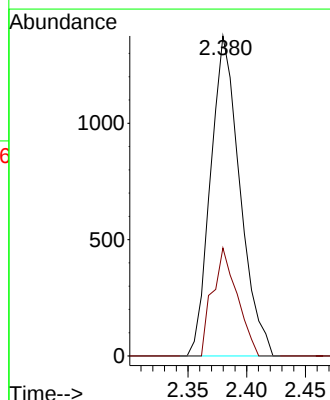
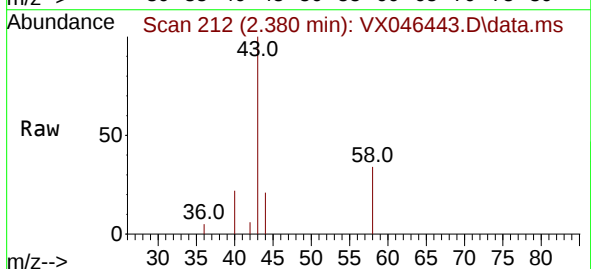
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB05312025

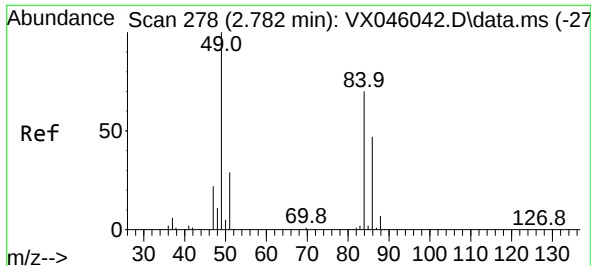
Tgt Ion:168 Resp: 60305  
Ion Ratio Lower Upper  
168 100  
99 70.3 54.9 82.3



#16  
Acetone  
Concen: 5.306 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX046443.D  
Acq: 02 Jun 2025 14:23

Tgt Ion: 43 Resp: 2392  
Ion Ratio Lower Upper  
43 100  
58 33.7 21.2 31.8#

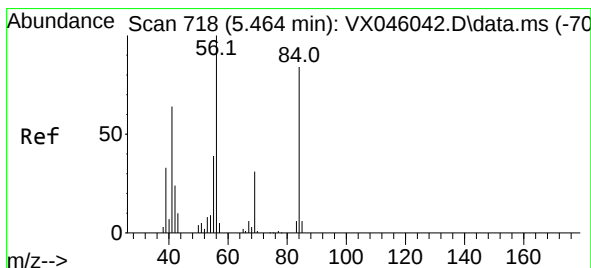
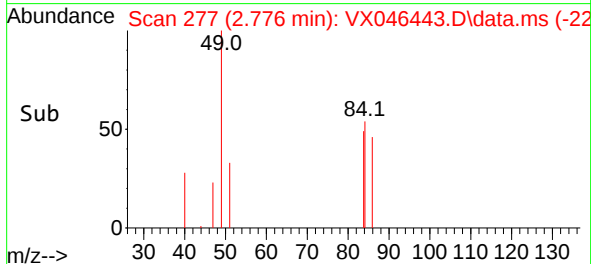
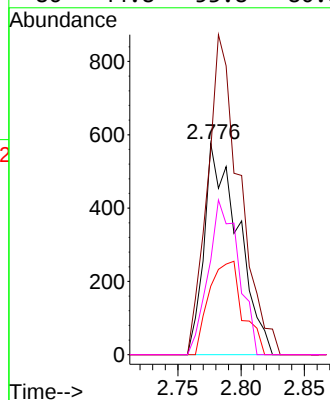
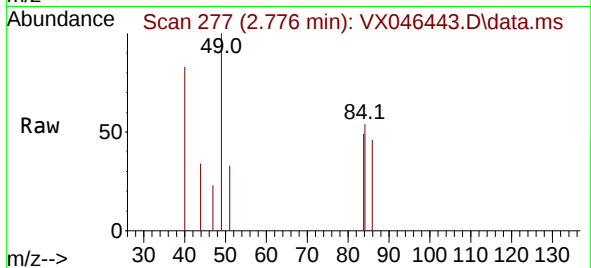




#20  
Methylene Chloride  
Concen: 1.244 ug/l  
RT: 2.776 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX046443.D  
Acq: 02 Jun 2025 14:23

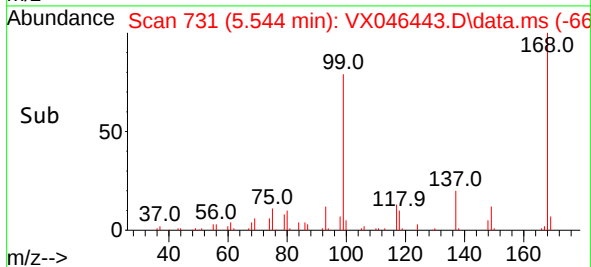
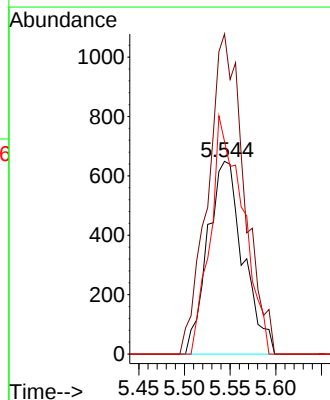
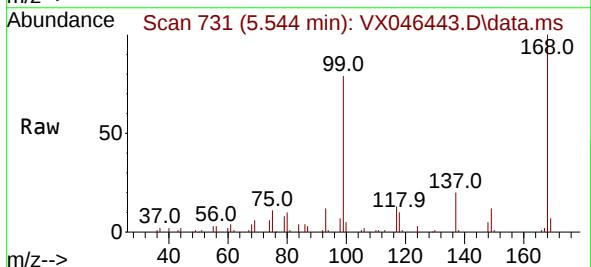
Instrument :  
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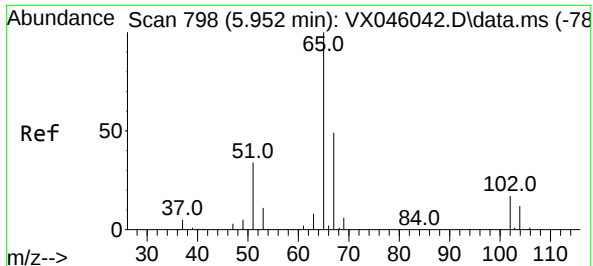
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1075   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 97.0  | 113.9 | 170.9# |
| 51       | 32.5  | 33.5  | 50.3#  |
| 86       | 44.8  | 53.8  | 80.8#  |



#31  
Cyclohexane  
Concen: 1.312 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.079 min  
Lab File: VX046443.D  
Acq: 02 Jun 2025 14:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 1758   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 166.1 | 24.4  | 36.6#  |
| 84       | 110.3 | 66.9  | 100.3# |





#33

1,2-Dichloroethane-d4

Concen: 55.468 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046443.D

Acq: 02 Jun 2025 14:23

Instrument :

MSVOA\_X

ClientSampleId :

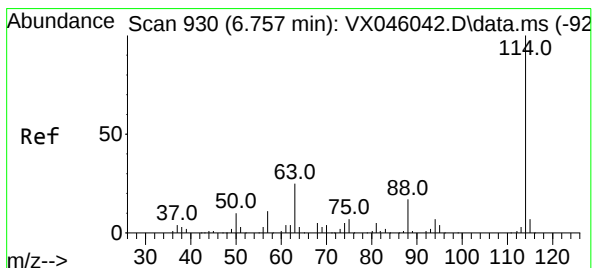
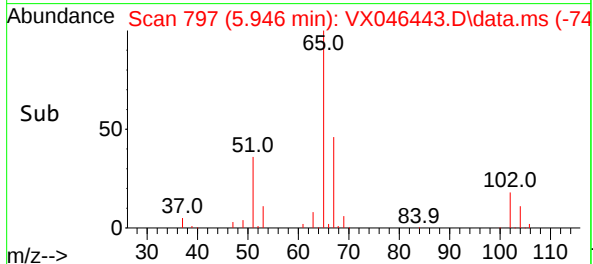
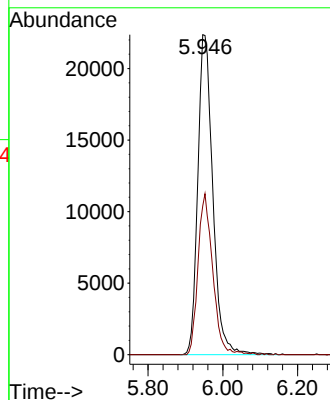
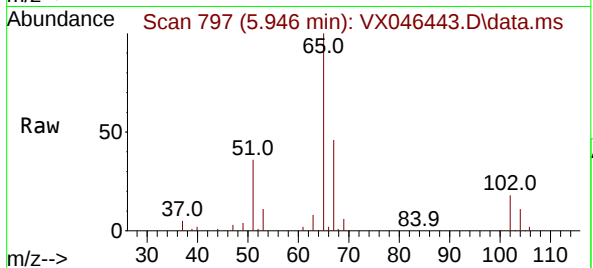
EB05312025

Tgt Ion: 65 Resp: 62362

Ion Ratio Lower Upper

65 100

67 48.6 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046443.D

Acq: 02 Jun 2025 14:23

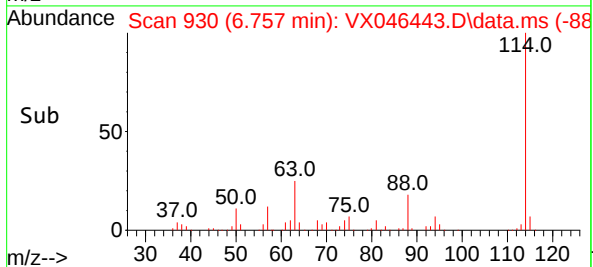
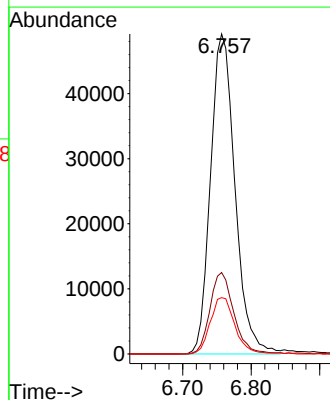
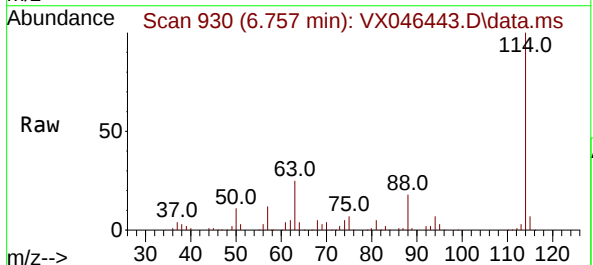
Tgt Ion: 114 Resp: 121877

Ion Ratio Lower Upper

114 100

63 25.5 0.0 49.2

88 17.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 52.454 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046443.D

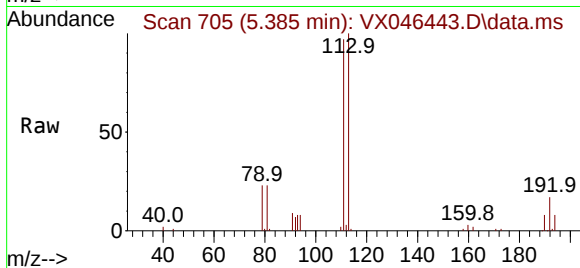
Acq: 02 Jun 2025 14:23

Instrument :

MSVOA\_X

ClientSampleId :

EB05312025



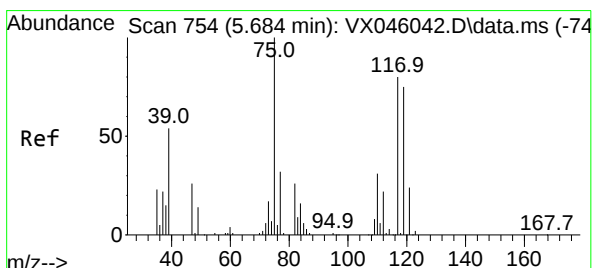
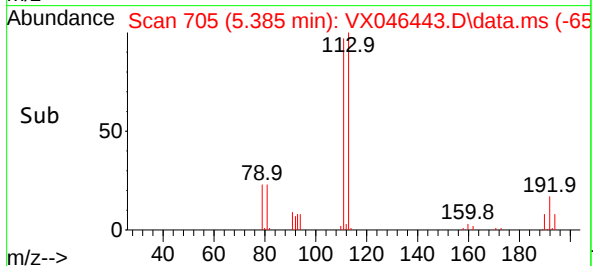
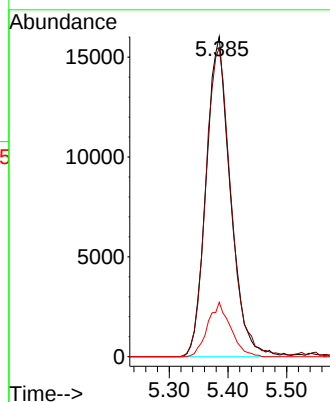
Tgt Ion:113 Resp: 46036

Ion Ratio Lower Upper

113 100

111 100.2 83.1 124.7

192 16.0 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.213 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX046443.D

Acq: 02 Jun 2025 14:23

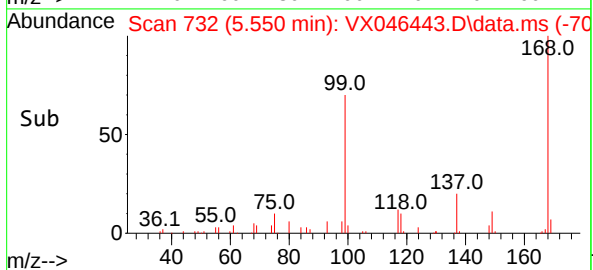
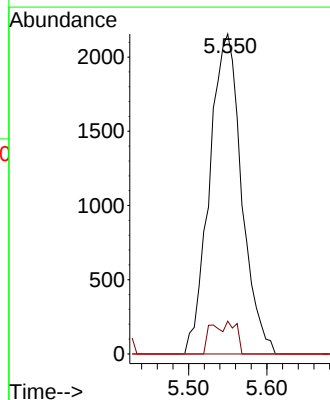
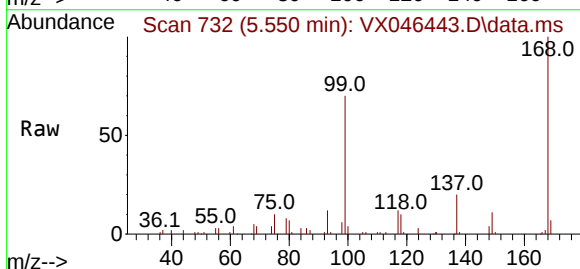
Tgt Ion: 75 Resp: 6147

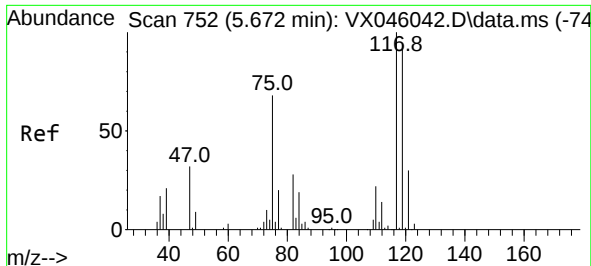
Ion Ratio Lower Upper

75 100

110 3.6 16.3 48.9#

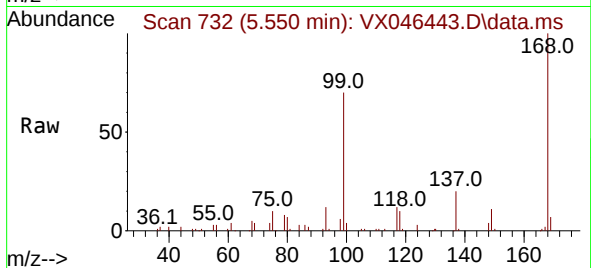
77 0.0 24.3 36.5#



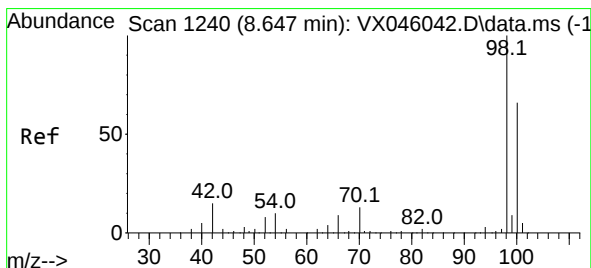
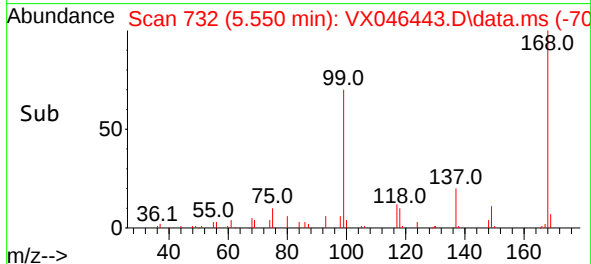
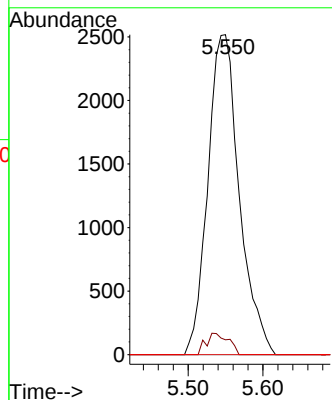


#38  
Carbon Tetrachloride  
Concen: 5.560 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX046443.D  
Acq: 02 Jun 2025 14:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB05312025

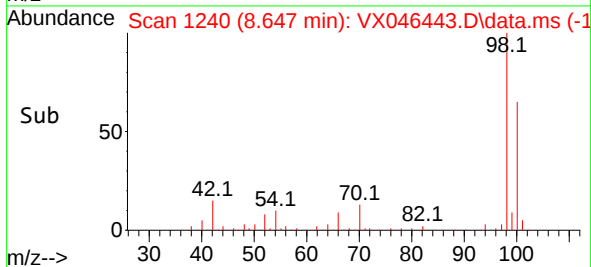
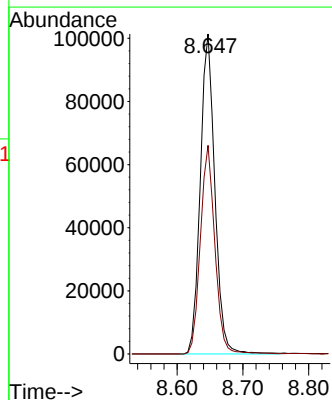
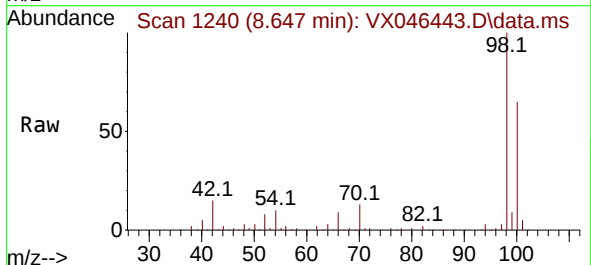


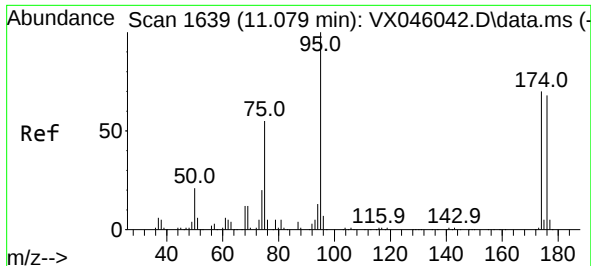
Tgt Ion:117 Resp: 7367  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.2 112.8#  
121 0.0 24.2 36.4#



#50  
Toluene-d8  
Concen: 51.390 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX046443.D  
Acq: 02 Jun 2025 14:23

Tgt Ion: 98 Resp: 156104  
Ion Ratio Lower Upper  
98 100  
100 65.0 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 49.944 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046443.D

Acq: 02 Jun 2025 14:23

Instrument :

MSVOA\_X

ClientSampleId :

EB05312025

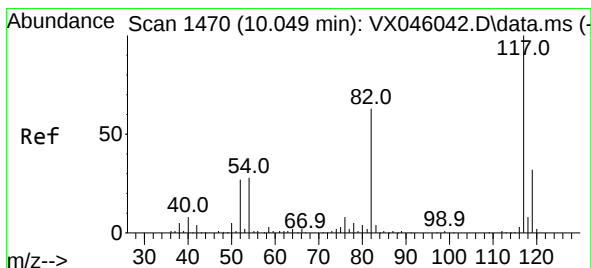
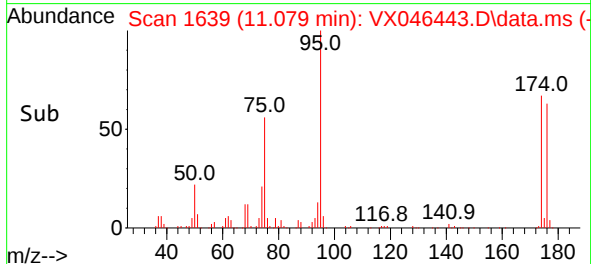
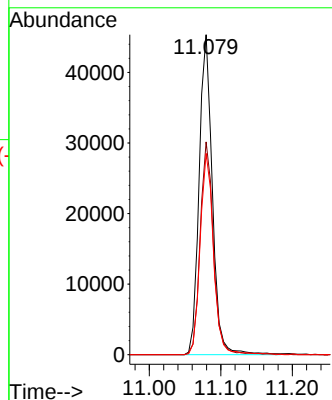
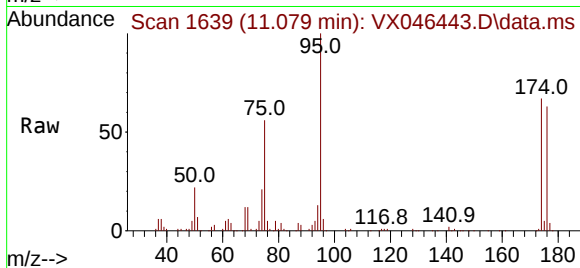
Tgt Ion: 95 Resp: 58195

Ion Ratio Lower Upper

95 100

174 66.7 0.0 135.8

176 63.6 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046443.D

Acq: 02 Jun 2025 14:23

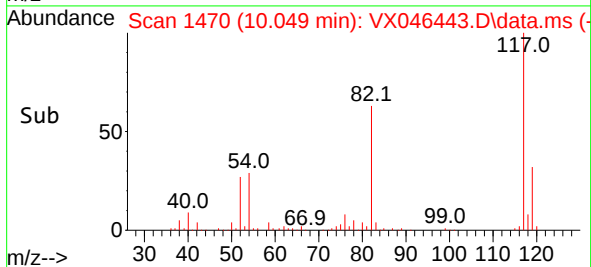
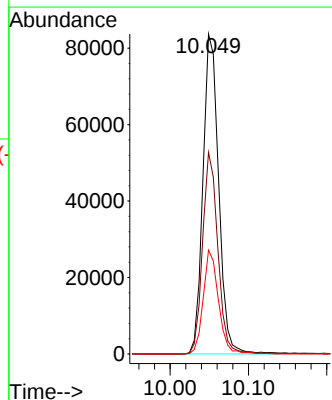
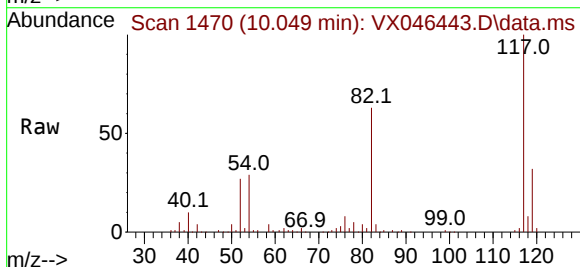
Tgt Ion: 117 Resp: 116666

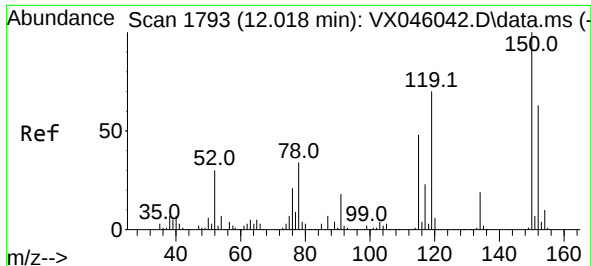
Ion Ratio Lower Upper

117 100

82 63.0 50.6 76.0

119 32.5 25.8 38.6

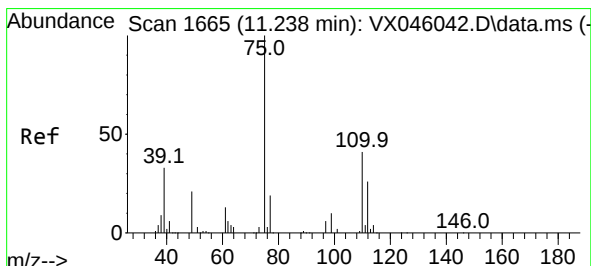
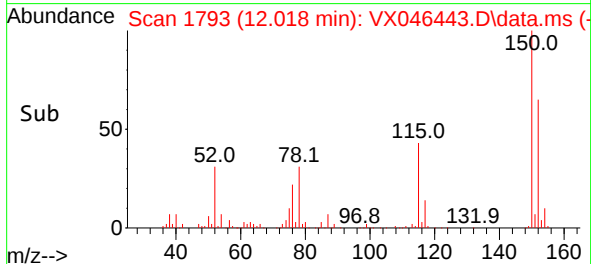
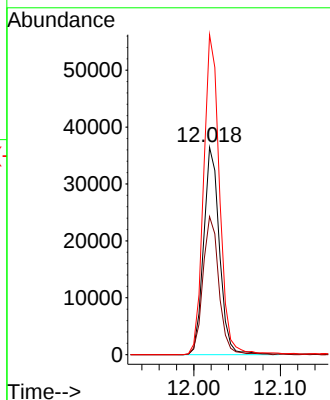
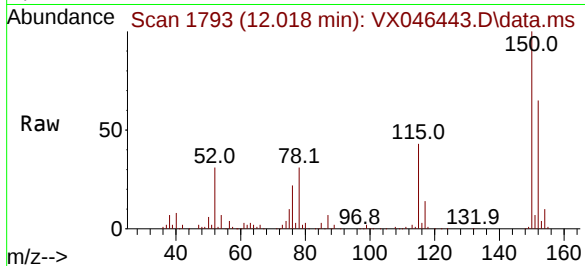




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX046443.D  
Acq: 02 Jun 2025 14:23

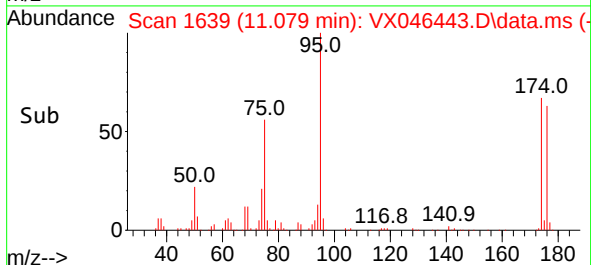
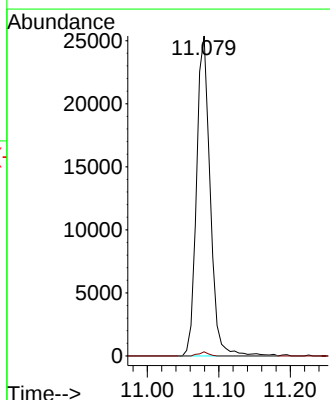
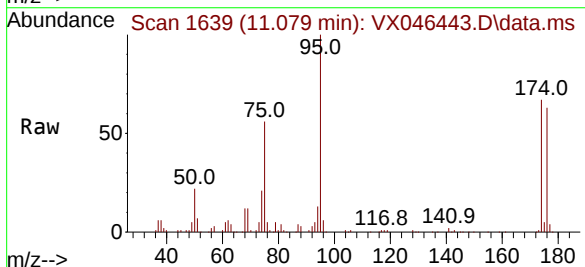
Instrument :  
MSVOA\_X  
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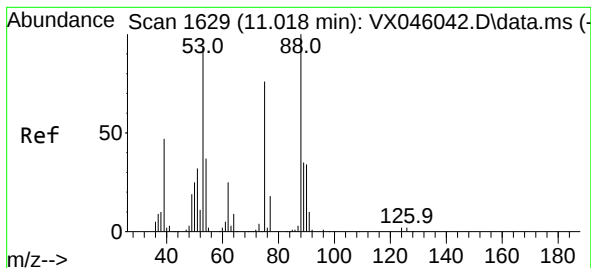
Tgt Ion:152 Resp: 46245  
Ion Ratio Lower Upper  
152 100  
115 67.2 46.9 140.7  
150 155.7 0.0 351.0



#76  
1,2,3-Trichloropropane  
Concen: 30.211 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX046443.D  
Acq: 02 Jun 2025 14:23

Tgt Ion: 75 Resp: 33629  
Ion Ratio Lower Upper  
75 100  
77 0.9 20.5 61.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 98.357 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX046443.D  
 Acq: 02 Jun 2025 14:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB05312025

Tgt Ion: 75 Resp: 33629  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 100.5 150.7#  
 89 0.0 37.0 55.6#

