

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030525\  
 Data File : VX045146.D  
 Acq On : 05 Mar 2025 16:42  
 Operator : JC/MD  
 Sample : Q1501-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB01-030525

Quant Time: Mar 06 01:09:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

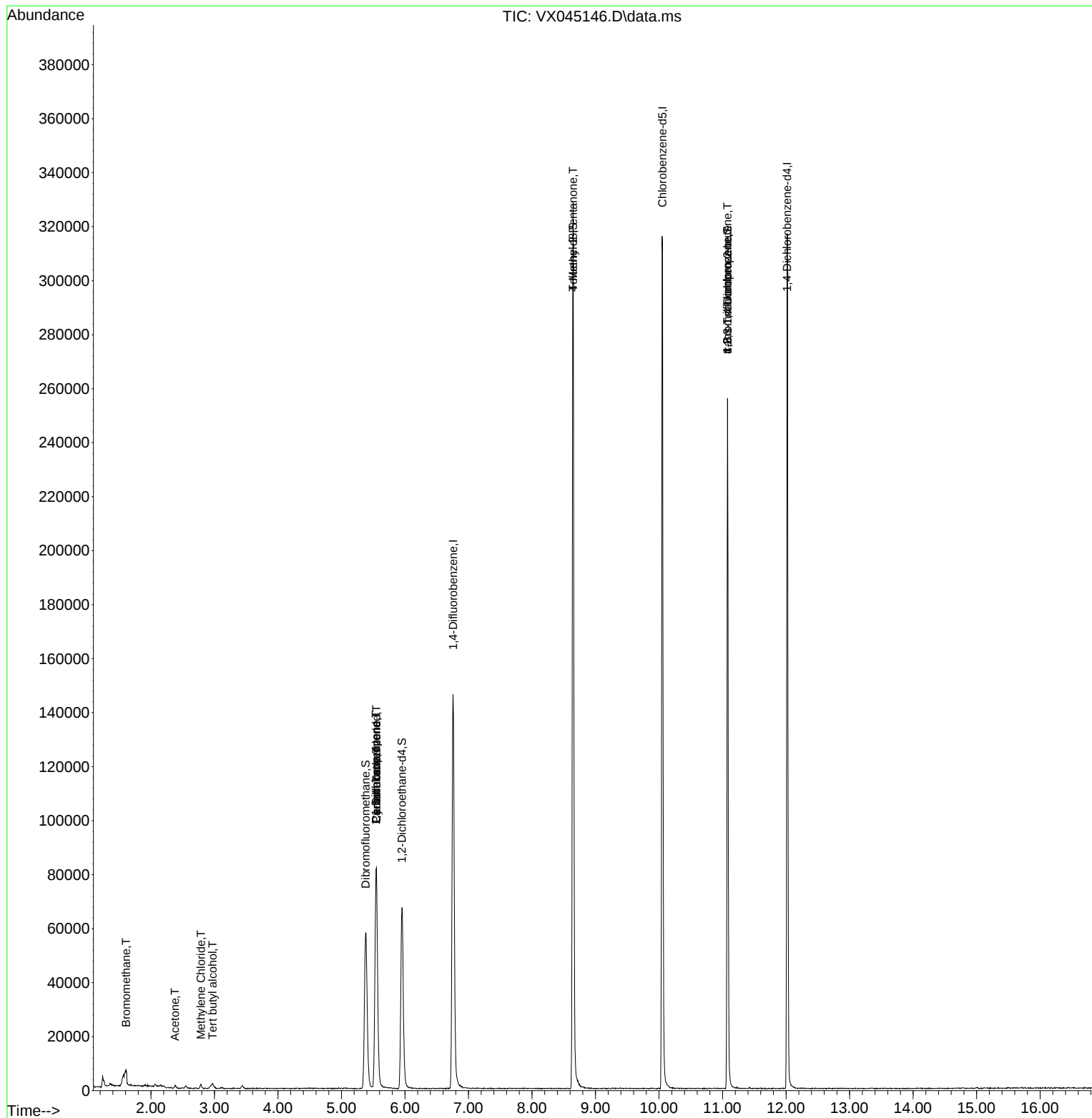
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 76618               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 152804              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 141933              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 61013               | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 64818               | 53.185 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 106.380% |        |        |          |
| 35) Dibromofluoromethane      | 5.379          | 113  | 52313               | 51.199 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 102.400% |        |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 192904              | 52.077 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 104.160% |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 65419               | 53.296 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 106.600% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        |          |
|                               |                |      |                     |        | Qvalue |          |
| 5) Bromomethane               | 1.605          | 94   | 104                 | 0.226  | ug/l # | 3        |
| 11) Tert butyl alcohol        | 2.971          | 59   | 2345                | 10.158 | ug/l # | 87       |
| 16) Acetone                   | 2.380          | 43   | 1127                | 1.993  | ug/l # | 76       |
| 20) Methylene Chloride        | 2.788          | 84   | 710                 | 0.634  | ug/l # | 74       |
| 31) Cyclohexane               | 5.550          | 56   | 2137                | 1.289  | ug/l # | 32       |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 7097                | 5.065  | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 8209                | 5.770  | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 901                 | 0.503  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 35748               | 25.173 | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 35748               | 86.147 | ug/l # | 6        |
| -----                         |                |      |                     |        |        |          |

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

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Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-030525

Quant Time: Mar 06 01:09:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration

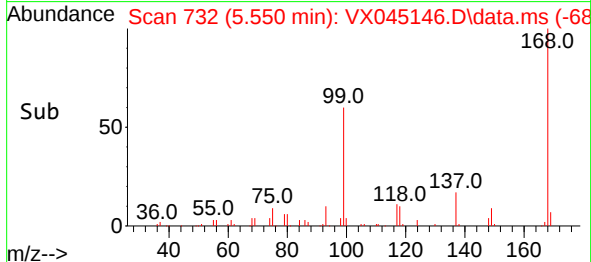
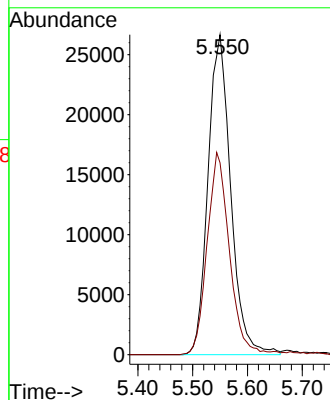
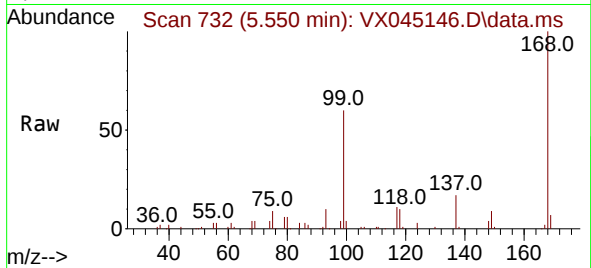




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

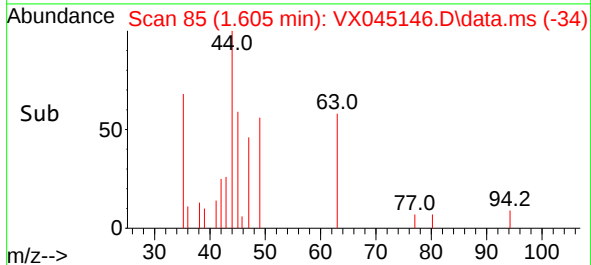
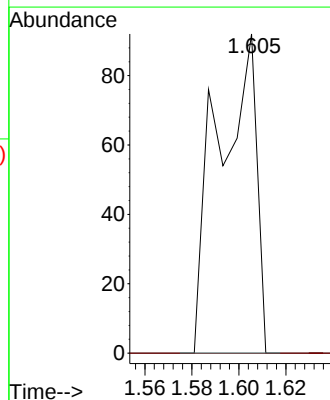
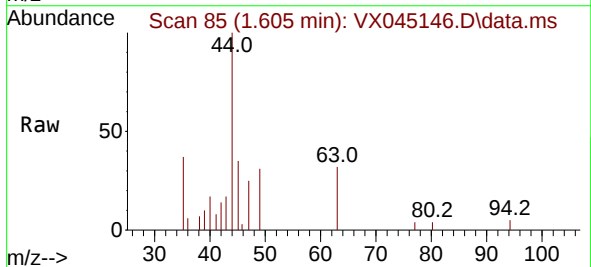
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-030525

Tgt Ion:168 Resp: 76618  
Ion Ratio Lower Upper  
168 100  
99 59.9 48.2 72.4



#5  
Bromomethane  
Concen: 0.226 ug/l  
RT: 1.605 min Scan# 85  
Delta R.T. 0.012 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

Tgt Ion: 94 Resp: 104  
Ion Ratio Lower Upper  
94 100  
96 0.0 75.0 112.4#

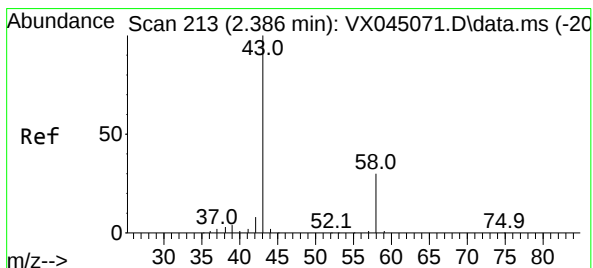
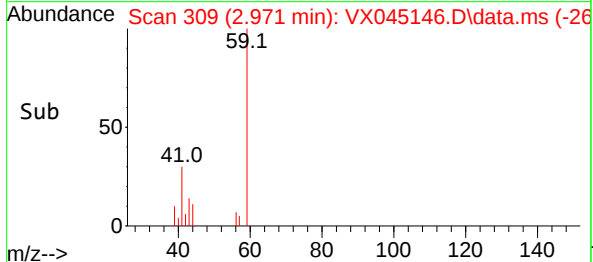
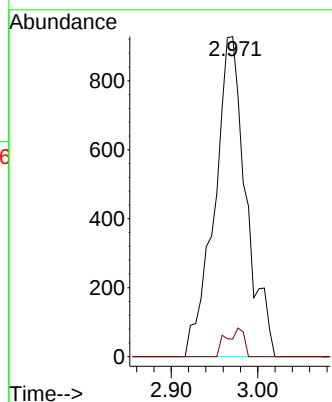
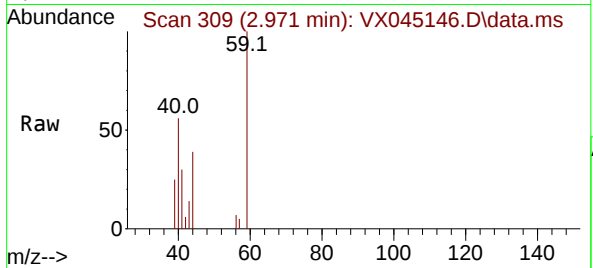




#11  
Tert butyl alcohol  
Concen: 10.158 ug/l  
RT: 2.971 min Scan# 30  
Delta R.T. -0.012 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

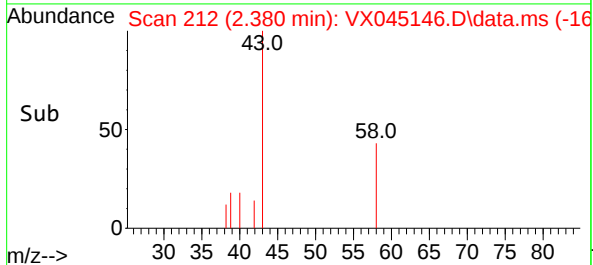
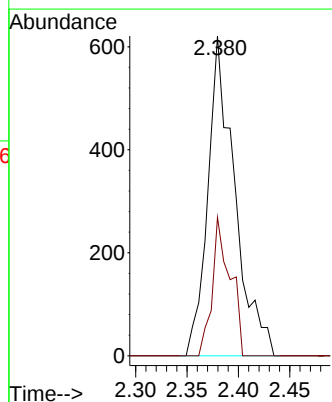
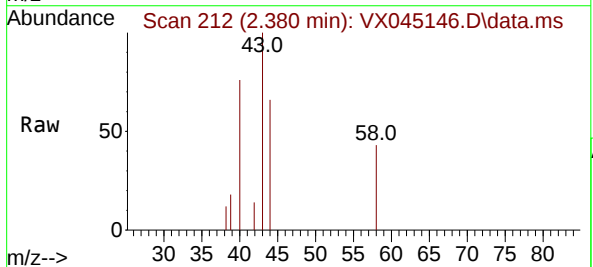
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-030525

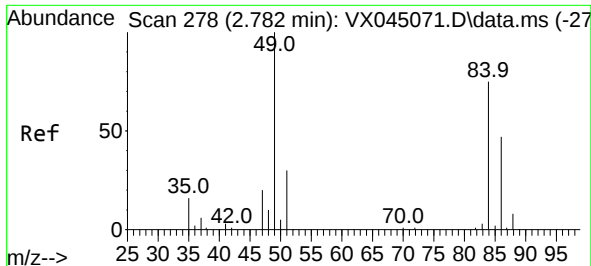
Tgt Ion: 59 Resp: 2345  
Ion Ratio Lower Upper  
59 100  
57 5.0 7.8 11.8#



#16  
Acetone  
Concen: 1.993 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

Tgt Ion: 43 Resp: 1127  
Ion Ratio Lower Upper  
43 100  
58 43.3 24.2 36.4#

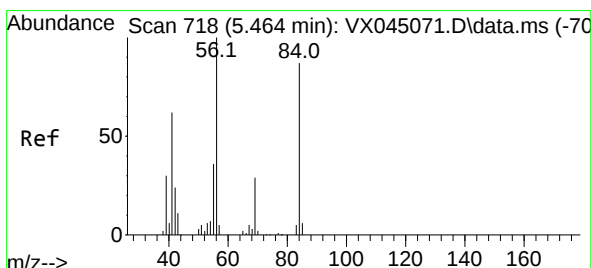
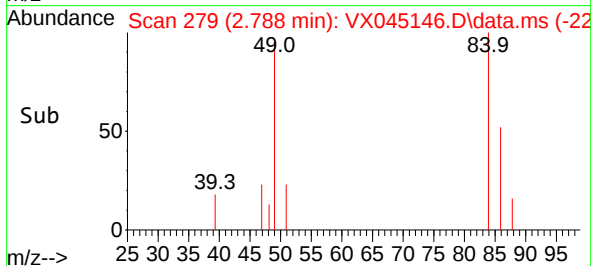
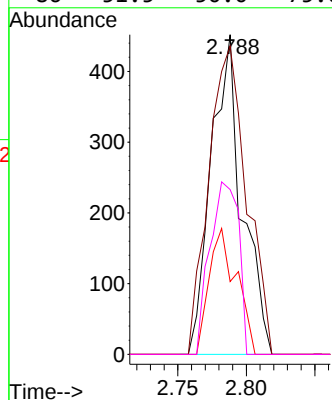
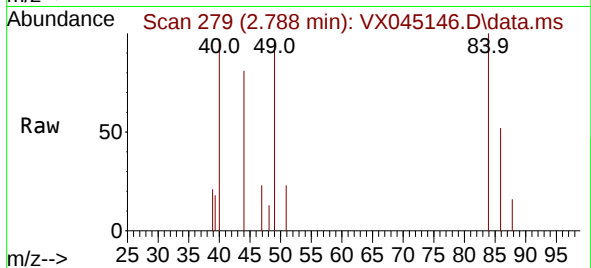




#20  
Methylene Chloride  
Concen: 0.634 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

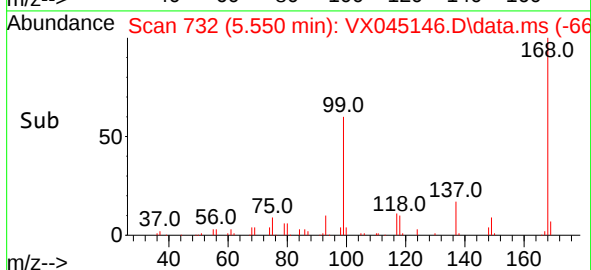
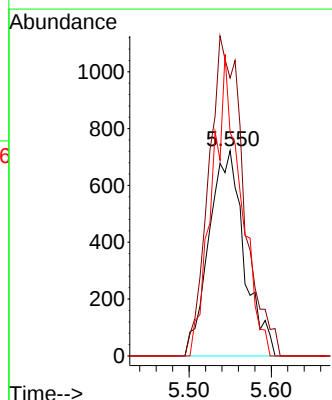
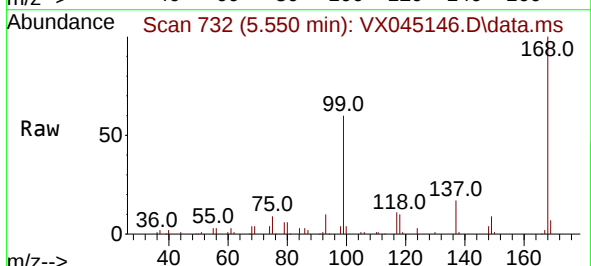
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-030525

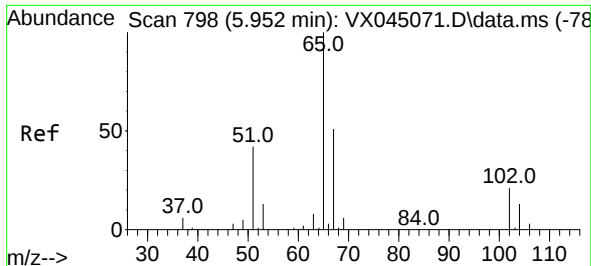
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 710    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 96.5  | 106.5 | 159.7# |
| 51       | 22.8  | 32.1  | 48.1#  |
| 86       | 51.5  | 50.0  | 75.0   |



#31  
Cyclohexane  
Concen: 1.289 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.085 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 2137   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 135.5 | 23.4  | 35.2#  |
| 84       | 108.9 | 69.4  | 104.2# |





#33

1,2-Dichloroethane-d4

Concen: 53.185 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045146.D

Acq: 05 Mar 2025 16:42

Instrument :

MSVOA\_X

ClientSampleId :

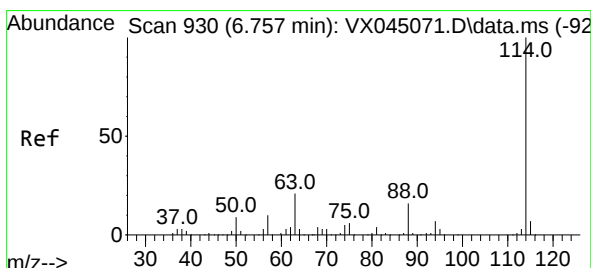
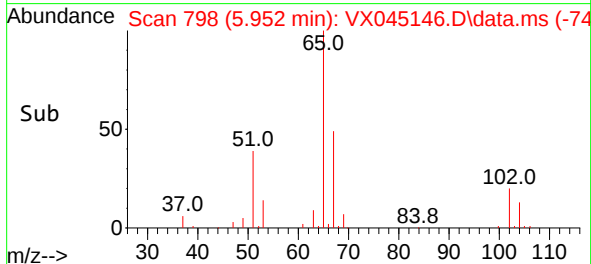
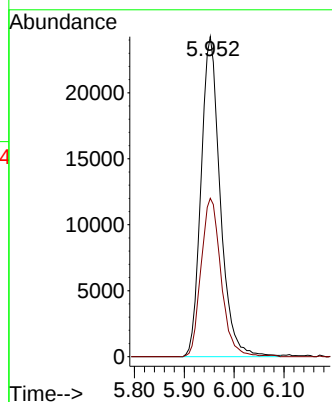
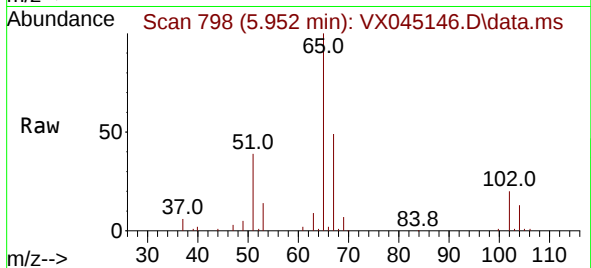
EB01-030525

Tgt Ion: 65 Resp: 64818

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045146.D

Acq: 05 Mar 2025 16:42

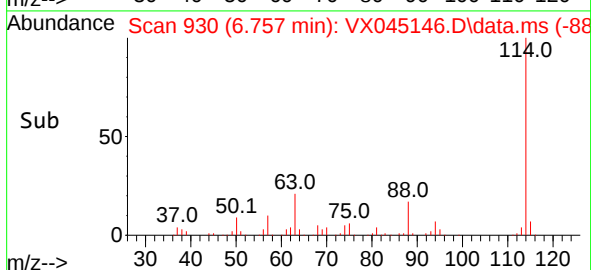
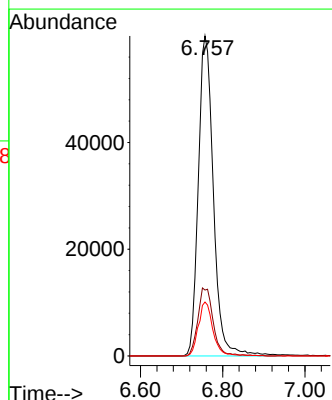
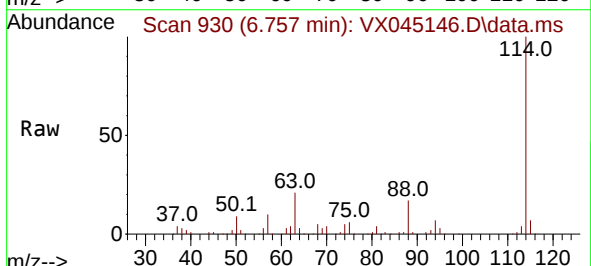
Tgt Ion: 114 Resp: 152804

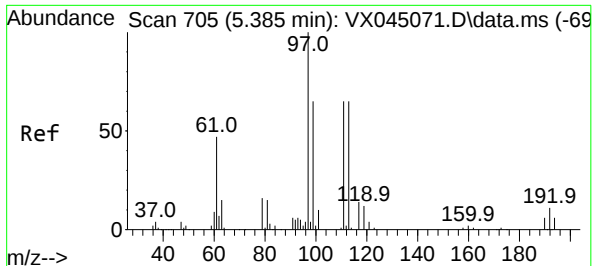
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.8

88 16.8 0.0 32.8

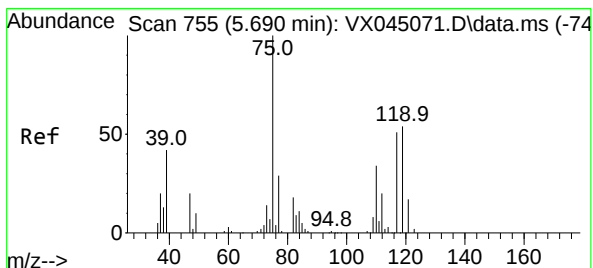
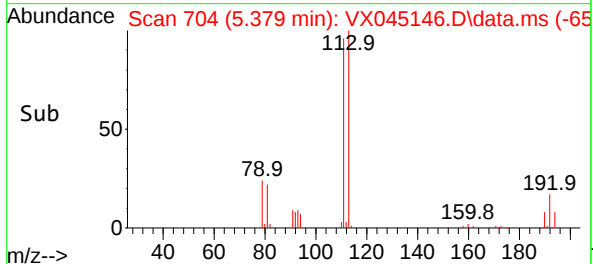
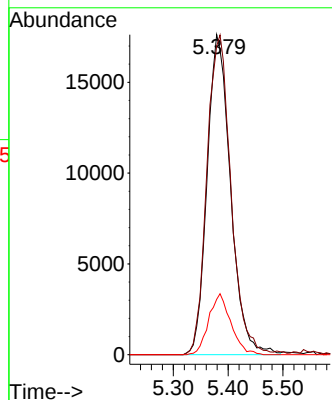
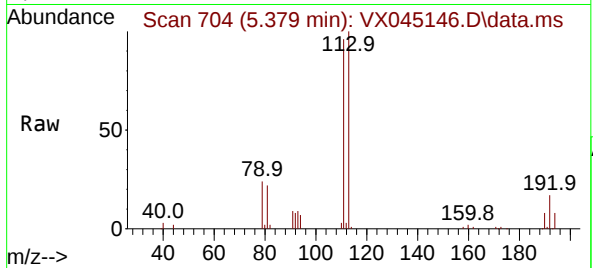




#35  
Dibromofluoromethane  
Concen: 51.199 ug/l  
RT: 5.379 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

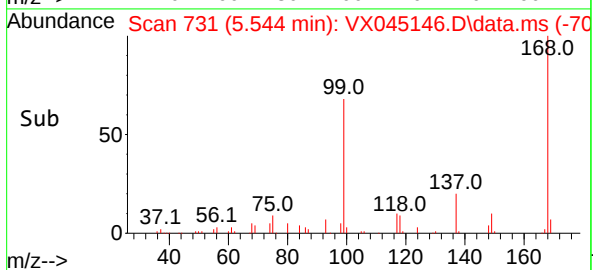
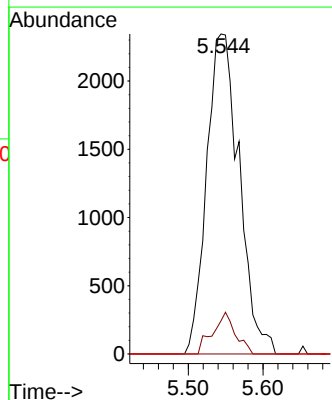
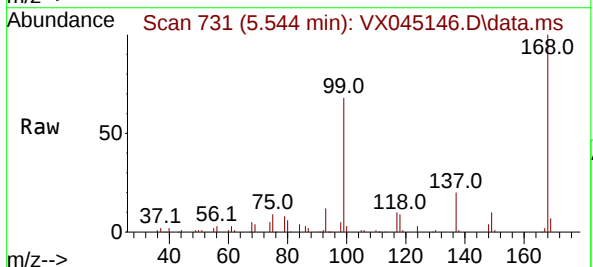
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-030525

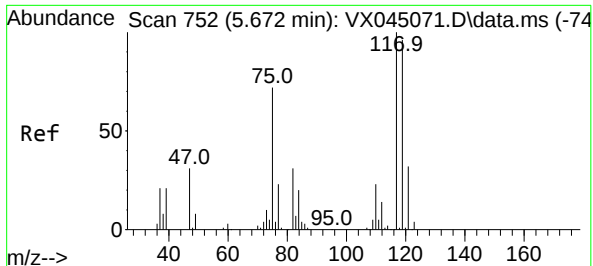
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|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 52313 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.4 | 81.8  | 122.6 |
| 192      | 18.0  | 14.3  | 21.5  |



#36  
1,1-Dichloropropene  
Concen: 5.065 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.146 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

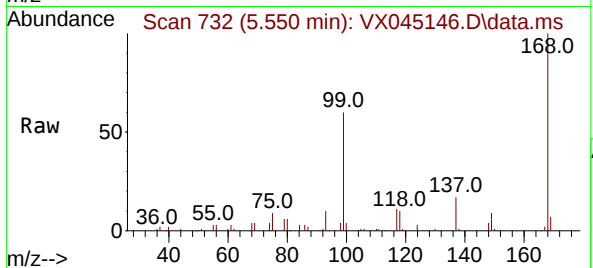
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 7097  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.1   | 16.9  | 50.6# |
| 77       | 0.0   | 24.5  | 36.7# |



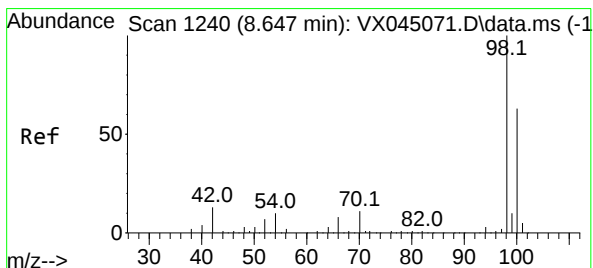
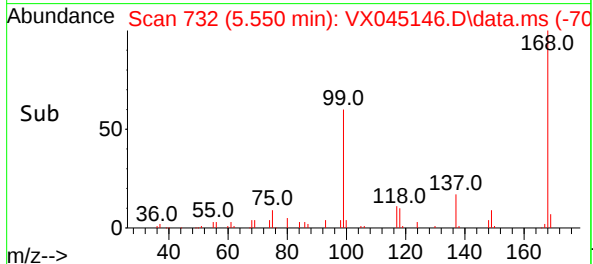
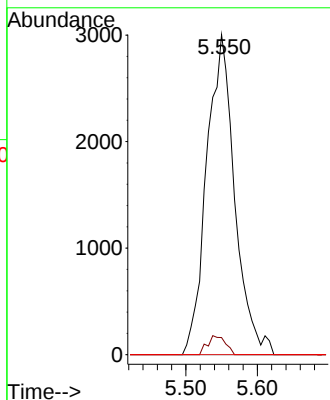


#38  
Carbon Tetrachloride  
Concen: 5.770 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-030525

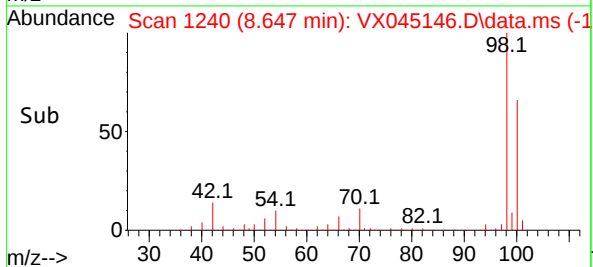
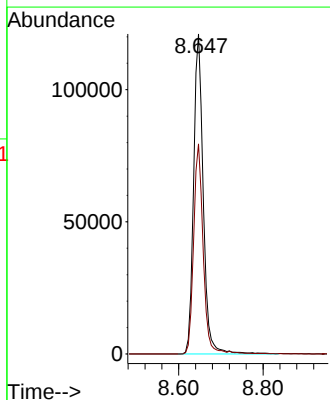
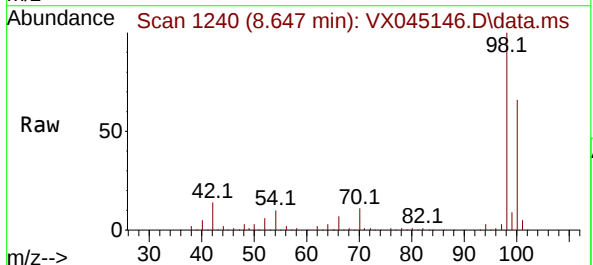


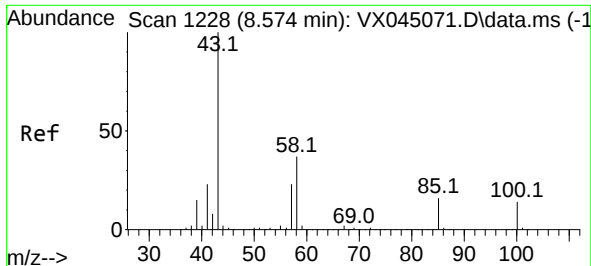
Tgt Ion:117 Resp: 8209  
Ion Ratio Lower Upper  
117 100  
119 5.4 76.7 115.1#  
121 0.0 25.5 38.3#



#50  
Toluene-d8  
Concen: 52.077 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

Tgt Ion: 98 Resp: 192904  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.503 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX045146.D

Acq: 05 Mar 2025 16:42

Instrument :

MSVOA\_X

ClientSampleId :

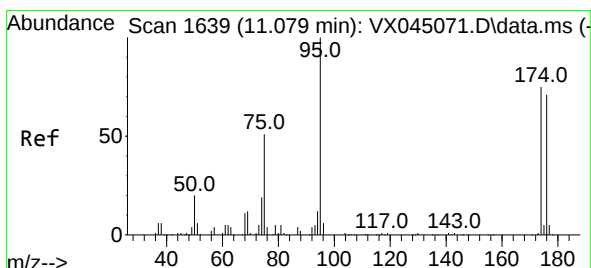
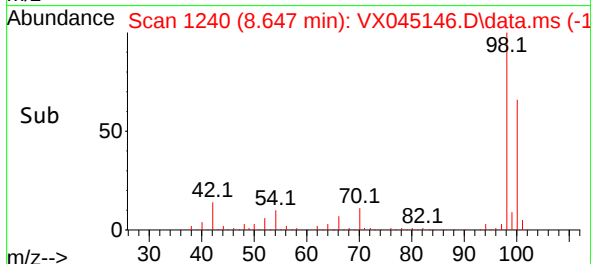
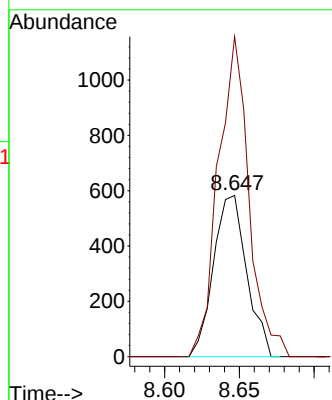
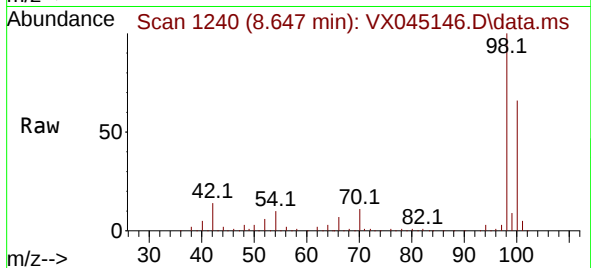
EB01-030525

Tgt Ion: 43 Resp: 901

Ion Ratio Lower Upper

43 100

58 183.2 29.2 43.8#



#62

4-Bromofluorobenzene

Concen: 53.296 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045146.D

Acq: 05 Mar 2025 16:42

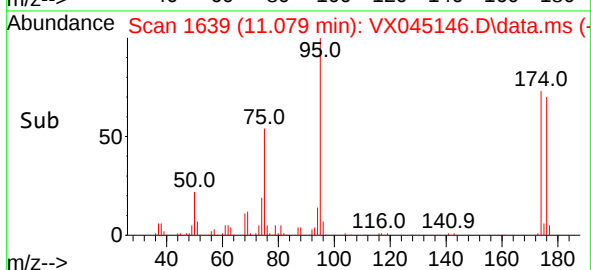
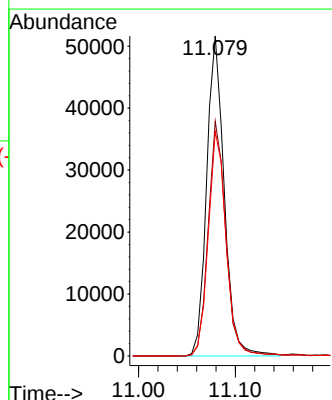
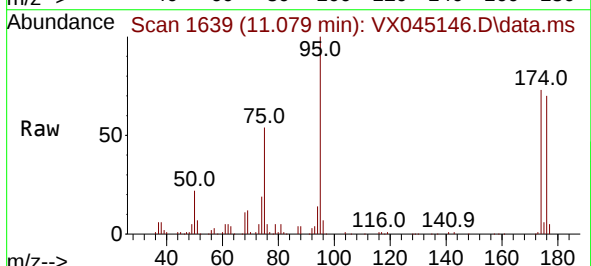
Tgt Ion: 95 Resp: 65419

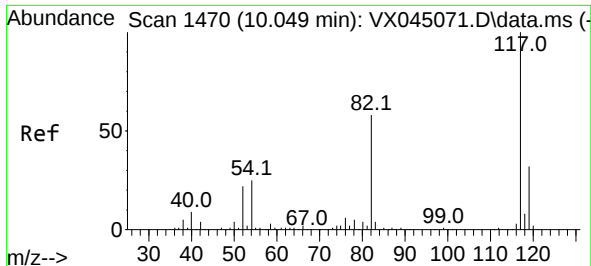
Ion Ratio Lower Upper

95 100

174 73.4 0.0 148.2

176 71.6 0.0 141.4

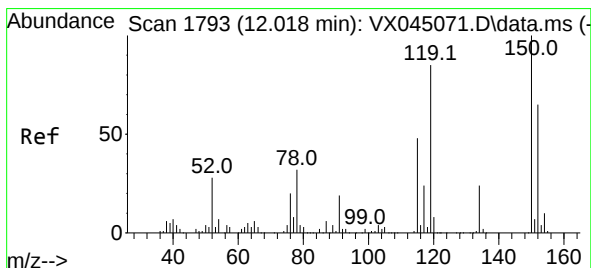
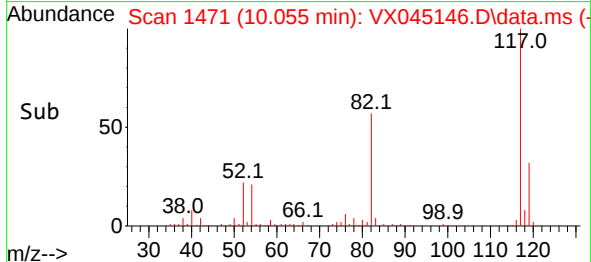
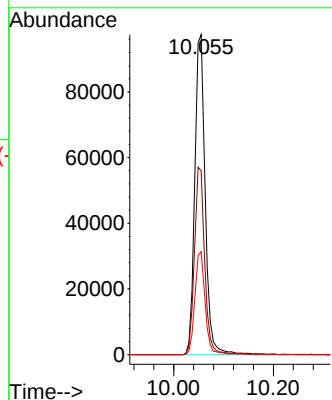
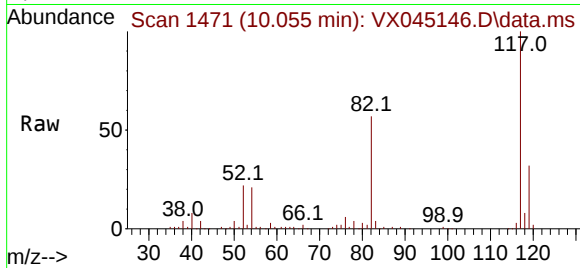




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

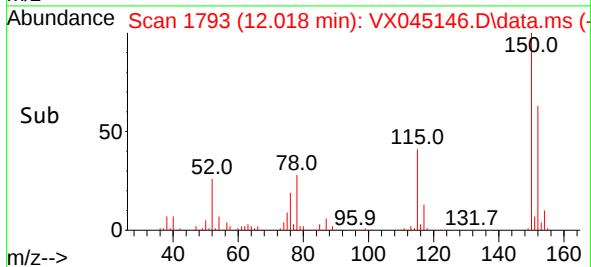
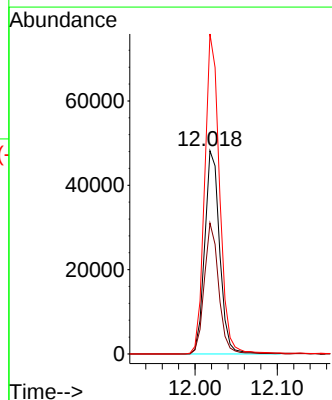
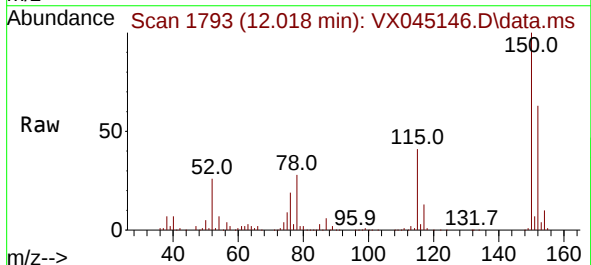
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-030525

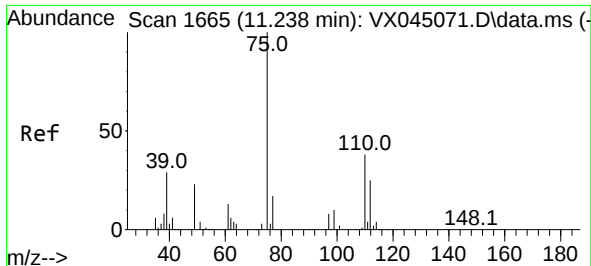
Tgt Ion:117 Resp: 141933  
Ion Ratio Lower Upper  
117 100  
82 57.5 46.3 69.5  
119 32.2 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

Tgt Ion:152 Resp: 61013  
Ion Ratio Lower Upper  
152 100  
115 61.9 44.2 132.6  
150 156.6 0.0 349.0

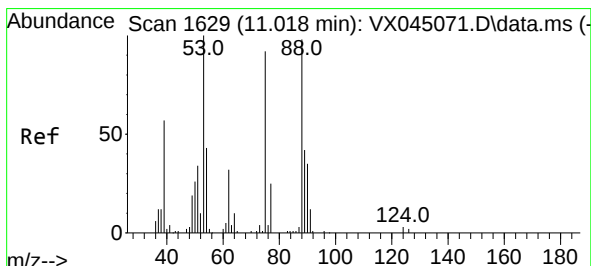
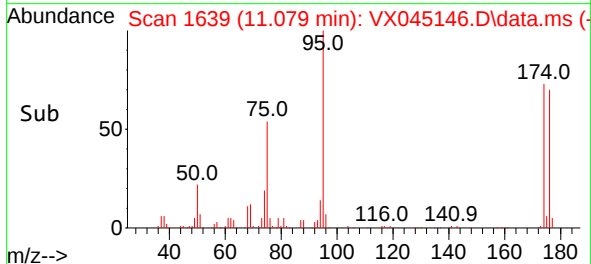
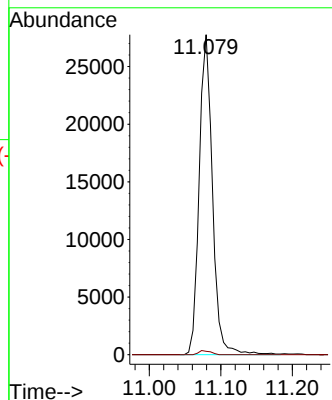
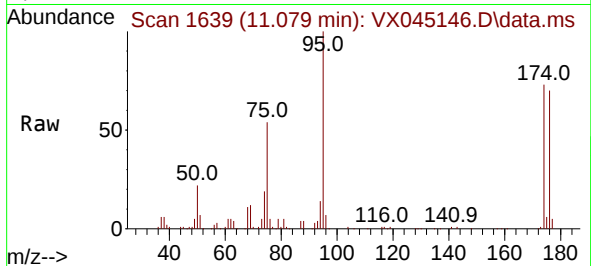




#76  
1,2,3-Trichloropropane  
Concen: 25.173 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-030525

Tgt Ion: 75 Resp: 35748  
Ion Ratio Lower Upper  
75 100  
77 1.2 20.7 62.1#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 86.147 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX045146.D  
Acq: 05 Mar 2025 16:42

Tgt Ion: 75 Resp: 35748  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.5 132.7#  
89 0.0 36.2 54.4#

