

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060325\  
 Data File : VX046467.D  
 Acq On : 03 Jun 2025 12:59  
 Operator : JC/MD  
 Sample : Q2186-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-182-GW-670-672

Quant Time: Jun 04 01:26:16 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

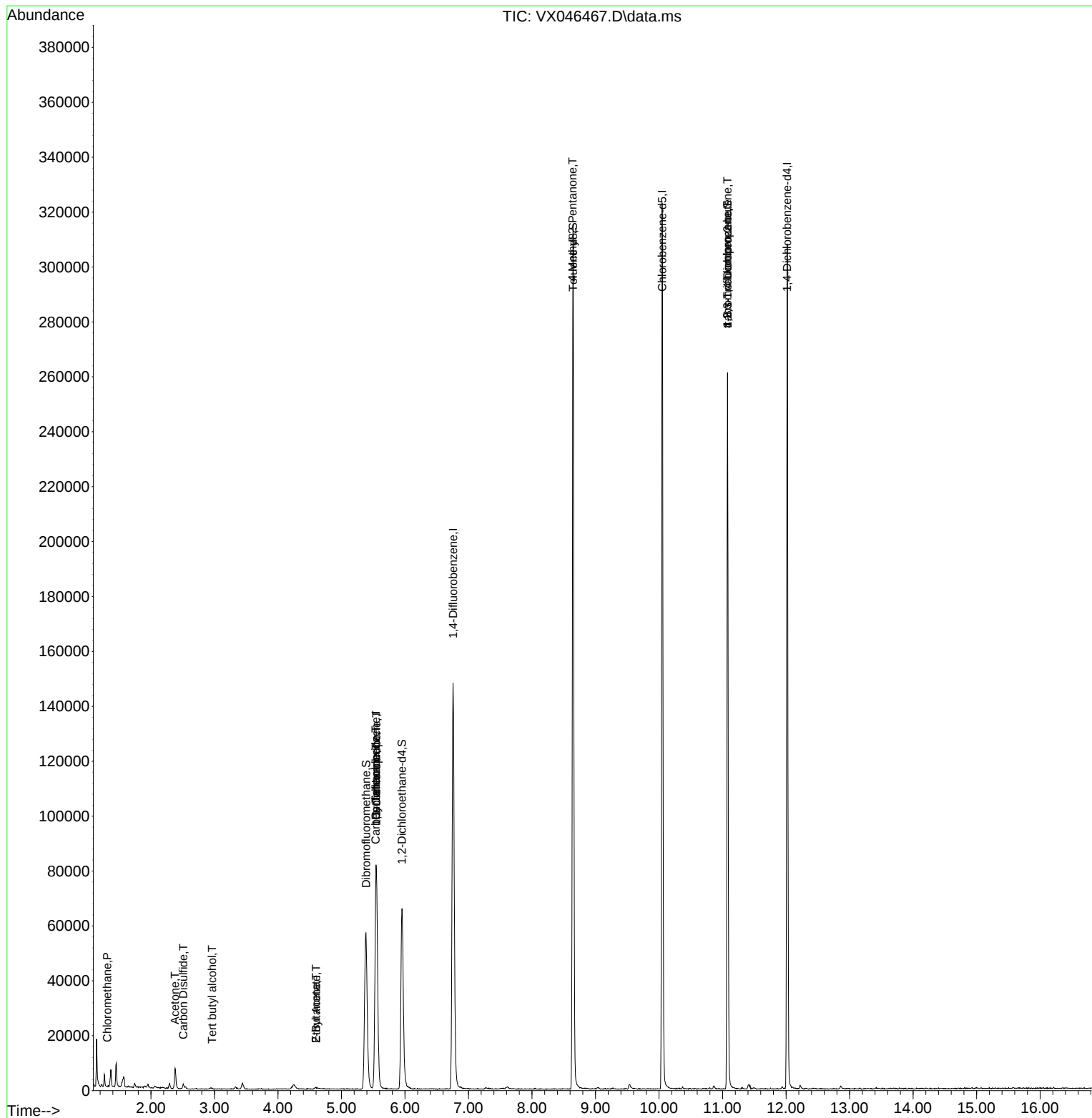
| Compound                      | R.T. QIon      |     | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|-----|---------------------|--------|--------|----------|
| -----                         |                |     |                     |        |        |          |
| Internal Standards            |                |     |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.544          | 168 | 70404               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114 | 140445              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049         | 117 | 131337              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152 | 57166               | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds   |                |     |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65  | 67836               | 51.682 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |     | Recovery = 103.360% |        |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113 | 50330               | 49.765 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |     | Recovery = 99.540%  |        |        |          |
| 50) Toluene-d8                | 8.647          | 98  | 174190              | 49.763 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |     | Recovery = 99.520%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95  | 68437               | 50.969 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |     | Recovery = 101.940% |        |        |          |
| Target Compounds              |                |     |                     |        |        |          |
|                               |                |     |                     |        | Qvalue |          |
| 3) Chloromethane              | 1.313          | 50  | 478                 | 0.457  | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.965          | 59  | 249                 | 1.351  | ug/l # | 72       |
| 16) Acetone                   | 2.380          | 43  | 7996                | 15.194 | ug/l   | 98       |
| 17) Carbon Disulfide          | 2.508          | 76  | 2010                | 1.016  | ug/l   | 99       |
| 25) 2-Butanone                | 4.599          | 43  | 657                 | 0.860  | ug/l # | 81       |
| 31) Cyclohexane               | 5.544          | 56  | 2137                | 1.366  | ug/l # | 49       |
| 36) 1,1-Dichloropropene       | 5.550          | 75  | 6735                | 4.956  | ug/l # | 50       |
| 37) Ethyl Acetate             | 4.599          | 43  | 657                 | 0.391  | ug/l # | 70       |
| 38) Carbon Tetrachloride      | 5.538          | 117 | 8088                | 5.297  | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.641          | 43  | 1162                | 0.683  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75  | 39574               | 28.760 | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75  | 39574               | 93.633 | ug/l # | 1        |
| -----                         |                |     |                     |        |        |          |

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

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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-182-GW-670-672

Quant Time: Jun 04 01:26:16 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

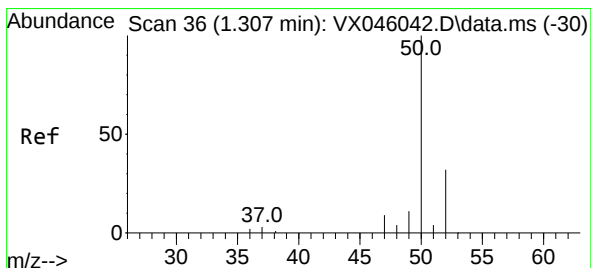
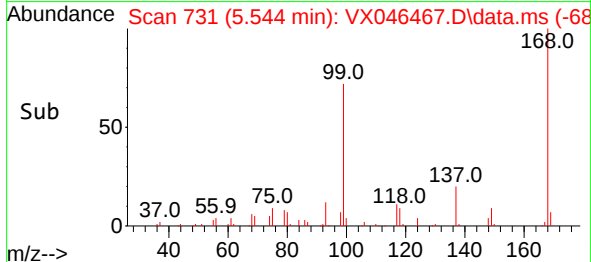
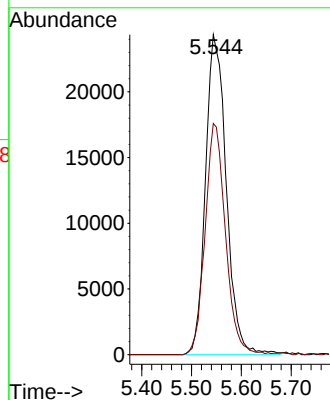
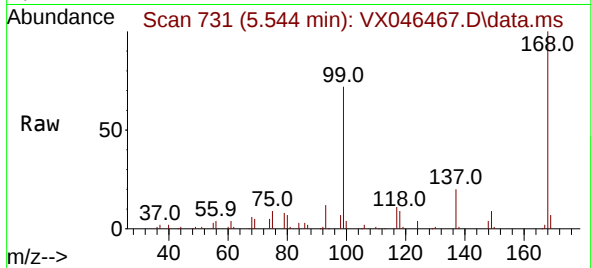




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

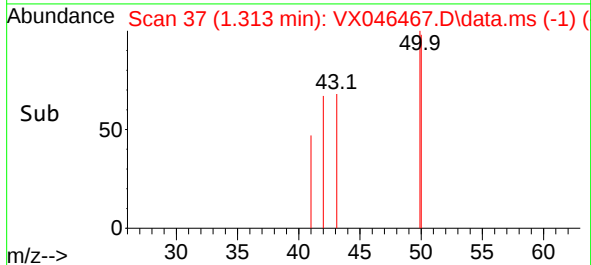
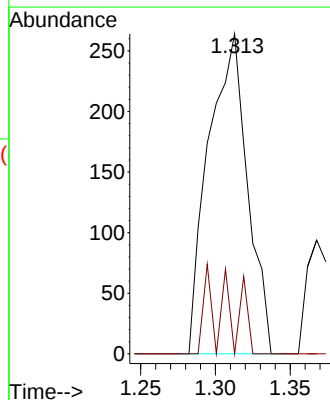
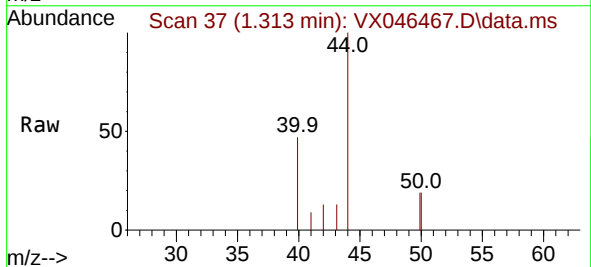
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-182-GW-670-672

Tgt Ion:168 Resp: 70404  
Ion Ratio Lower Upper  
168 100  
99 72.2 54.9 82.3



#3  
Chloromethane  
Concen: 0.457 ug/l  
RT: 1.313 min Scan# 37  
Delta R.T. 0.006 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

Tgt Ion: 50 Resp: 478  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.4 38.2#

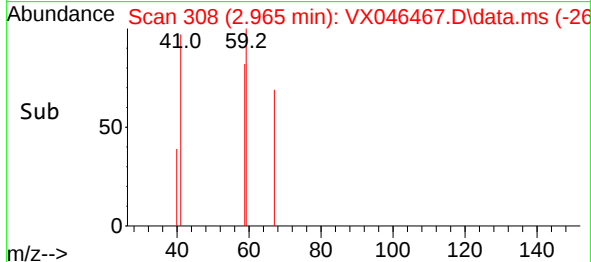
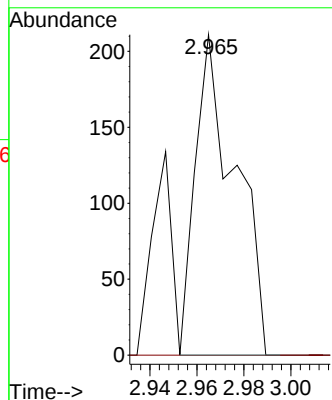
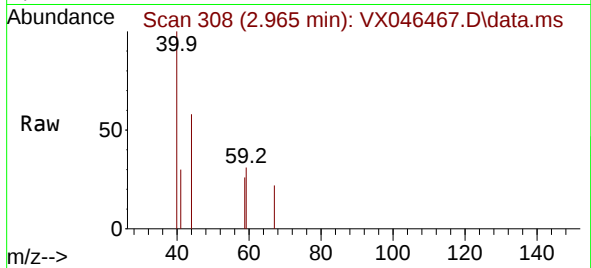




#11  
Tert butyl alcohol  
Concen: 1.351 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. -0.012 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

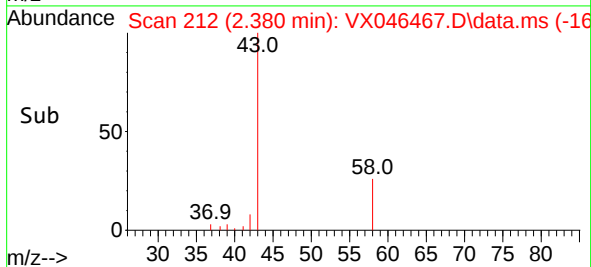
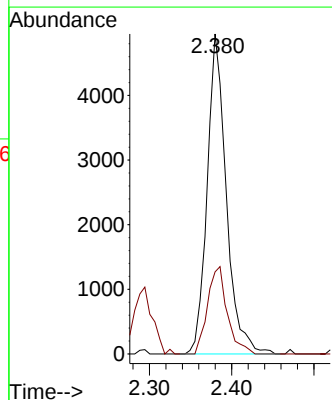
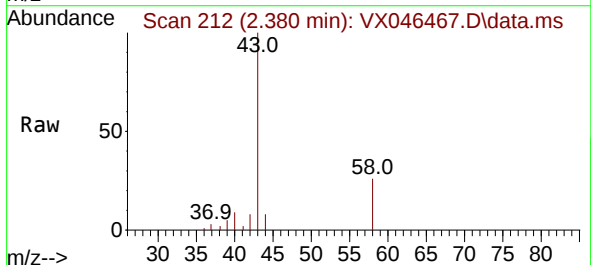
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-182-GW-670-672

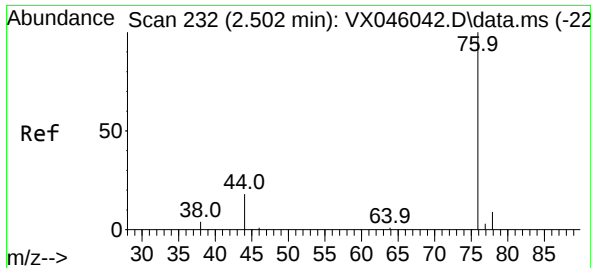
Tgt Ion: 59 Resp: 249  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#



#16  
Acetone  
Concen: 15.194 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

Tgt Ion: 43 Resp: 7996  
Ion Ratio Lower Upper  
43 100  
58 25.6 21.2 31.8

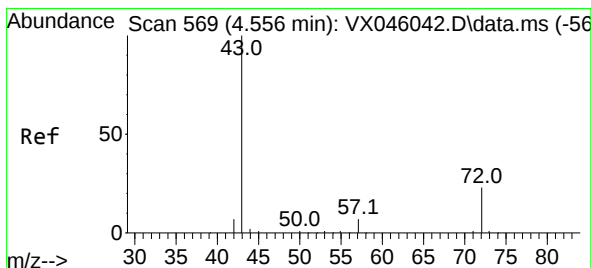
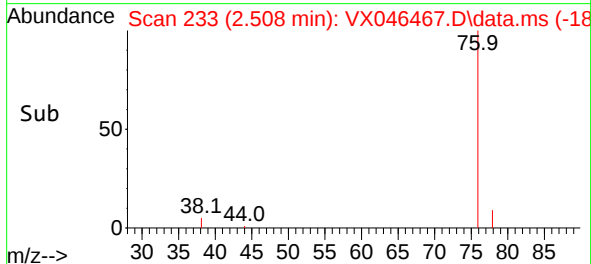
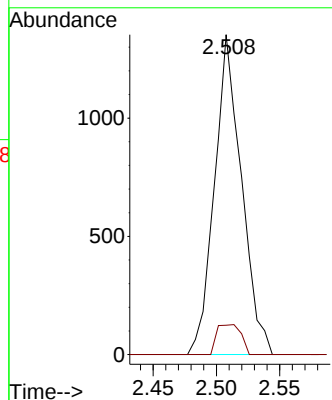
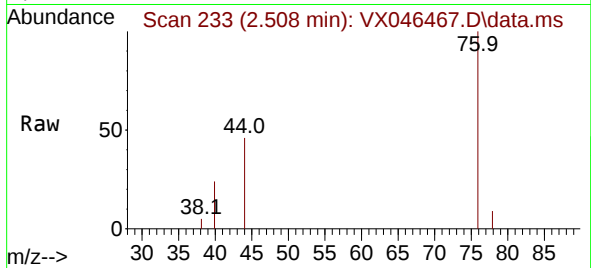




#17  
Carbon Disulfide  
Concen: 1.016 ug/l  
RT: 2.508 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

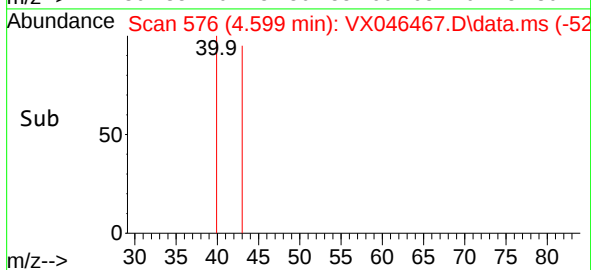
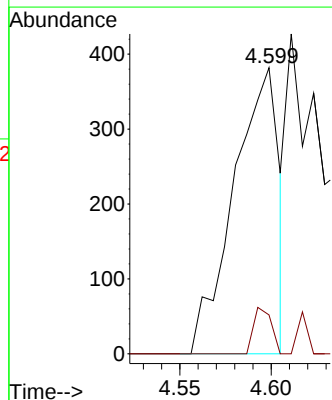
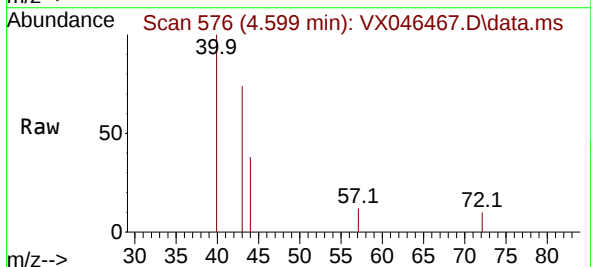
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-182-GW-670-672

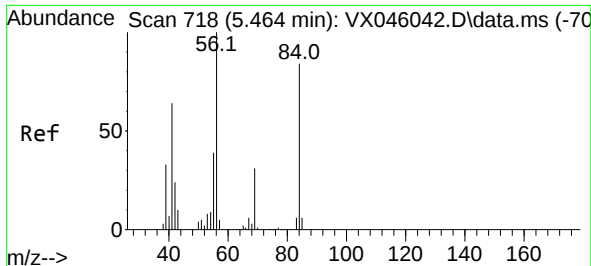
Tgt Ion: 76 Resp: 2010  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.0 10.4



#25  
2-Butanone  
Concen: 0.860 ug/l  
RT: 4.599 min Scan# 576  
Delta R.T. 0.043 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

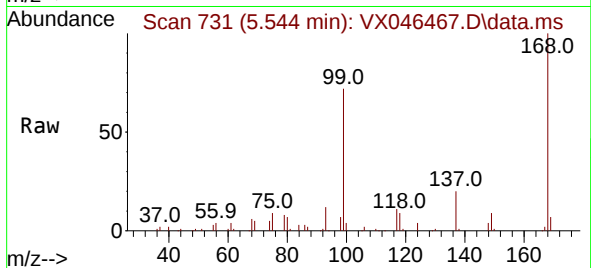
Tgt Ion: 43 Resp: 657  
Ion Ratio Lower Upper  
43 100  
72 13.6 18.4 27.6#



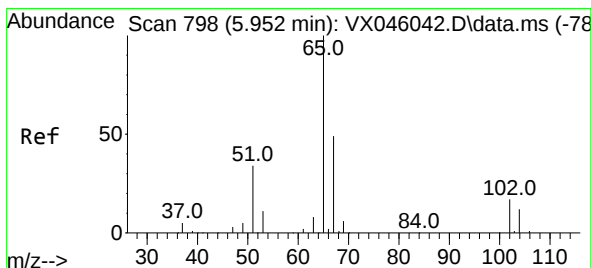
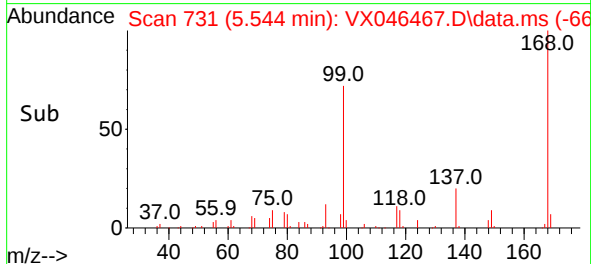
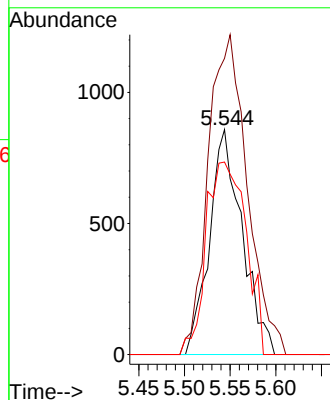


#31  
Cyclohexane  
Concen: 1.366 ug/l  
RT: 5.544 min Scan# 718  
Delta R.T. 0.079 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-182-GW-670-672

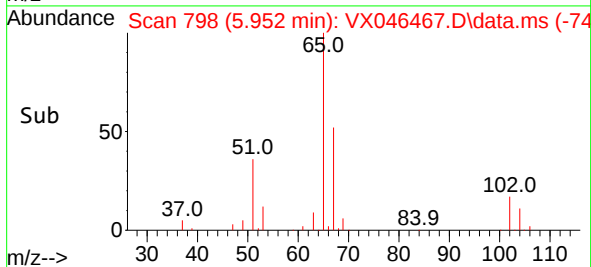
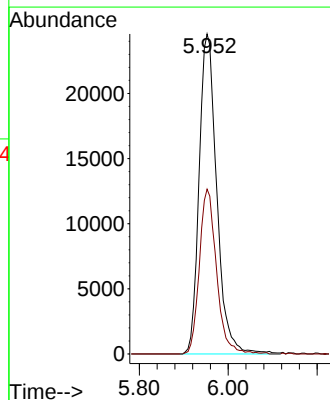
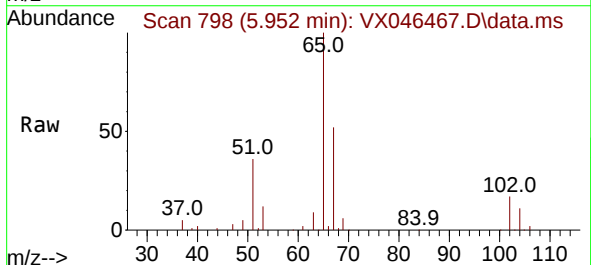


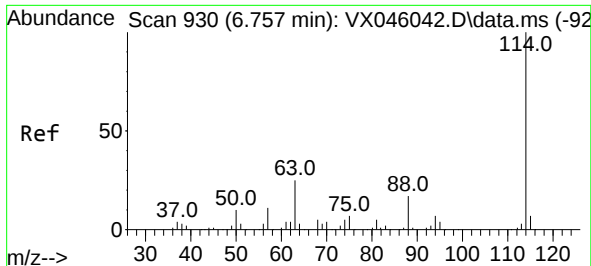
Tgt Ion: 56 Resp: 2137  
Ion Ratio Lower Upper  
56 100  
69 131.7 24.4 36.6#  
84 85.5 66.9 100.3



#33  
1,2-Dichloroethane-d4  
Concen: 51.682 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

Tgt Ion: 65 Resp: 67836  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 99.0

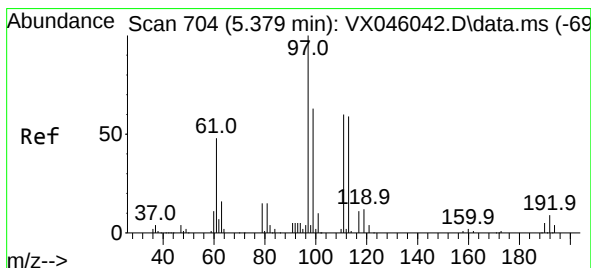
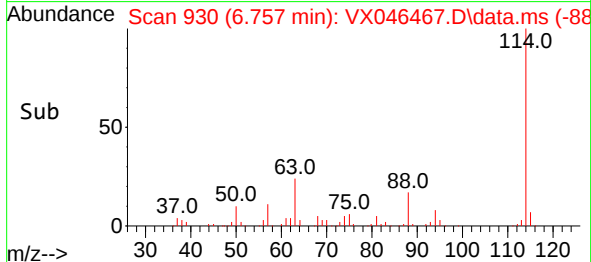
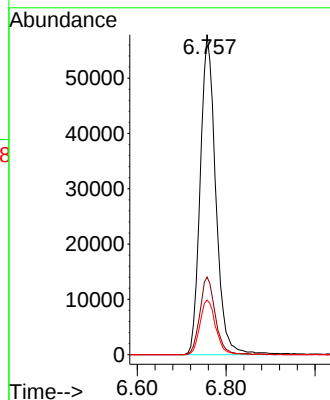
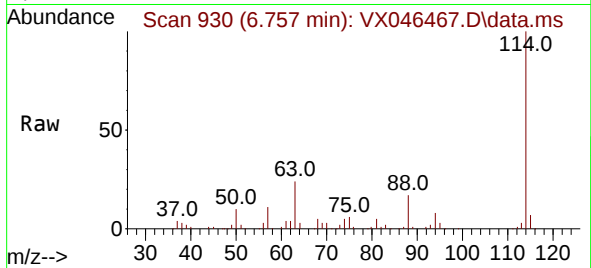




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

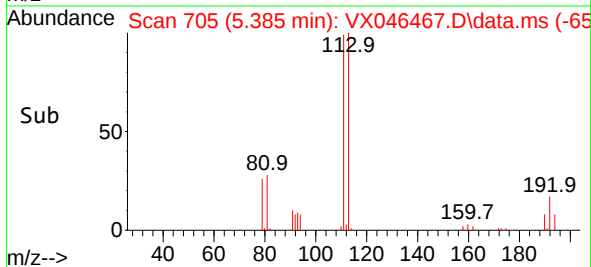
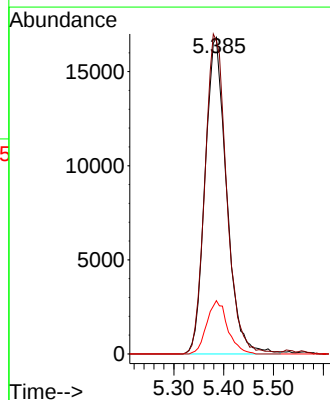
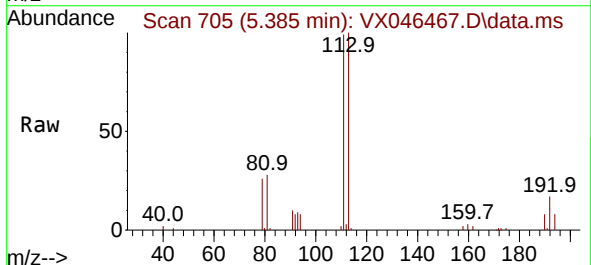
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-182-GW-670-672

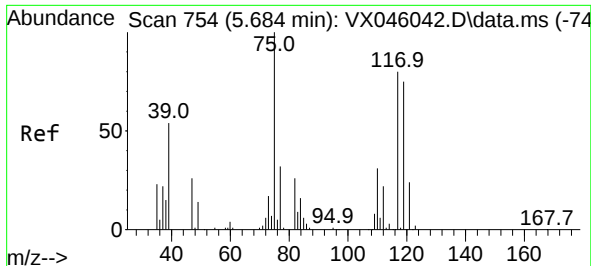
Tgt Ion:114 Resp: 140445  
Ion Ratio Lower Upper  
114 100  
63 24.3 0.0 49.2  
88 17.1 0.0 33.6



#35  
Dibromofluoromethane  
Concen: 49.765 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

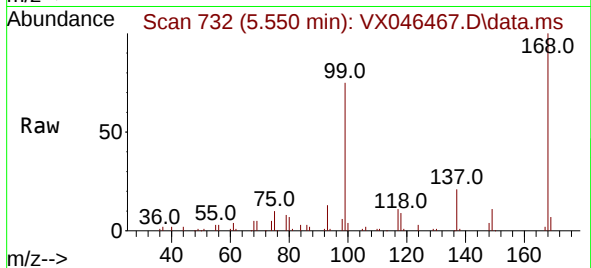
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Ion Ratio Lower Upper  
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111 102.0 83.1 124.7  
192 16.3 13.3 19.9



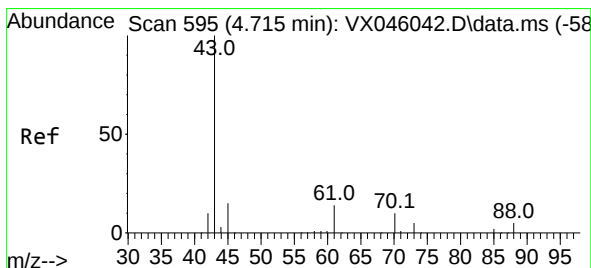
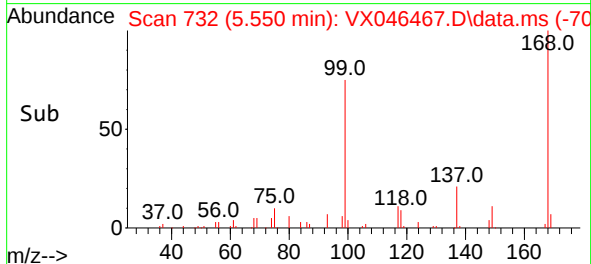
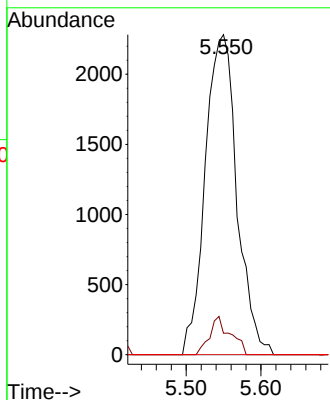


#36  
1,1-Dichloropropene  
Concen: 4.956 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-182-GW-670-672

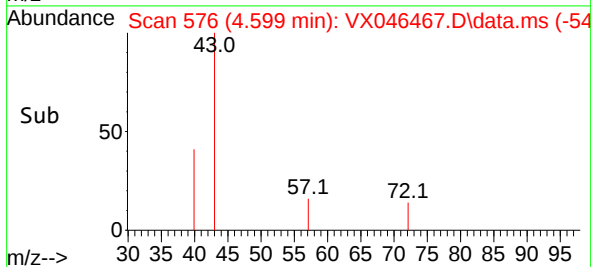
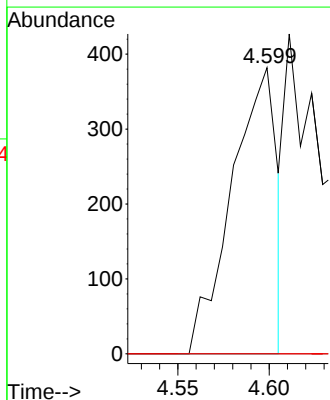
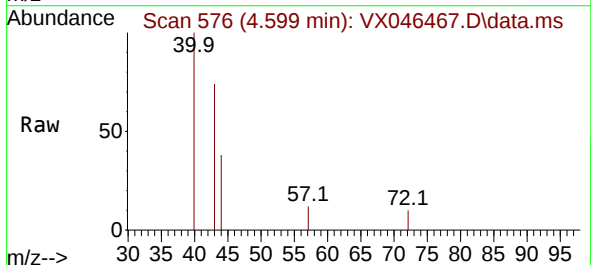


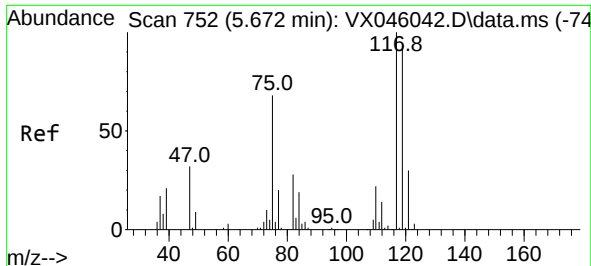
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Ion Ratio Lower Upper  
75 100  
110 7.8 16.3 48.9#  
77 0.0 24.3 36.5#



#37  
Ethyl Acetate  
Concen: 0.391 ug/l  
RT: 4.599 min Scan# 576  
Delta R.T. -0.116 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

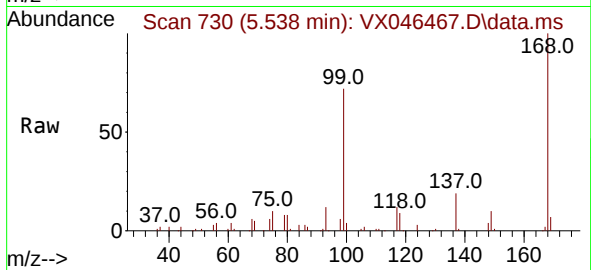
Tgt Ion: 43 Resp: 657  
Ion Ratio Lower Upper  
43 100  
61 0.0 10.3 15.5#  
70 0.0 7.9 11.9#



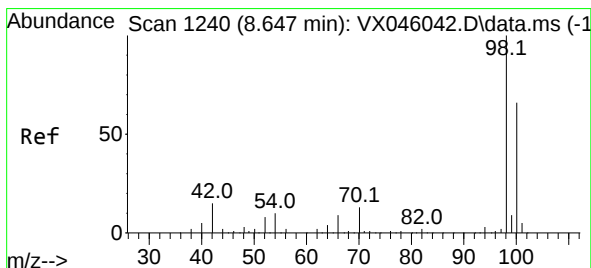
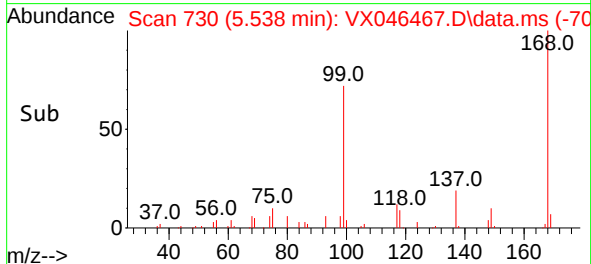
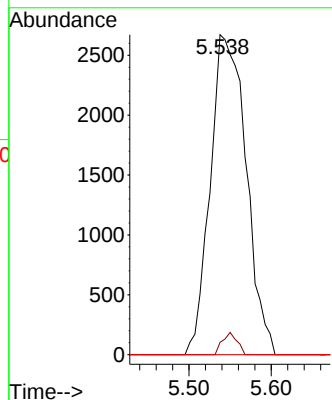


#38  
Carbon Tetrachloride  
Concen: 5.297 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-182-GW-670-672

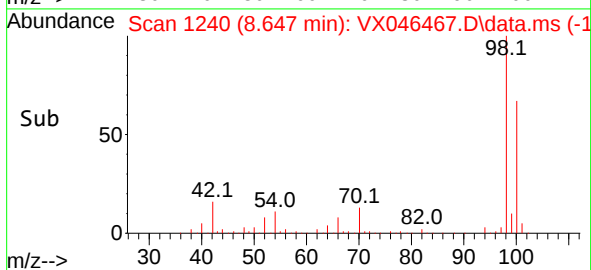
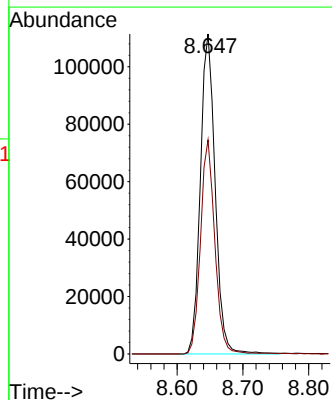
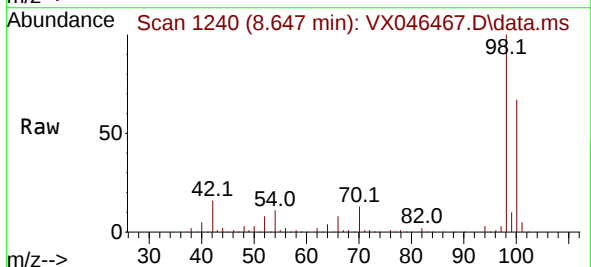


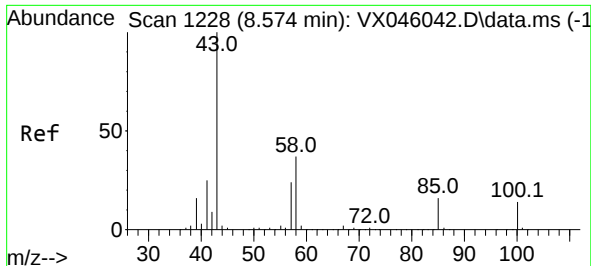
Tgt Ion:117 Resp: 8088  
Ion Ratio Lower Upper  
117 100  
119 3.9 75.2 112.8#  
121 0.0 24.2 36.4#



#50  
Toluene-d8  
Concen: 49.763 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

Tgt Ion: 98 Resp: 174190  
Ion Ratio Lower Upper  
98 100  
100 64.9 53.5 80.3

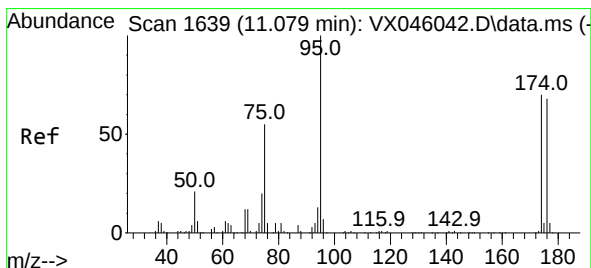
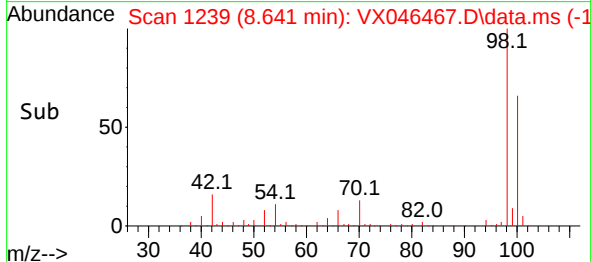
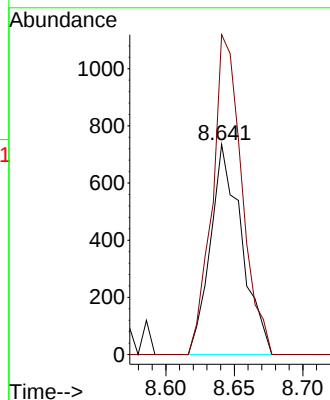
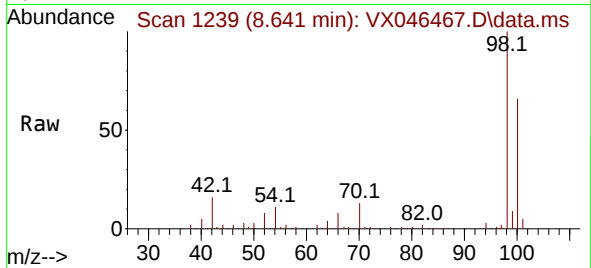




#51  
4-Methyl-2-Pentanone  
Concen: 0.683 ug/l  
RT: 8.641 min Scan# 1162  
Delta R.T. 0.067 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

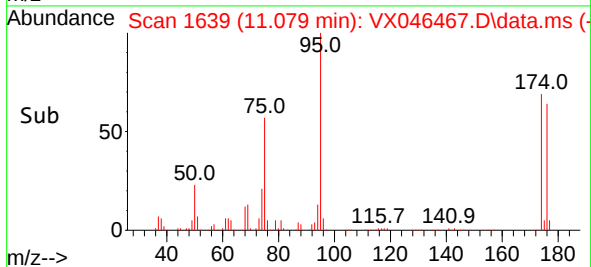
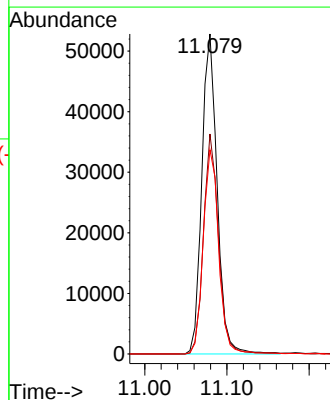
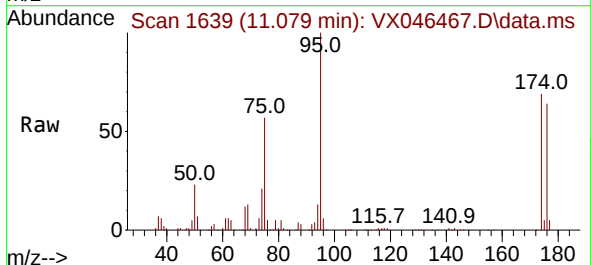
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-182-GW-670-672

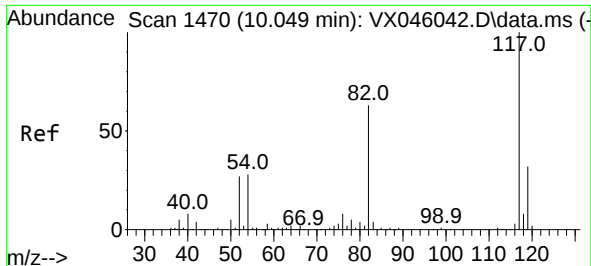
Tgt Ion: 43 Resp: 1162  
Ion Ratio Lower Upper  
43 100  
58 144.5 28.9 43.3#



#62  
4-Bromofluorobenzene  
Concen: 50.969 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

Tgt Ion: 95 Resp: 68437  
Ion Ratio Lower Upper  
95 100  
174 67.6 0.0 135.8  
176 64.6 0.0 131.4

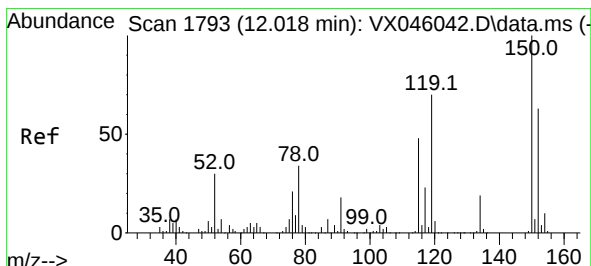
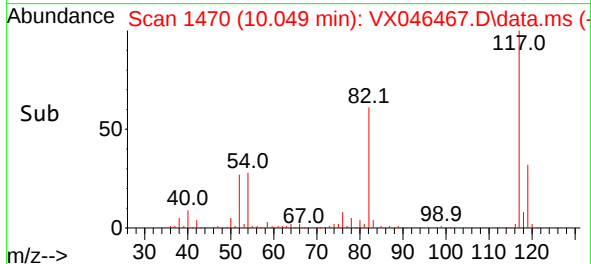
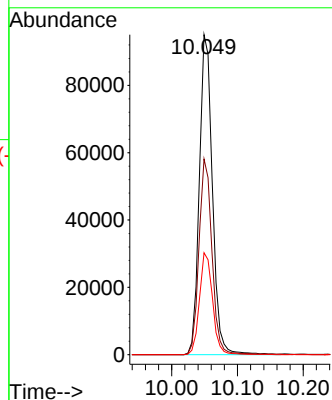
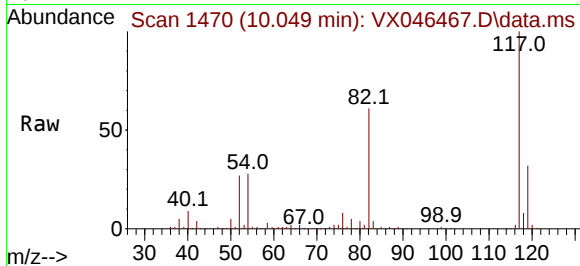




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

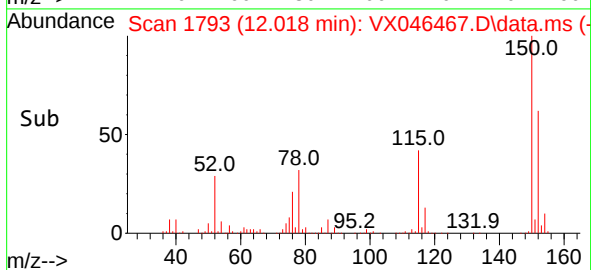
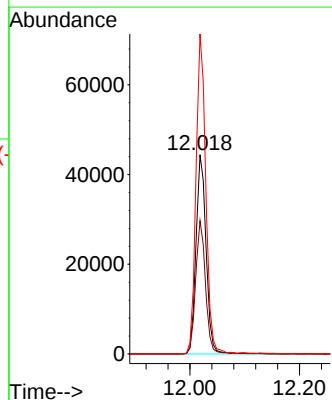
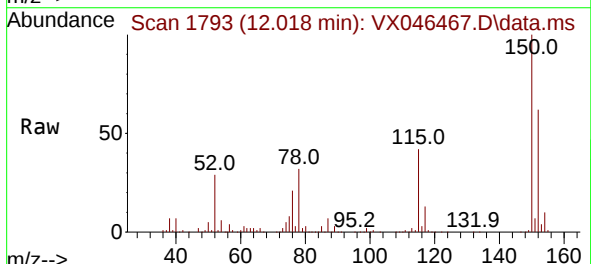
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-182-GW-670-672

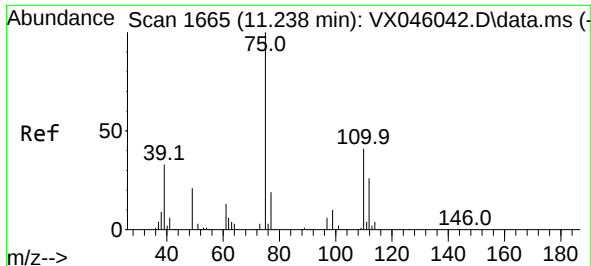
Tgt Ion:117 Resp: 131337  
Ion Ratio Lower Upper  
117 100  
82 61.2 50.6 76.0  
119 31.9 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

Tgt Ion:152 Resp: 57166  
Ion Ratio Lower Upper  
152 100  
115 65.5 46.9 140.7  
150 156.1 0.0 351.0

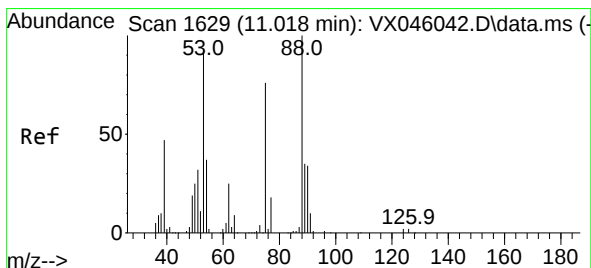
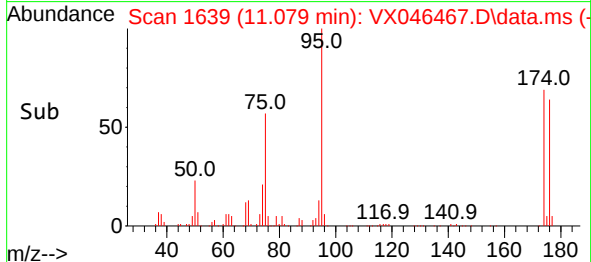
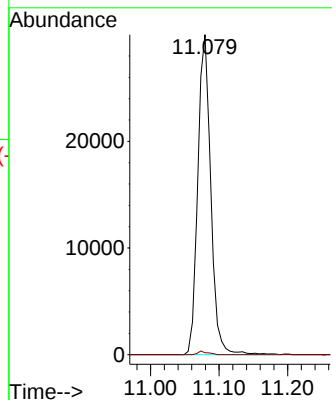
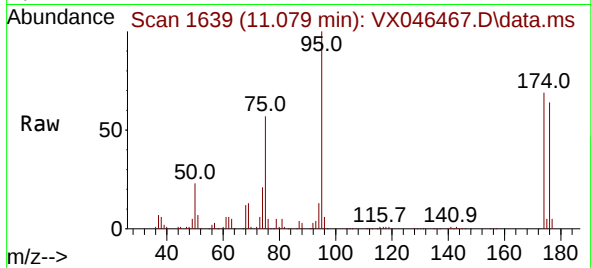




#76  
1,2,3-Trichloropropane  
Concen: 28.760 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-182-GW-670-672

Tgt Ion: 75 Resp: 39574  
Ion Ratio Lower Upper  
75 100  
77 0.8 20.5 61.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.633 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX046467.D  
Acq: 03 Jun 2025 12:59

Tgt Ion: 75 Resp: 39574  
Ion Ratio Lower Upper  
75 100  
53 0.0 100.5 150.7#  
89 0.0 37.0 55.6#

