

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072825\  
 Data File : VX047158.D  
 Acq On : 28 Jul 2025 11:53  
 Operator : JC/MD  
 Sample : Q2693-01RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jul 29 02:14:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 2025  
 Response via : Initial Calibration

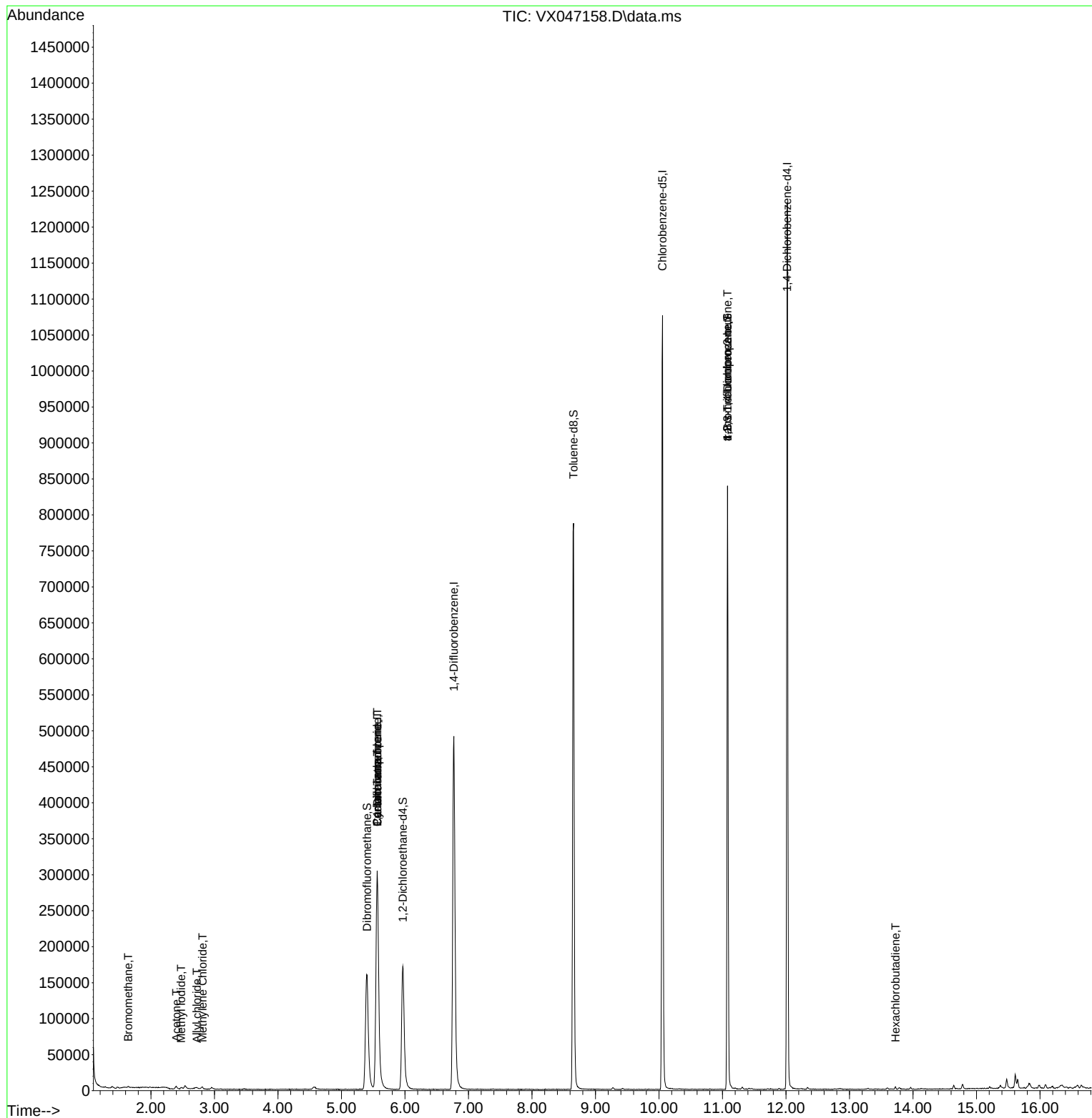
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 5.562     | 168            | 298181   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769     | 114            | 534256   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117            | 479953   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018    | 152            | 238427   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964     | 65             | 186563   | 50.227     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 78 - 117 | Recovery | = 100.460% |        |          |
| 35) Dibromofluoromethane      | 5.404     | 113            | 156217   | 47.358     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 75 - 124 | Recovery | = 94.720%  |        |          |
| 50) Toluene-d8                | 8.653     | 98             | 487097   | 45.597     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 92 - 112 | Recovery | = 91.200%# |        |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95             | 225373   | 48.955     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 83 - 123 | Recovery | = 97.920%  |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            |        | Qvalue   |
| 5) Bromomethane               | 1.642     | 94             | 558      | 0.244      | ug/l   | 95       |
| 10) Methyl Iodide             | 2.477     | 142            | 3203     | 0.831      | ug/l # | 89       |
| 11) Tert butyl alcohol        | 2.953     | 59             | 879      | Below Cal  | #      | 72       |
| 14) Allyl chloride            | 2.721     | 41             | 5242     | 0.774      | ug/l # | 44       |
| 16) Acetone                   | 2.398     | 43             | 4950     | 3.327      | ug/l   | 96       |
| 20) Methylene Chloride        | 2.813     | 84             | 1297     | 0.317      | ug/l   | 90       |
| 31) Cyclohexane               | 5.562     | 56             | 7074     | 1.019      | ug/l # | 27       |
| 36) 1,1-Dichloropropene       | 5.562     | 75             | 26332    | 4.683      | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.562     | 117            | 31502    | 5.249      | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75             | 117276   | 26.574     | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75             | 117276   | 68.465     | ug/l # | 8        |
| 94) Hexachlorobutadiene       | 13.725    | 225            | 538      | 0.292      | ug/l   | 94       |
| -----                         |           |                |          |            |        |          |

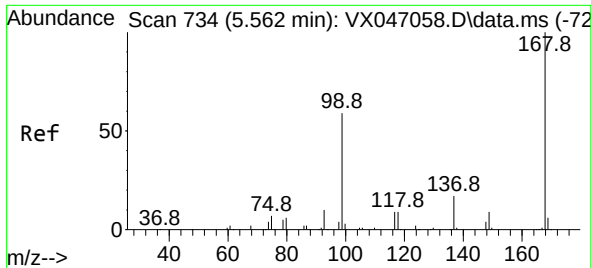
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jul 22 03:59:51 2025  
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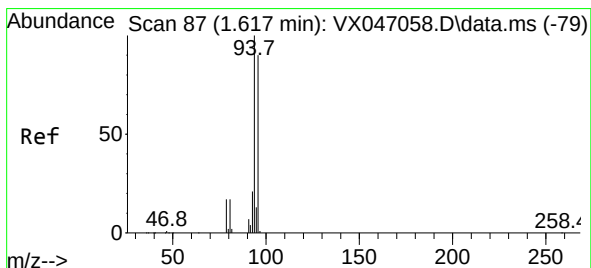
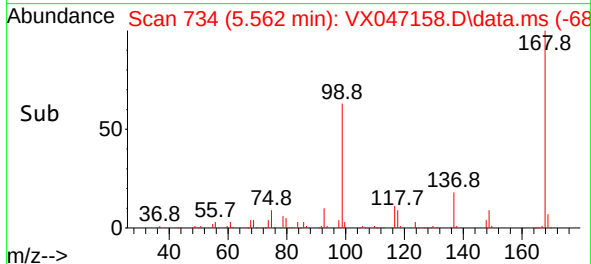
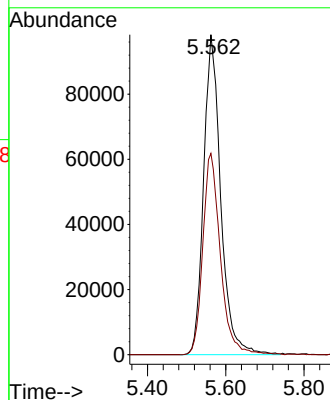
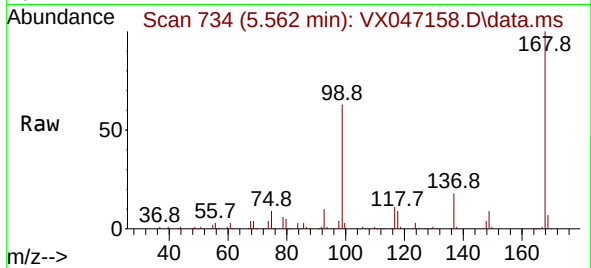




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

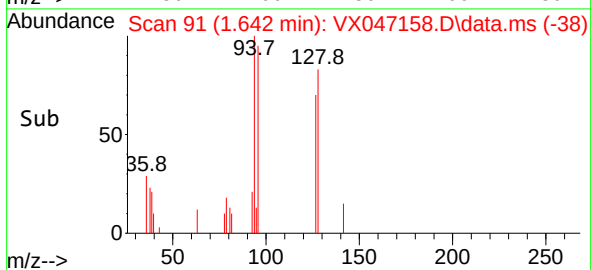
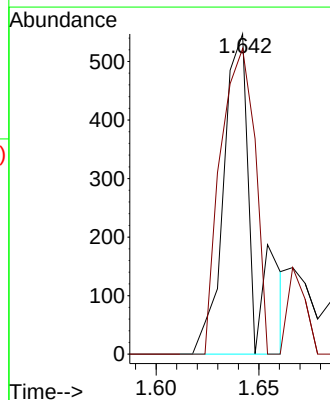
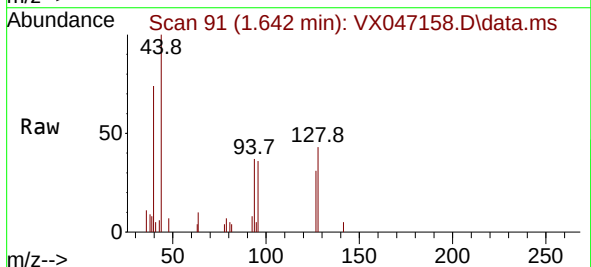
Instrument :  
MSVOA\_X  
ClientSampleId :  
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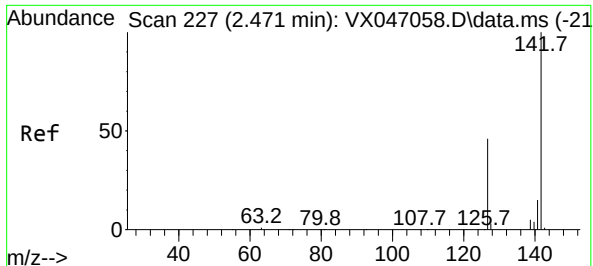
Tgt Ion:168 Resp: 298181  
Ion Ratio Lower Upper  
168 100  
99 62.9 48.0 72.0



#5  
Bromomethane  
Concen: 0.244 ug/l  
RT: 1.642 min Scan# 91  
Delta R.T. 0.025 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

Tgt Ion: 94 Resp: 558  
Ion Ratio Lower Upper  
94 100  
96 95.4 72.3 108.5

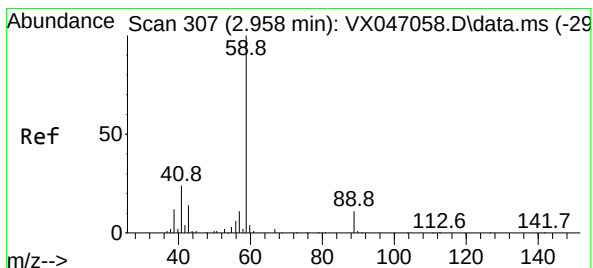
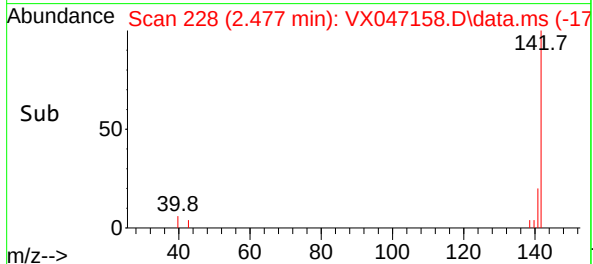
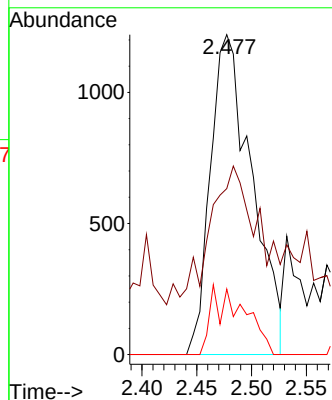
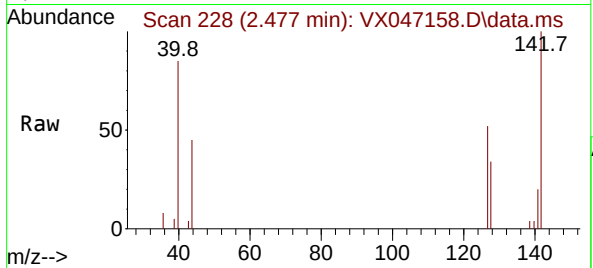




#10  
Methyl Iodide  
Concen: 0.831 ug/l  
RT: 2.477 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

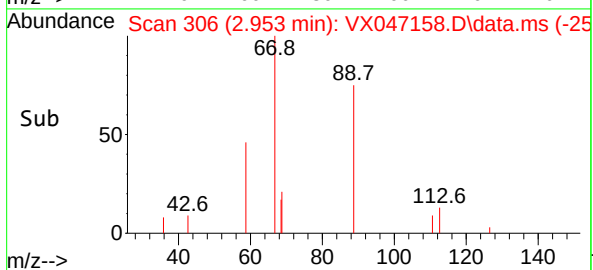
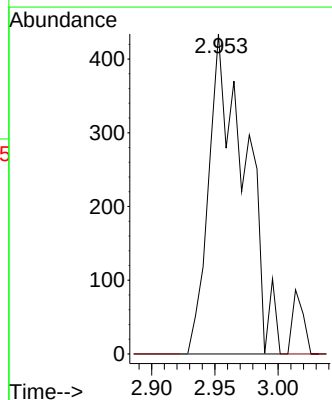
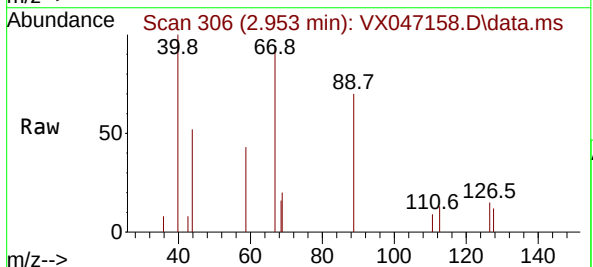
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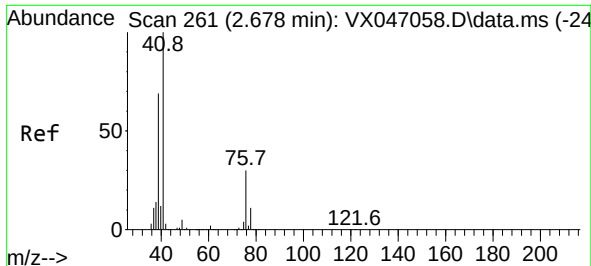
Tgt Ion:142 Resp: 3203  
Ion Ratio Lower Upper  
142 100  
127 50.6 36.6 54.8  
141 5.2 10.9 16.3#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.953 min Scan# 306  
Delta R.T. -0.005 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

Tgt Ion: 59 Resp: 879  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#

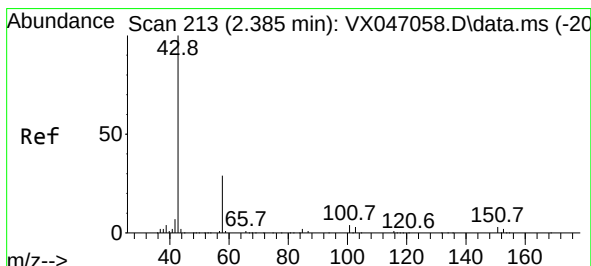
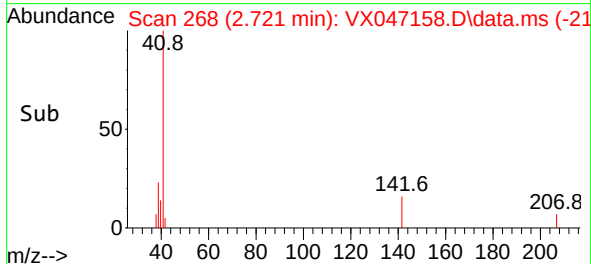
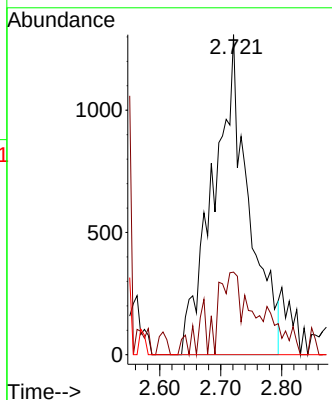
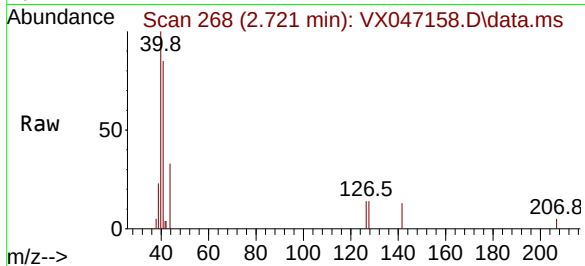




#14  
 Allyl chloride  
 Concen: 0.774 ug/l  
 RT: 2.721 min Scan# 215  
 Delta R.T. 0.043 min  
 Lab File: VX047158.D  
 Acq: 28 Jul 2025 11:53

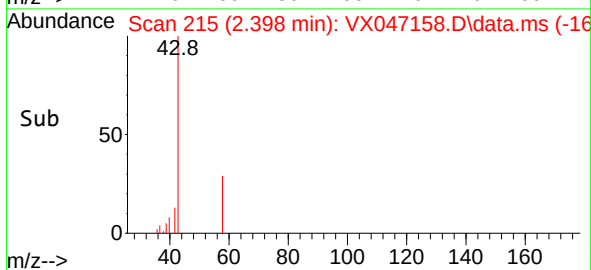
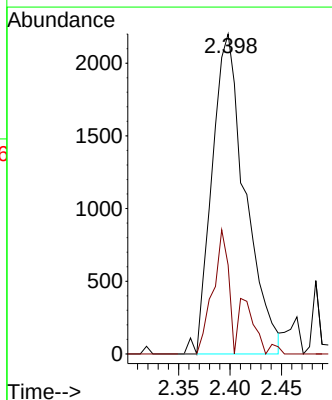
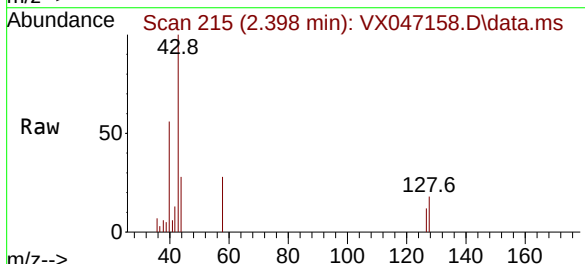
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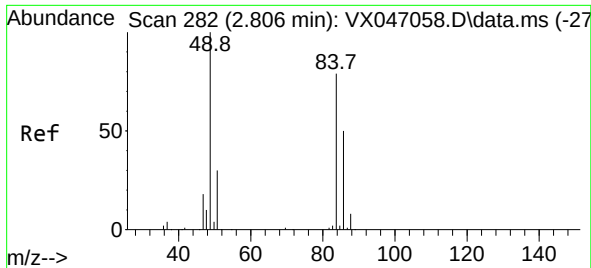
Tgt Ion: 41 Resp: 5242  
 Ion Ratio Lower Upper  
 41 100  
 39 22.1 52.6 78.8#  
 76 0.0 25.7 38.5#



#16  
 Acetone  
 Concen: 3.327 ug/l  
 RT: 2.398 min Scan# 215  
 Delta R.T. 0.013 min  
 Lab File: VX047158.D  
 Acq: 28 Jul 2025 11:53

Tgt Ion: 43 Resp: 4950  
 Ion Ratio Lower Upper  
 43 100  
 58 27.8 24.0 36.0

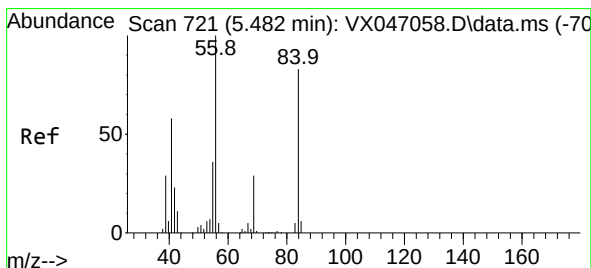
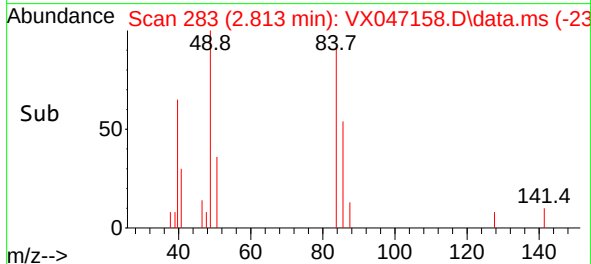
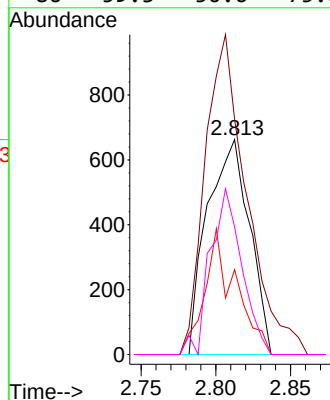
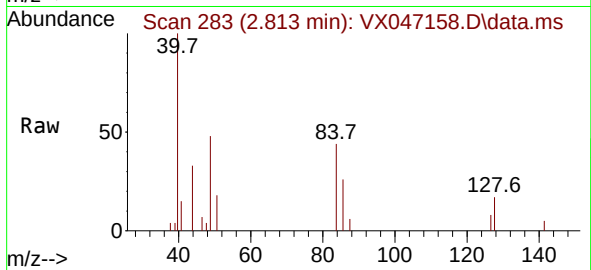




#20  
Methylene Chloride  
Concen: 0.317 ug/l  
RT: 2.813 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

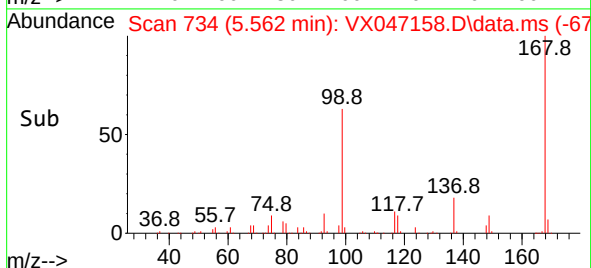
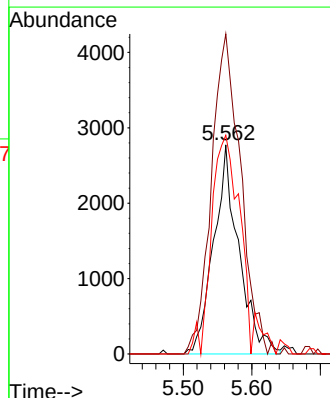
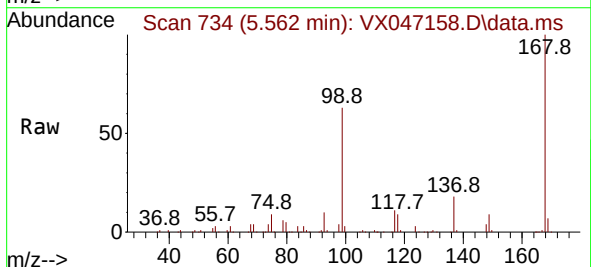
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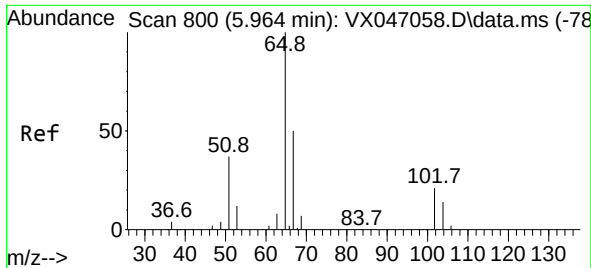
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1297  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 109.4 | 101.6 | 152.4 |
| 51       | 39.5  | 30.3  | 45.5  |
| 86       | 59.3  | 50.6  | 75.8  |



#31  
Cyclohexane  
Concen: 1.019 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.080 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 7074  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 147.1 | 23.3  | 34.9# |
| 84       | 102.6 | 66.5  | 99.7# |

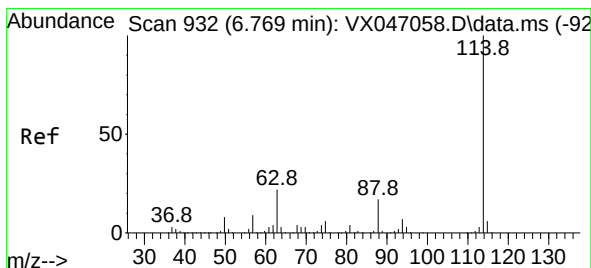
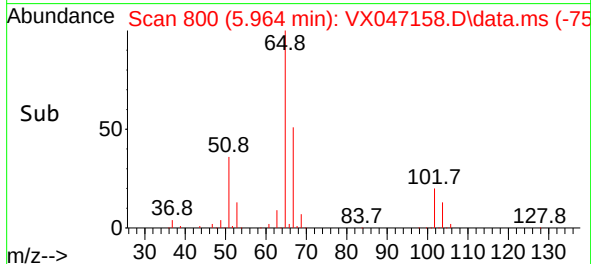
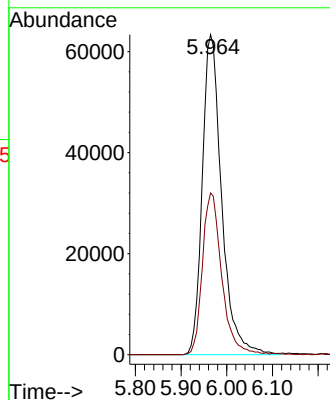
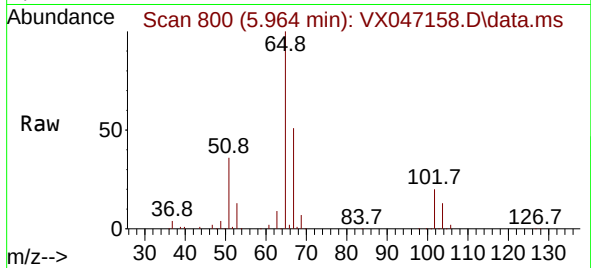




#33  
1,2-Dichloroethane-d4  
Concen: 50.227 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

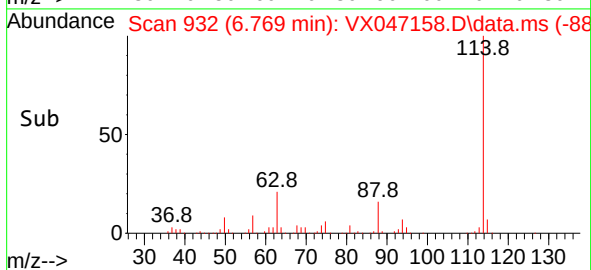
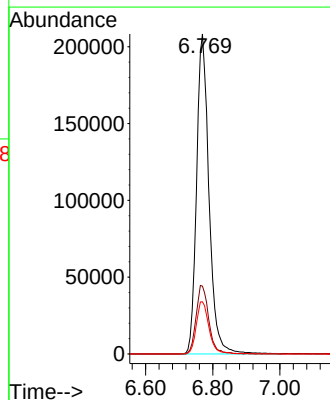
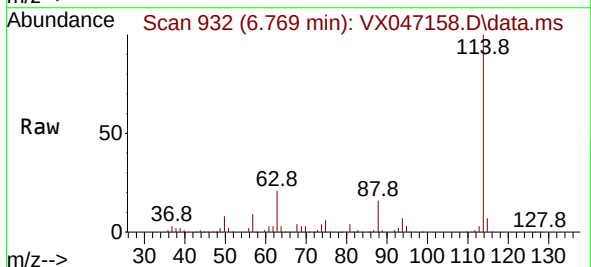
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ClientSampleId :  
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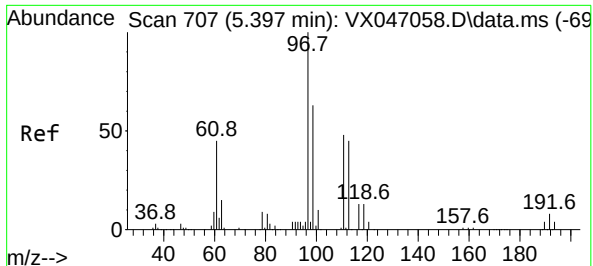
Tgt Ion: 65 Resp: 186563  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 104.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

Tgt Ion: 114 Resp: 534256  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 43.2  
88 16.3 0.0 33.8

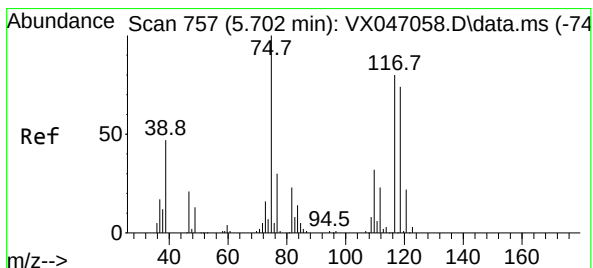
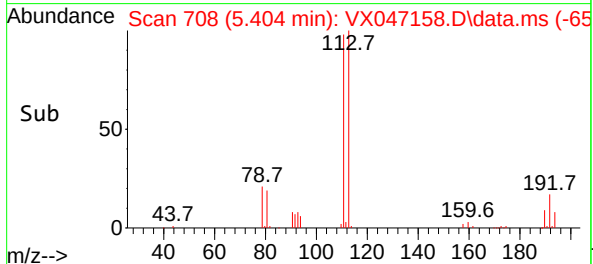
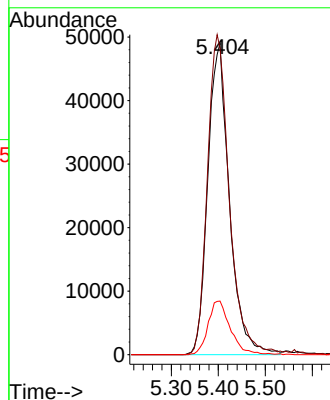
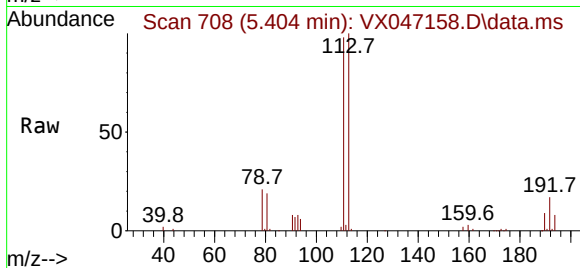




#35  
Dibromofluoromethane  
Concen: 47.358 ug/l  
RT: 5.404 min Scan# 707  
Delta R.T. 0.007 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

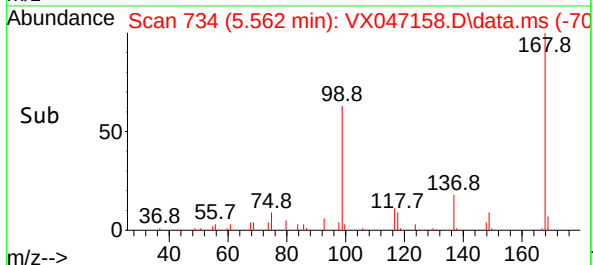
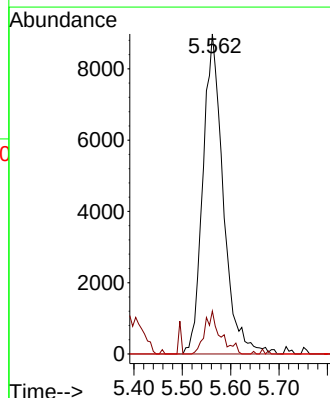
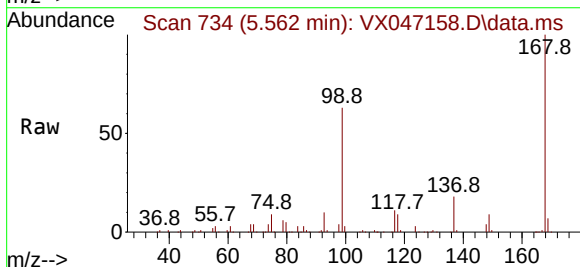
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:113 Resp: 156217  
Ion Ratio Lower Upper  
113 100  
111 104.5 82.6 124.0  
192 17.8 14.9 22.3

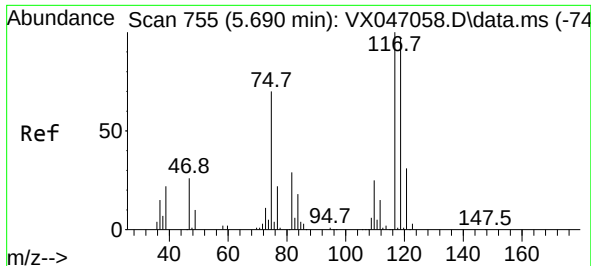


#36  
1,1-Dichloropropene  
Concen: 4.683 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

Tgt Ion: 75 Resp: 26332  
Ion Ratio Lower Upper  
75 100  
110 10.2 17.2 51.5#  
77 0.0 25.1 37.7#

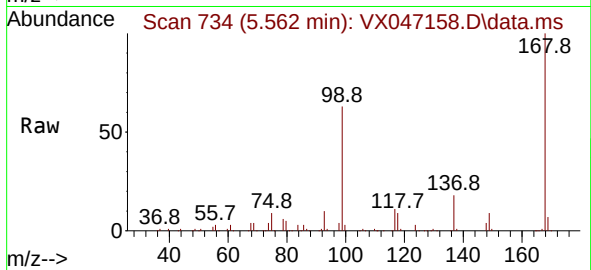




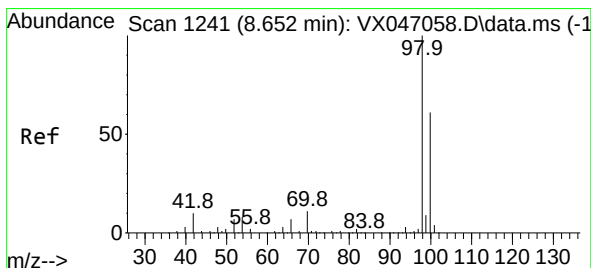
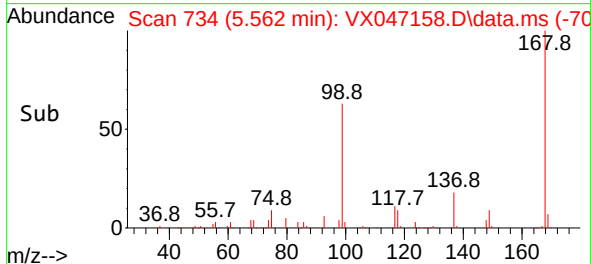
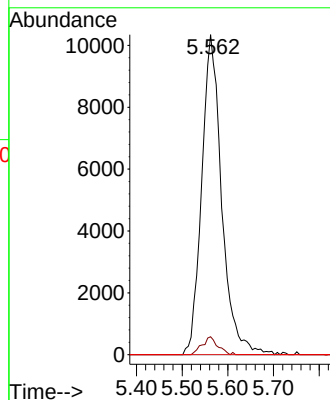


#38  
Carbon Tetrachloride  
Concen: 5.249 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

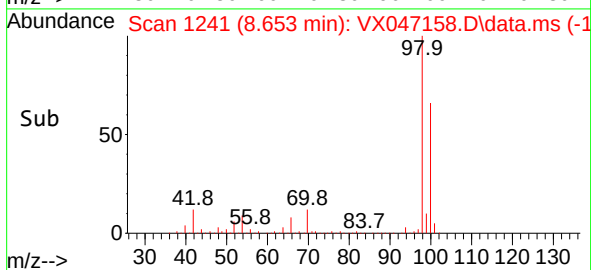
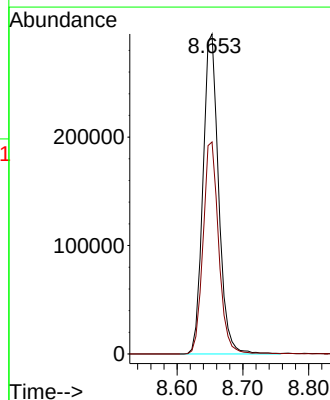
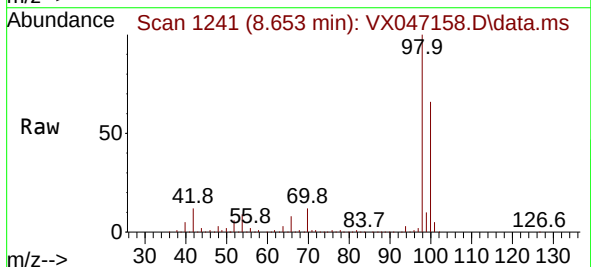


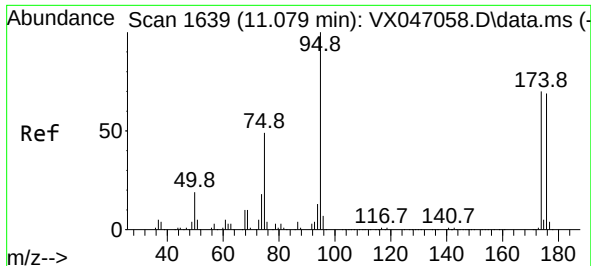
Tgt Ion:117 Resp: 31502  
Ion Ratio Lower Upper  
117 100  
119 5.6 76.6 115.0#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 45.597 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

Tgt Ion: 98 Resp: 487097  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.3 79.9

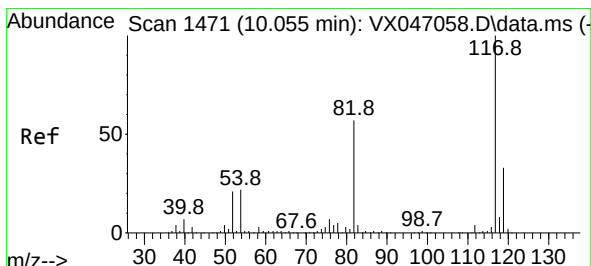
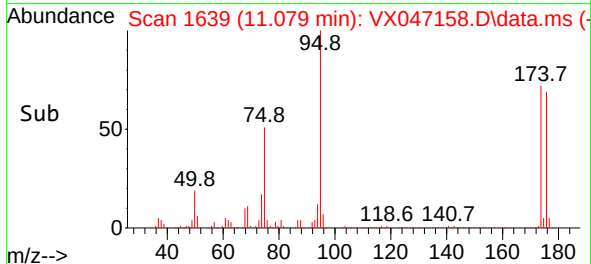
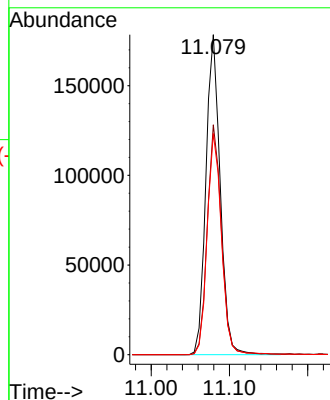
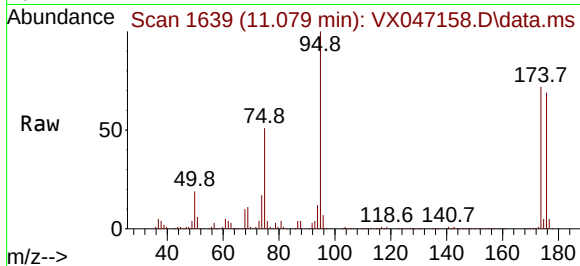




#62  
4-Bromofluorobenzene  
Concen: 48.955 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

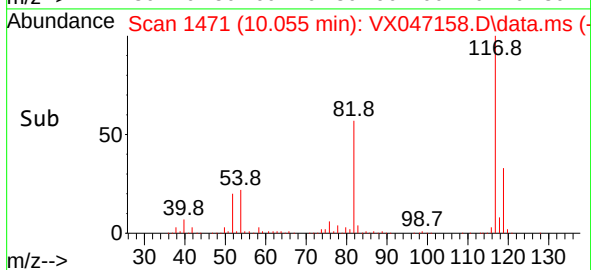
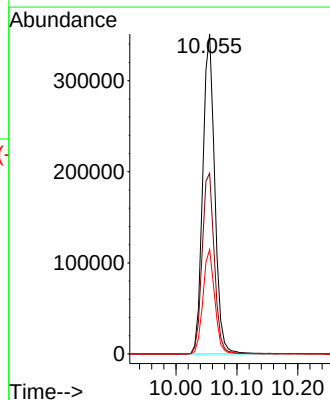
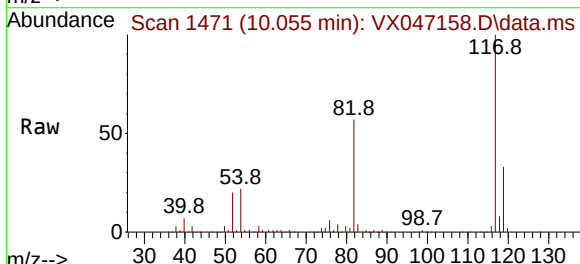
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

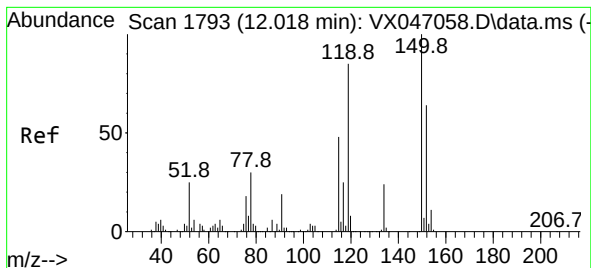
Tgt Ion: 95 Resp: 225373  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 144.6  
176 69.0 0.0 139.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

Tgt Ion: 117 Resp: 479953  
Ion Ratio Lower Upper  
117 100  
82 56.5 45.4 68.2  
119 32.6 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047158.D

Acq: 28 Jul 2025 11:53

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

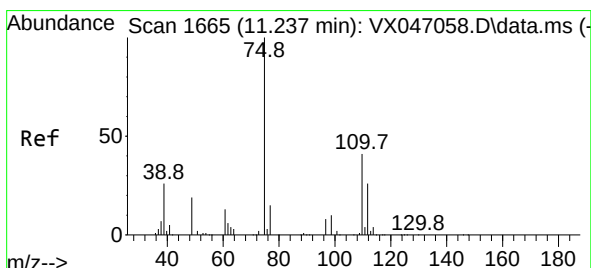
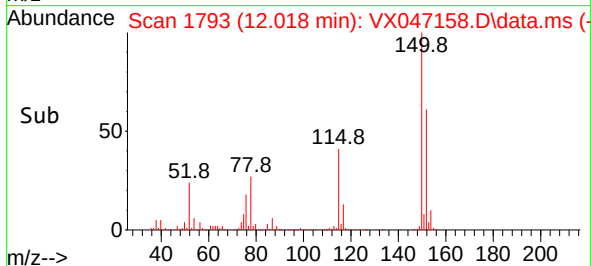
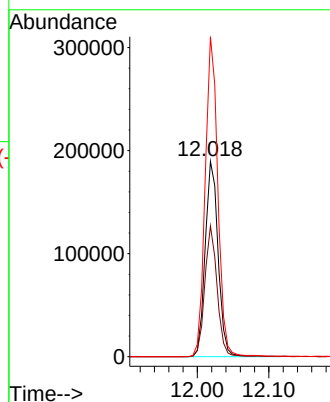
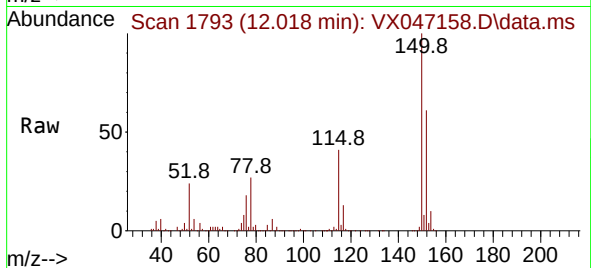
Tgt Ion:152 Resp: 238427

Ion Ratio Lower Upper

152 100

115 63.5 45.6 136.7

150 160.5 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 26.574 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047158.D

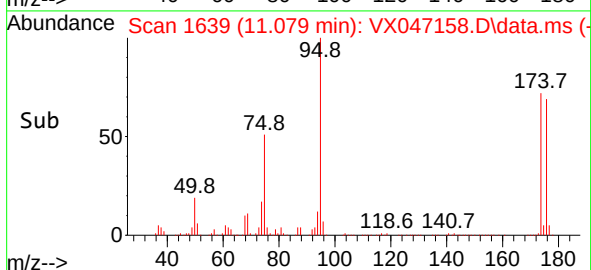
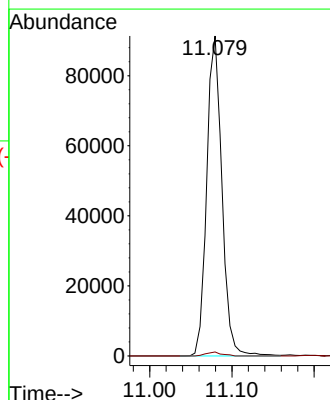
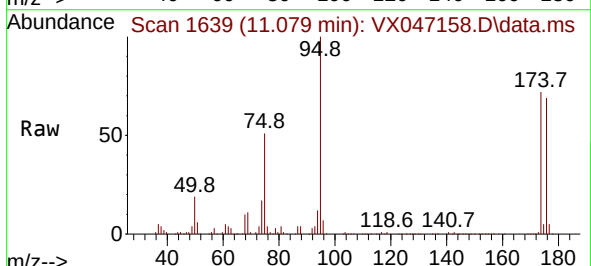
Acq: 28 Jul 2025 11:53

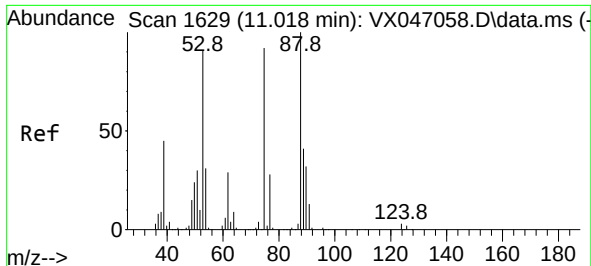
Tgt Ion: 75 Resp: 117276

Ion Ratio Lower Upper

75 100

77 1.3 21.6 65.0#

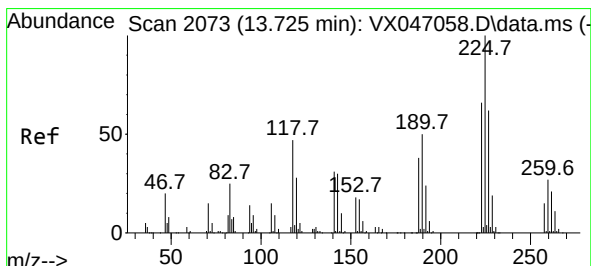
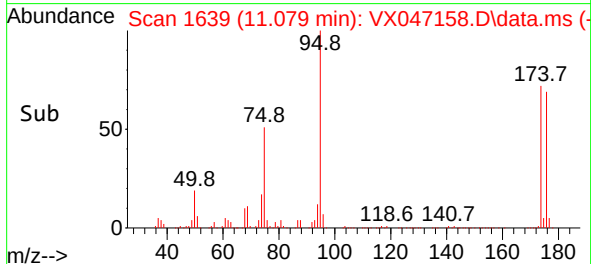
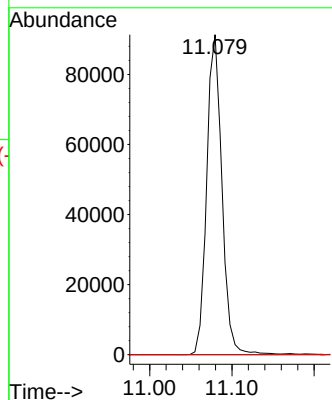
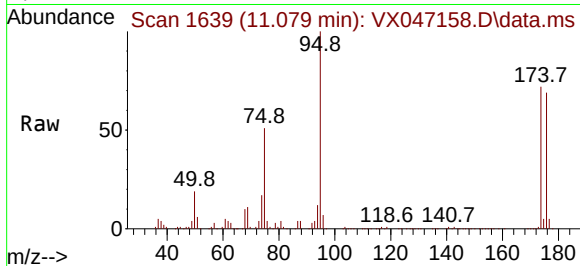




#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.465 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 117276  
Ion Ratio Lower Upper  
75 100  
53 0.0 84.2 126.4#  
89 0.0 36.0 54.0#



#94  
Hexachlorobutadiene  
Concen: 0.292 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX047158.D  
Acq: 28 Jul 2025 11:53

Tgt Ion: 225 Resp: 538  
Ion Ratio Lower Upper  
225 100  
223 57.4 31.6 95.0  
227 69.0 32.9 98.6

