

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060523\  
 Data File : VX036012.D  
 Acq On : 05 Jun 2023 18:49  
 Operator : JC/MD  
 Sample : 03027-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jun 06 06:48:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053123W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 31 12:50:30 2023  
 Response via : Initial Calibration

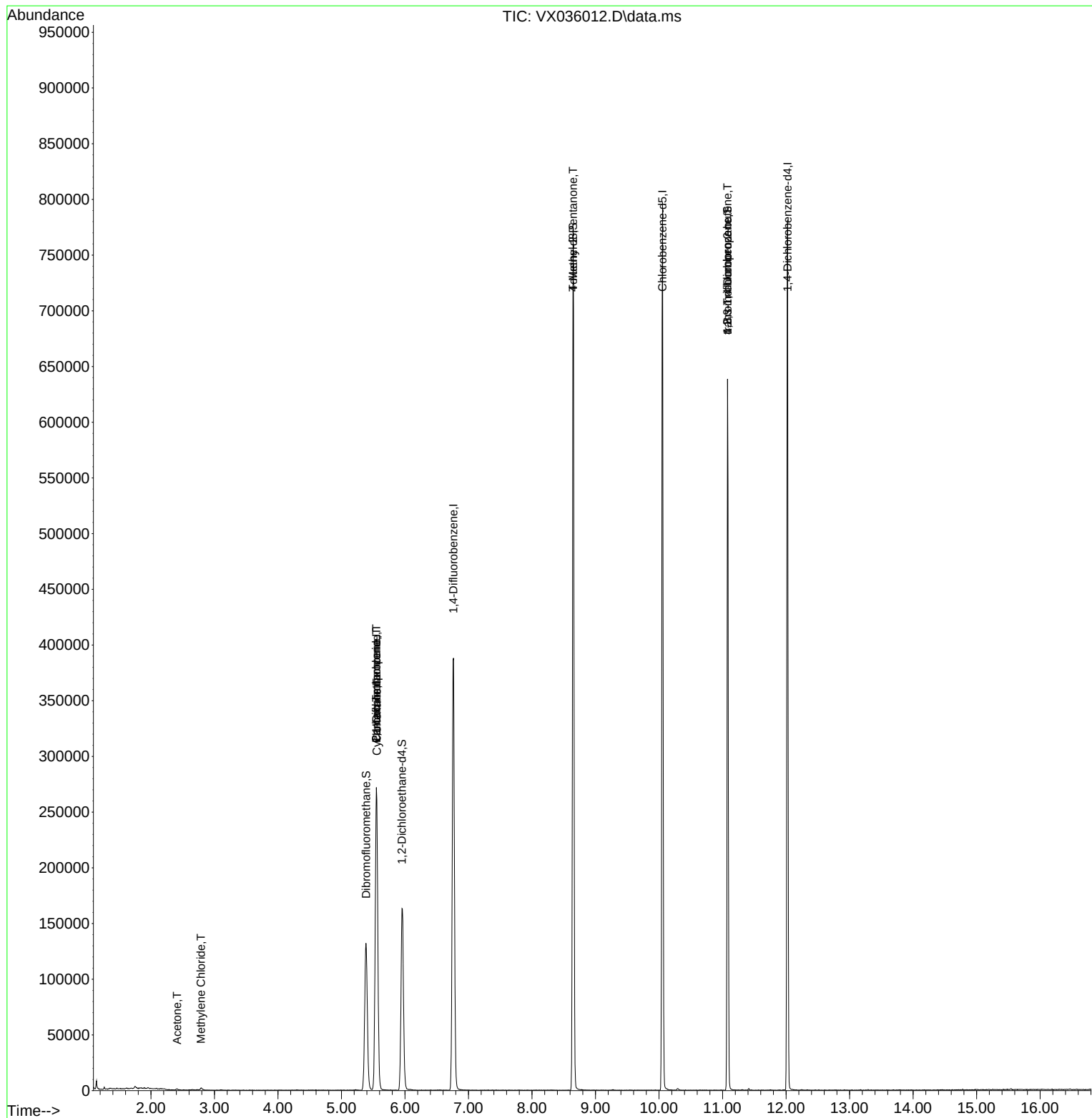
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 228541   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 372823   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 325557   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 148056   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 170697   | 45.995   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 92.000%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 114922   | 45.830   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 91.660%  |
| 50) Toluene-d8                | 8.647  | 98    | 437910   | 48.659   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.320%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 170169   | 47.899   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 95.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 2.410  | 43    | 1316     | 0.860    | ug/l   | 95       |
| 20) Methylene Chloride        | 2.788  | 84    | 941      | 0.319    | ug/l # | 77       |
| 31) Cyclohexane               | 5.556  | 56    | 6309     | 1.624    | ug/l # | 22       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 21952    | 6.566    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 27887    | 8.559    | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 2477     | 0.663    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 94218    | 28.215   | ug/l # | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 94218    | 95.036   | ug/l # | 3        |
| -----                         |        |       |          |          |        |          |

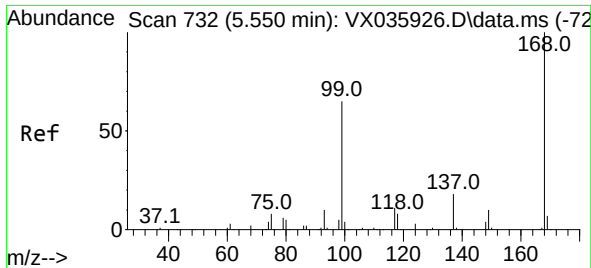
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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STORAGE-BLANK-SOIL-REF-6

Quant Time: Jun 06 06:48:01 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053123W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 31 12:50:30 2023  
Response via : Initial Calibration

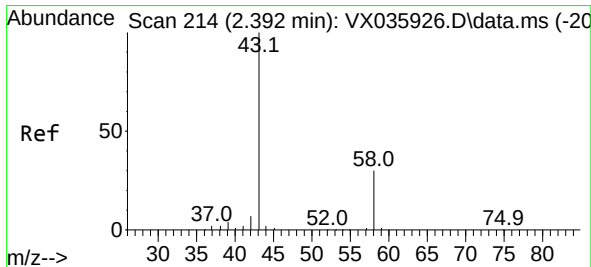
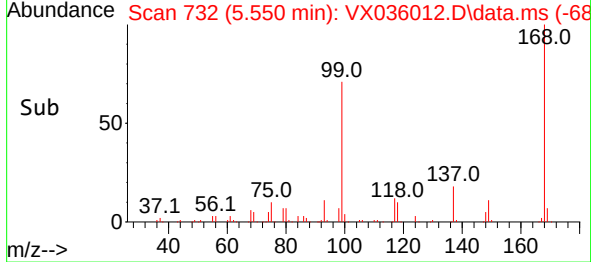
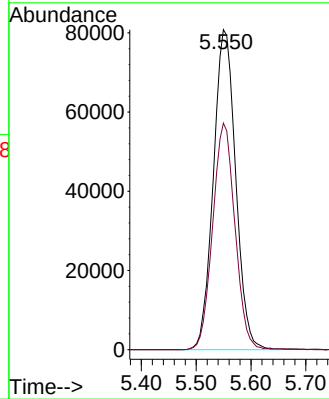
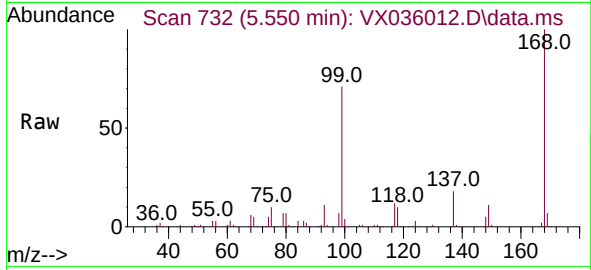




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

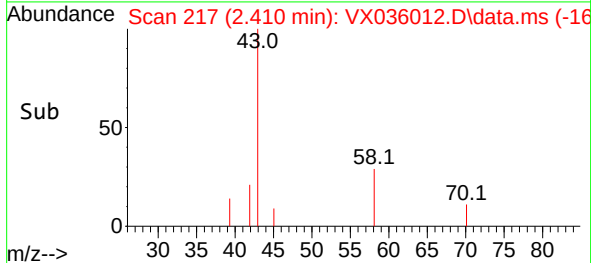
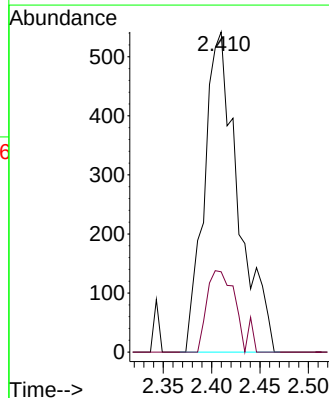
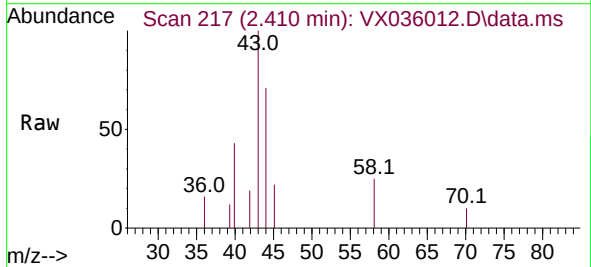
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

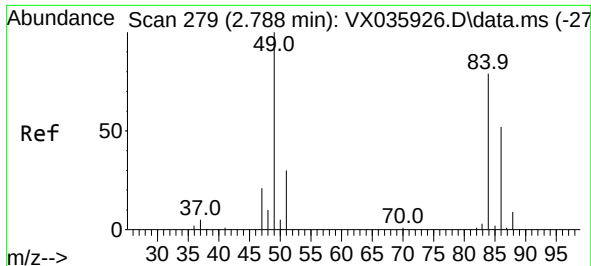
Tgt Ion:168 Resp: 228541  
Ion Ratio Lower Upper  
168 100  
99 70.8 57.0 85.6



#16  
Acetone  
Concen: 0.860 ug/l  
RT: 2.410 min Scan# 217  
Delta R.T. 0.019 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

Tgt Ion: 43 Resp: 1316  
Ion Ratio Lower Upper  
43 100  
58 25.1 22.2 33.2

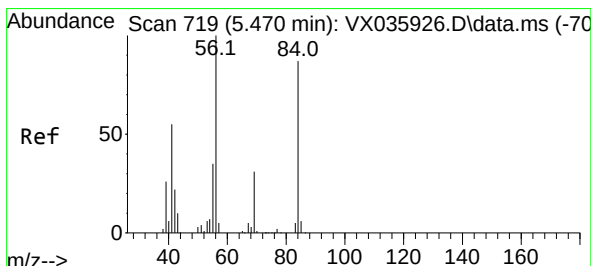
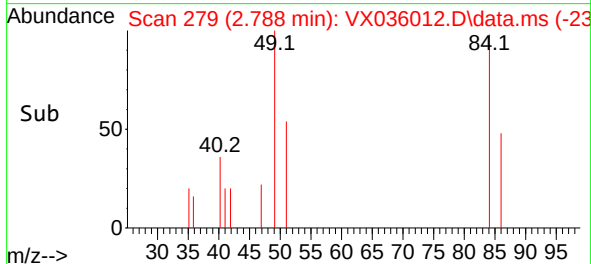
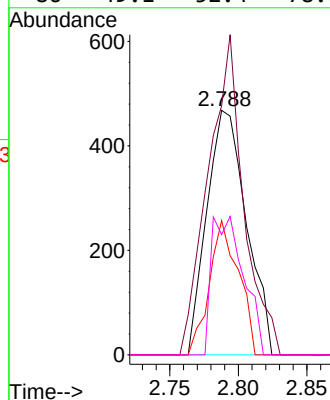
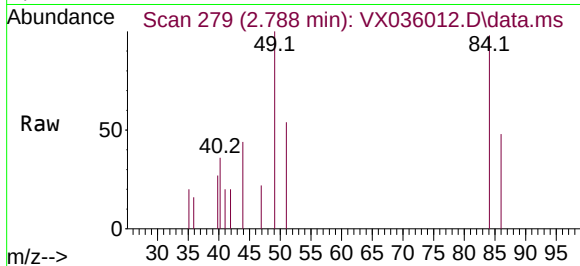




#20  
Methylene Chloride  
Concen: 0.319 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

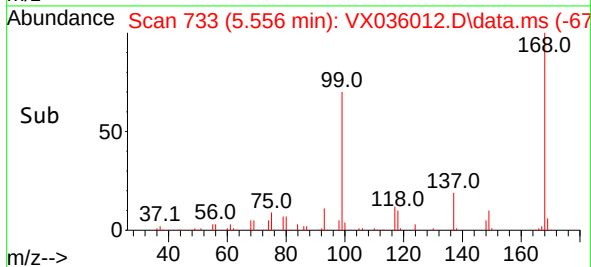
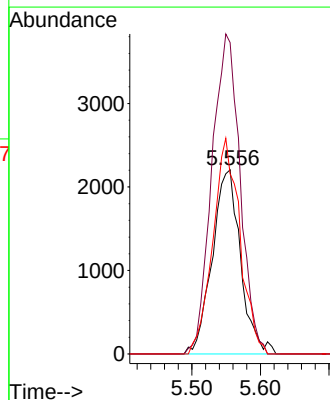
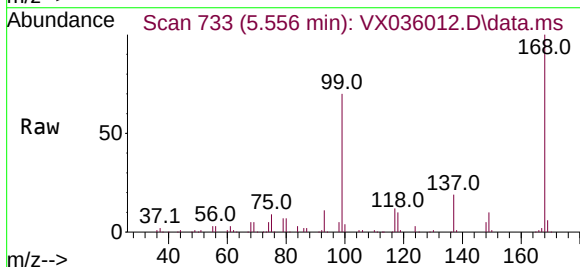
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

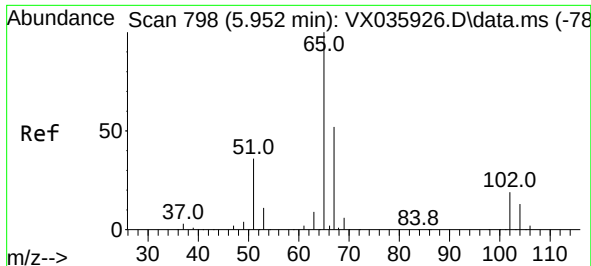
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 941    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 101.9 | 104.6 | 156.8# |
| 51       | 54.9  | 32.2  | 48.4#  |
| 86       | 49.1  | 52.4  | 78.6#  |



#31  
Cyclohexane  
Concen: 1.624 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.086 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 6309  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 169.1 | 25.9  | 38.9# |
| 84       | 97.7  | 67.6  | 101.4 |

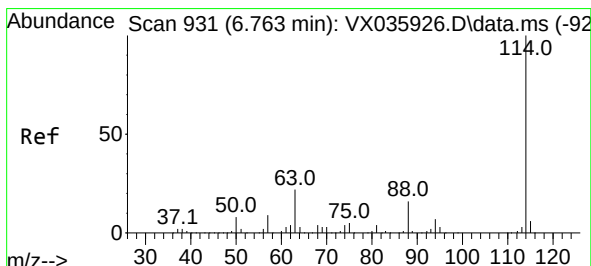
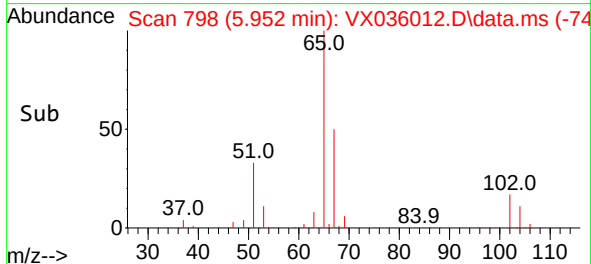
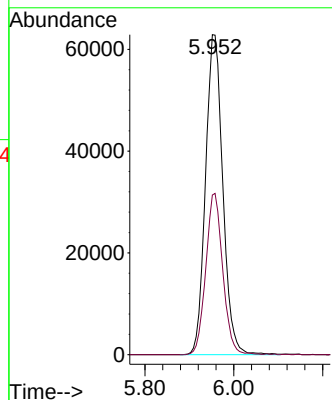
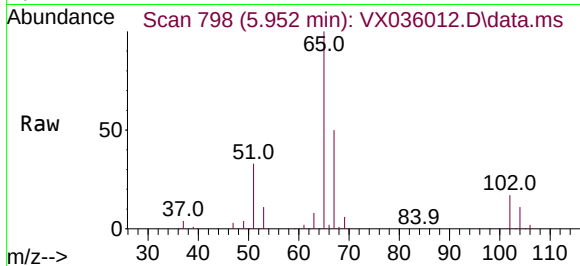




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.995 ug/l  
 RT: 5.952 min Scan# 798  
 Delta R.T. -0.000 min  
 Lab File: VX036012.D  
 Acq: 05 Jun 2023 18:49

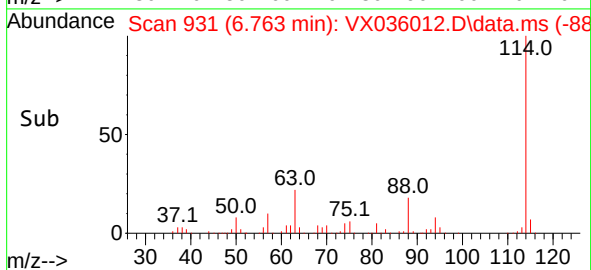
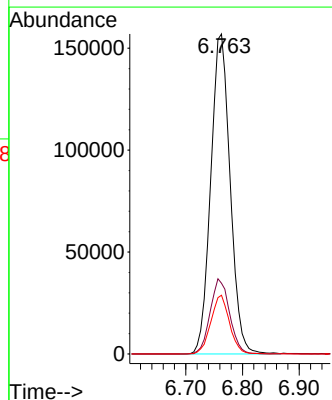
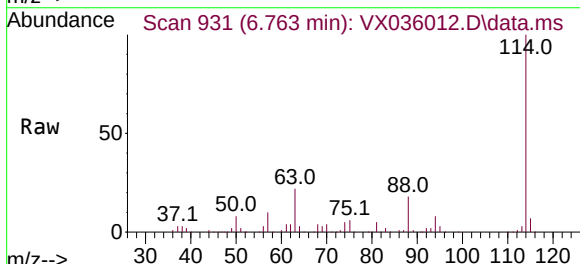
Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

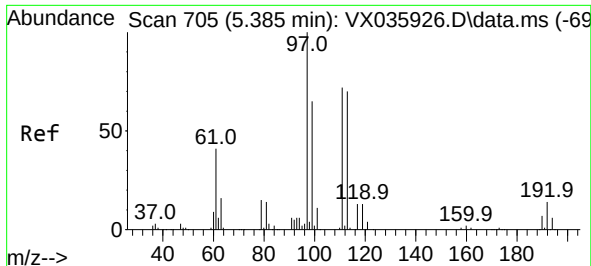
Tgt Ion: 65 Resp: 170697  
 Ion Ratio Lower Upper  
 65 100  
 67 49.3 0.0 99.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.000 min  
 Lab File: VX036012.D  
 Acq: 05 Jun 2023 18:49

Tgt Ion: 114 Resp: 372823  
 Ion Ratio Lower Upper  
 114 100  
 63 22.1 0.0 46.0  
 88 18.4 0.0 35.2

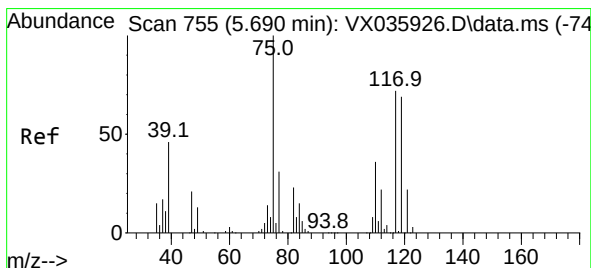
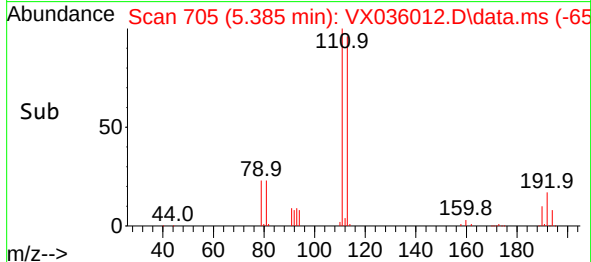
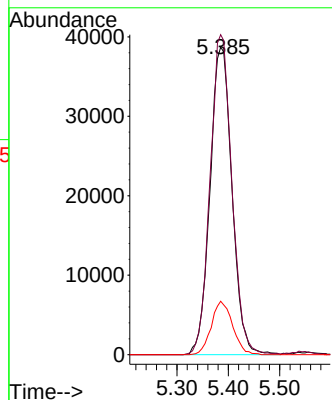
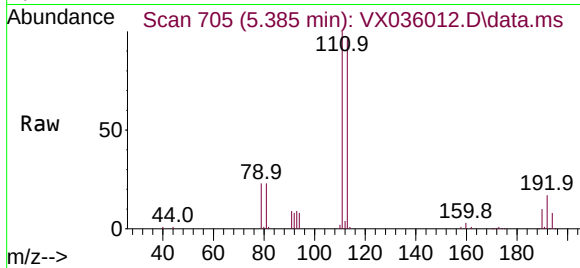




#35  
Dibromofluoromethane  
Concen: 45.830 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

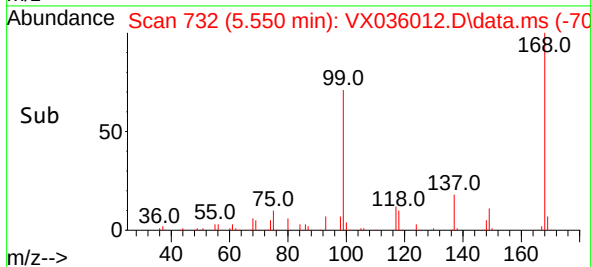
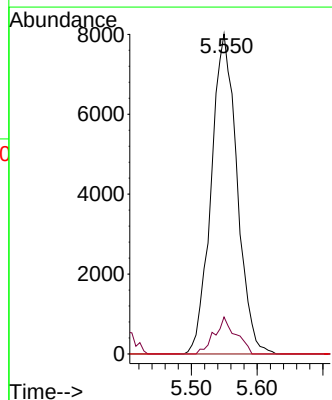
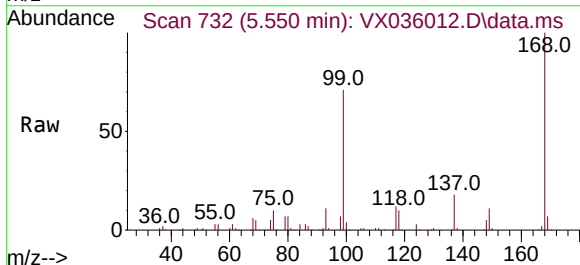
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

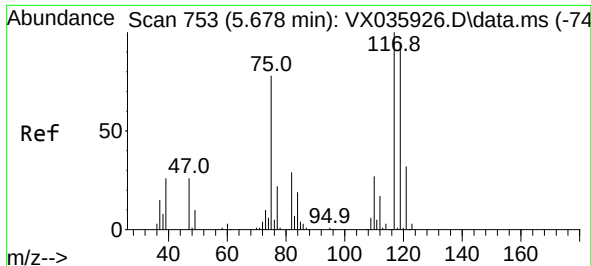
Tgt Ion:113 Resp: 114922  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.7 122.5  
192 16.8 13.5 20.3



#36  
1,1-Dichloropropene  
Concen: 6.566 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

Tgt Ion: 75 Resp: 21952  
Ion Ratio Lower Upper  
75 100  
110 9.5 16.6 49.7#  
77 0.0 24.4 36.6#

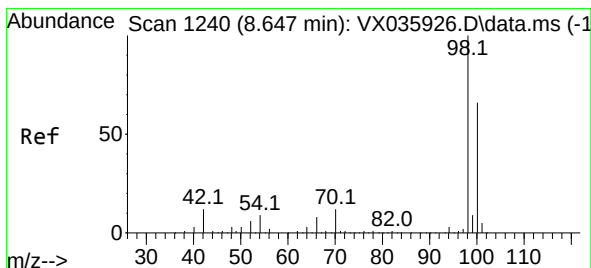
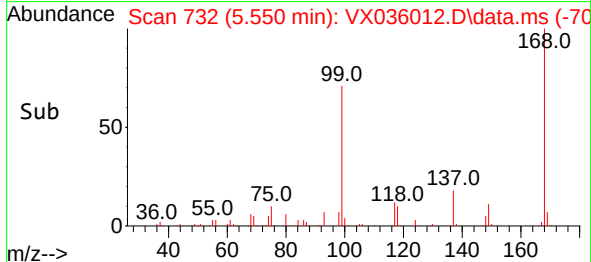
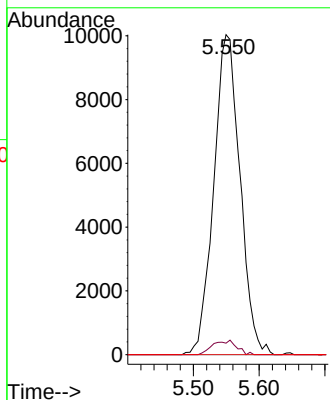
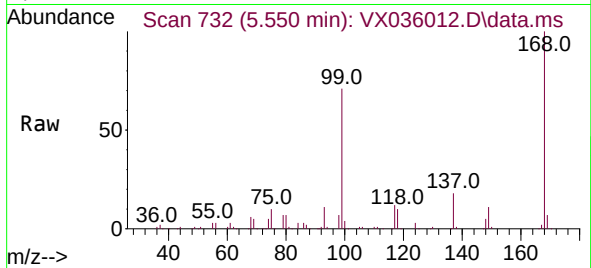




#38  
Carbon Tetrachloride  
Concen: 8.559 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.127 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

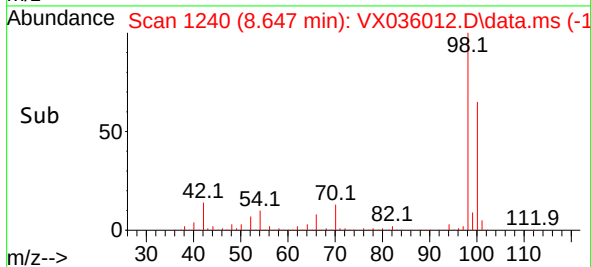
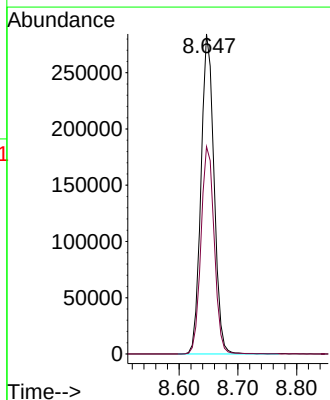
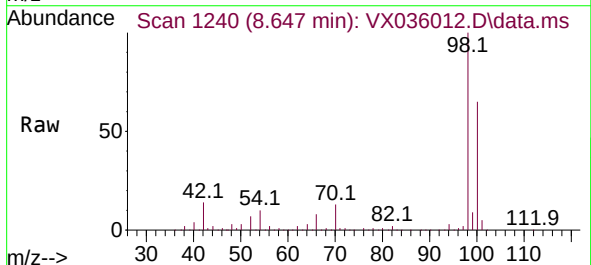
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

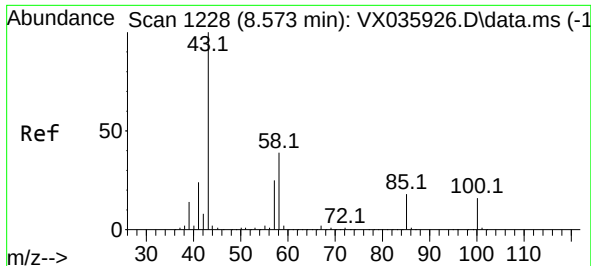
Tgt Ion:117 Resp: 27887  
Ion Ratio Lower Upper  
117 100  
119 3.6 74.1 111.1#  
121 0.0 25.0 37.4#



#50  
Toluene-d8  
Concen: 48.659 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.001 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

Tgt Ion: 98 Resp: 437910  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 0.663 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX036012.D

Acq: 05 Jun 2023 18:49

Instrument :

MSVOA\_X

ClientSampleId :

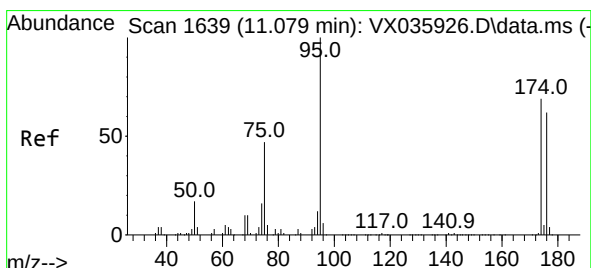
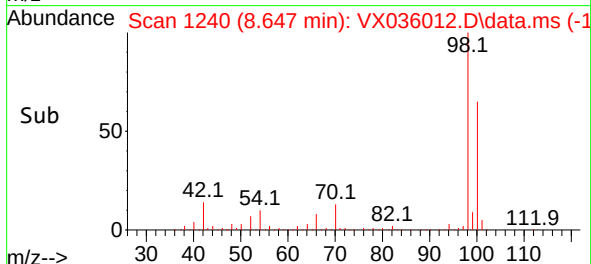
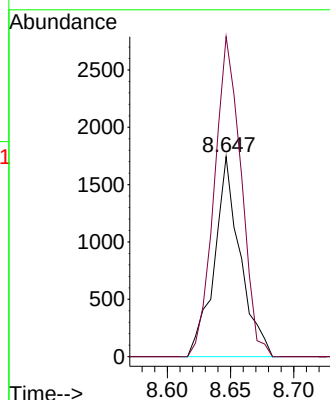
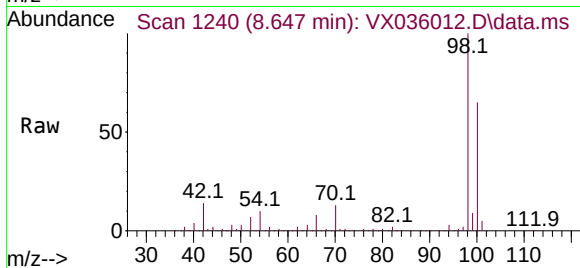
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 43 Resp: 2477

Ion Ratio Lower Upper

43 100

58 166.0 30.1 45.1#



#62

4-Bromofluorobenzene

Concen: 47.899 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036012.D

Acq: 05 Jun 2023 18:49

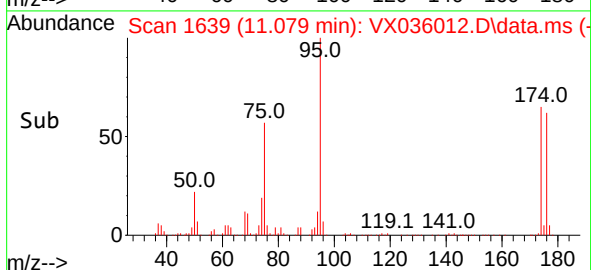
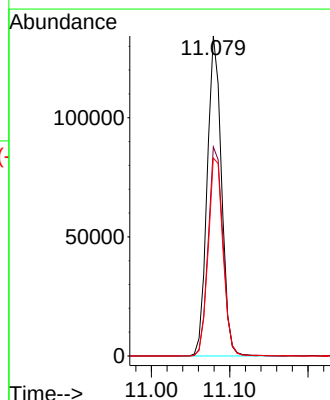
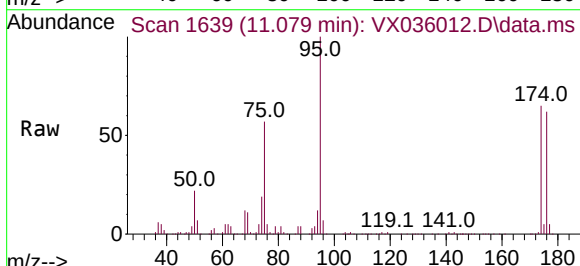
Tgt Ion: 95 Resp: 170169

Ion Ratio Lower Upper

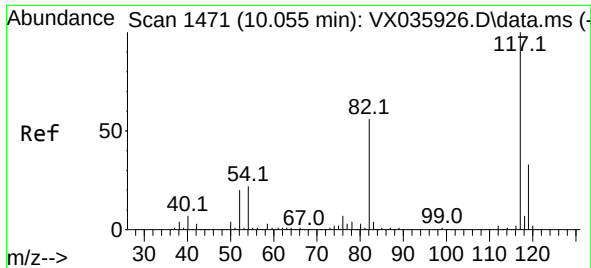
95 100

174 67.0 0.0 132.6

176 64.0 0.0 128.0



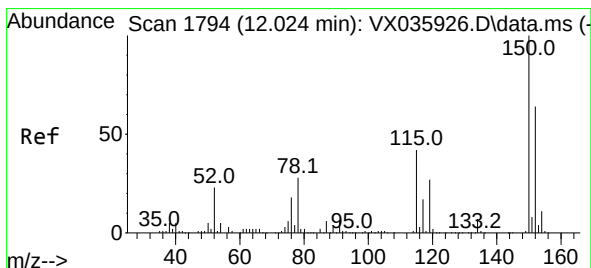
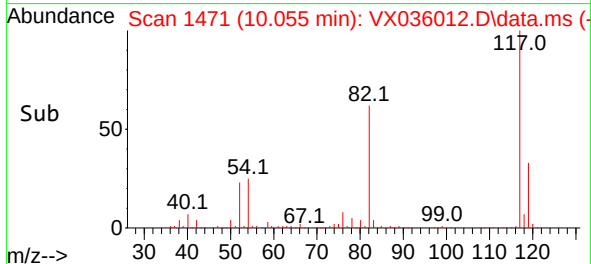
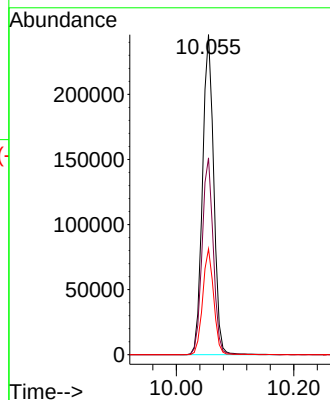
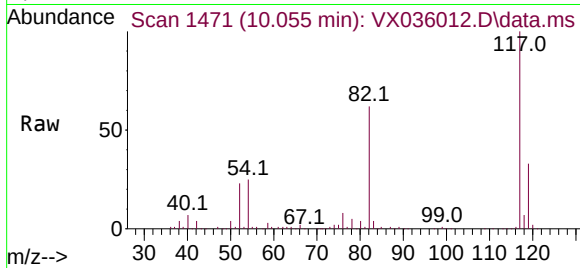




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

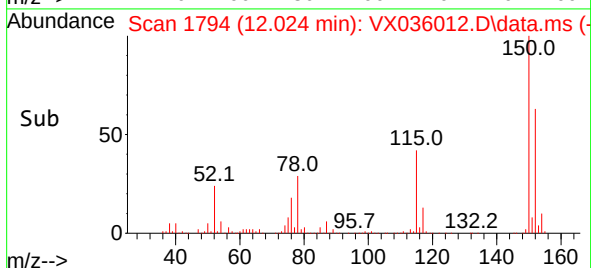
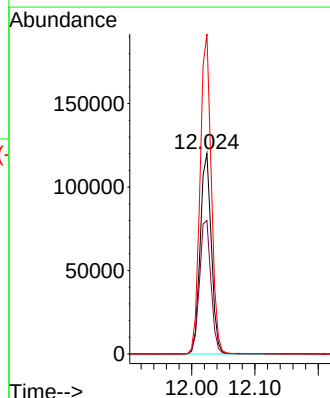
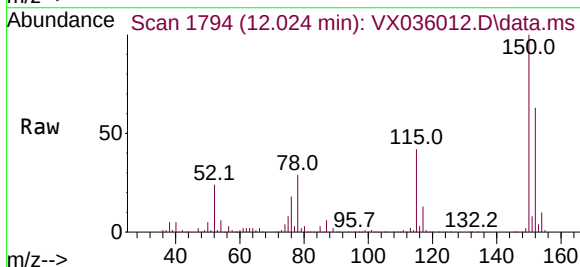
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

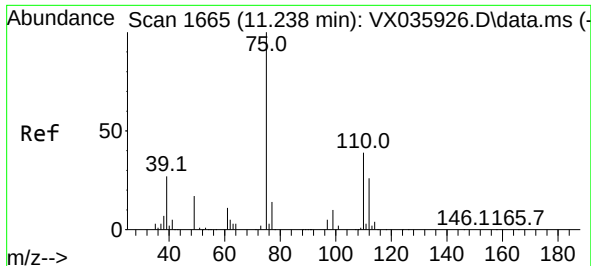
Tgt Ion:117 Resp: 325557  
Ion Ratio Lower Upper  
117 100  
82 61.5 46.6 69.8  
119 33.0 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

Tgt Ion:152 Resp: 148056  
Ion Ratio Lower Upper  
152 100  
115 68.3 45.5 136.5  
150 160.0 0.0 345.2

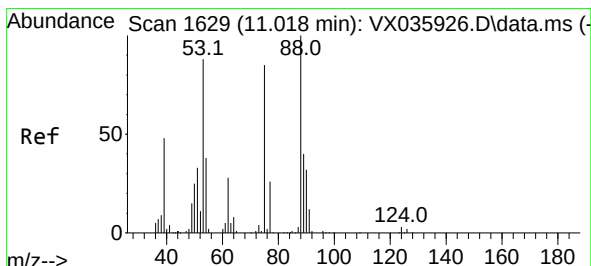
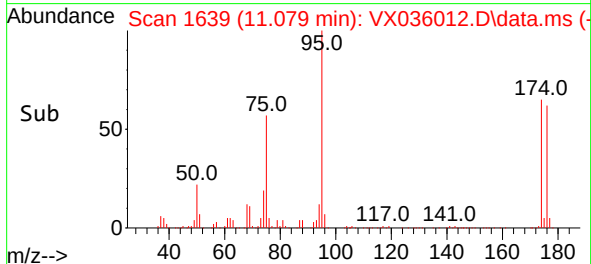
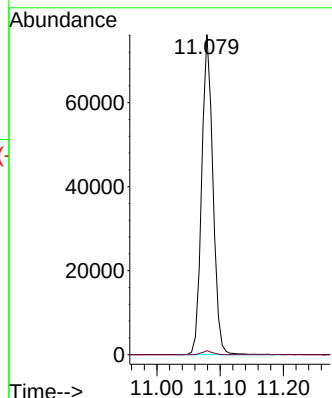
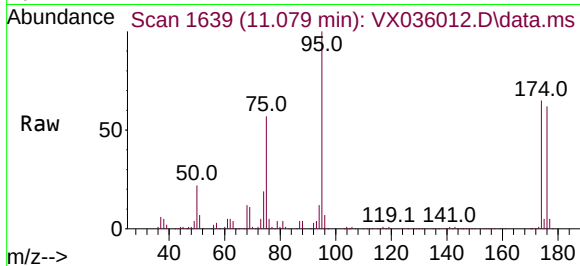




#76  
1,2,3-Trichloropropane  
Concen: 28.215 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

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

Tgt Ion: 75 Resp: 94218  
Ion Ratio Lower Upper  
75 100  
77 1.1 21.4 64.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 95.036 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX036012.D  
Acq: 05 Jun 2023 18:49

Tgt Ion: 75 Resp: 94218  
Ion Ratio Lower Upper  
75 100  
53 0.0 95.2 142.8#  
89 0.0 38.0 57.0#

