

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX083123\  
 Data File : VX037437.D  
 Acq On : 31 Aug 2023 17:54  
 Operator : JC/MD  
 Sample : 04182-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Sep 01 03:15:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

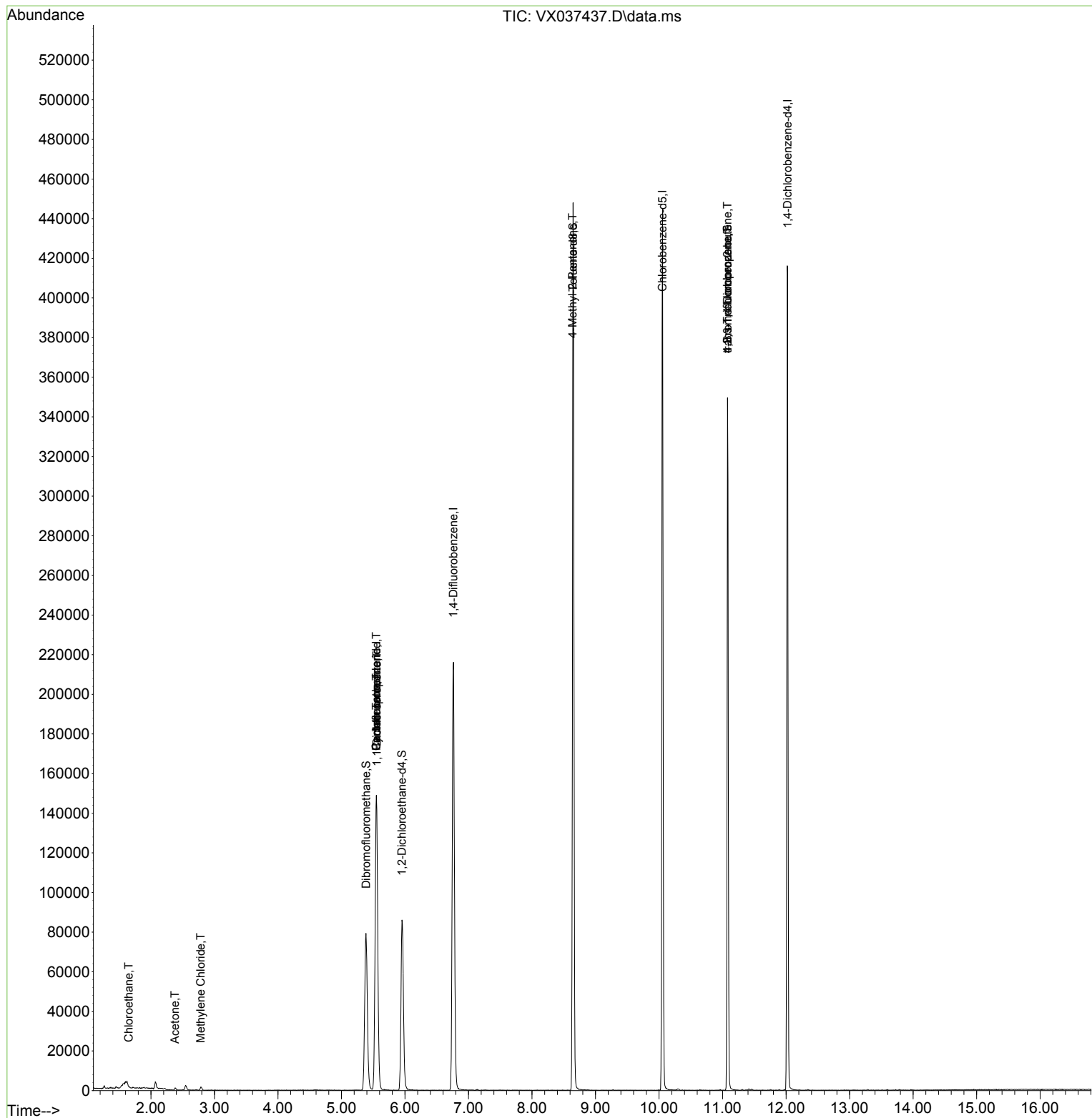
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 142092   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 233723   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 206078   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 92513    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 86644    | 42.296   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 84.600%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 71718    | 46.333   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 92.660%  |
| 50) Toluene-d8                | 8.647  | 98    | 272820   | 48.589   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.180%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 98171    | 44.491   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 88.980%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 6) Chloroethane               | 1.648  | 64    | 223      | 0.241    | ug/l # | 43       |
| 16) Acetone                   | 2.380  | 43    | 1188     | 1.482    | ug/l # | 60       |
| 20) Methylene Chloride        | 2.782  | 84    | 937      | 0.523    | ug/l # | 70       |
| 31) Cyclohexane               | 5.550  | 56    | 2692     | 1.169    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 10973    | 4.990    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 15009    | 6.283    | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 972      | 0.449    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 48373    | 24.552   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 48373    | 68.575   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

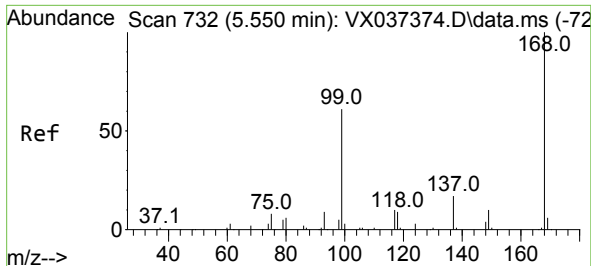
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
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STORAGE-BLANK-SOIL-REF-6

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Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration

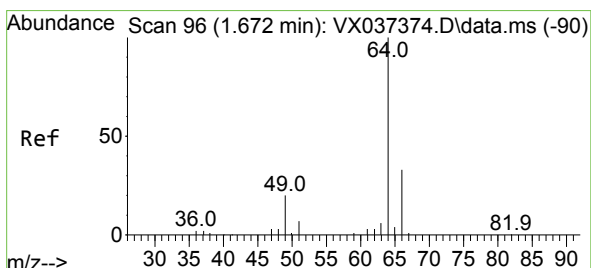
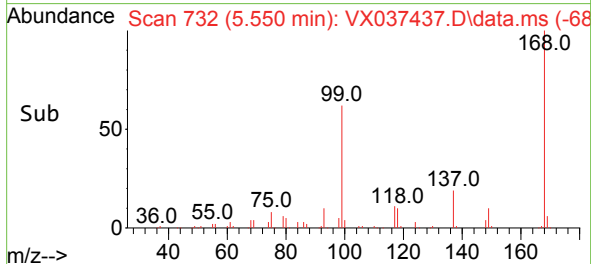
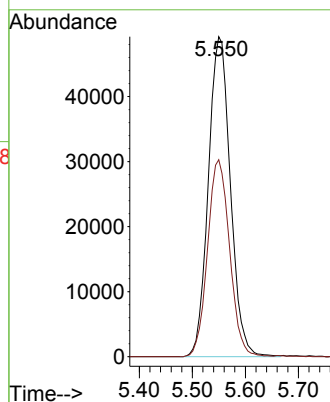
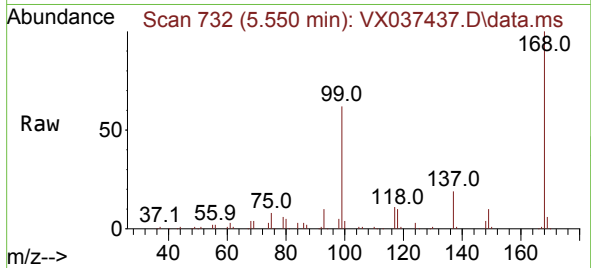




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

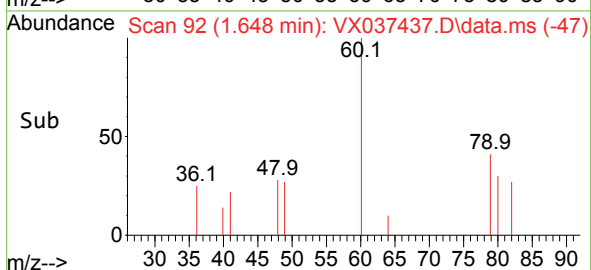
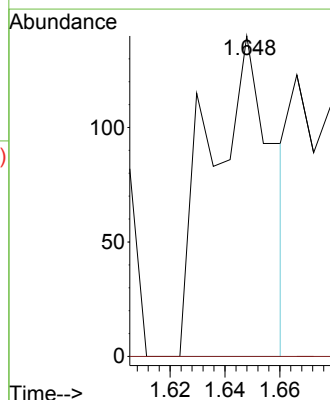
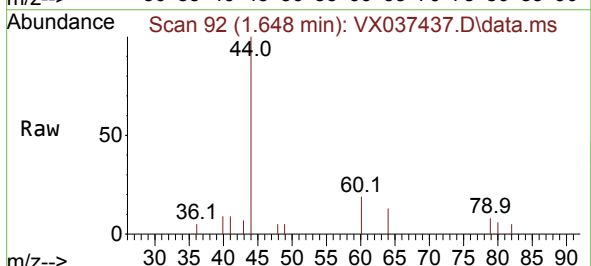
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

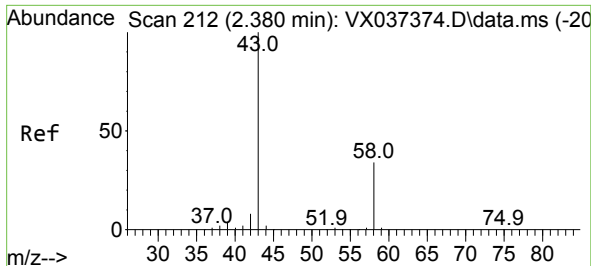
Tgt Ion:168 Resp: 142092  
Ion Ratio Lower Upper  
168 100  
99 61.5 56.6 85.0



#6  
Chloroethane  
Concen: 0.241 ug/l  
RT: 1.648 min Scan# 92  
Delta R.T. -0.024 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

Tgt Ion: 64 Resp: 223  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#

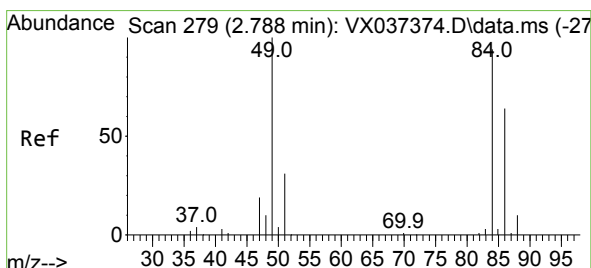
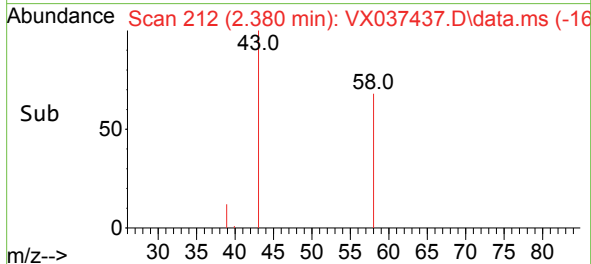
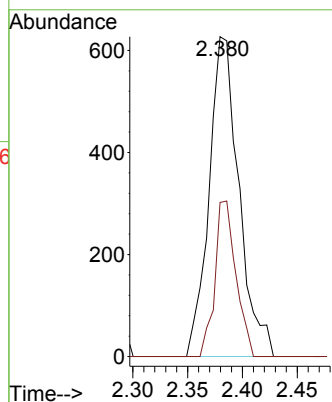
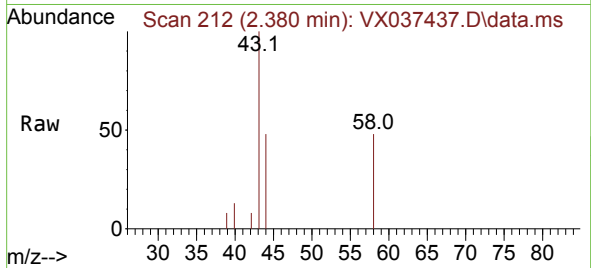




#16  
Acetone  
Concen: 1.482 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

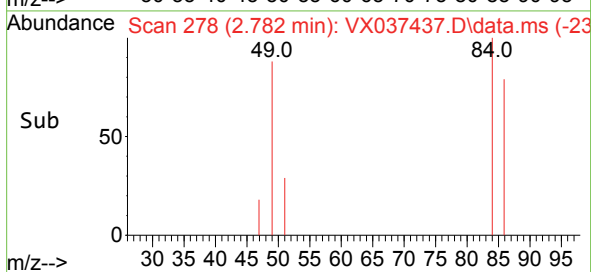
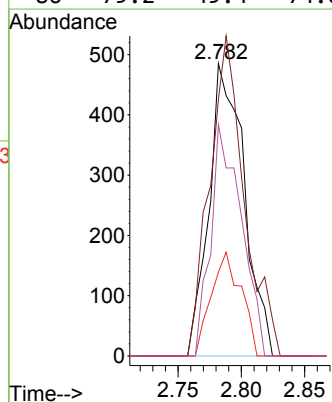
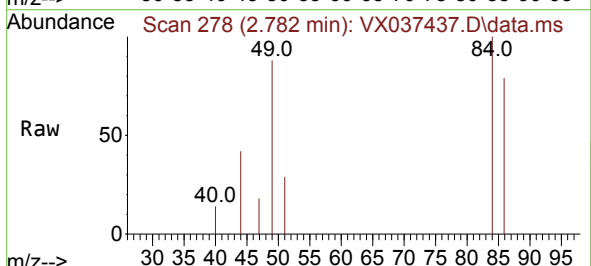
Instrument : MSVOA\_X  
ClientSampleId : STORAGE-BLANK-SOIL-REF-6

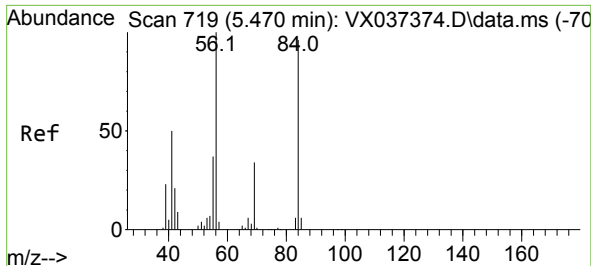
Tgt Ion: 43 Resp: 1188  
Ion Ratio Lower Upper  
43 100  
58 48.2 21.9 32.9#



#20  
Methylene Chloride  
Concen: 0.523 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.006 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

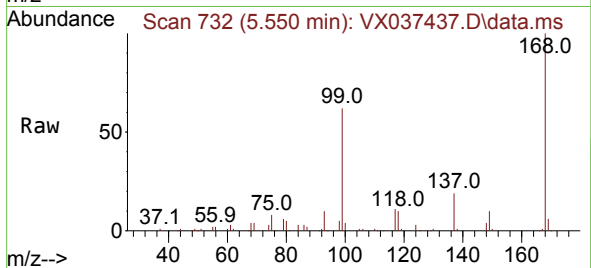
Tgt Ion: 84 Resp: 937  
Ion Ratio Lower Upper  
84 100  
49 87.8 103.6 155.4#  
51 28.7 33.8 50.6#  
86 79.2 49.4 74.0#



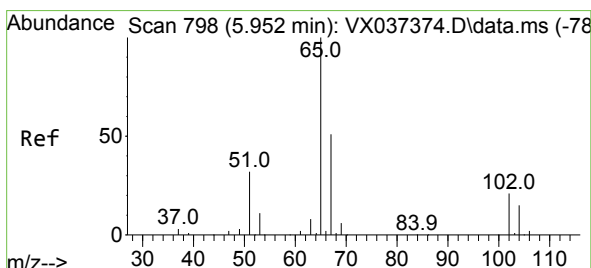
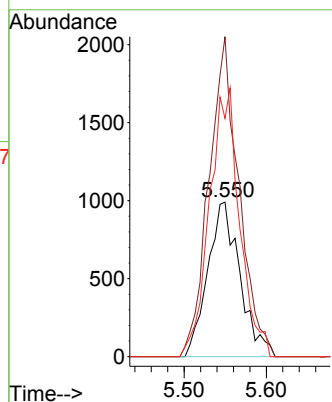
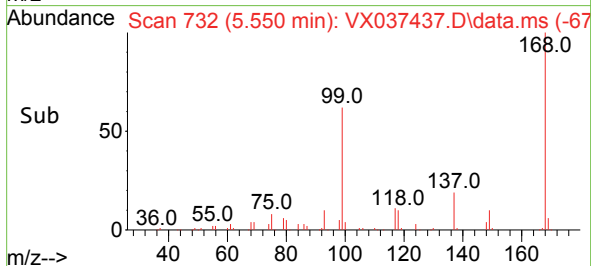


#31  
Cyclohexane  
Concen: 1.169 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

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

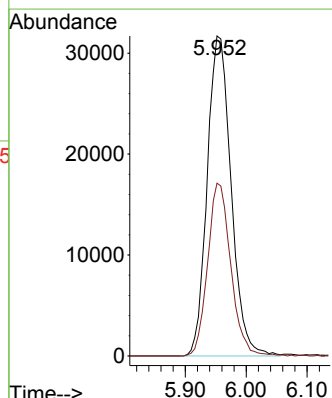
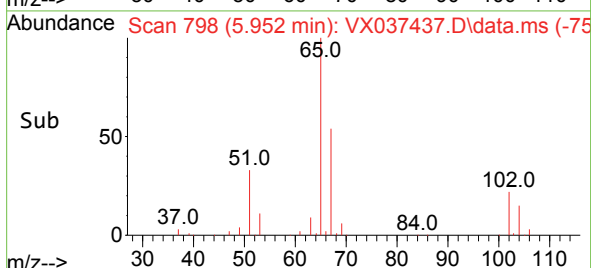
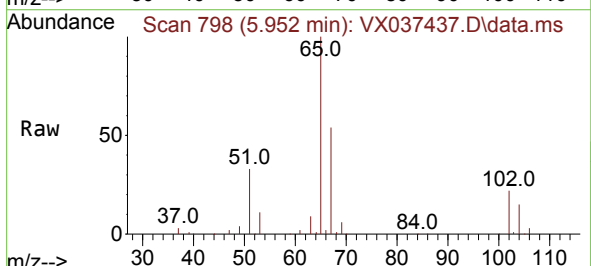


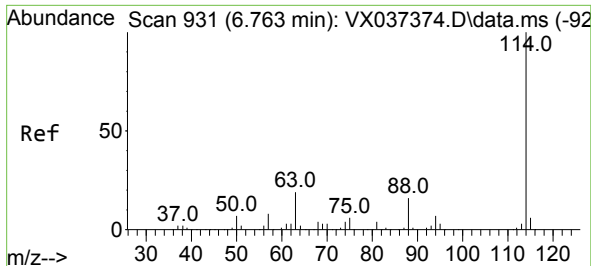
Tgt Ion: 56 Resp: 2692  
Ion Ratio Lower Upper  
56 100  
69 207.2 23.4 35.2#  
84 154.2 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 42.296 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

Tgt Ion: 65 Resp: 86644  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 100.2

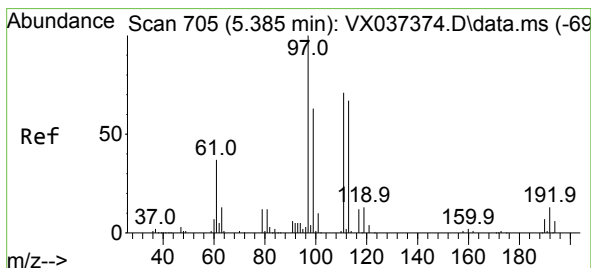
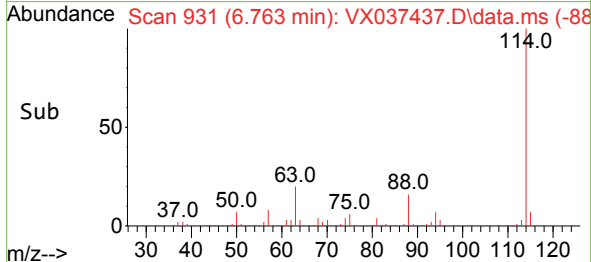
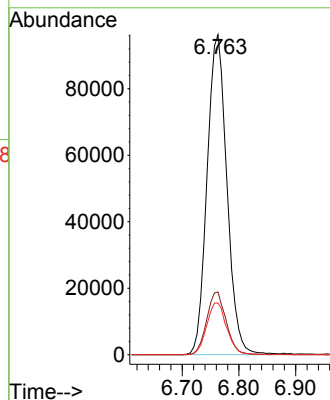
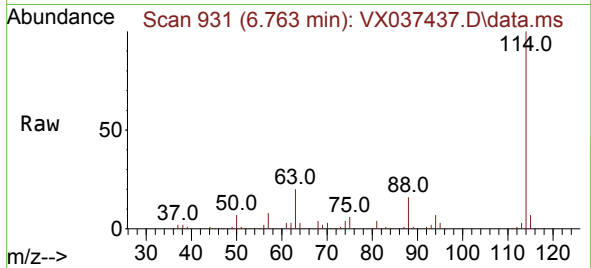




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

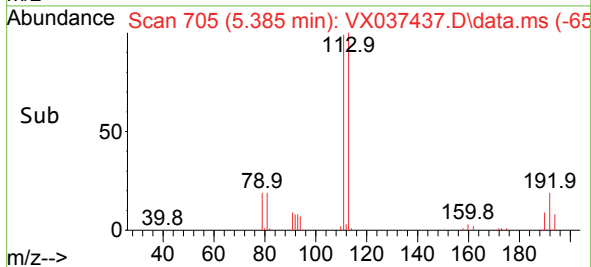
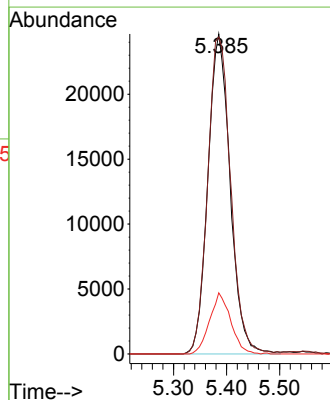
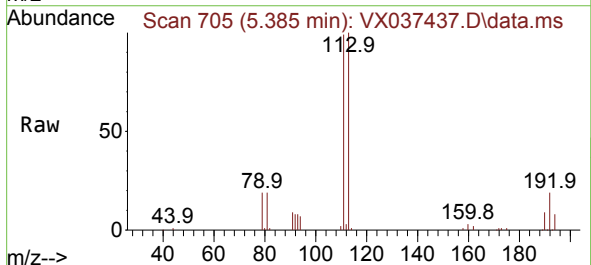
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

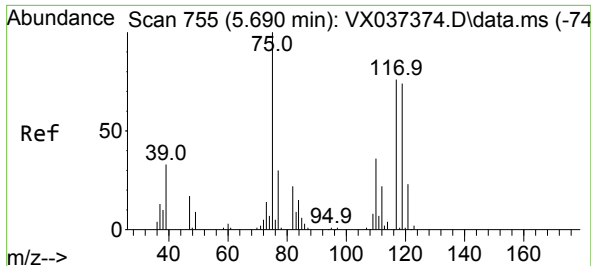
Tgt Ion:114 Resp: 233723  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 45.0  
88 16.2 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 46.333 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

Tgt Ion:113 Resp: 71718  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.9 124.3  
192 18.1 13.3 19.9

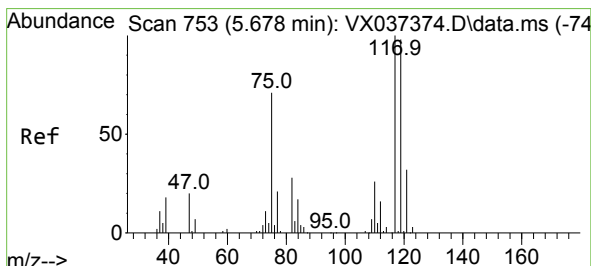
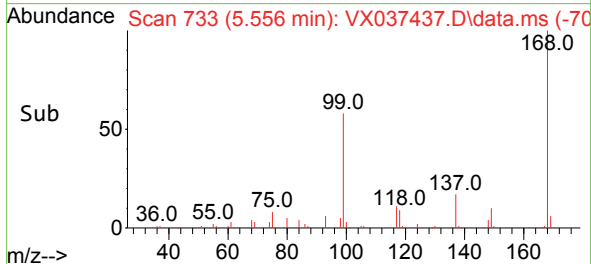
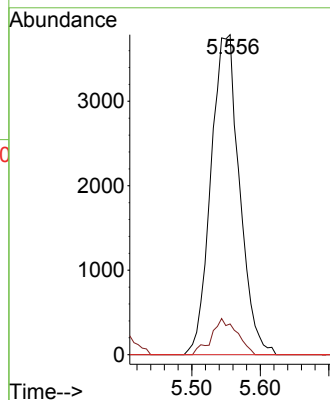
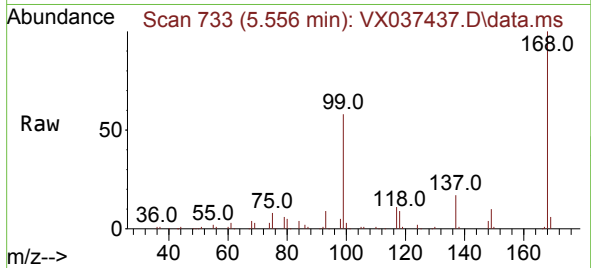




#36  
1,1-Dichloropropene  
Concen: 4.990 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

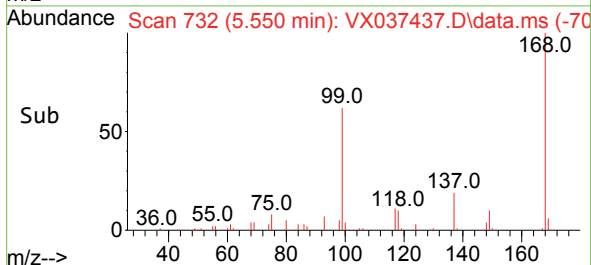
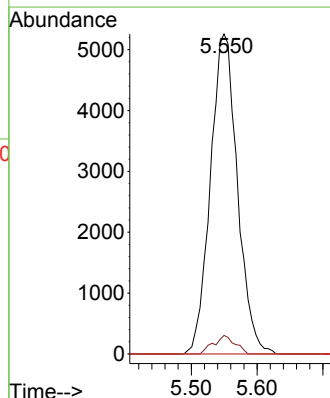
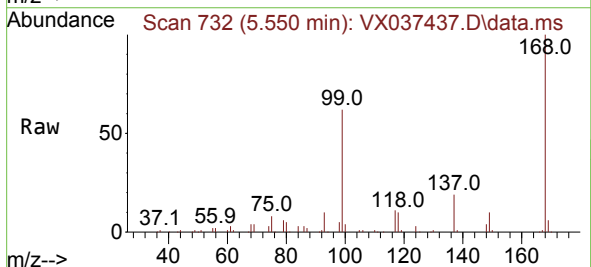
Instrument :  
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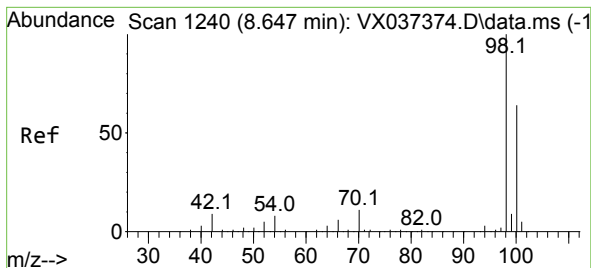
Tgt Ion: 75 Resp: 10973  
Ion Ratio Lower Upper  
75 100  
110 10.1 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.283 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

Tgt Ion: 117 Resp: 15009  
Ion Ratio Lower Upper  
117 100  
119 5.8 78.2 117.2#  
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 48.589 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037437.D

Acq: 31 Aug 2023 17:54

Instrument :

MSVOA\_X

ClientSampleId :

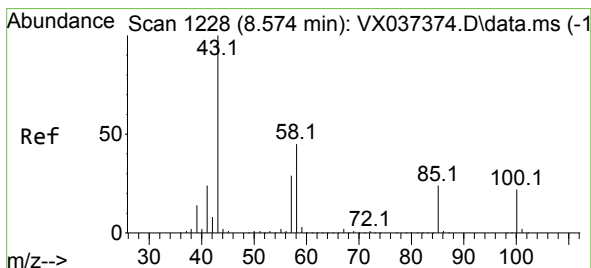
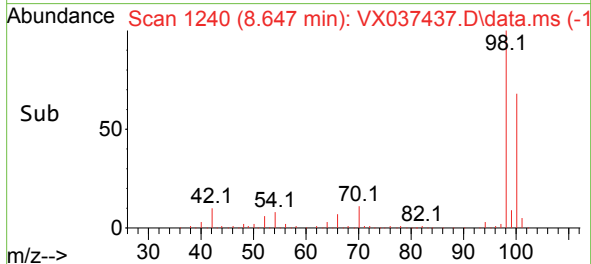
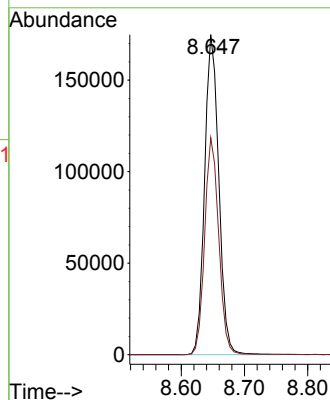
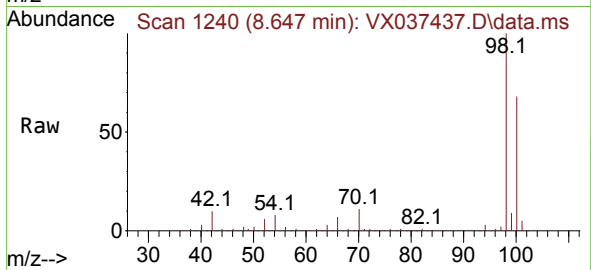
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 98 Resp: 272820

Ion Ratio Lower Upper

98 100

100 67.1 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.449 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX037437.D

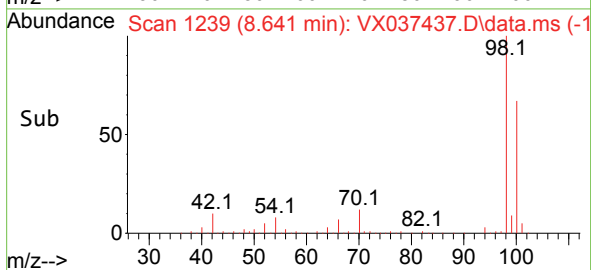
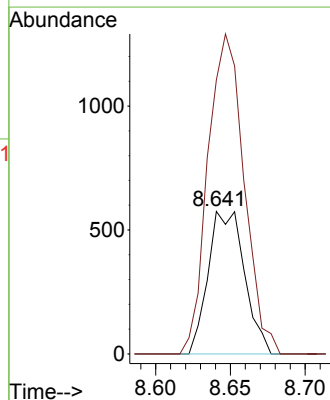
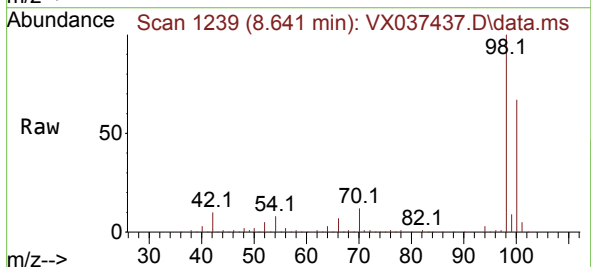
Acq: 31 Aug 2023 17:54

Tgt Ion: 43 Resp: 972

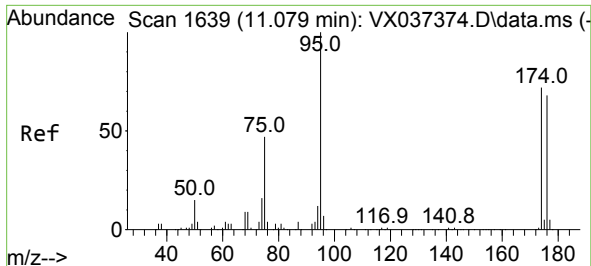
Ion Ratio Lower Upper

43 100

58 223.6 30.4 45.6#



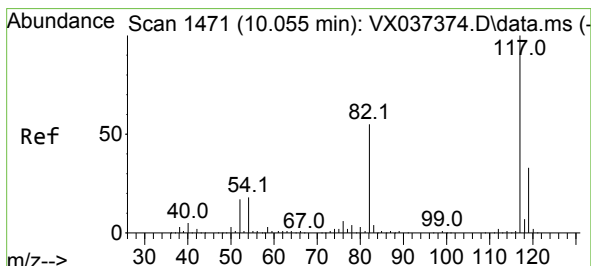
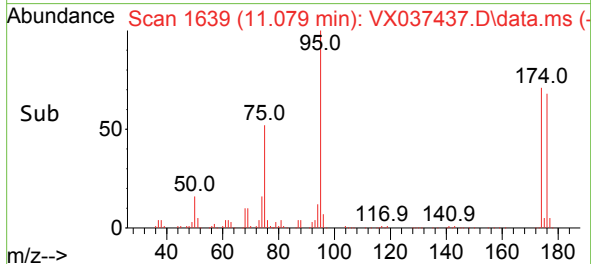
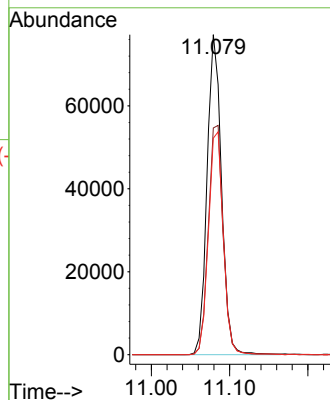
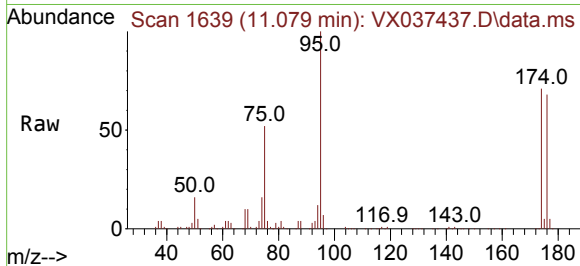




#62  
4-Bromofluorobenzene  
Concen: 44.491 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

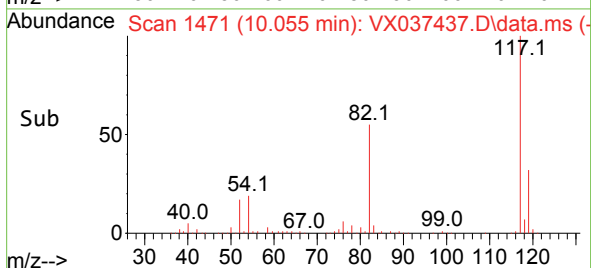
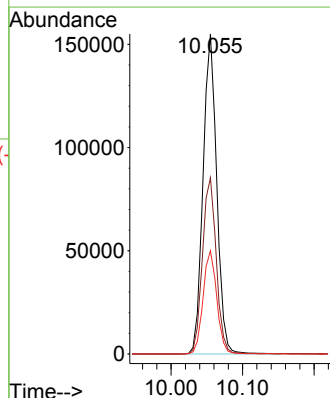
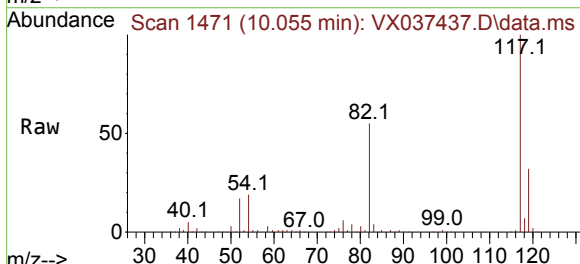
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

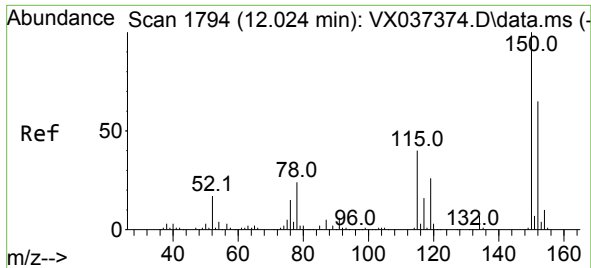
Tgt Ion: 95 Resp: 98171  
Ion Ratio Lower Upper  
95 100  
174 74.2 0.0 135.6  
176 71.9 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

Tgt Ion: 117 Resp: 206078  
Ion Ratio Lower Upper  
117 100  
82 55.1 46.2 69.4  
119 32.3 25.5 38.3

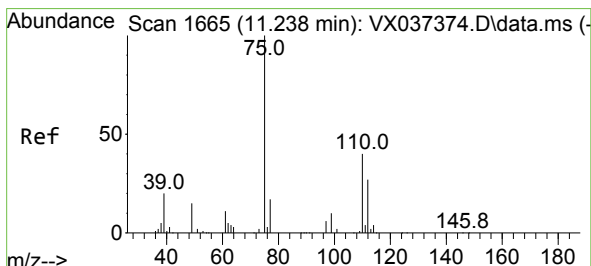
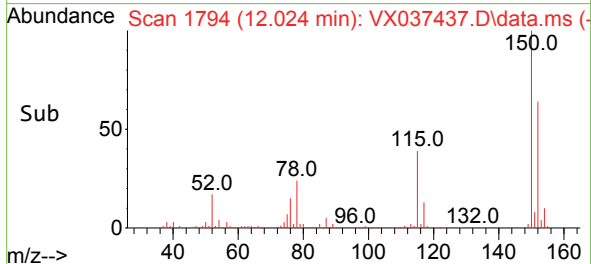
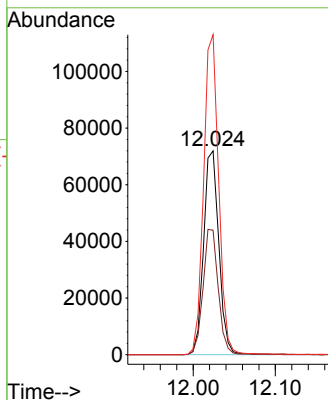
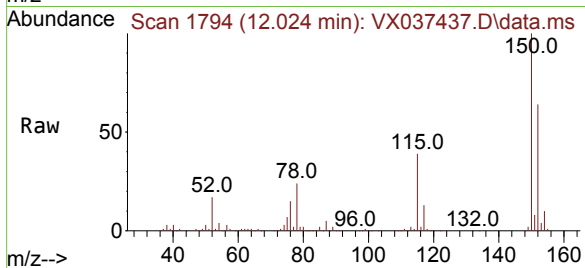




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

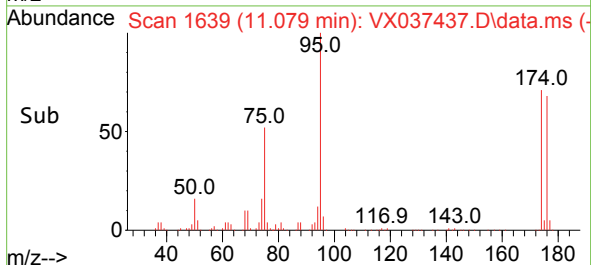
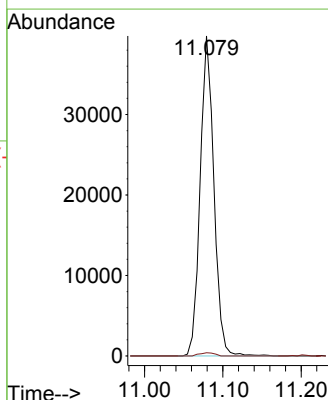
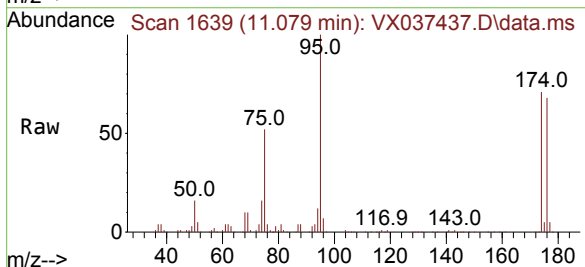
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

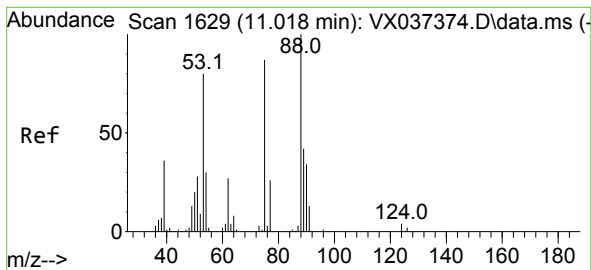
Tgt Ion:152 Resp: 92513  
Ion Ratio Lower Upper  
152 100  
115 61.6 43.3 129.9  
150 156.2 0.0 345.0



#76  
1,2,3-Trichloropropane  
Concen: 24.552 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX037437.D  
Acq: 31 Aug 2023 17:54

Tgt Ion: 75 Resp: 48373  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 68.575 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX037437.D  
 Acq: 31 Aug 2023 17:54

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

Tgt Ion: 75 Resp: 48373  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

