

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050222\  
 Data File : VX028476.D  
 Acq On : 02 May 2022 16:26  
 Operator : JC/MD  
 Sample : N2652-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

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

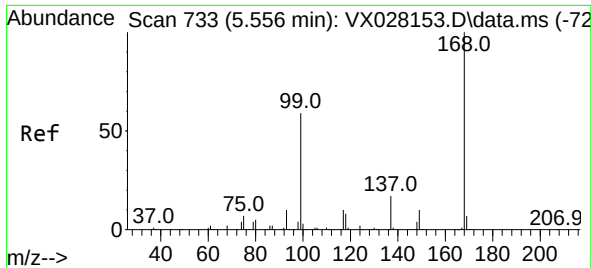
Quant Time: May 03 04:52:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 Response via : Initial Calibration

| Compound                      |        | R.T. QIon |          | Response | Conc Units  | Dev(Min) |
|-------------------------------|--------|-----------|----------|----------|-------------|----------|
| -----                         |        |           |          |          |             |          |
| Internal Standards            |        |           |          |          |             |          |
| 1) Pentafluorobenzene         |        | 5.556     | 168      | 391673   | 50.000 ug/l | 0.00     |
| 34) 1,4-Difluorobenzene       |        | 6.763     | 114      | 684594   | 50.000 ug/l | 0.00     |
| 63) Chlorobenzene-d5          |        | 10.055    | 117      | 669977   | 50.000 ug/l | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    |        | 12.024    | 152      | 321256   | 50.000 ug/l | 0.00     |
|                               |        |           |          |          |             |          |
| System Monitoring Compounds   |        |           |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     |        | 5.958     | 65       | 282225   | 55.263 ug/l | 0.00     |
| Spiked Amount                 | 50.000 | Range     | 61 - 141 | Recovery | = 110.520%  |          |
| 35) Dibromofluoromethane      |        | 5.391     | 113      | 253579   | 52.818 ug/l | 0.00     |
| Spiked Amount                 | 50.000 | Range     | 69 - 133 | Recovery | = 105.640%  |          |
| 50) Toluene-d8                |        | 8.653     | 98       | 954210   | 51.748 ug/l | 0.00     |
| Spiked Amount                 | 50.000 | Range     | 65 - 126 | Recovery | = 103.500%  |          |
| 62) 4-Bromofluorobenzene      |        | 11.079    | 95       | 350394   | 49.697 ug/l | 0.00     |
| Spiked Amount                 | 50.000 | Range     | 58 - 135 | Recovery | = 99.400%   |          |
|                               |        |           |          |          |             |          |
| Target Compounds              |        |           |          |          |             | Qvalue   |
| 3) Chloromethane              |        | 1.288     | 50       | 590      | Below Cal   | 98       |
| 5) Bromomethane               |        | 1.617     | 94       | 1297     | Below Cal   | 90       |
| 6) Chloroethane               |        | 1.666     | 64       | 109      | Below Cal   | # 43     |
| 10) Methyl Iodide             |        | 2.465     | 142      | 810      | 5.402 ug/l  | # 83     |
| 11) Tert butyl alcohol        |        | 2.940     | 59       | 444      | Below Cal   | # 72     |
| 16) Acetone                   |        | 2.380     | 43       | 4583     | 1.551 ug/l  | 89       |
| 18) Methyl Acetate            |        | 2.697     | 43       | 1005     | 0.221 ug/l  | # 67     |
| 20) Methylene Chloride        |        | 2.788     | 84       | 1814     | 0.479 ug/l  | # 69     |
| 31) Cyclohexane               |        | 5.556     | 56       | 7694     | 1.237 ug/l  | # 36     |
| 36) 1,1-Dichloropropene       |        | 5.556     | 75       | 28851    | 4.607 ug/l  | # 50     |
| 38) Carbon Tetrachloride      |        | 5.556     | 117      | 39379    | 5.570 ug/l  | # 15     |
| 51) 4-Methyl-2-Pentanone      |        | 8.653     | 43       | 3839     | 0.578 ug/l  | # 1      |
| 76) 1,2,3-Trichloropropane    |        | 11.079    | 75       | 176905   | 27.980 ug/l | # 38     |
| 81) trans-1,4-Dichloro-2-b... |        | 11.079    | 75       | 176905   | 83.149 ug/l | # 15     |
| -----                         |        |           |          |          |             |          |

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

Quant Time: May 03 04:52:14 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 19 13:38:04 2022  
Response via : Initial Calibration

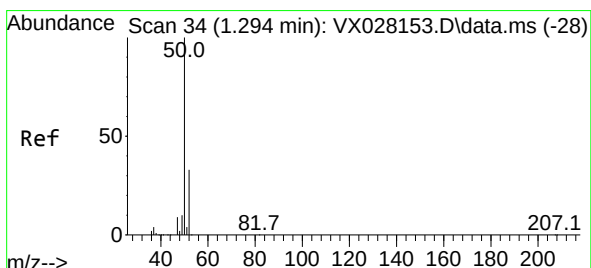
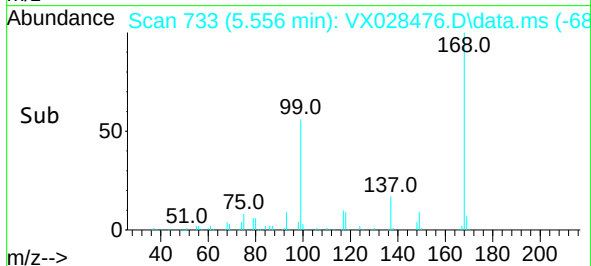
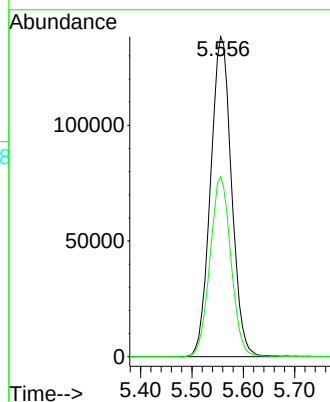
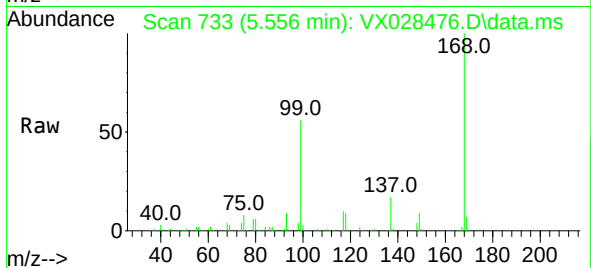




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

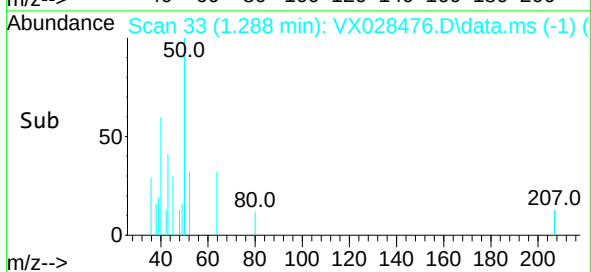
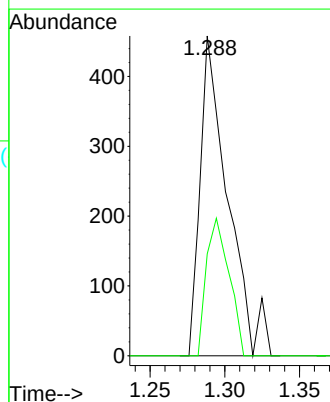
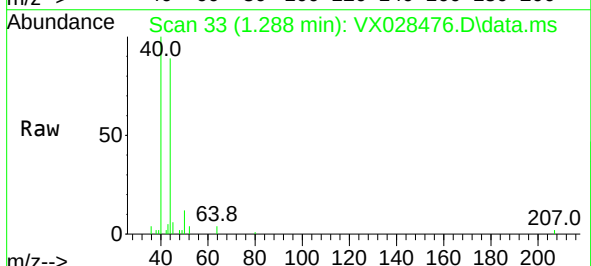
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

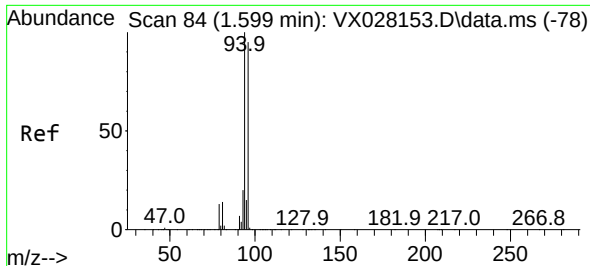
Tgt Ion:168 Resp: 391673  
Ion Ratio Lower Upper  
168 100  
99 56.2 41.7 62.5



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.288 min Scan# 33  
Delta R.T. -0.006 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

Tgt Ion: 50 Resp: 590  
Ion Ratio Lower Upper  
50 100  
52 31.9 26.4 39.6

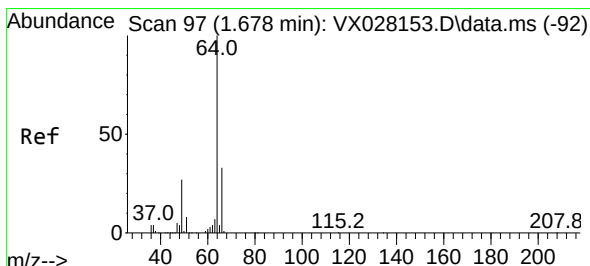
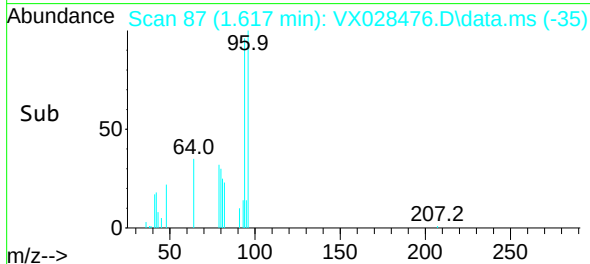
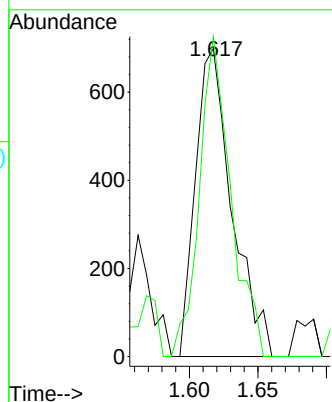
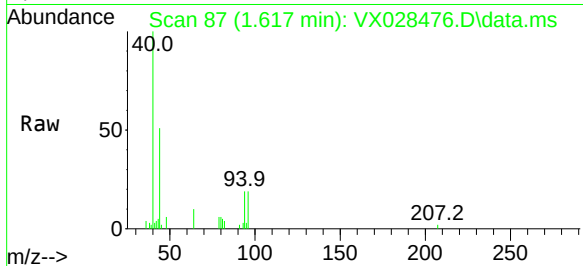




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.617 min Scan# 81  
Delta R.T. 0.018 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

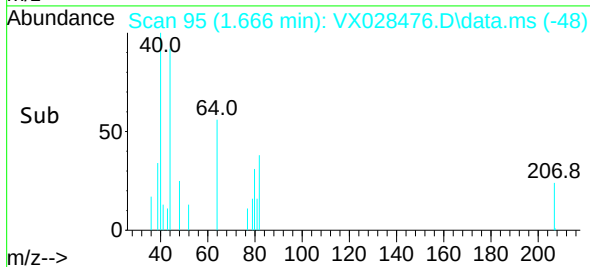
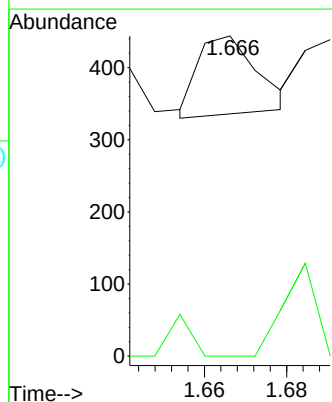
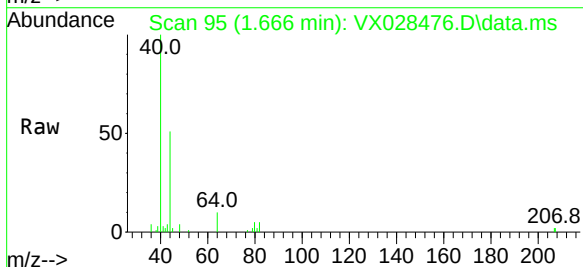
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

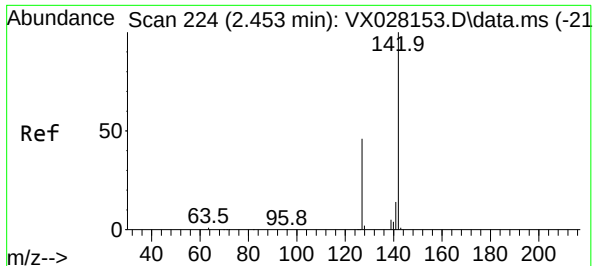
Tgt Ion: 94 Resp: 1297  
Ion Ratio Lower Upper  
94 100  
96 103.9 75.3 112.9



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.666 min Scan# 95  
Delta R.T. -0.012 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

Tgt Ion: 64 Resp: 109  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#





#10

Methyl Iodide

Concen: 5.402 ug/l

RT: 2.465 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX028476.D

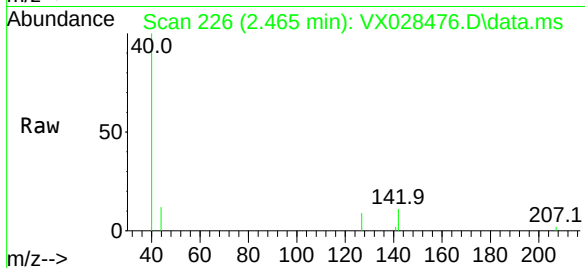
Acq: 02 May 2022 16:26

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



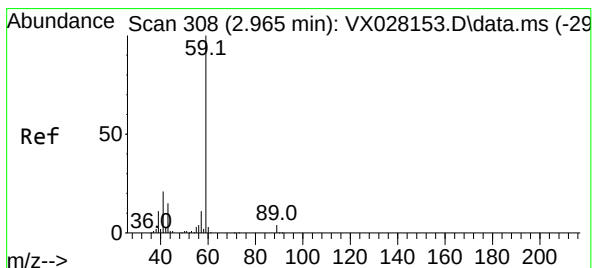
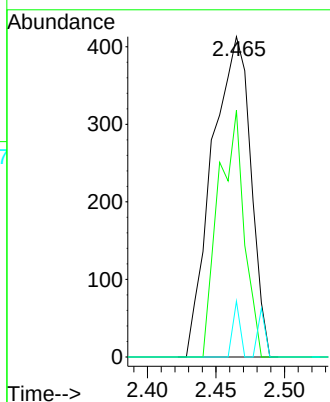
Tgt Ion:142 Resp: 810

Ion Ratio Lower Upper

142 100

127 51.4 33.9 50.9#

141 3.2 11.4 17.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 304

Delta R.T. -0.025 min

Lab File: VX028476.D

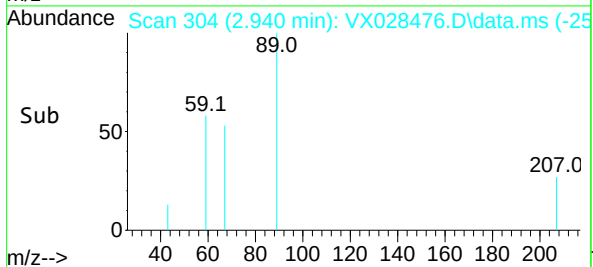
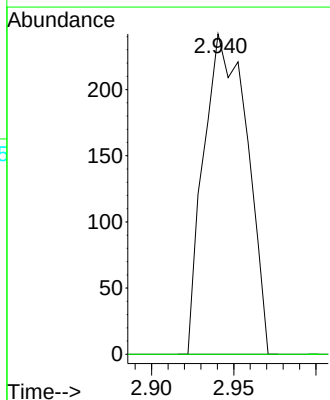
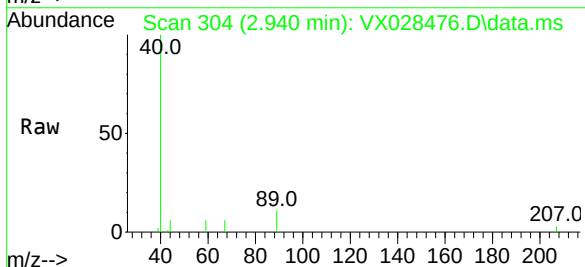
Acq: 02 May 2022 16:26

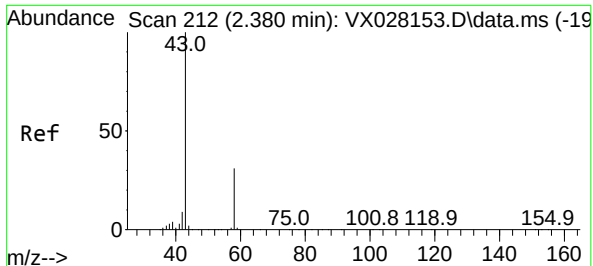
Tgt Ion: 59 Resp: 444

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

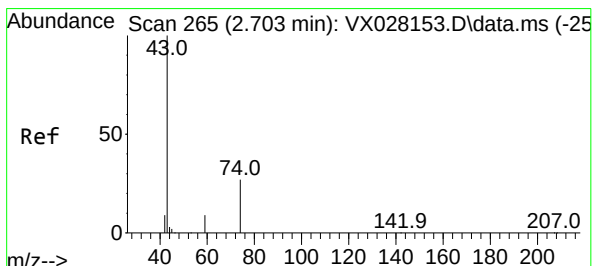
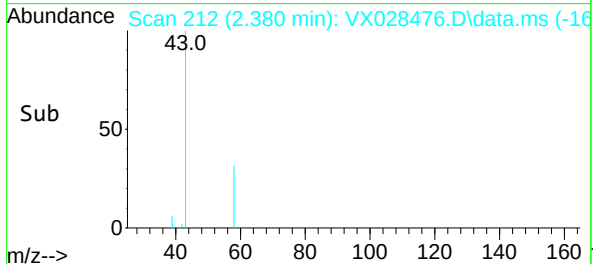
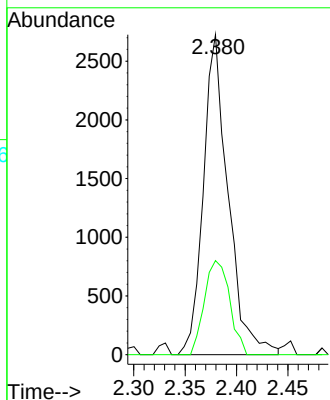
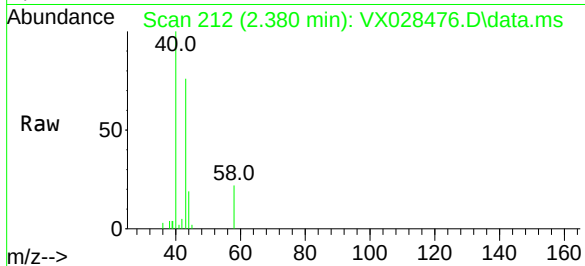




#16  
Acetone  
Concen: 1.551 ug/l  
RT: 2.380 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

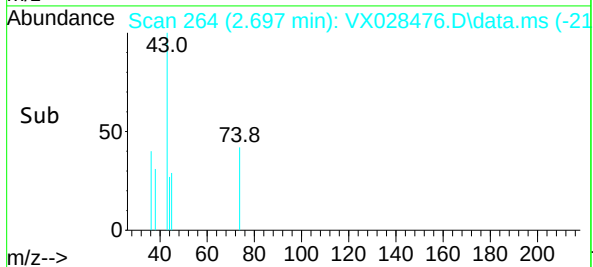
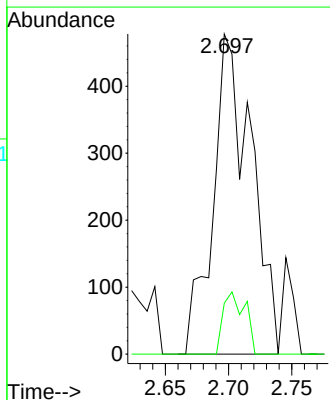
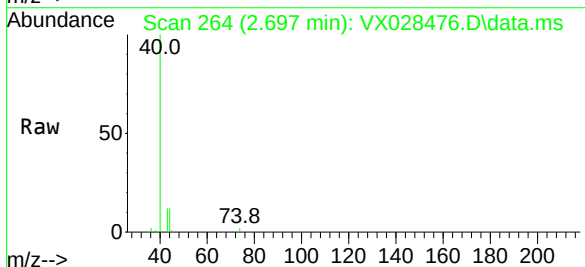
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

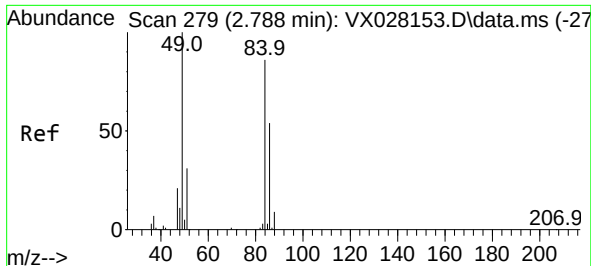
Tgt Ion: 43 Resp: 4583  
Ion Ratio Lower Upper  
43 100  
58 29.4 28.8 43.2



#18  
Methyl Acetate  
Concen: 0.221 ug/l  
RT: 2.697 min Scan# 264  
Delta R.T. -0.006 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

Tgt Ion: 43 Resp: 1005  
Ion Ratio Lower Upper  
43 100  
74 11.1 22.8 34.2#

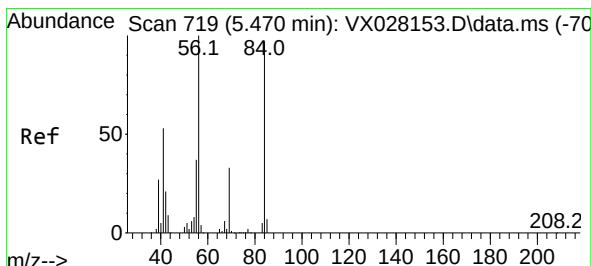
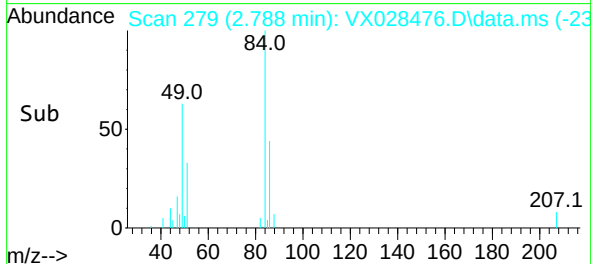
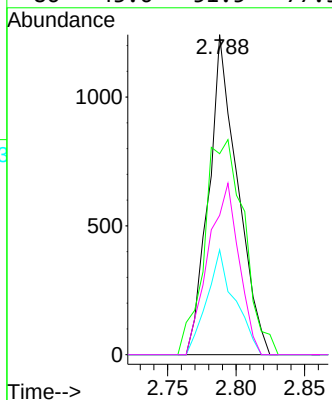
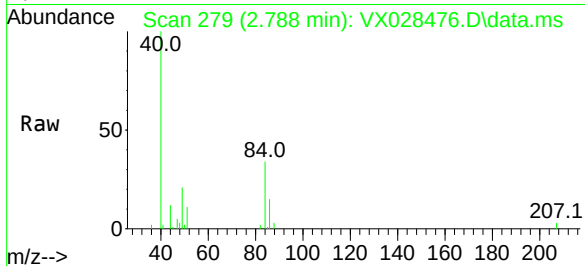




#20  
Methylene Chloride  
Concen: 0.479 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

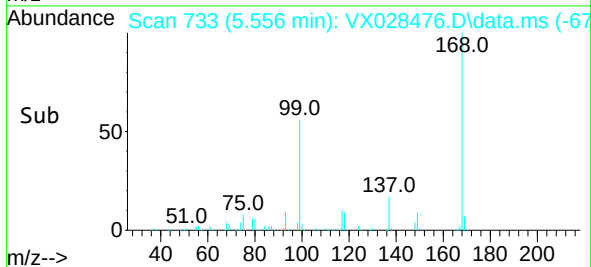
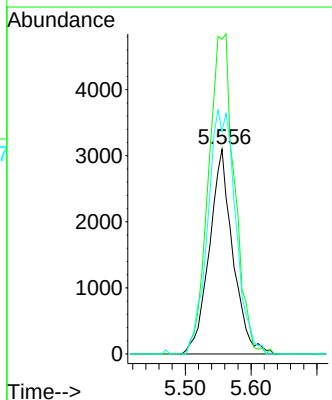
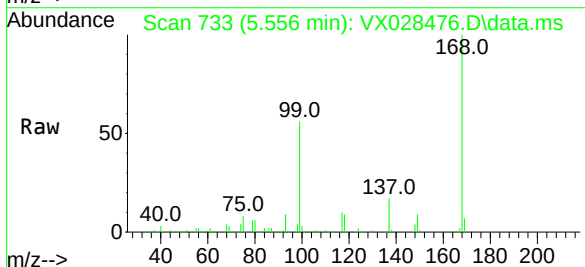
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

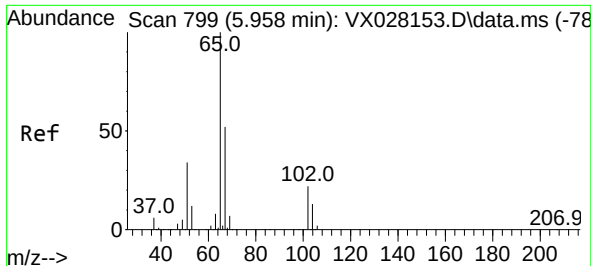
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1814   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 62.8  | 85.5  | 128.3# |
| 51       | 32.8  | 26.6  | 39.8   |
| 86       | 43.6  | 51.5  | 77.3#  |



#31  
Cyclohexane  
Concen: 1.237 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.086 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 7694  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 153.7 | 26.7  | 40.1# |
| 84       | 108.7 | 77.2  | 115.8 |





#33

1,2-Dichloroethane-d4

Concen: 55.263 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028476.D

Acq: 02 May 2022 16:26

Instrument :

MSVOA\_X

ClientSampleId :

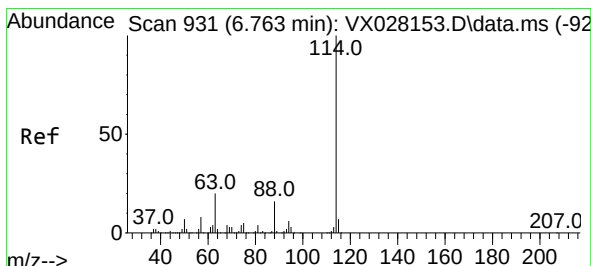
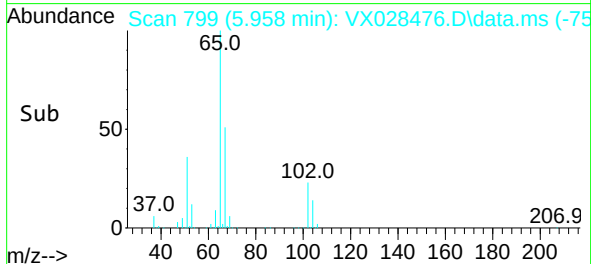
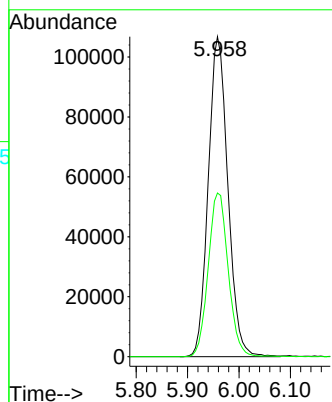
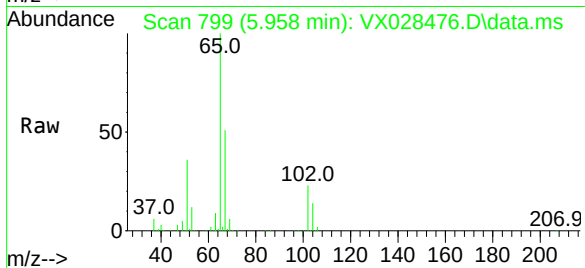
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 282225

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028476.D

Acq: 02 May 2022 16:26

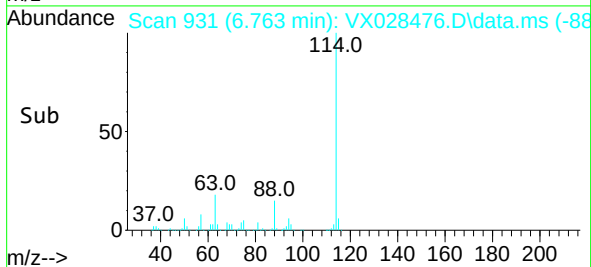
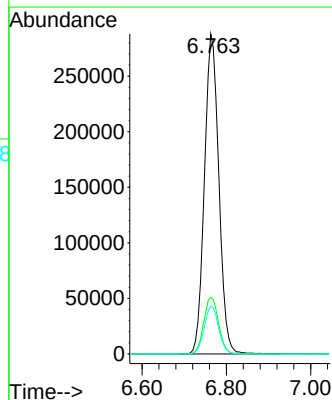
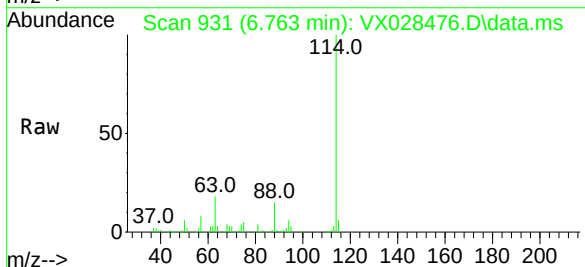
Tgt Ion: 114 Resp: 684594

Ion Ratio Lower Upper

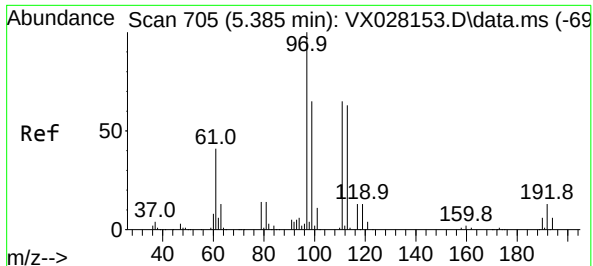
114 100

63 17.7 0.0 36.8

88 15.0 0.0 32.4







#35

Dibromofluoromethane

Concen: 52.818 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028476.D

Acq: 02 May 2022 16:26

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

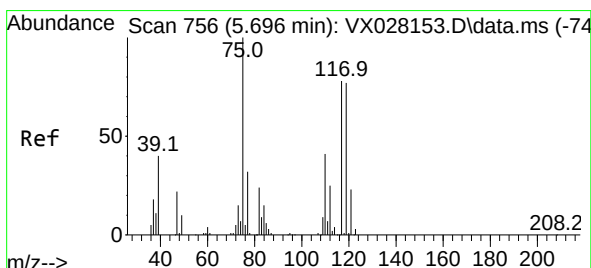
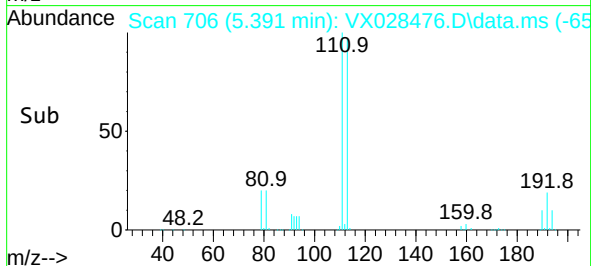
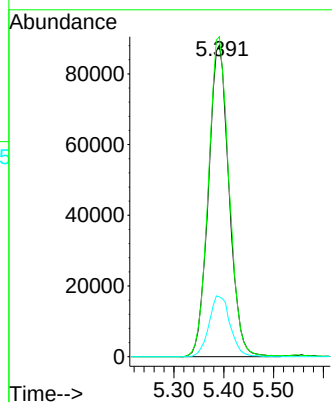
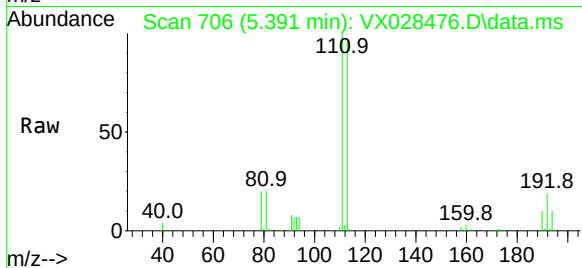
Tgt Ion:113 Resp: 253579

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 19.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.607 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028476.D

Acq: 02 May 2022 16:26

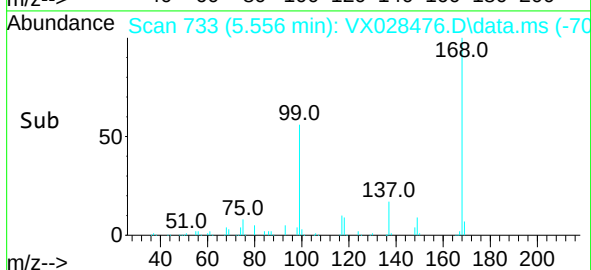
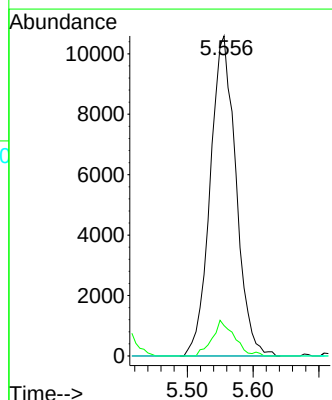
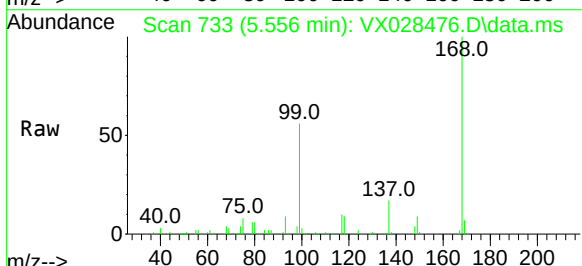
Tgt Ion: 75 Resp: 28851

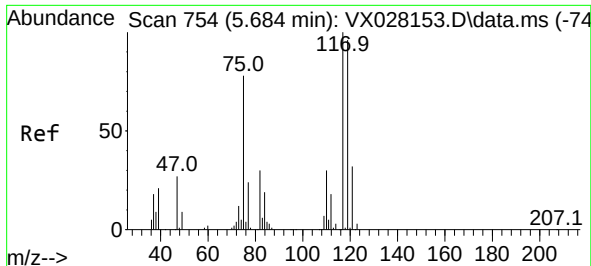
Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 24.8 37.2#

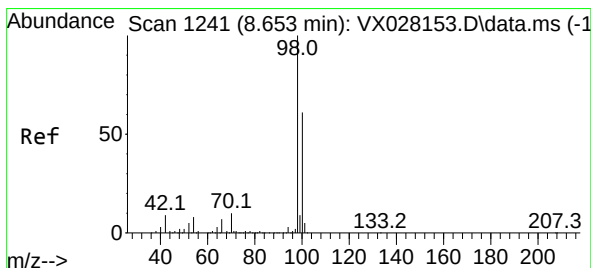
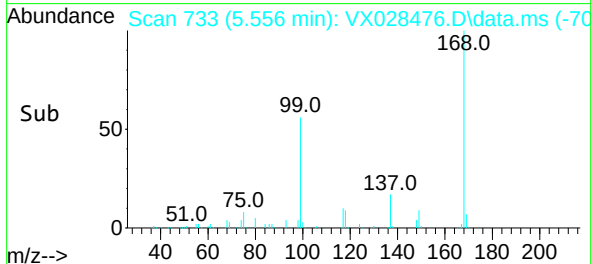
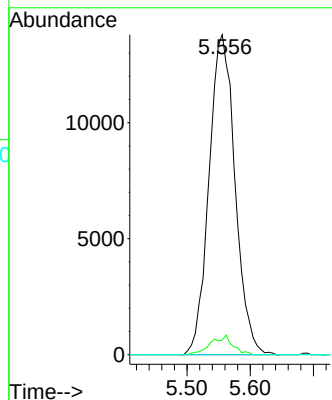
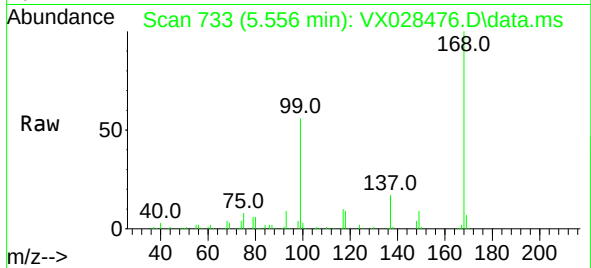




#38  
Carbon Tetrachloride  
Concen: 5.570 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

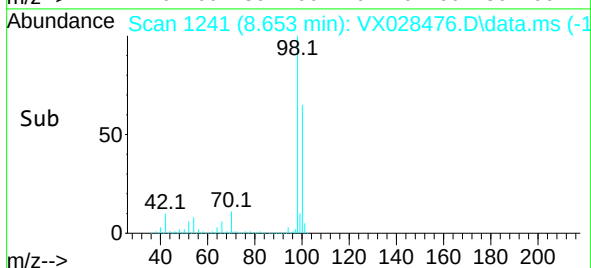
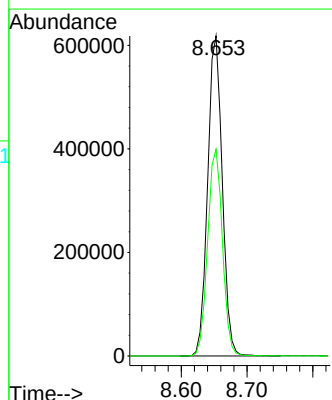
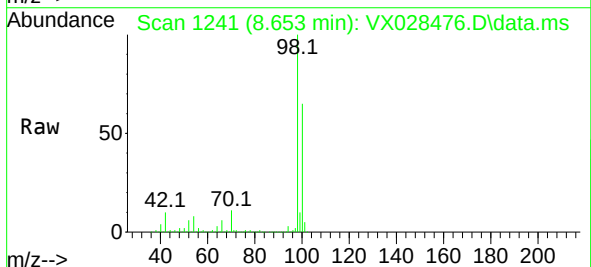
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

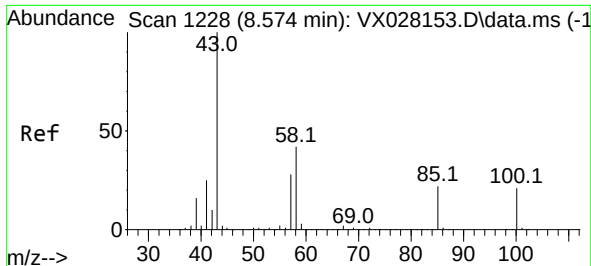
Tgt Ion:117 Resp: 39379  
Ion Ratio Lower Upper  
117 100  
119 4.6 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 51.748 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

Tgt Ion: 98 Resp: 954210  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.6 78.8

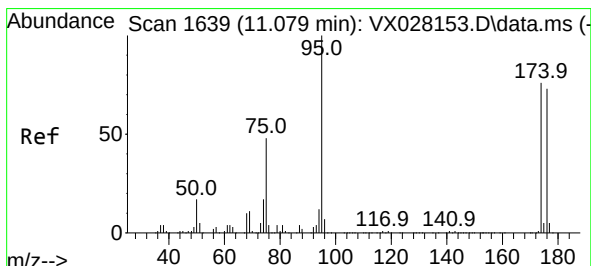
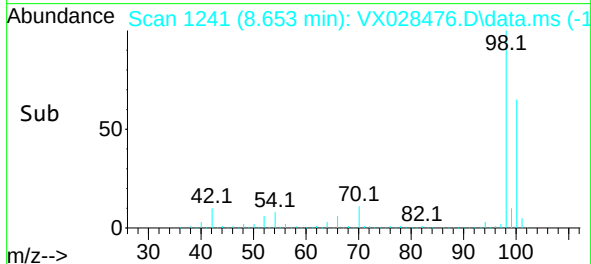
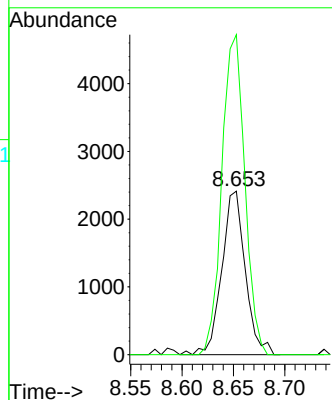
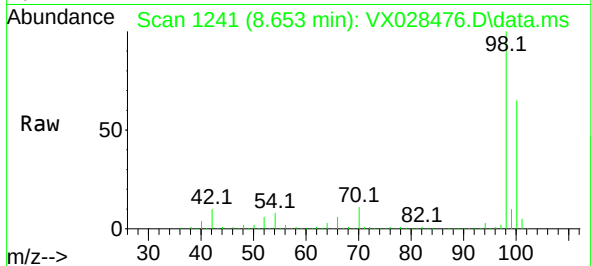




#51  
4-Methyl-2-Pentanone  
Concen: 0.578 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.079 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

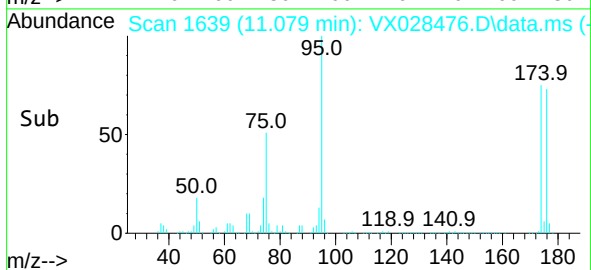
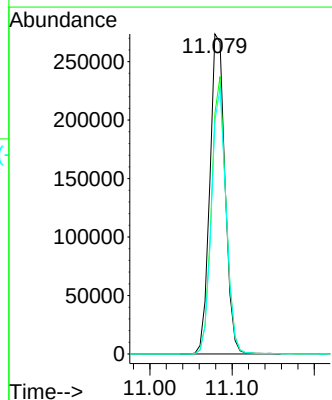
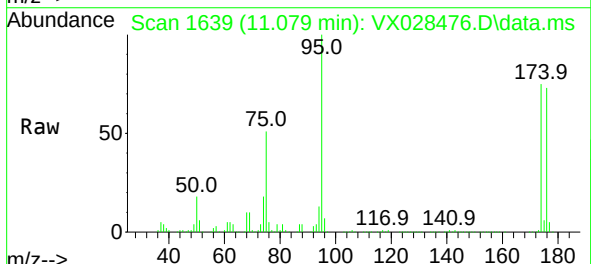
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

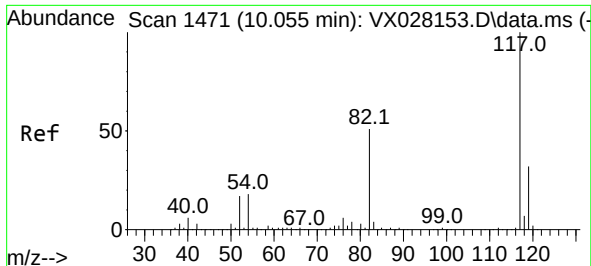
Tgt Ion: 43 Resp: 3839  
Ion Ratio Lower Upper  
43 100  
58 190.4 36.1 54.1#



#62  
4-Bromofluorobenzene  
Concen: 49.697 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

Tgt Ion: 95 Resp: 350394  
Ion Ratio Lower Upper  
95 100  
174 83.2 0.0 163.0  
176 80.5 0.0 155.0

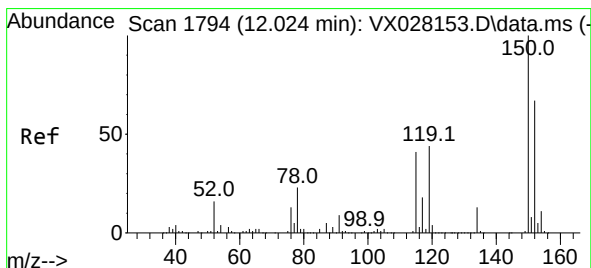
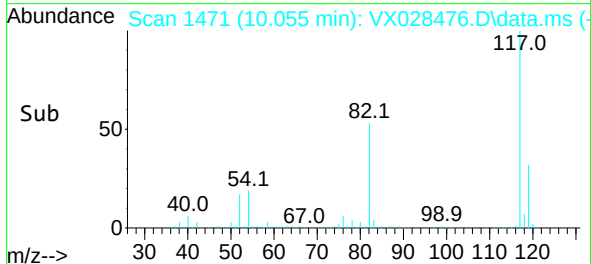
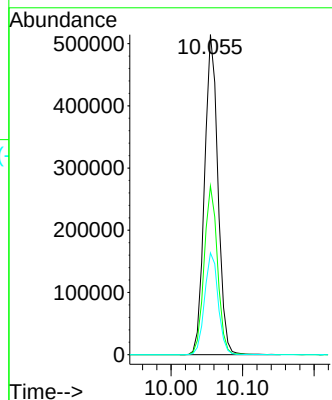
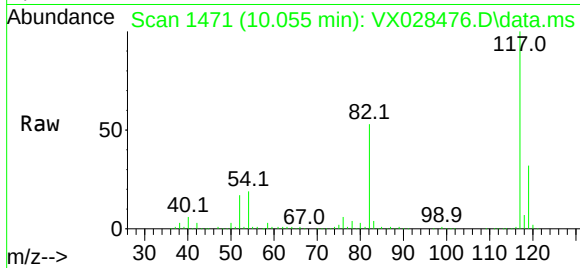




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

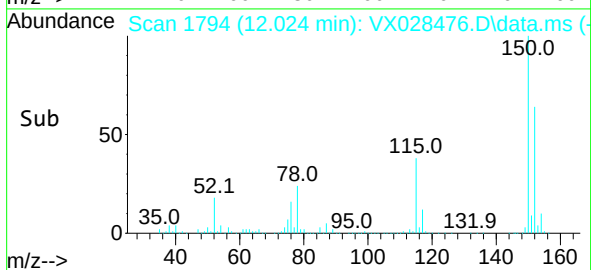
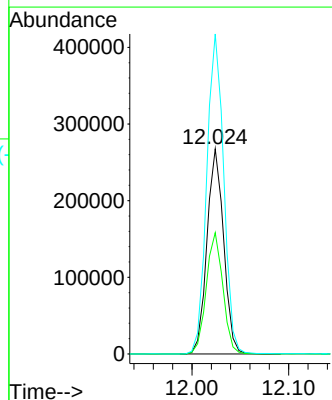
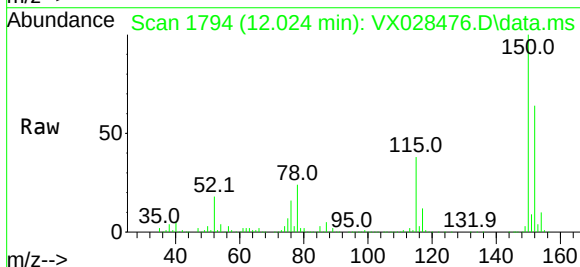
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

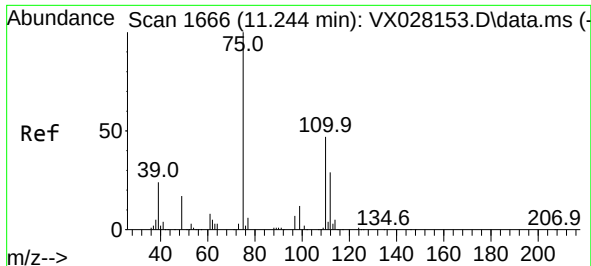
Tgt Ion:117 Resp: 669977  
Ion Ratio Lower Upper  
117 100  
82 52.7 41.8 62.8  
119 31.8 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

Tgt Ion:152 Resp: 321256  
Ion Ratio Lower Upper  
152 100  
115 59.0 37.5 112.7  
150 159.0 0.0 338.2

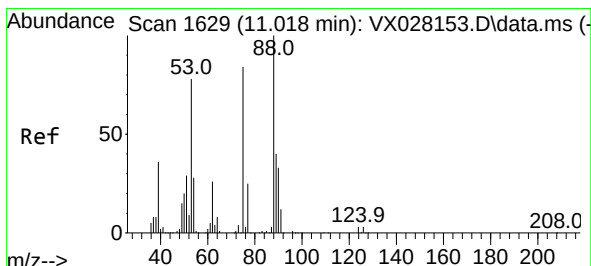
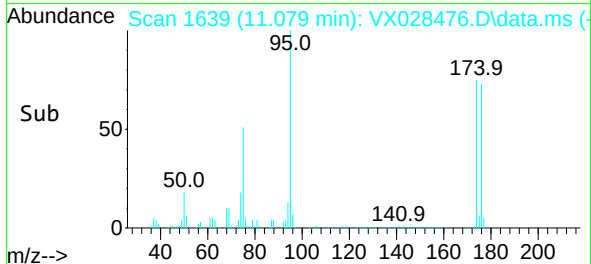
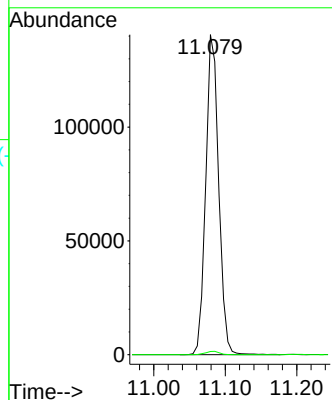
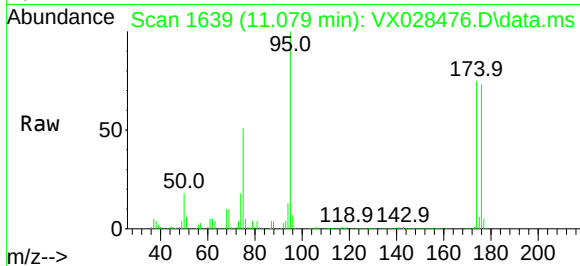




#76  
1,2,3-Trichloropropane  
Concen: 27.980 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

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

Tgt Ion: 75 Resp: 176905  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.149 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX028476.D  
Acq: 02 May 2022 16:26

Tgt Ion: 75 Resp: 176905  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#

