

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102023\  
 Data File : VX038409.D  
 Acq On : 20 Oct 2023 17:49  
 Operator : JC/MD  
 Sample : 04987-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Oct 21 01:47:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:27:13 2023  
 Response via : Initial Calibration

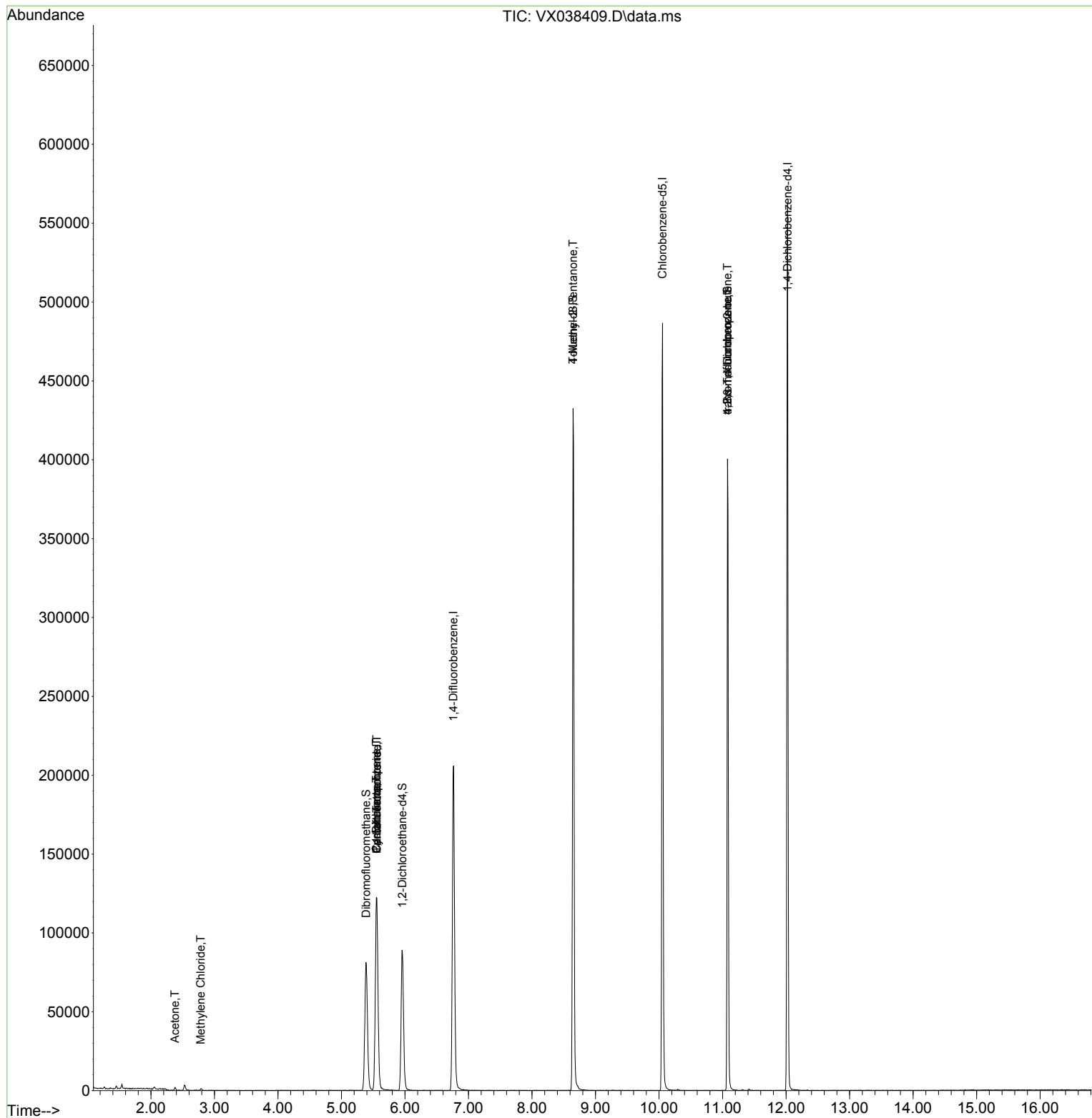
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 118980   | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 210730   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 221152   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 116820   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 85498    | 44.676    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 89.360%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 70616    | 46.506    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 93.020%  |
| 50) Toluene-d8                | 8.647  | 98    | 265642   | 45.782    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 91.560%# |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 103042   | 46.843    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 93.680%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.678  | 94    | 26       | Below Cal | #      | 3        |
| 6) Chloroethane               | 1.758  | 64    | 19       | Below Cal | #      | 43       |
| 16) Acetone                   | 2.380  | 43    | 1570     | 1.966     | ug/l   | 96       |
| 20) Methylene Chloride        | 2.782  | 84    | 593      | 0.395     | ug/l # | 59       |
| 31) Cyclohexane               | 5.550  | 56    | 2765     | 1.334     | ug/l # | 33       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 9326     | 4.454     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 12191    | 5.918     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1047     | 0.409     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 56111    | 21.128    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 56111    | 60.750    | ug/l # | 5        |
| -----                         |        |       |          |           |        |          |

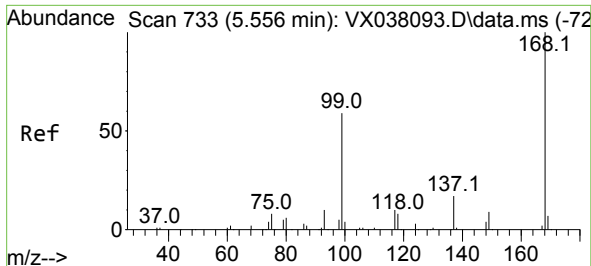
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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STORAGE-BLANK-SOIL-REF-6

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Quant Title : SW846 8260  
QLast Update : Thu Oct 05 15:27:13 2023  
Response via : Initial Calibration

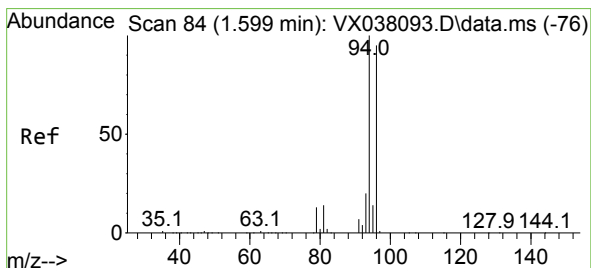
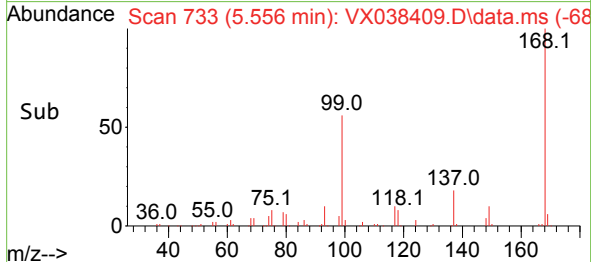
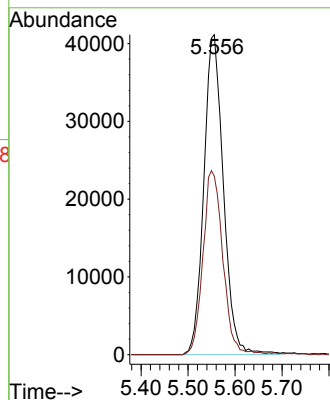
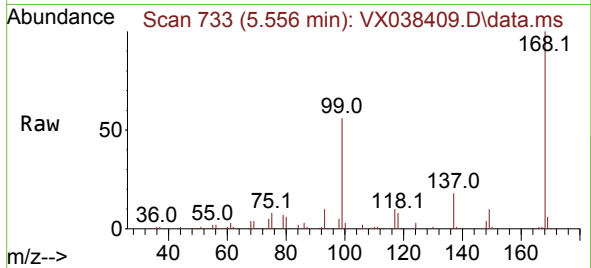




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

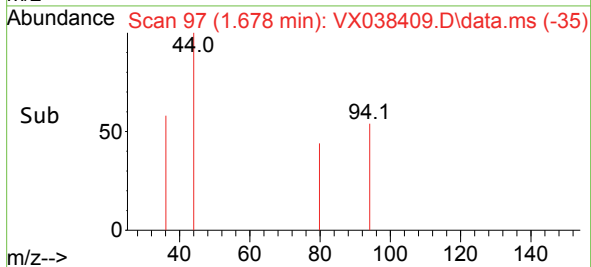
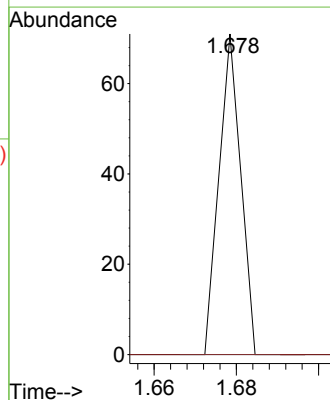
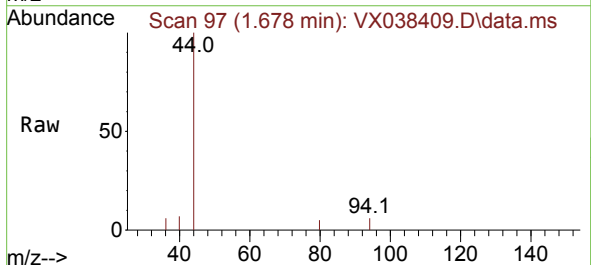
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

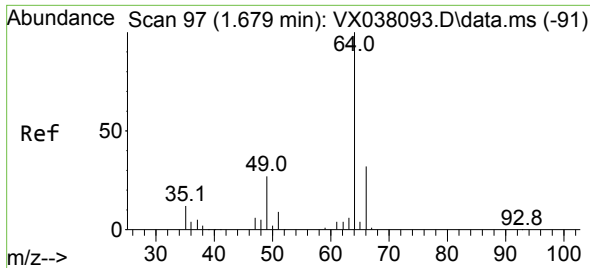
Tgt Ion:168 Resp: 118980  
Ion Ratio Lower Upper  
168 100  
99 55.8 56.6 85.0#



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.678 min Scan# 97  
Delta R.T. 0.079 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

Tgt Ion: 94 Resp: 26  
Ion Ratio Lower Upper  
94 100  
96 0.0 74.6 111.8#

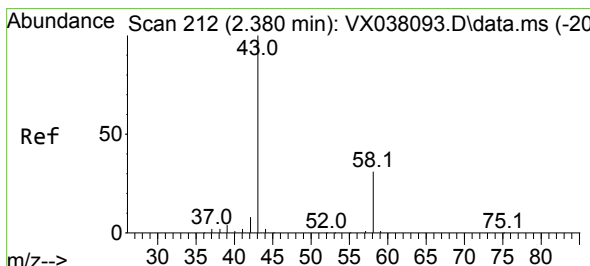
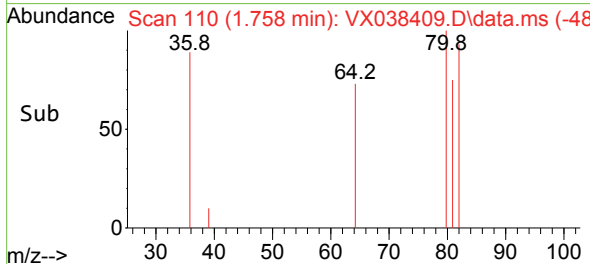
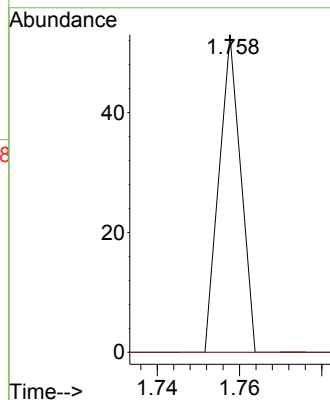
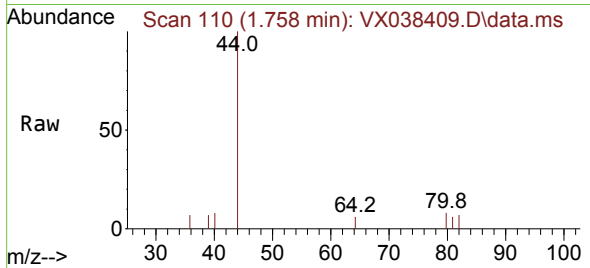




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.758 min Scan# 110  
Delta R.T. 0.079 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

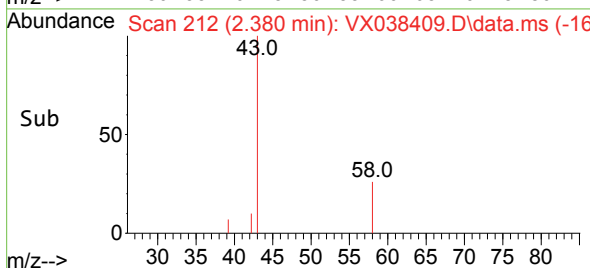
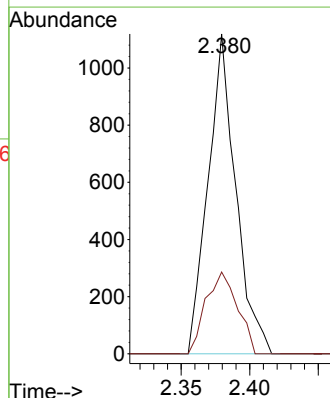
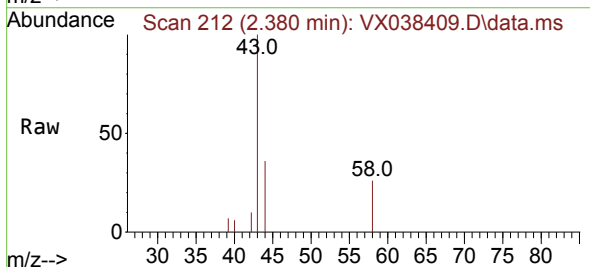
Instrument : MSVOA\_X  
ClientSampleId : STORAGE-BLANK-SOIL-REF-6

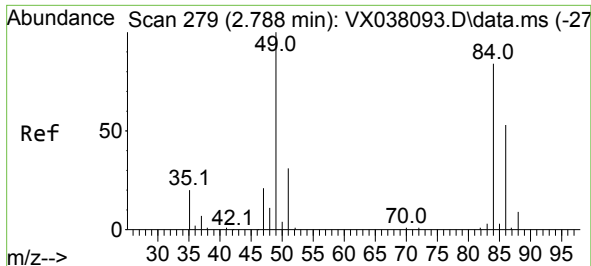
Tgt Ion: 64 Resp: 19  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#



#16  
Acetone  
Concen: 1.966 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

Tgt Ion: 43 Resp: 1570  
Ion Ratio Lower Upper  
43 100  
58 25.6 21.9 32.9

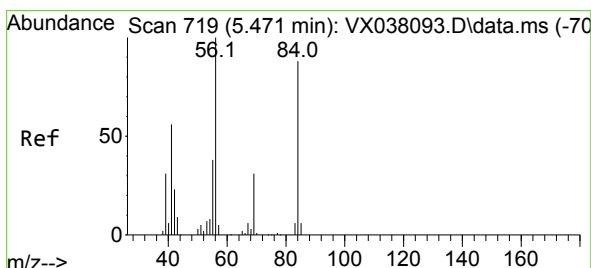
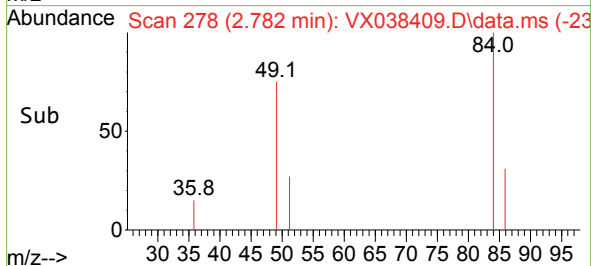
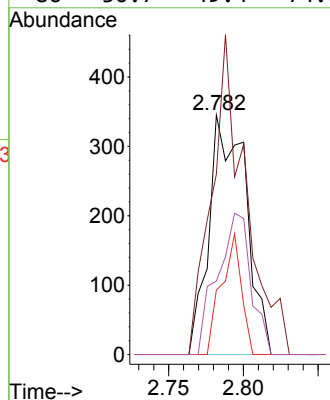
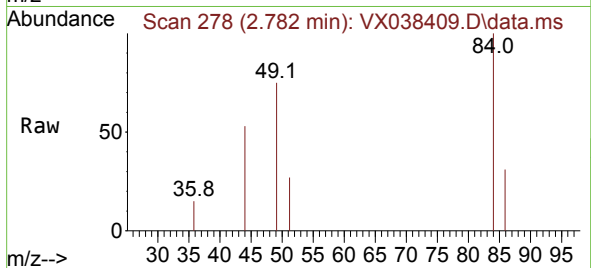




#20  
Methylene Chloride  
Concen: 0.395 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

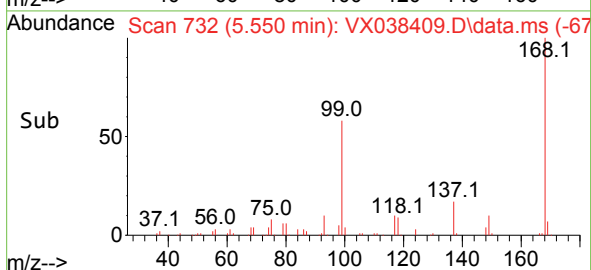
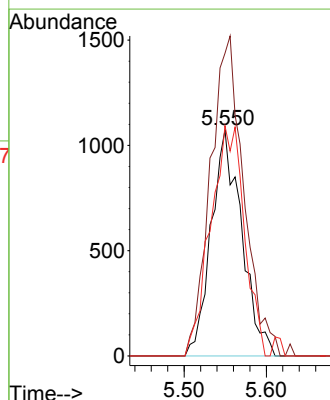
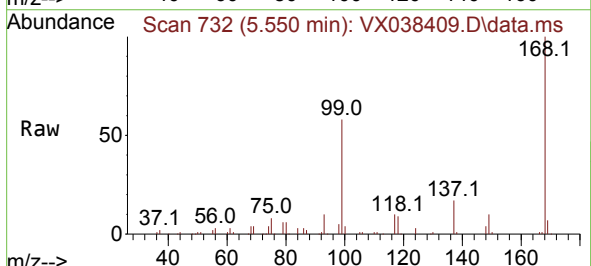
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

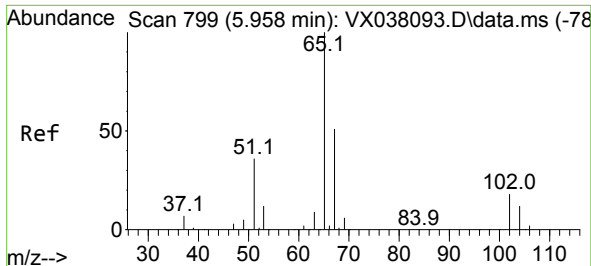
|             |              |
|-------------|--------------|
| Tgt Ion: 84 | Resp: 593    |
| Ion Ratio   | Lower Upper  |
| 84 100      |              |
| 49 75.4     | 103.6 155.4# |
| 51 27.0     | 33.8 50.6#   |
| 86 30.7     | 49.4 74.0#   |



#31  
Cyclohexane  
Concen: 1.334 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 2765  |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 133.9    | 23.4 35.2#  |
| 84 101.8    | 65.9 98.9#  |





#33

1,2-Dichloroethane-d4

Concen: 44.676 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038409.D

Acq: 20 Oct 2023 17:49

Instrument :

MSVOA\_X

ClientSampleId :

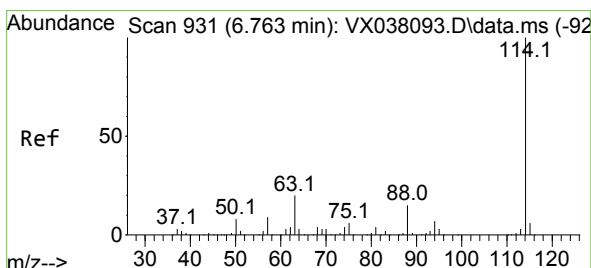
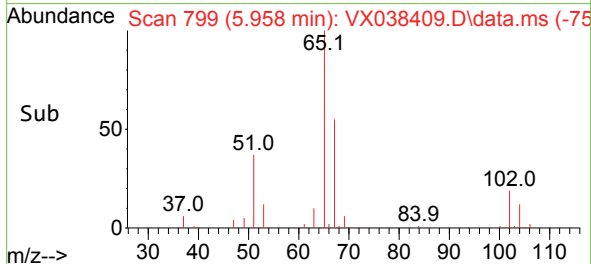
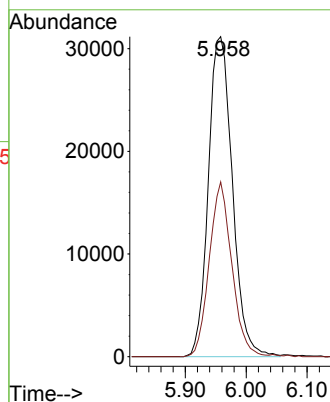
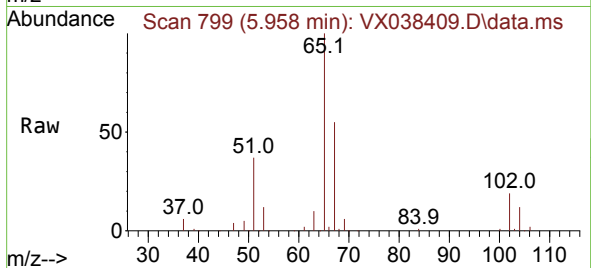
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 85498

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX038409.D

Acq: 20 Oct 2023 17:49

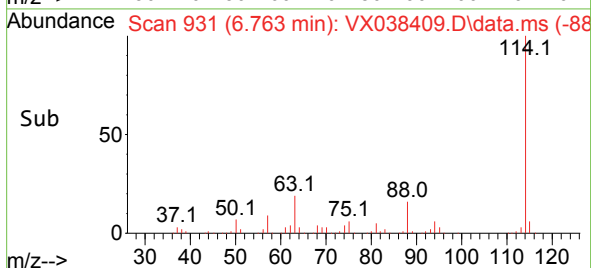
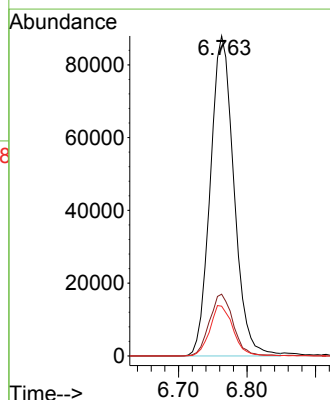
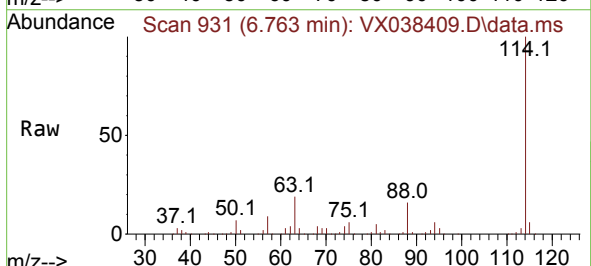
Tgt Ion: 114 Resp: 210730

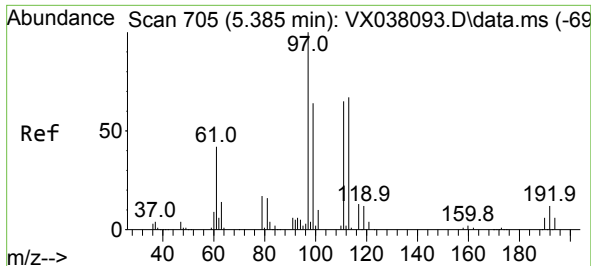
Ion Ratio Lower Upper

114 100

63 19.3 0.0 45.0

88 15.6 0.0 36.6

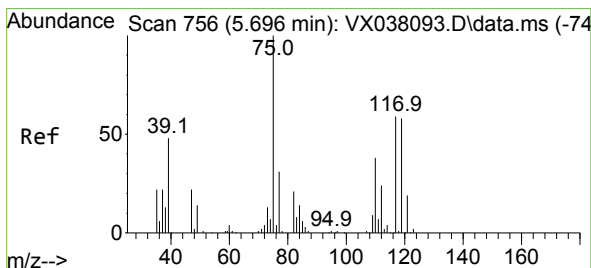
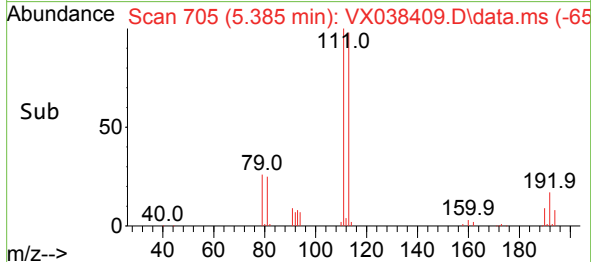
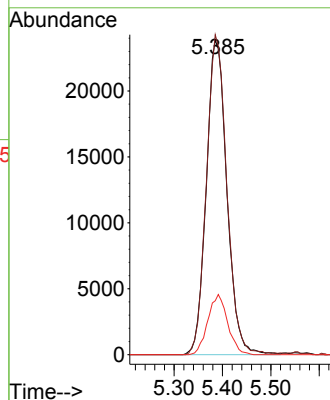
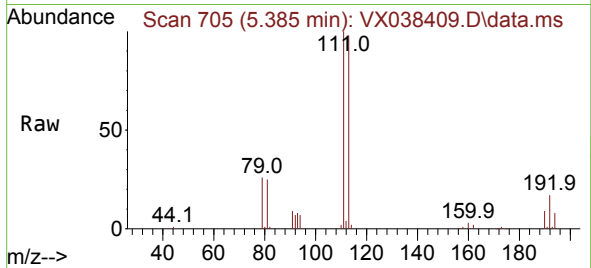




#35  
Dibromofluoromethane  
Concen: 46.506 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

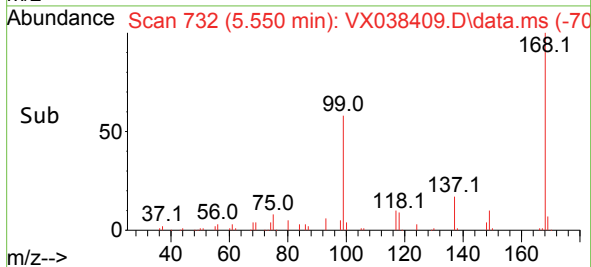
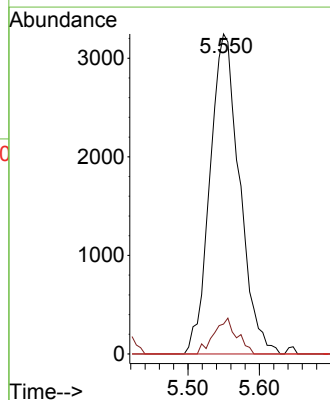
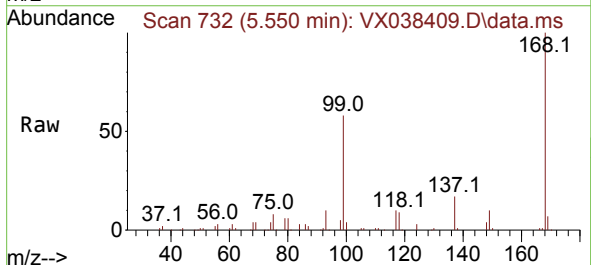
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MSVOA\_X  
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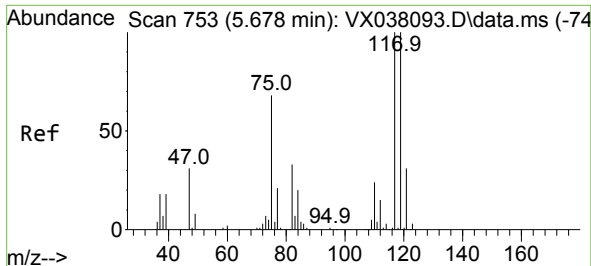
Tgt Ion:113 Resp: 70616  
Ion Ratio Lower Upper  
113 100  
111 100.6 82.9 124.3  
192 18.5 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.454 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

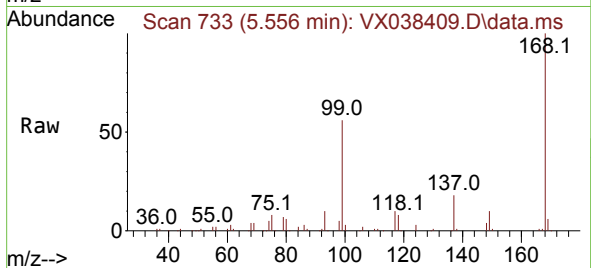
Tgt Ion: 75 Resp: 9326  
Ion Ratio Lower Upper  
75 100  
110 8.7 17.0 50.9#  
77 0.0 24.7 37.1#



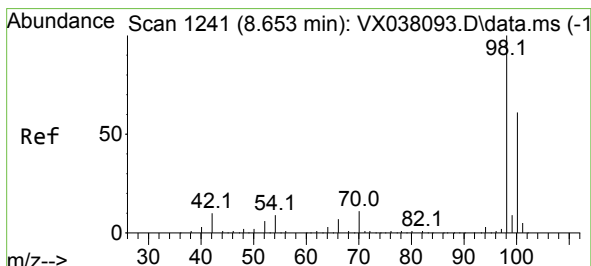
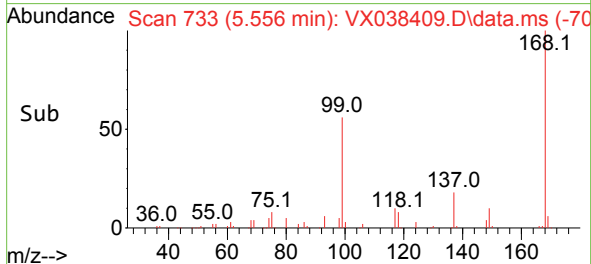
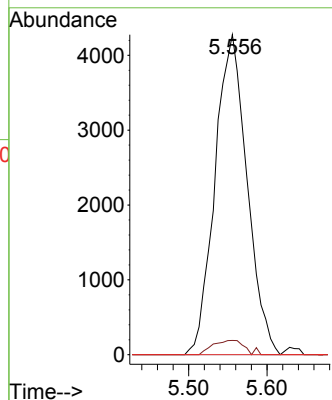


#38  
Carbon Tetrachloride  
Concen: 5.918 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

Instrument :  
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ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

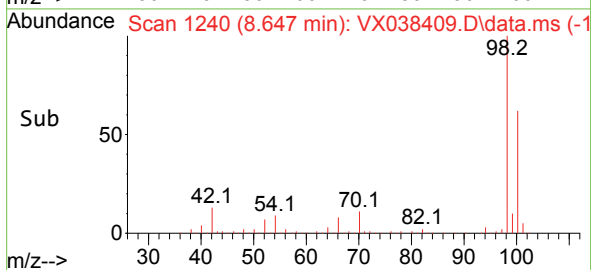
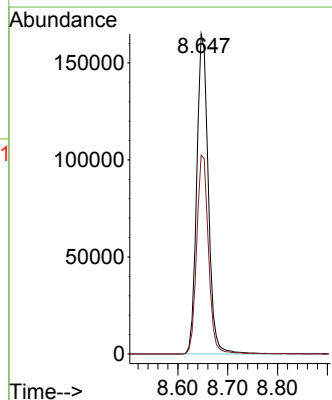
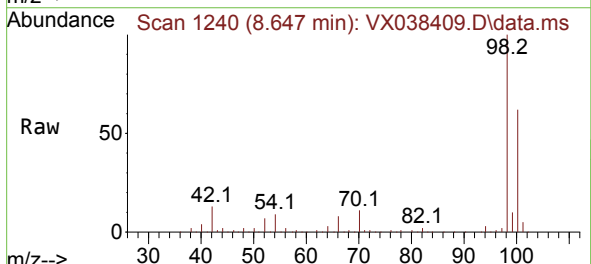


Tgt Ion:117 Resp: 12191  
Ion Ratio Lower Upper  
117 100  
119 4.5 78.2 117.2#  
121 0.0 24.4 36.6#

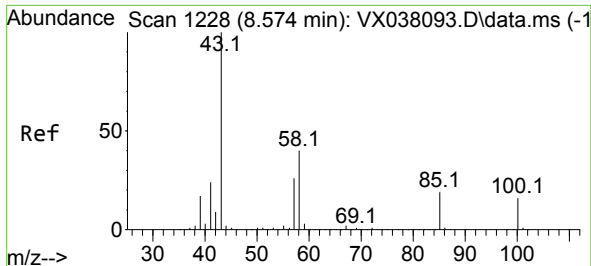


#50  
Toluene-d8  
Concen: 45.782 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

Tgt Ion: 98 Resp: 265642  
Ion Ratio Lower Upper  
98 100  
100 63.4 53.1 79.7



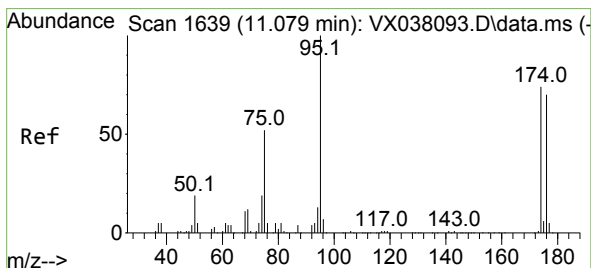
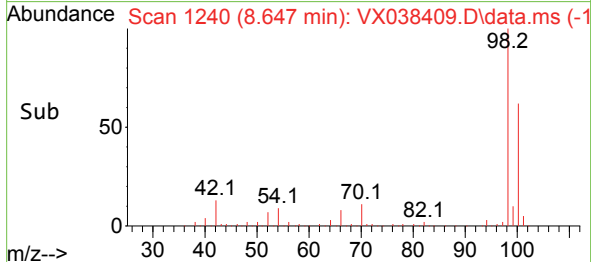
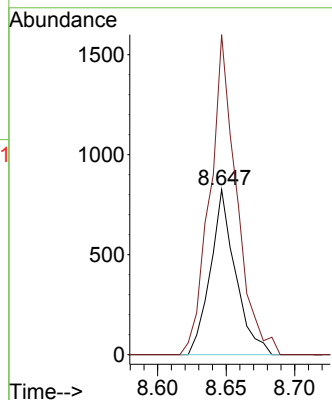
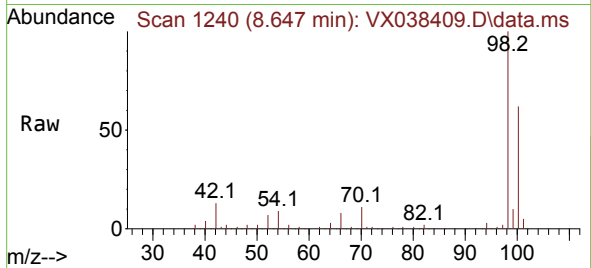




#51  
4-Methyl-2-Pentanone  
Concen: 0.409 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

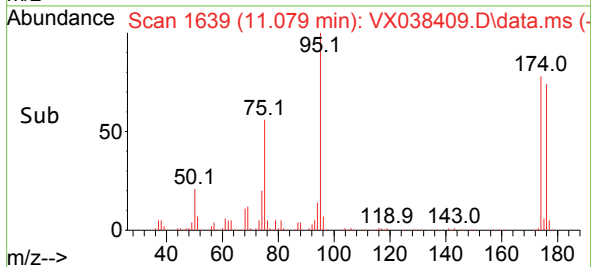
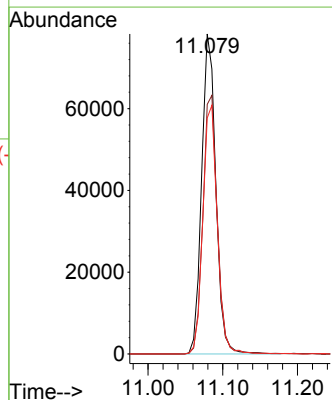
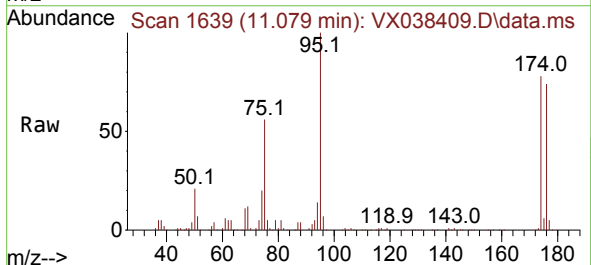
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

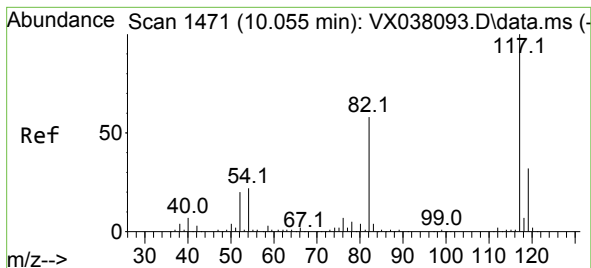
Tgt Ion: 43 Resp: 1047  
Ion Ratio Lower Upper  
43 100  
58 207.0 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 46.843 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

Tgt Ion: 95 Resp: 103042  
Ion Ratio Lower Upper  
95 100  
174 82.0 0.0 135.6  
176 79.3 0.0 131.0

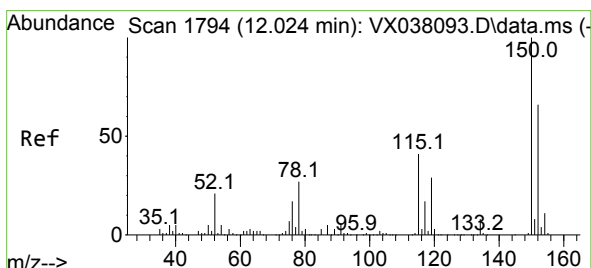
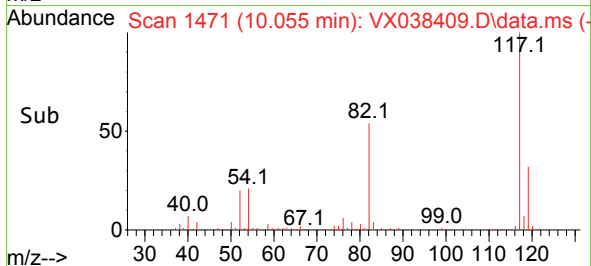
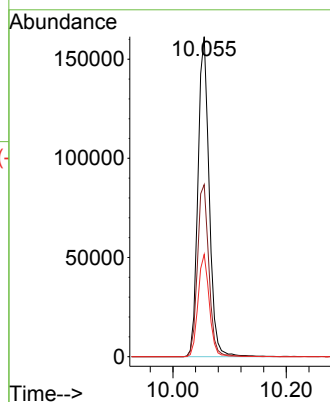
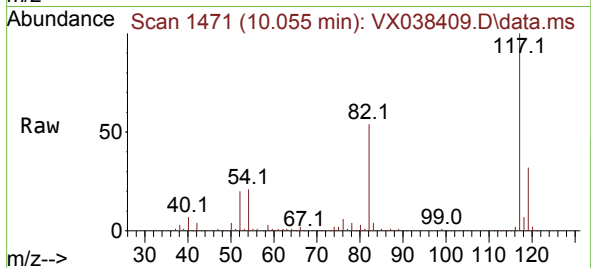




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

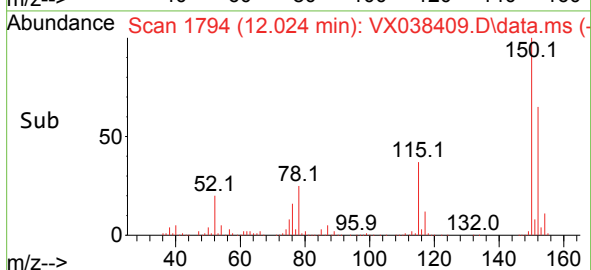
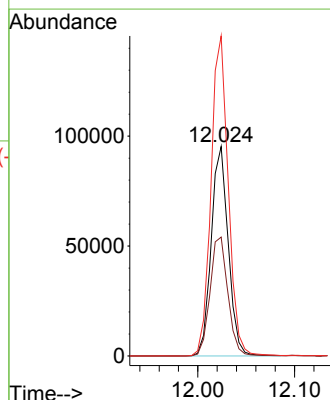
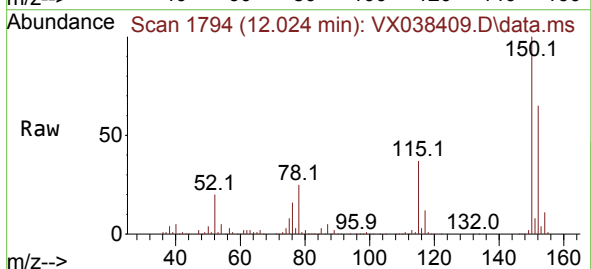
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

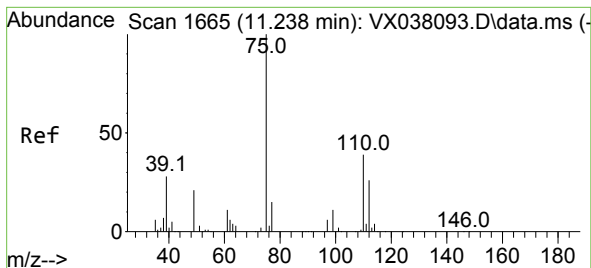
Tgt Ion:117 Resp: 221152  
Ion Ratio Lower Upper  
117 100  
82 53.8 46.2 69.4  
119 31.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

Tgt Ion:152 Resp: 116820  
Ion Ratio Lower Upper  
152 100  
115 59.7 43.3 129.9  
150 154.7 0.0 345.0

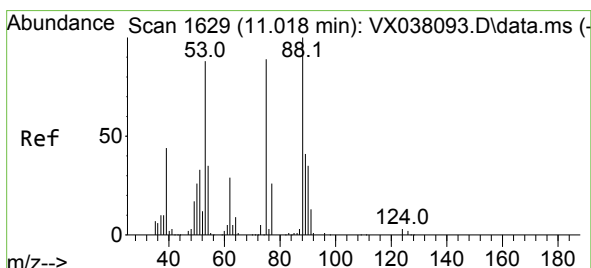
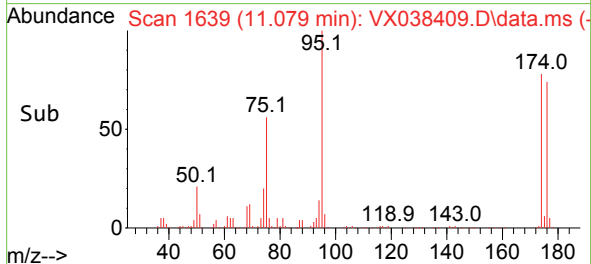
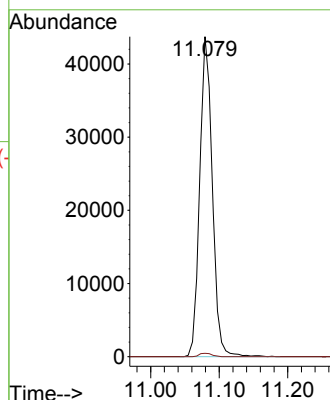
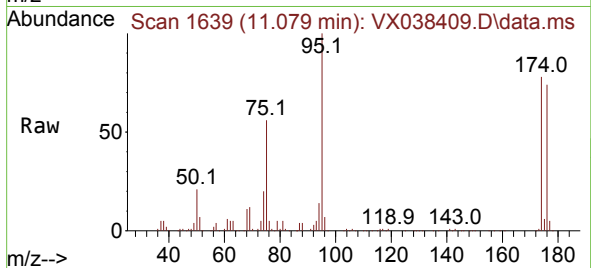




#76  
1,2,3-Trichloropropane  
Concen: 21.128 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

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

Tgt Ion: 75 Resp: 56111  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.750 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX038409.D  
Acq: 20 Oct 2023 17:49

Tgt Ion: 75 Resp: 56111  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

