

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032724\  
 Data File : VX040814.D  
 Acq On : 27 Mar 2024 15:33  
 Operator : JC/MD  
 Sample : P1869-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SOIL-5

Quant Time: Mar 28 03:56:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:44:48 2024  
 Response via : Initial Calibration

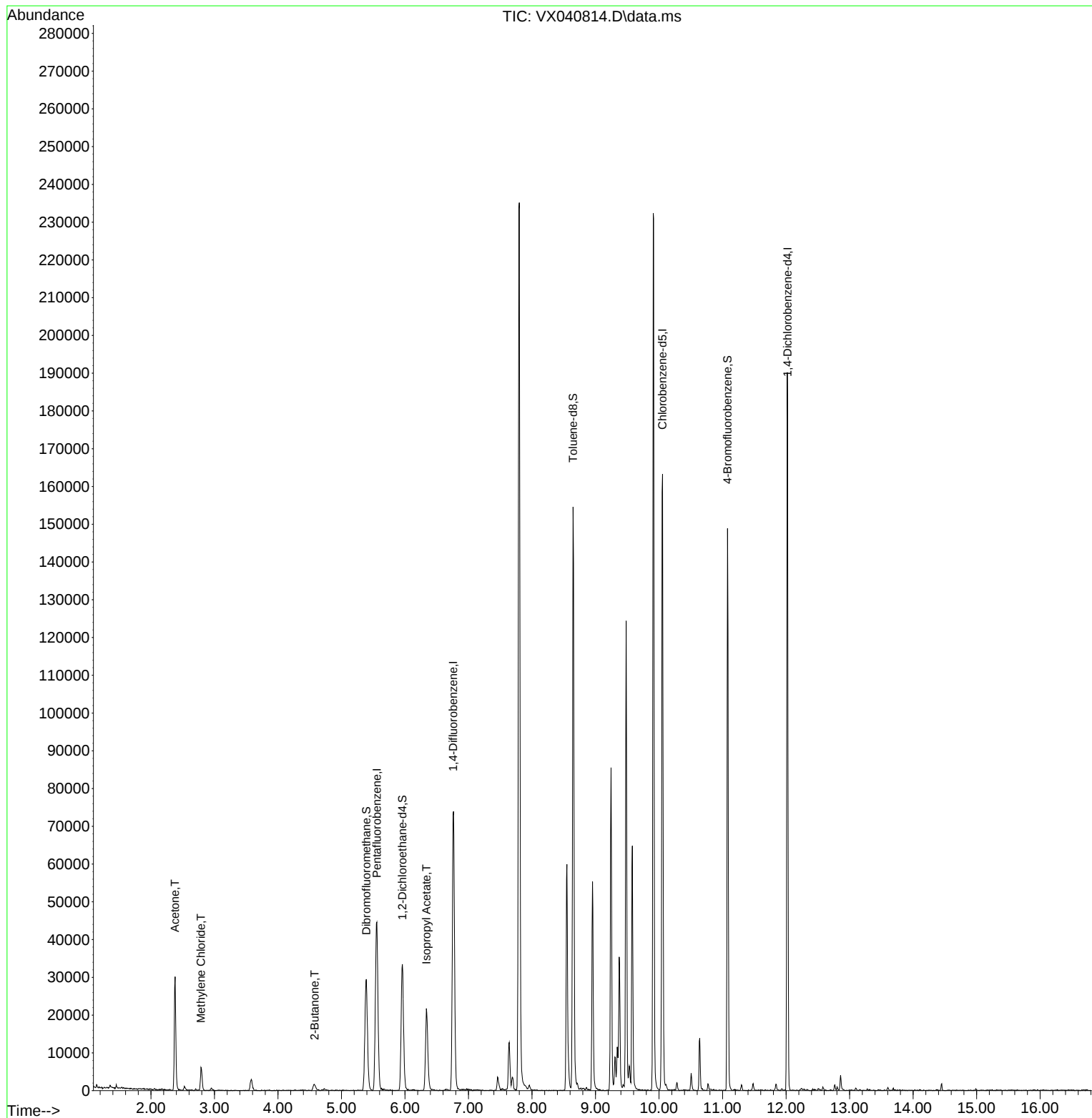
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556     | 168   | 40066    | 50.000   | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.757     | 114   | 72232    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055    | 117   | 68618    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024    | 152   | 35800    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958     | 65    | 34363    | 51.007   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | =      | 102.020% |
| 35) Dibromofluoromethane    | 5.391     | 113   | 24414    | 45.171   | ug/l   | 0.01     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 90.340%  |
| 50) Toluene-d8              | 8.647     | 98    | 87667    | 47.371   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | =      | 94.740%  |
| 62) 4-Bromofluorobenzene    | 11.079    | 95    | 36694    | 50.186   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 100.380% |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.379     | 43    | 31908    | 133.717  | ug/l   | 97       |
| 20) Methylene Chloride      | 2.788     | 84    | 2711     | 5.197    | ug/l   | 97       |
| 25) 2-Butanone              | 4.574     | 43    | 3067     | 8.206    | ug/l   | 93       |
| 43) Isopropyl Acetate       | 6.336     | 43    | 30120    | 21.226   | ug/l   | 96       |
| -----                       |           |       |          |          |        |          |

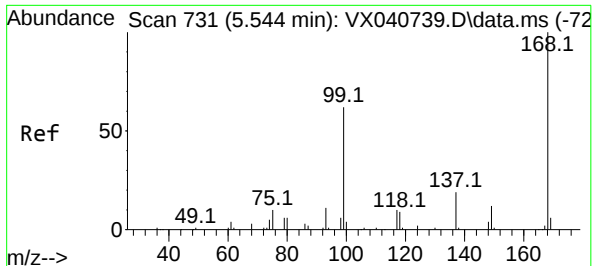
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SOIL-5

Quant Time: Mar 28 03:56:28 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 22 02:44:48 2024  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.012 min  
Lab File: VX040814.D  
Acq: 27 Mar 2024 15:33

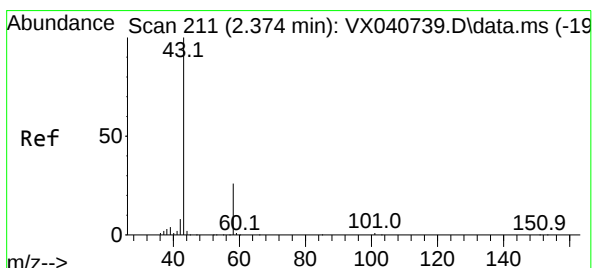
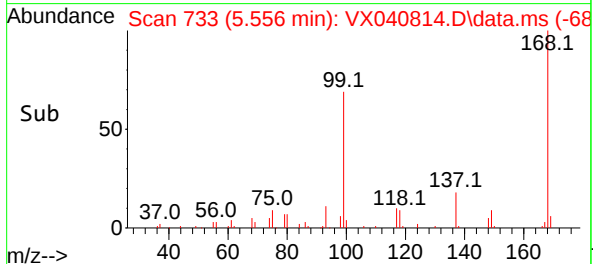
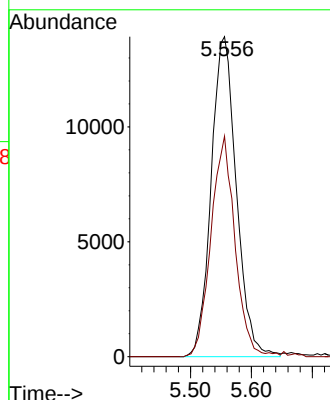
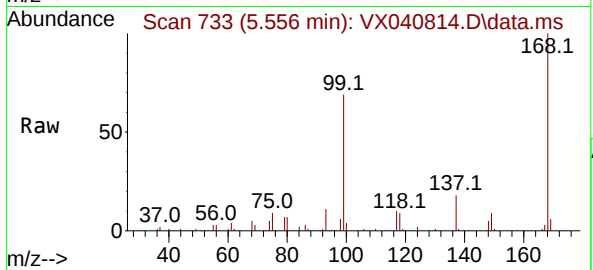
Instrument :

MSVOA\_X

ClientSampleId :

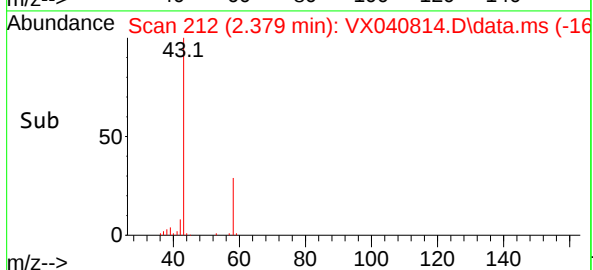
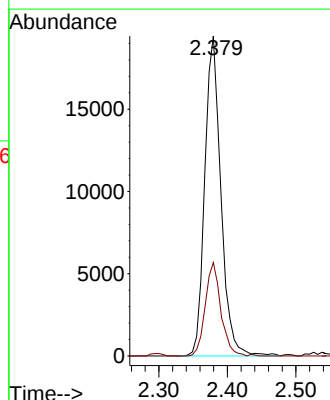
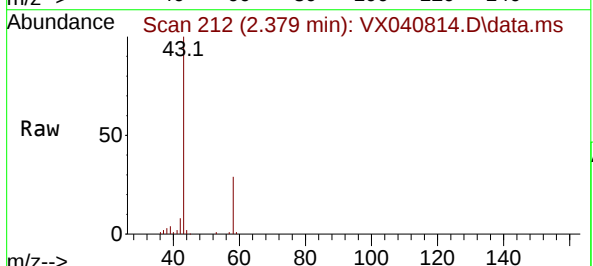
SOIL-5

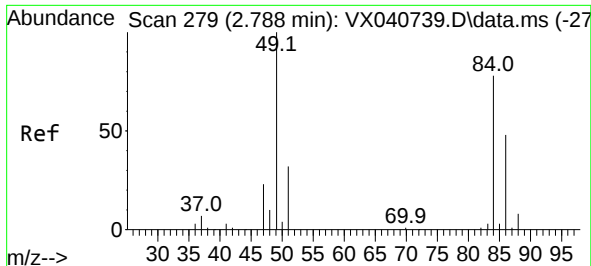
Tgt Ion:168 Resp: 40066  
Ion Ratio Lower Upper  
168 100  
99 68.9 56.6 85.0



#16  
Acetone  
Concen: 133.717 ug/l  
RT: 2.379 min Scan# 212  
Delta R.T. 0.005 min  
Lab File: VX040814.D  
Acq: 27 Mar 2024 15:33

Tgt Ion: 43 Resp: 31908  
Ion Ratio Lower Upper  
43 100  
58 29.2 21.9 32.9

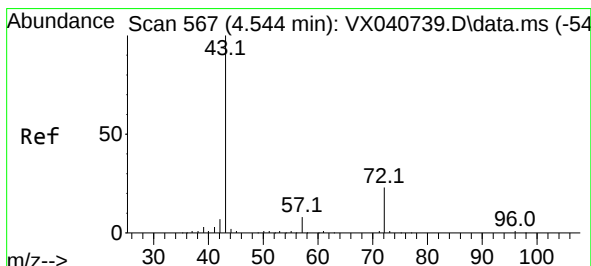
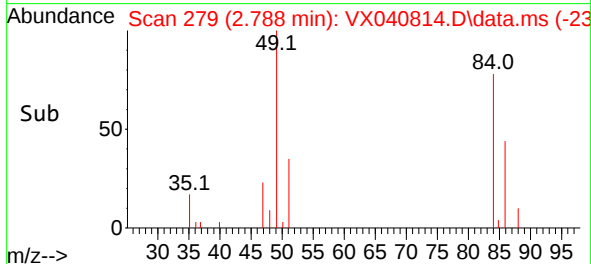
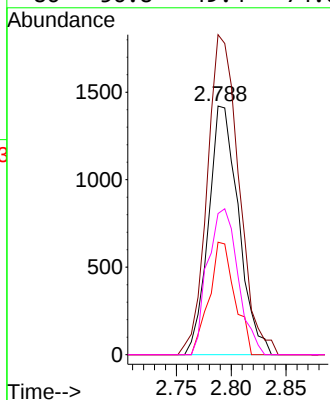
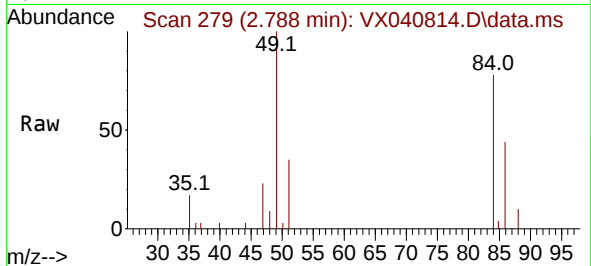




#20  
Methylene Chloride  
Concen: 5.197 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX040814.D  
Acq: 27 Mar 2024 15:33

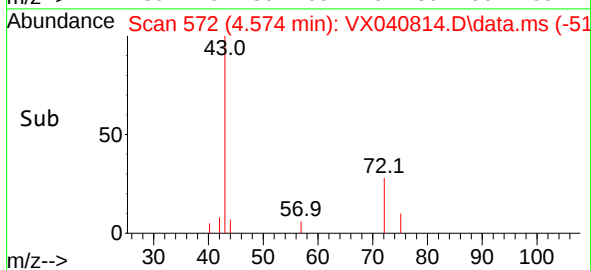
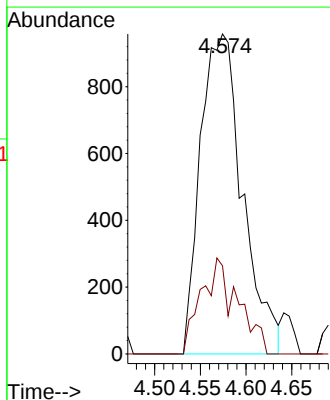
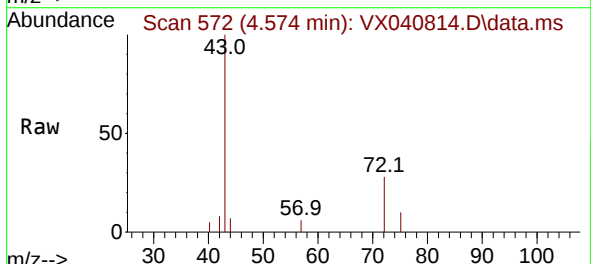
Instrument :  
MSVOA\_X  
ClientSampleId :  
SOIL-5

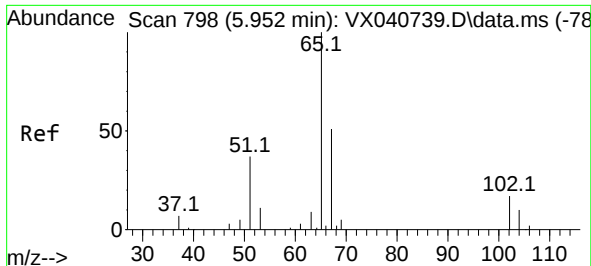
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 2711  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 128.7    | 103.6 155.4 |
| 51 45.2     | 33.8 50.6   |
| 86 56.8     | 49.4 74.0   |



#25  
2-Butanone  
Concen: 8.206 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.030 min  
Lab File: VX040814.D  
Acq: 27 Mar 2024 15:33

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 43 | Resp: 3067 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 43 100      |            |       |  |
| 72 27.6     | 19.4       | 29.2  |  |





#33

1,2-Dichloroethane-d4

Concen: 51.007 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040814.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA\_X

ClientSampleId :

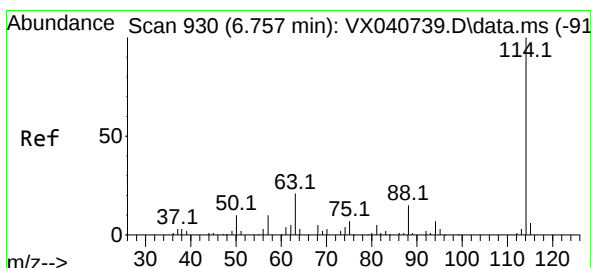
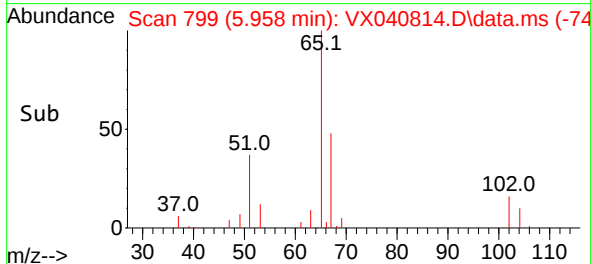
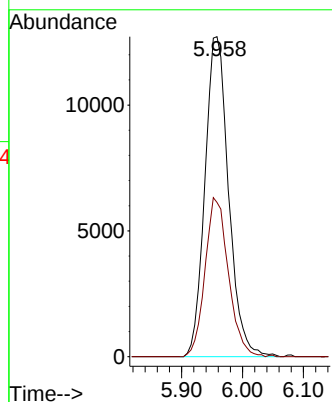
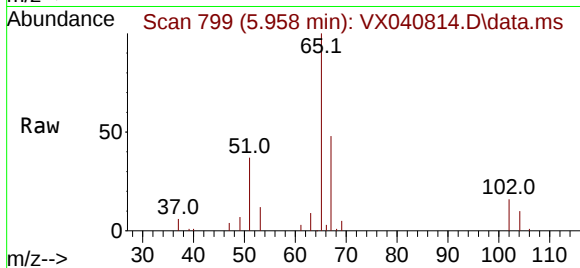
SOIL-5

Tgt Ion: 65 Resp: 34363

Ion Ratio Lower Upper

65 100

67 49.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX040814.D

Acq: 27 Mar 2024 15:33

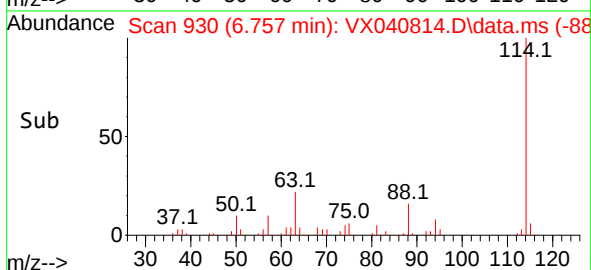
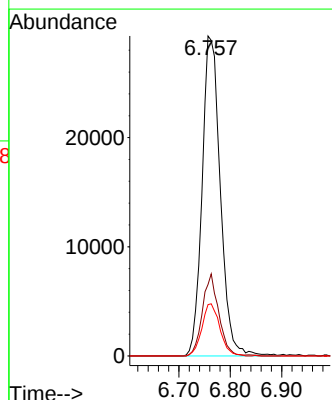
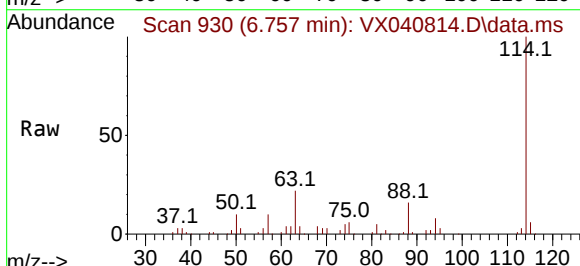
Tgt Ion: 114 Resp: 72232

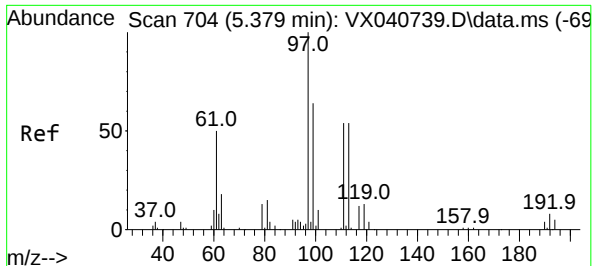
Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.0

88 16.1 0.0 36.6

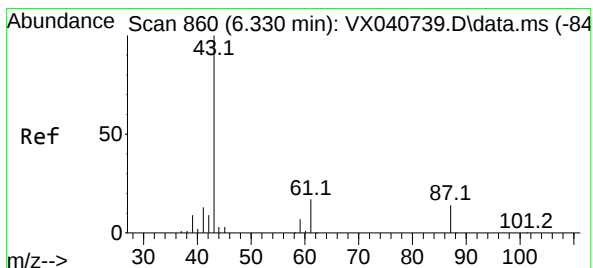
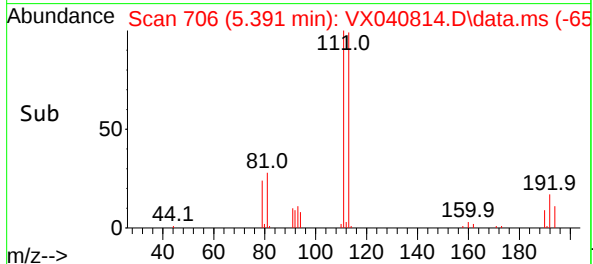
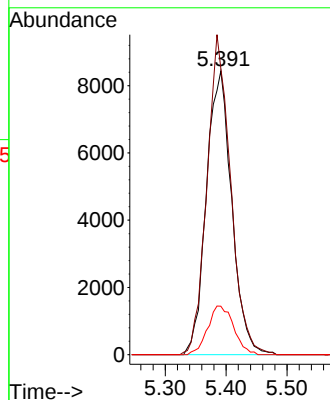
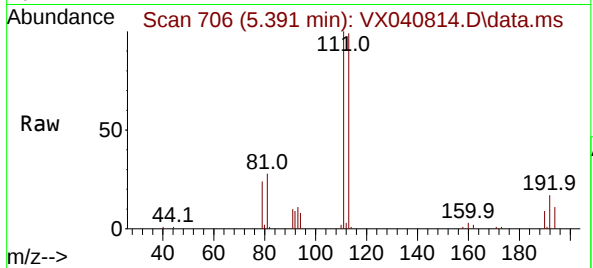




#35  
Dibromofluoromethane  
Concen: 45.171 ug/l  
RT: 5.391 min Scan# 704  
Delta R.T. 0.012 min  
Lab File: VX040814.D  
Acq: 27 Mar 2024 15:33

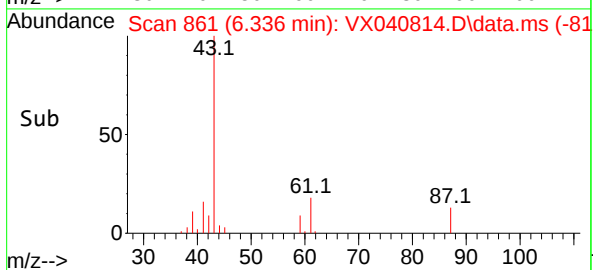
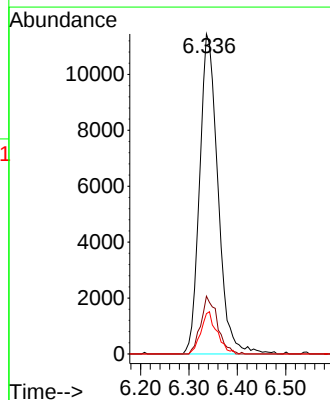
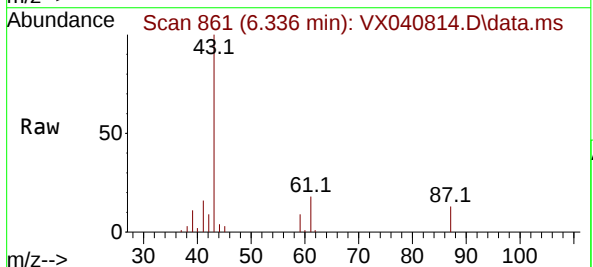
Instrument :  
MSVOA\_X  
ClientSampleId :  
SOIL-5

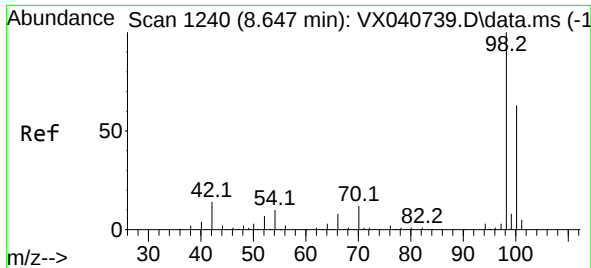
Tgt Ion:113 Resp: 24414  
Ion Ratio Lower Upper  
113 100  
111 105.2 82.9 124.3  
192 17.6 13.3 19.9



#43  
Isopropyl Acetate  
Concen: 21.226 ug/l  
RT: 6.336 min Scan# 861  
Delta R.T. 0.006 min  
Lab File: VX040814.D  
Acq: 27 Mar 2024 15:33

Tgt Ion: 43 Resp: 30120  
Ion Ratio Lower Upper  
43 100  
61 16.5 15.2 22.8  
87 11.5 9.8 14.6

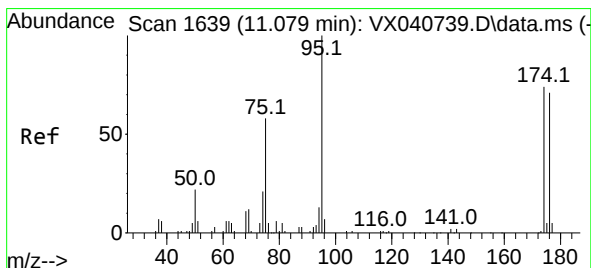
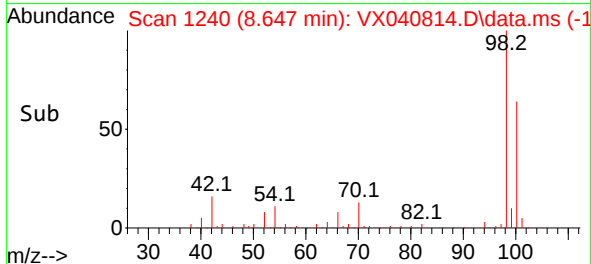
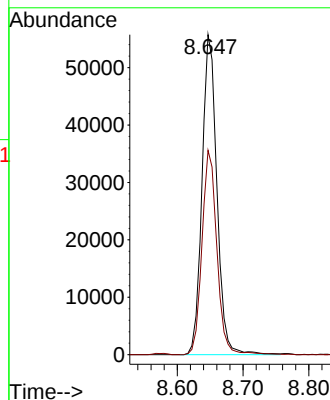
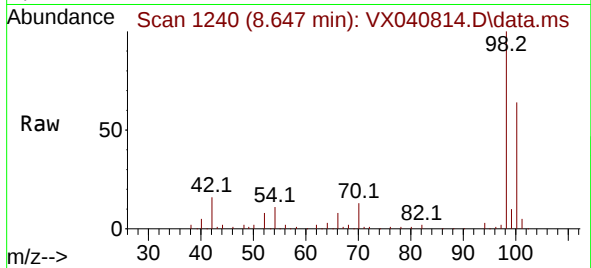




#50  
Toluene-d8  
Concen: 47.371 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040814.D  
Acq: 27 Mar 2024 15:33

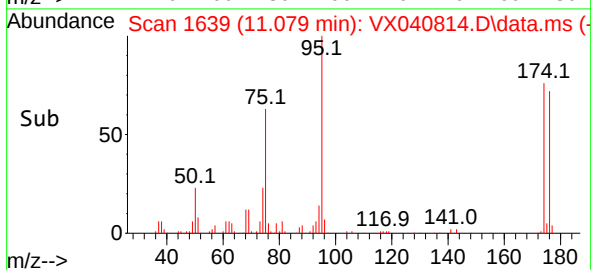
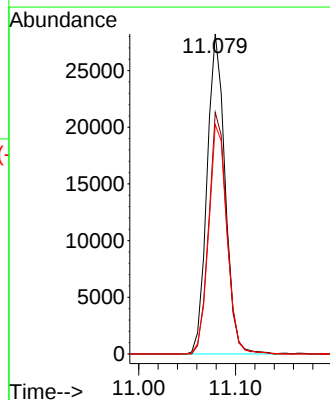
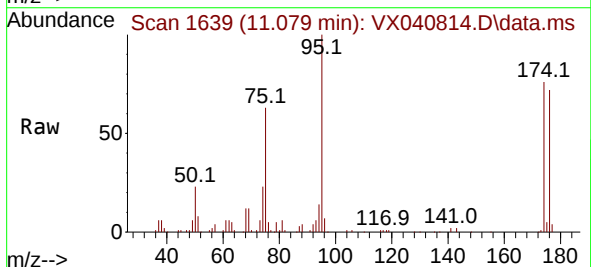
Instrument :  
MSVOA\_X  
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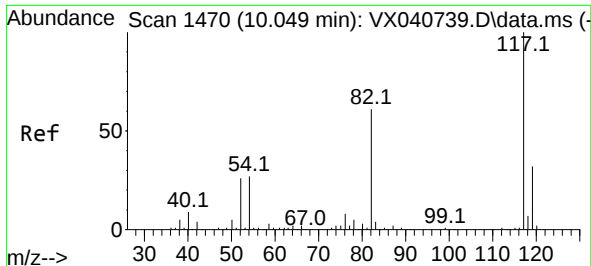
Tgt Ion: 98 Resp: 87667  
Ion Ratio Lower Upper  
98 100  
100 64.2 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 50.186 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX040814.D  
Acq: 27 Mar 2024 15:33

Tgt Ion: 95 Resp: 36694  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 135.6  
176 72.5 0.0 131.0

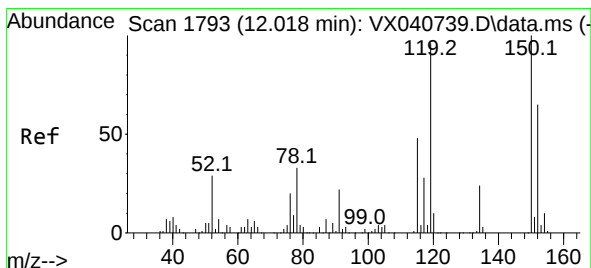
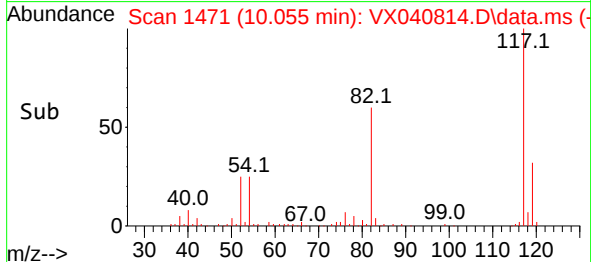
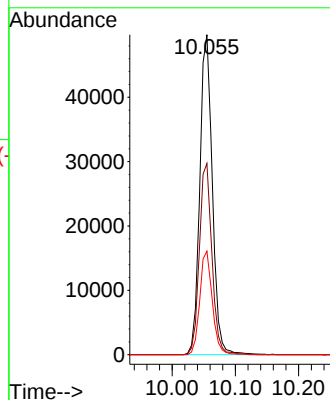
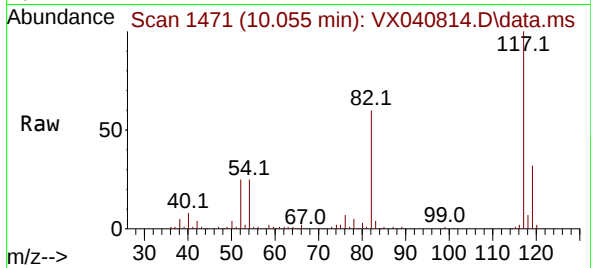




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VX040814.D  
Acq: 27 Mar 2024 15:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Tgt Ion:117 Resp: 68618  
Ion Ratio Lower Upper  
117 100  
82 59.8 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# 1794  
Delta R.T. 0.006 min  
Lab File: VX040814.D  
Acq: 27 Mar 2024 15:33

Tgt Ion:152 Resp: 35800  
Ion Ratio Lower Upper  
152 100  
115 61.6 43.3 129.9  
150 157.0 0.0 345.0

