

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN043024\  
 Data File : VN081933.D  
 Acq On : 30 Apr 2024 16:05  
 Operator : JC\MD  
 Sample : P2283-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EXCAV-SOIL-2

Quant Time: May 01 00:55:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 26 05:26:49 2024  
 Response via : Initial Calibration

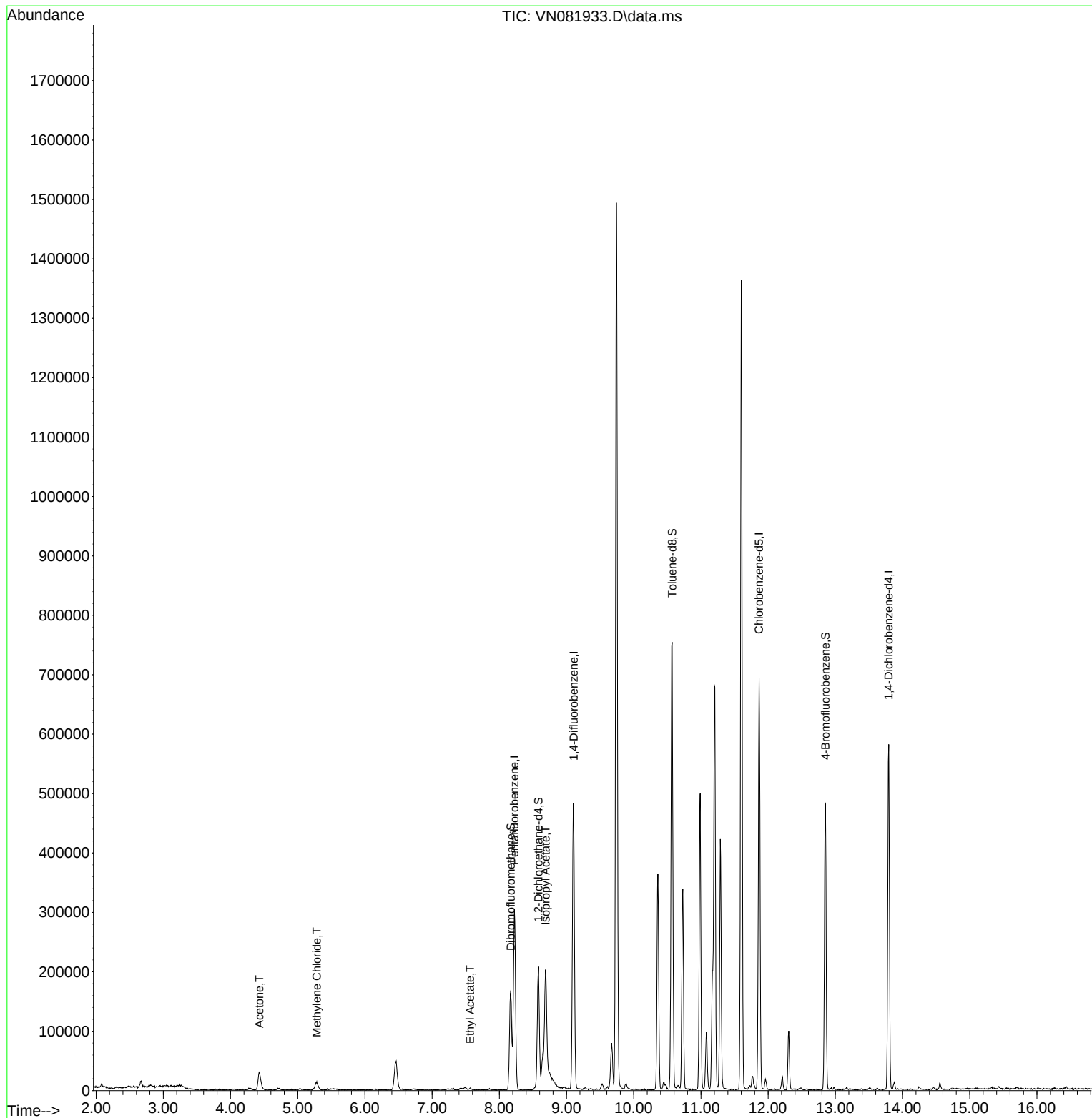
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 209322   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 417444   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 371731   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 144240   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 157088   | 44.466   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 88.940%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 123559   | 49.161   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 98.320%  |
| 50) Toluene-d8              | 10.571 | 98    | 522151   | 52.897   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 105.800% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 177367   | 45.454   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =      | 90.900%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.430  | 43    | 51753    | 45.057   | ug/l   | 93       |
| 20) Methylene Chloride      | 5.283  | 84    | 9678     | 3.197    | ug/l # | 90       |
| 37) Ethyl Acetate           | 7.565  | 43    | 4751     | 1.075    | ug/l # | 91       |
| 43) Isopropyl Acetate       | 8.688  | 43    | 307502   | 36.992   | ug/l # | 74       |
| -----                       |        |       |          |          |        |          |

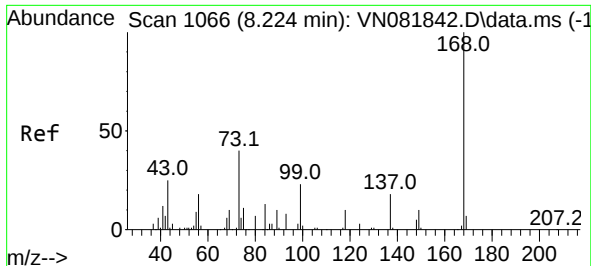
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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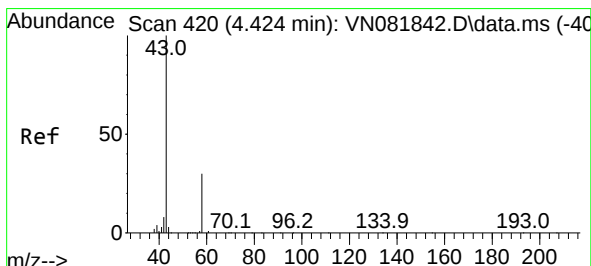
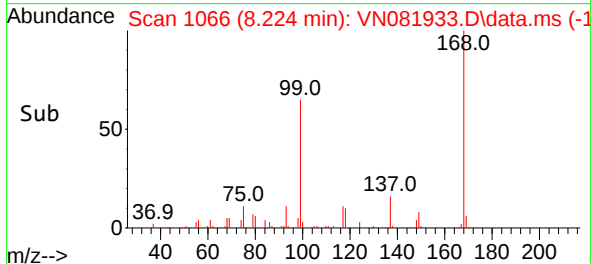
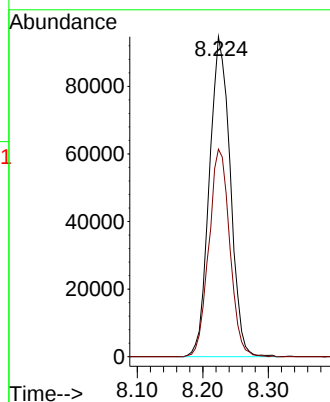
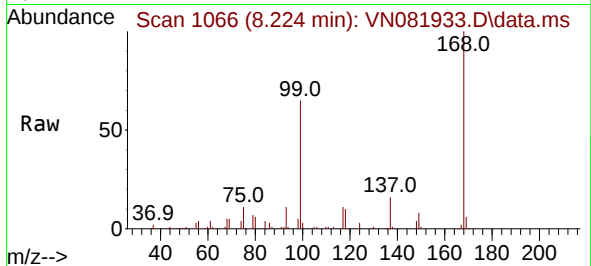




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081933.D  
Acq: 30 Apr 2024 16:05

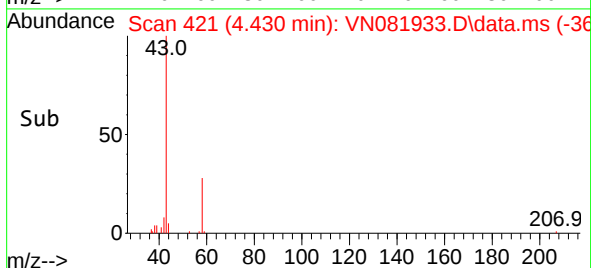
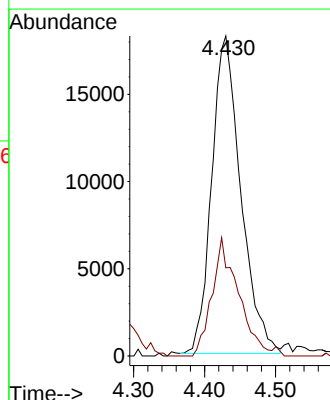
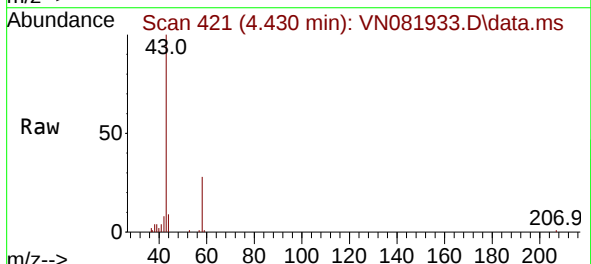
Instrument :  
MSVOA\_N  
ClientSampleId :  
EXCAV-SOIL-2

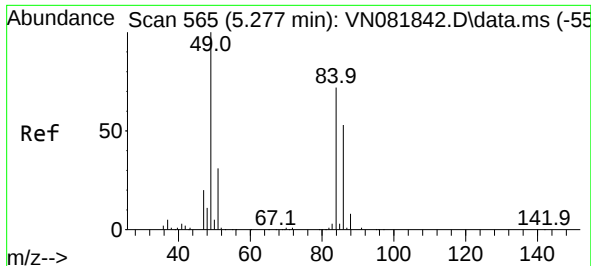
Tgt Ion:168 Resp: 209322  
Ion Ratio Lower Upper  
168 100  
99 64.9 48.2 72.4



#16  
Acetone  
Concen: 45.057 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN081933.D  
Acq: 30 Apr 2024 16:05

Tgt Ion: 43 Resp: 51753  
Ion Ratio Lower Upper  
43 100  
58 27.8 25.2 37.8

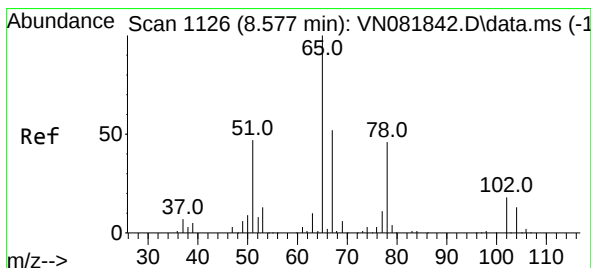
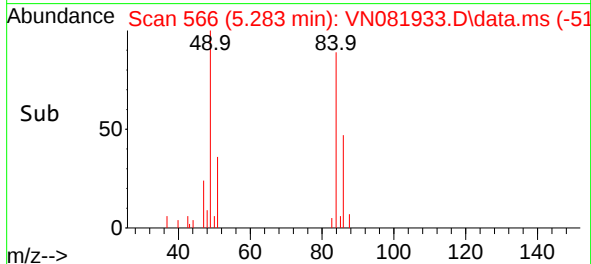
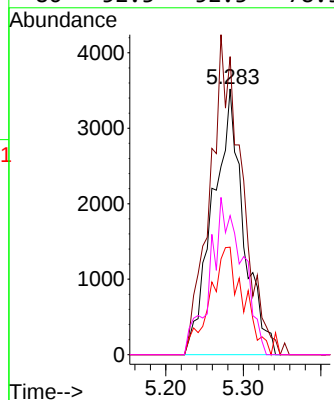
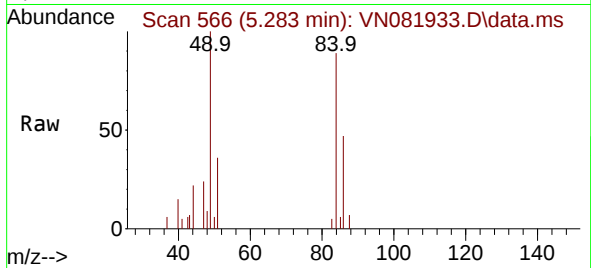




#20  
Methylene Chloride  
Concen: 3.197 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN081933.D  
Acq: 30 Apr 2024 16:05

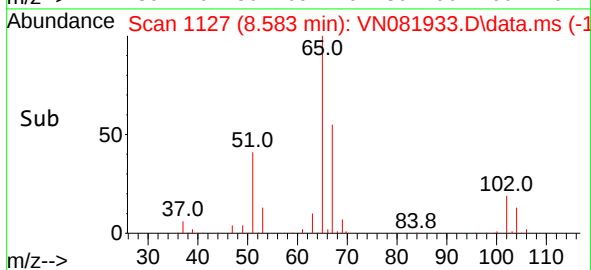
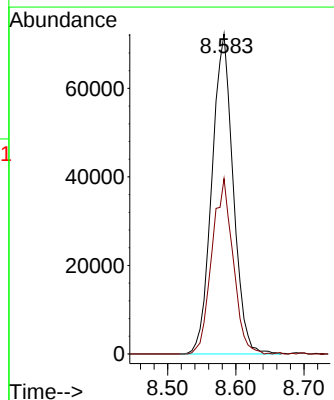
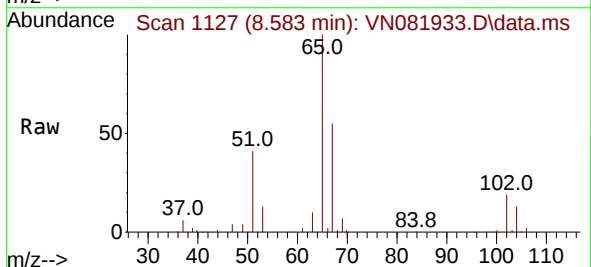
Instrument :  
MSVOA\_N  
ClientSampleId :  
EXCAV-SOIL-2

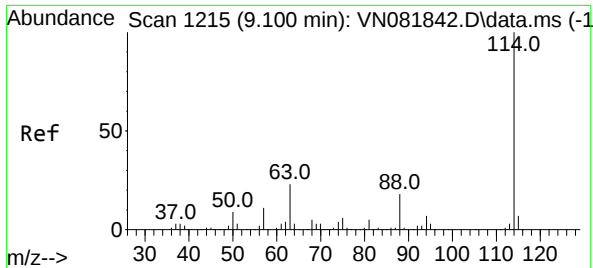
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 9678  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 112.2 | 84.9  | 127.3 |
| 51       | 40.4  | 27.0  | 40.6  |
| 86       | 52.3  | 52.3  | 78.5  |



#33  
1,2-Dichloroethane-d4  
Concen: 44.466 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081933.D  
Acq: 30 Apr 2024 16:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 157088 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.6  | 0.0   | 103.0  |

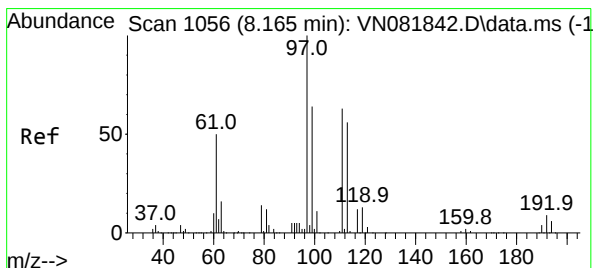
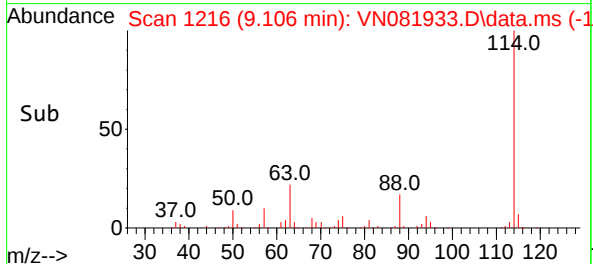
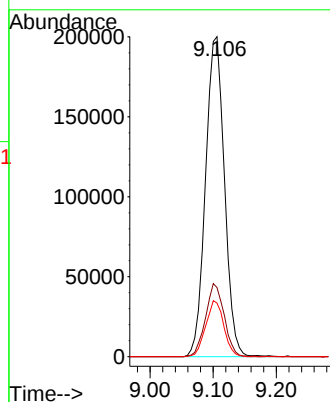
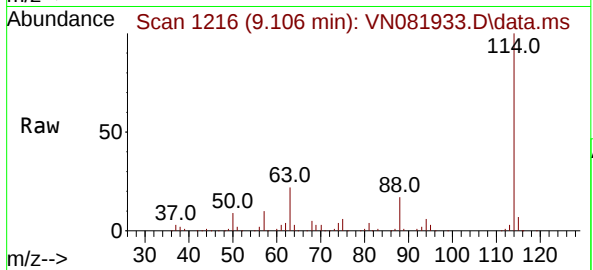




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN081933.D  
Acq: 30 Apr 2024 16:05

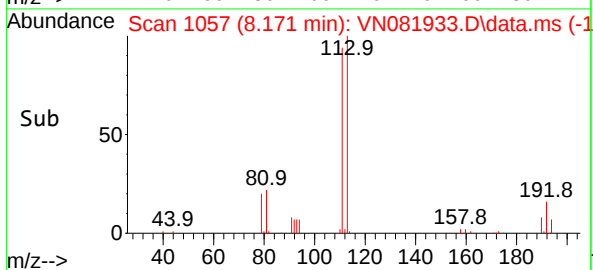
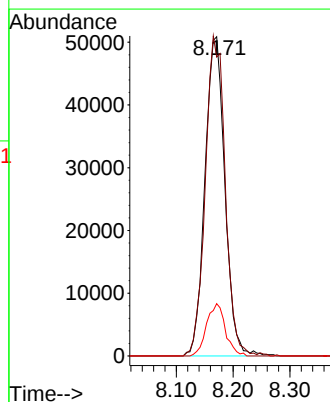
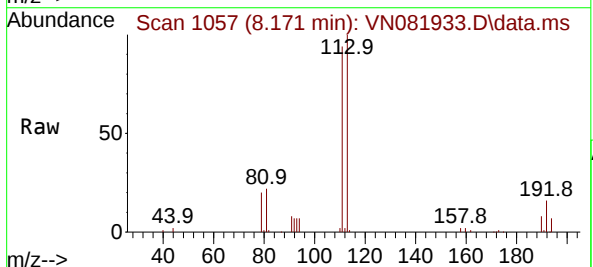
Instrument :  
MSVOA\_N  
ClientSampleId :  
EXCAV-SOIL-2

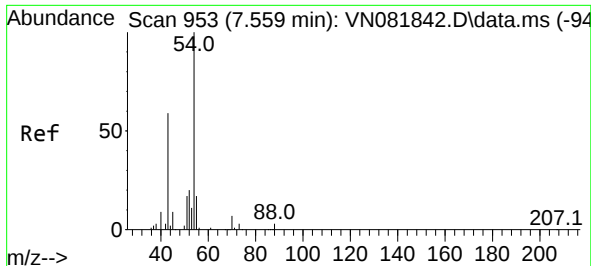
Tgt Ion:114 Resp: 417444  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 41.0  
88 16.8 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 49.161 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN081933.D  
Acq: 30 Apr 2024 16:05

Tgt Ion:113 Resp: 123559  
Ion Ratio Lower Upper  
113 100  
111 100.2 83.4 125.2  
192 15.5 14.0 21.0





#37

Ethyl Acetate

Concen: 1.075 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN081933.D

Acq: 30 Apr 2024 16:05

Instrument :

MSVOA\_N

ClientSampleId :

EXCAV-SOIL-2

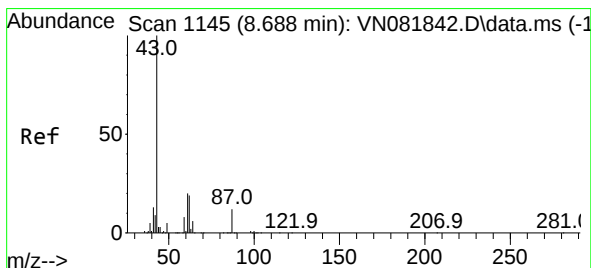
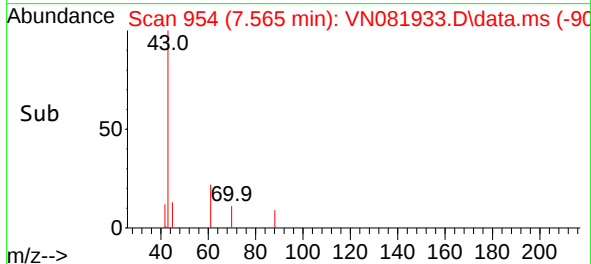
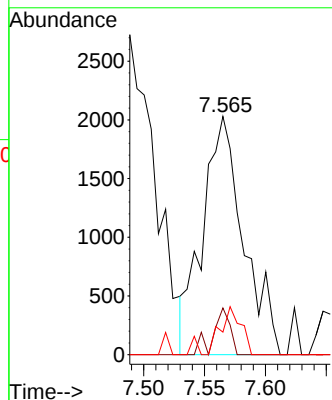
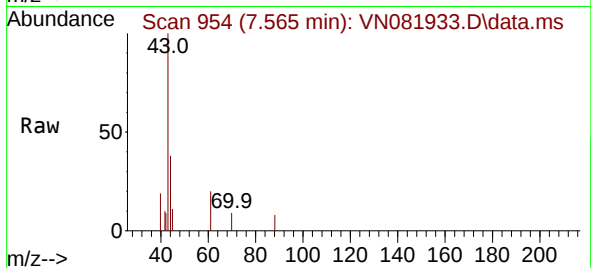
Tgt Ion: 43 Resp: 4751

Ion Ratio Lower Upper

43 100

61 8.0 11.3 16.9#

70 10.1 8.7 13.1



#43

Isopropyl Acetate

Concen: 36.992 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081933.D

Acq: 30 Apr 2024 16:05

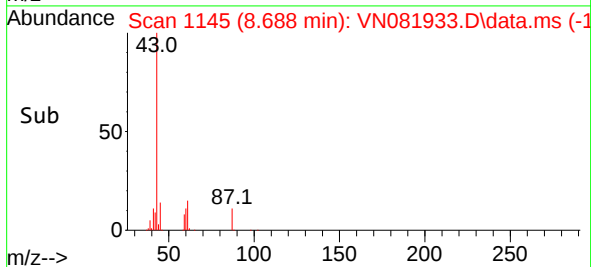
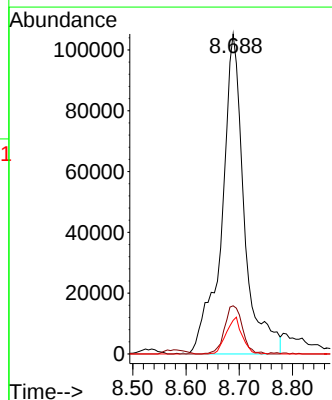
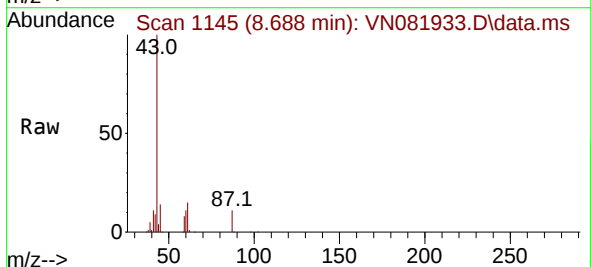
Tgt Ion: 43 Resp: 307502

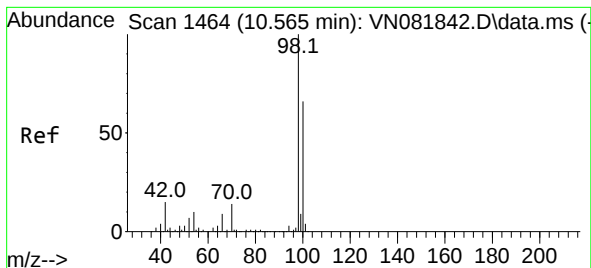
Ion Ratio Lower Upper

43 100

61 12.0 22.8 34.2#

87 8.1 12.0 18.0#

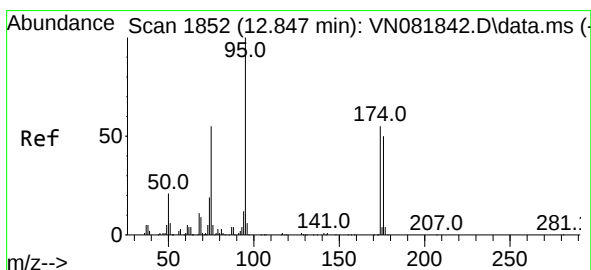
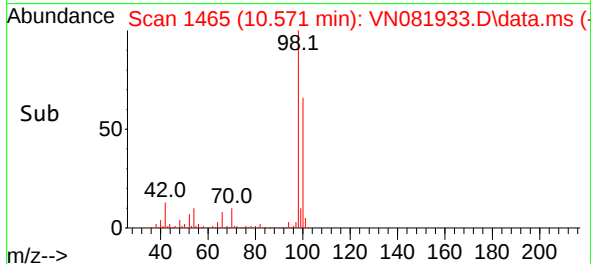
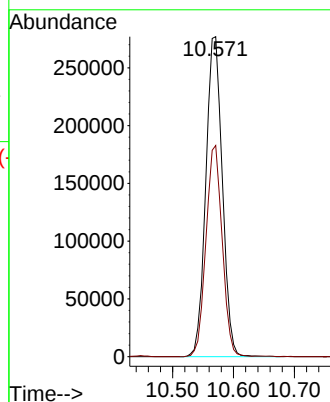
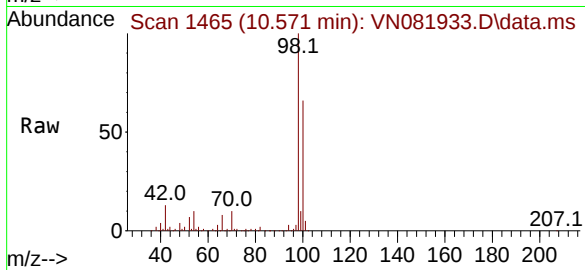




#50  
Toluene-d8  
Concen: 52.897 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN081933.D  
Acq: 30 Apr 2024 16:05

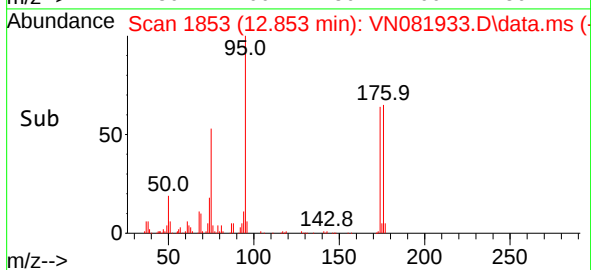
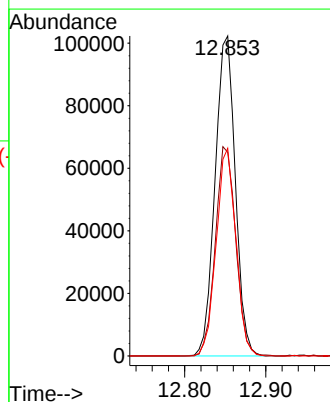
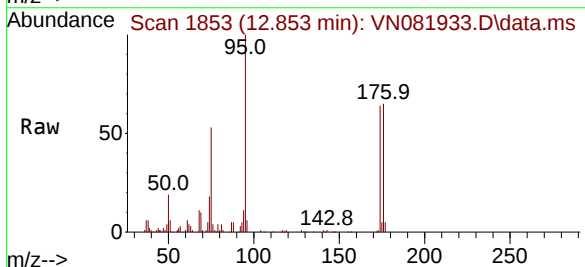
Instrument :  
MSVOA\_N  
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EXCAV-SOIL-2

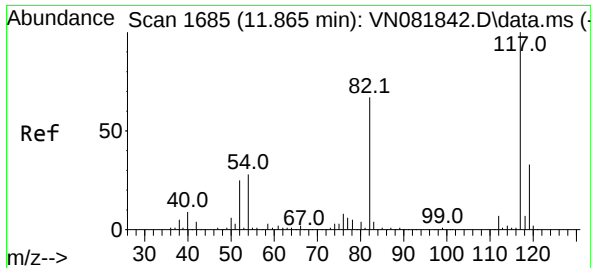
Tgt Ion: 98 Resp: 522151  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 45.454 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN081933.D  
Acq: 30 Apr 2024 16:05

Tgt Ion: 95 Resp: 177367  
Ion Ratio Lower Upper  
95 100  
174 66.0 0.0 160.6  
176 63.3 0.0 152.8

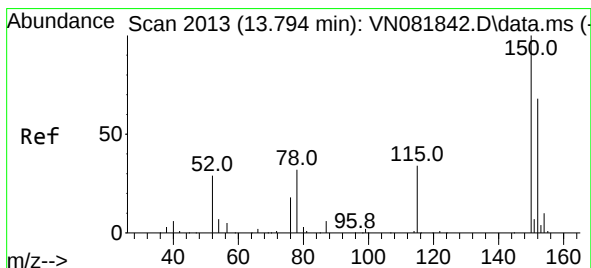
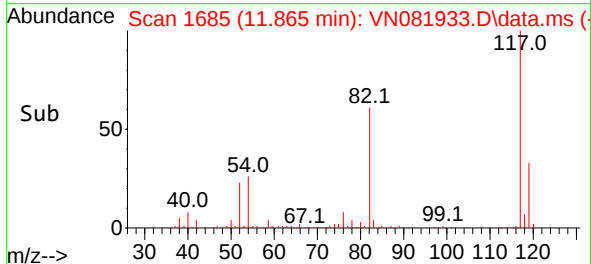
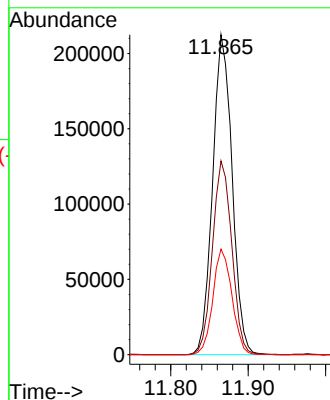
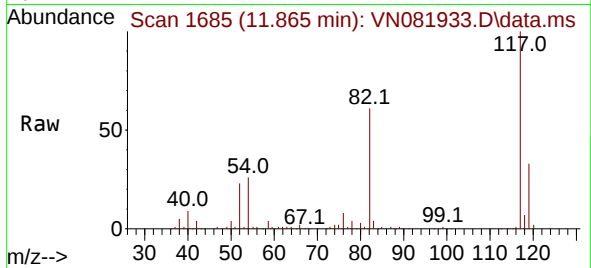




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN081933.D  
Acq: 30 Apr 2024 16:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion:117 Resp: 371731  
Ion Ratio Lower Upper  
117 100  
82 60.5 44.6 66.8  
119 33.0 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN081933.D  
Acq: 30 Apr 2024 16:05

Tgt Ion:152 Resp: 144240  
Ion Ratio Lower Upper  
152 100  
115 66.4 30.4 91.3  
150 163.8 0.0 353.2

