

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070824\  
 Data File : VN082827.D  
 Acq On : 08 Jul 2024 17:23  
 Operator : JC\MD  
 Sample : P3169-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Storage-Blank-SOIL-REF-6

Quant Time: Jul 09 06:06:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 13:46:04 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 99847    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 189592   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 186018   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 79794    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 82280    | 58.786   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 117.580% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 66528    | 54.685   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 109.380% |
| 50) Toluene-d8              | 10.571 | 98    | 238078   | 52.985   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 105.960% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 83582    | 51.784   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =     | 103.560% |

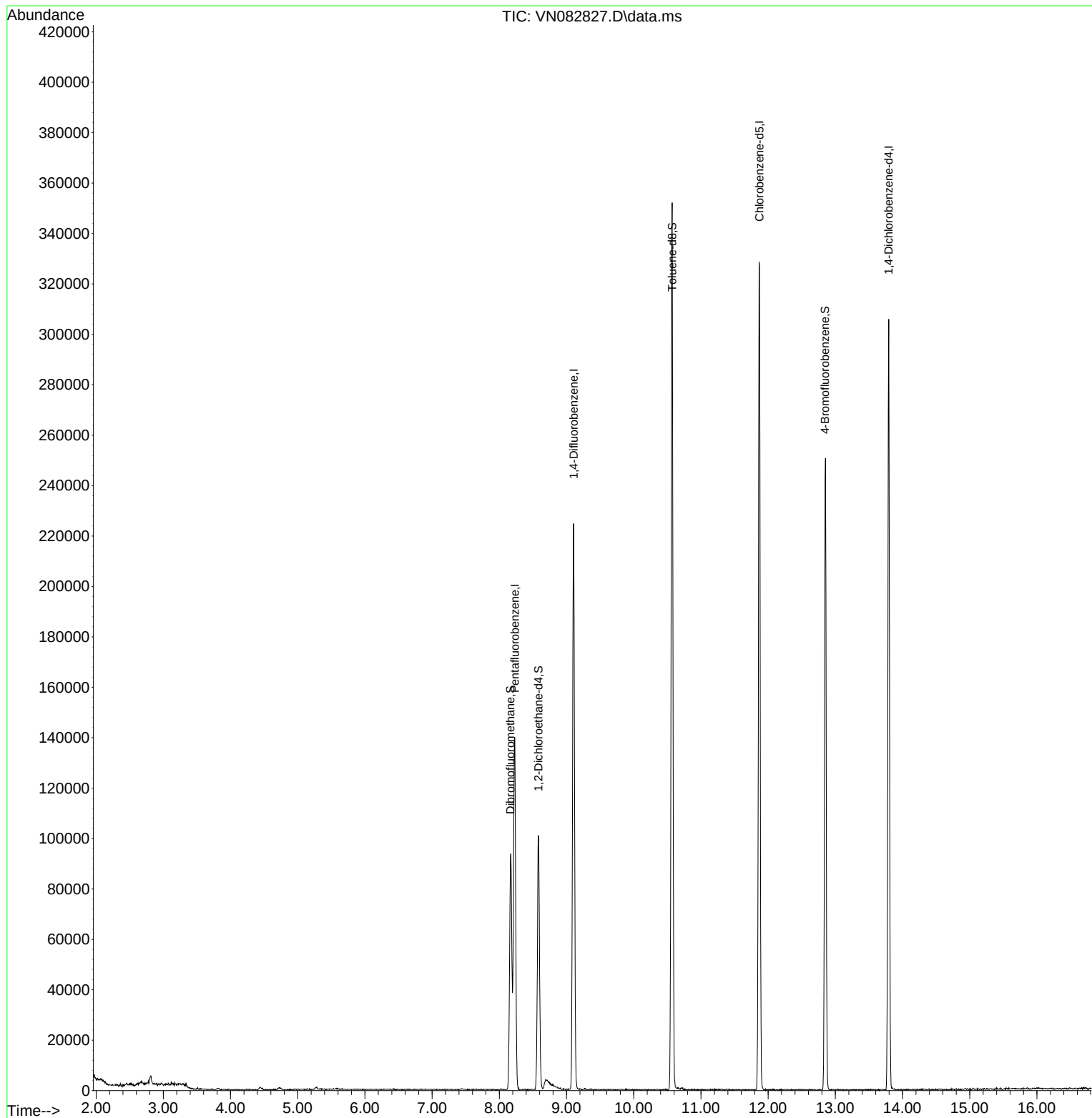
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

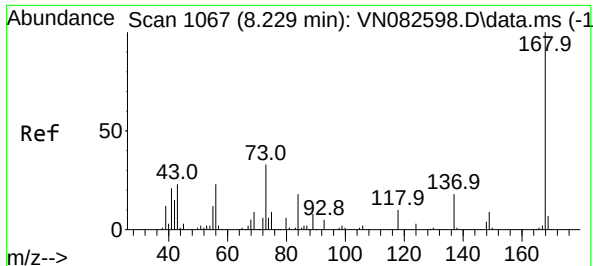
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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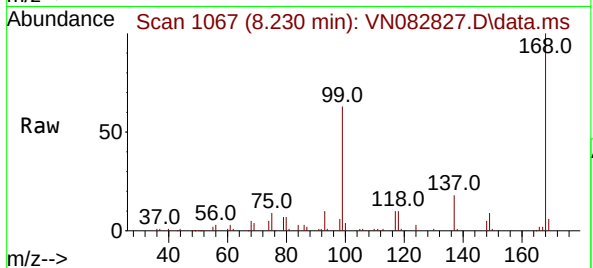
Quant Time: Jul 09 06:06:00 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 08 13:46:04 2024  
Response via : Initial Calibration



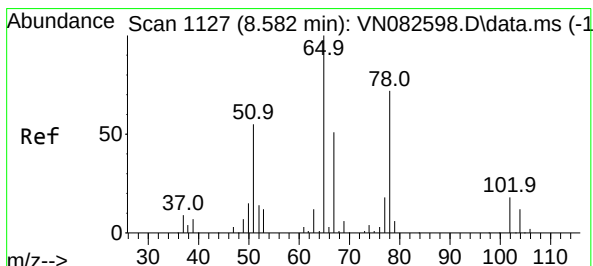
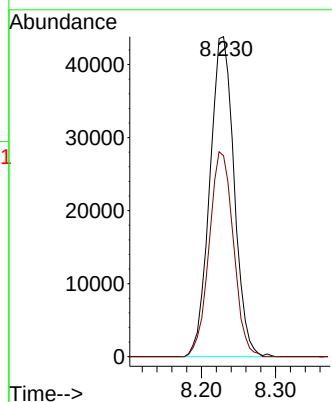
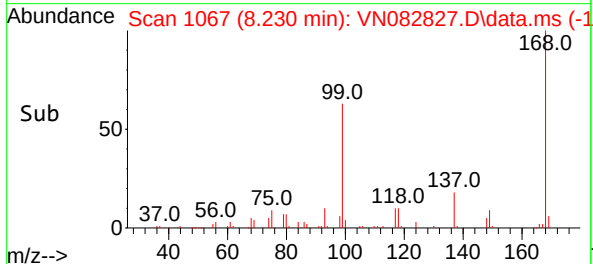


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1106  
Delta R.T. 0.001 min  
Lab File: VN082827.D  
Acq: 08 Jul 2024 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
Storage-Blank-SOIL-REF-6

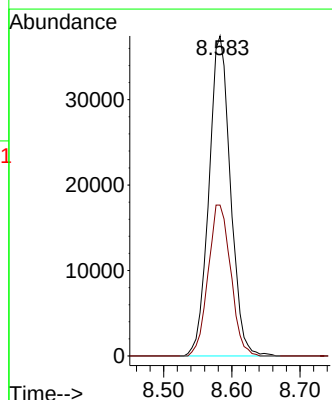
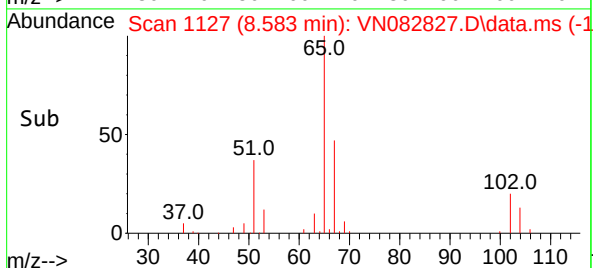
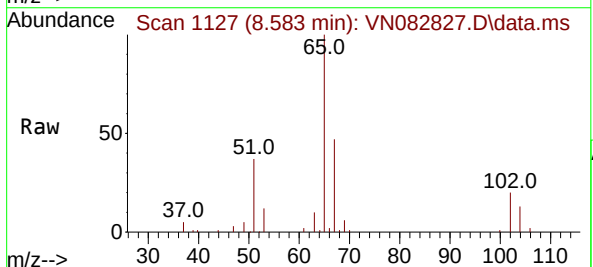


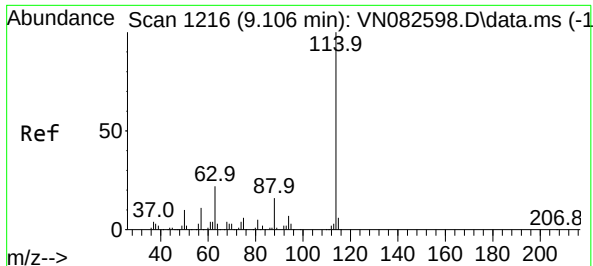
Tgt Ion:168 Resp: 99847  
Ion Ratio Lower Upper  
168 100  
99 62.8 48.2 72.4



#33  
1,2-Dichloroethane-d4  
Concen: 58.786 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.001 min  
Lab File: VN082827.D  
Acq: 08 Jul 2024 17:23

Tgt Ion: 65 Resp: 82280  
Ion Ratio Lower Upper  
65 100  
67 49.4 0.0 104.4

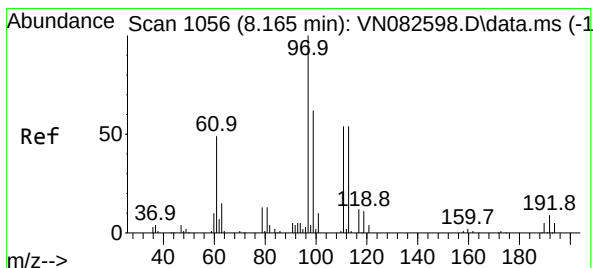
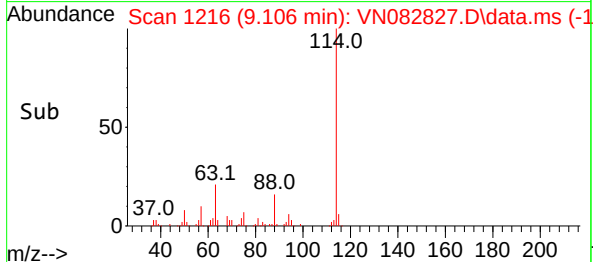
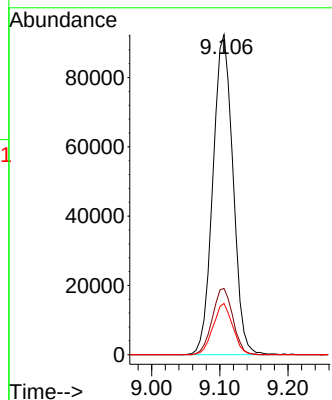
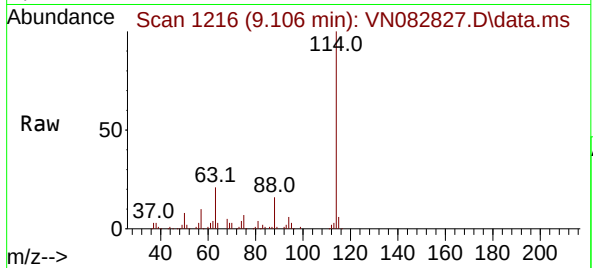




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN082827.D  
Acq: 08 Jul 2024 17:23

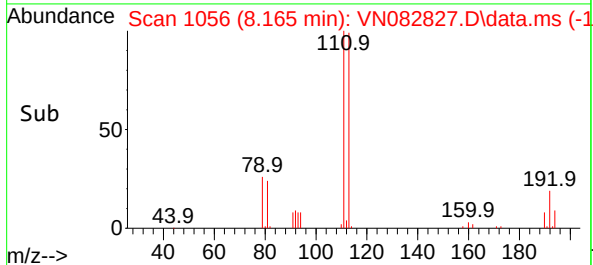
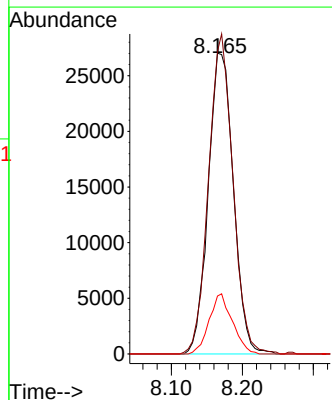
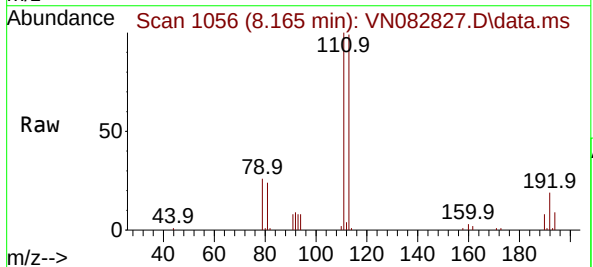
Instrument :  
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ClientSampleId :  
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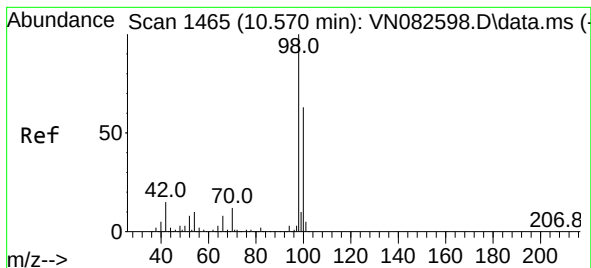
Tgt Ion:114 Resp: 189592  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 44.6  
88 16.0 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 54.685 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN082827.D  
Acq: 08 Jul 2024 17:23

Tgt Ion:113 Resp: 66528  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.4 123.6  
192 18.4 14.9 22.3

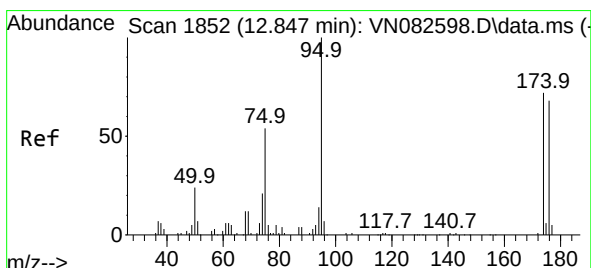
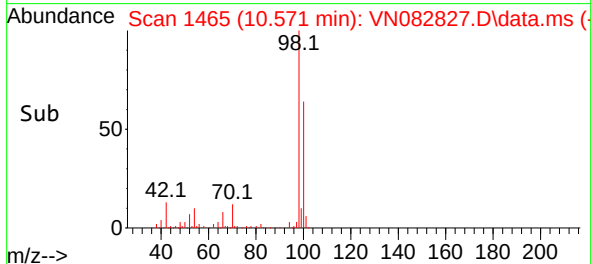
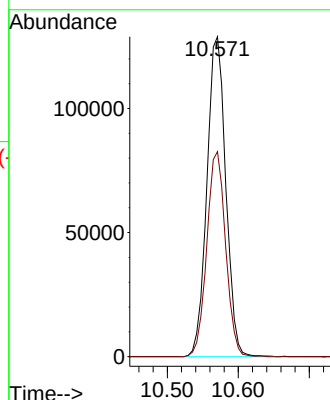
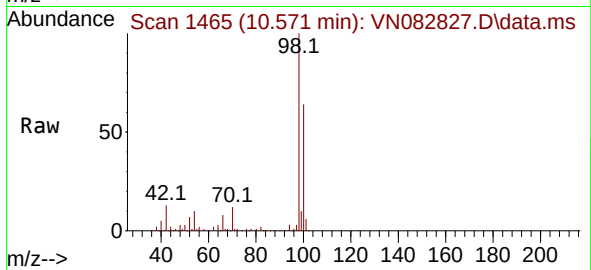




#50  
Toluene-d8  
Concen: 52.985 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.001 min  
Lab File: VN082827.D  
Acq: 08 Jul 2024 17:23

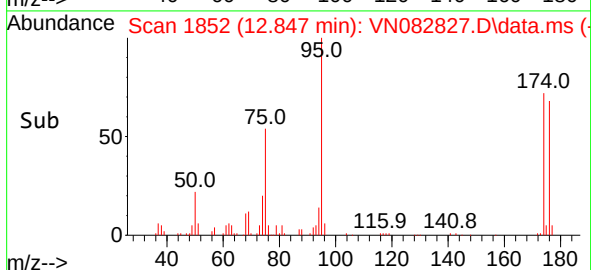
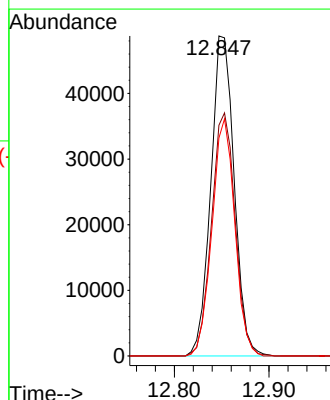
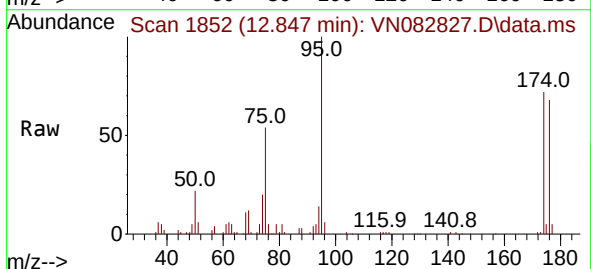
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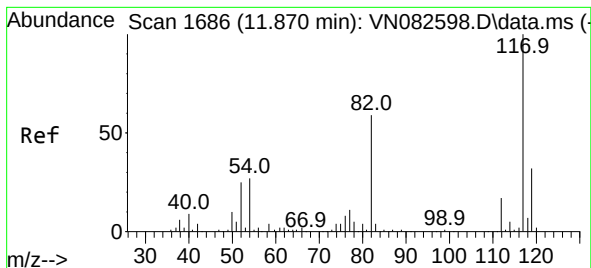
Tgt Ion: 98 Resp: 238078  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 51.784 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN082827.D  
Acq: 08 Jul 2024 17:23

Tgt Ion: 95 Resp: 83582  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 159.2  
176 72.4 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN082827.D

Acq: 08 Jul 2024 17:23

Instrument :

MSVOA\_N

ClientSampleId :

Storage-Blank-SOIL-REF-6

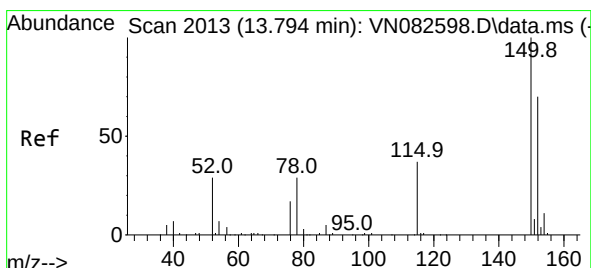
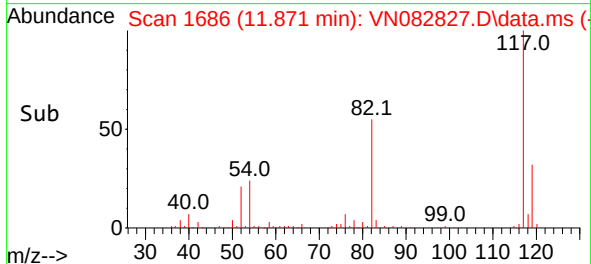
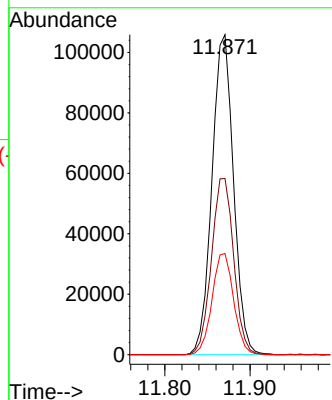
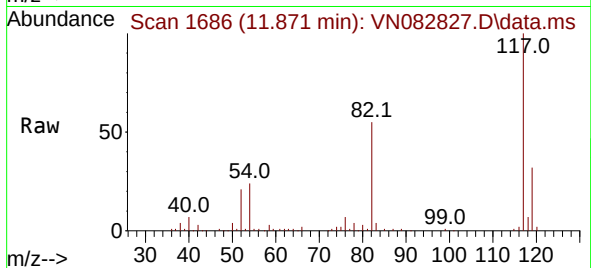
Tgt Ion:117 Resp: 186018

Ion Ratio Lower Upper

117 100

82 55.0 47.5 71.3

119 31.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082827.D

Acq: 08 Jul 2024 17:23

Tgt Ion:152 Resp: 79794

Ion Ratio Lower Upper

152 100

115 60.3 30.6 91.6

150 157.1 0.0 348.6

