

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041224\  
 Data File : VN081727.D  
 Acq On : 12 Apr 2024 18:55  
 Operator : JC\MD  
 Sample : P2076-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 240410059-03-TRIP-BLANK

Quant Time: Apr 13 07:01:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 288743   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 549791   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 518254   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 207501   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 188624   | 51.225   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 102.460% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 156370   | 45.067   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 90.140%  |
| 50) Toluene-d8              | 10.571 | 98    | 573015   | 45.685   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 91.380%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 183419   | 41.502   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 83.000%  |

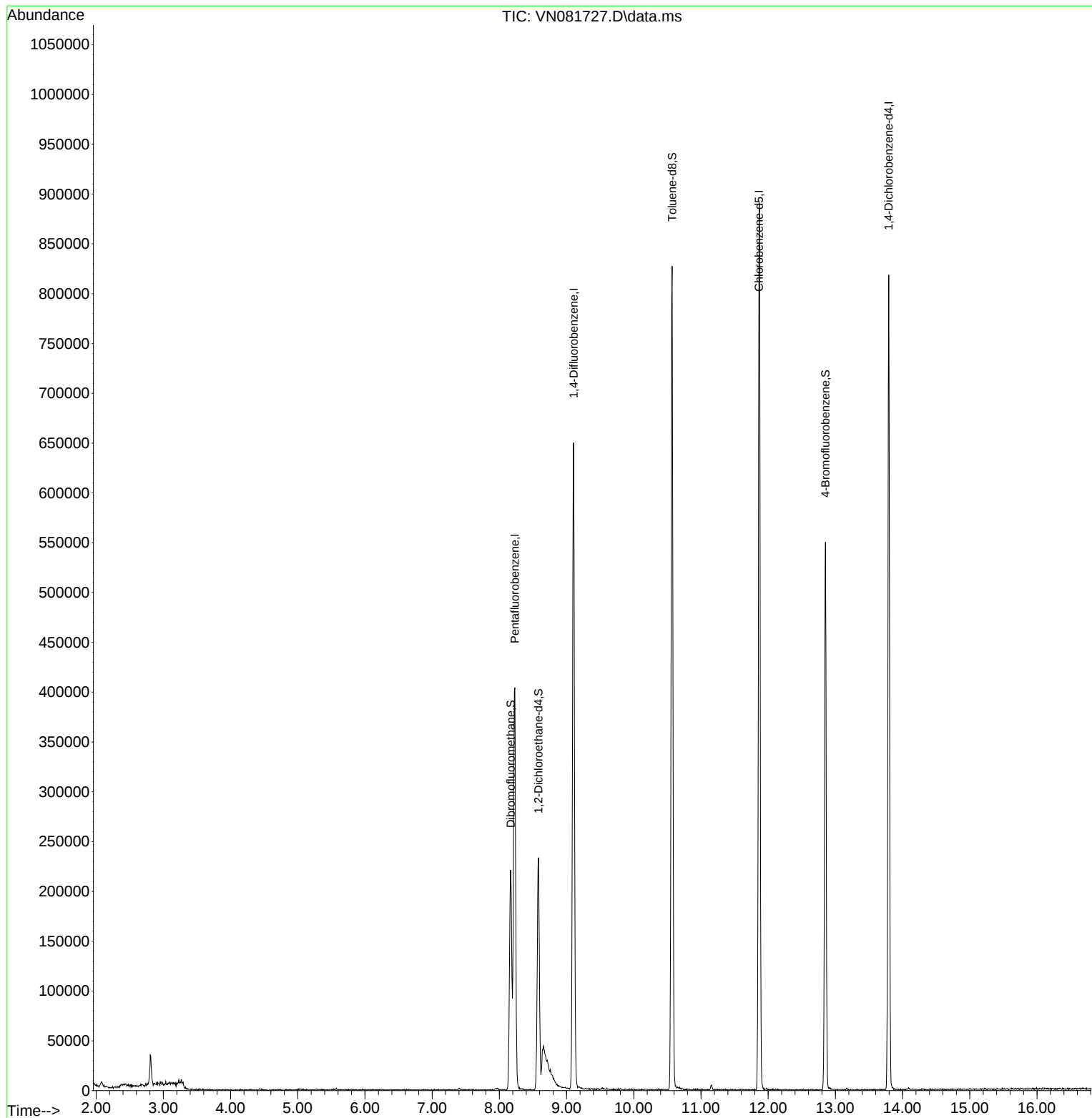
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

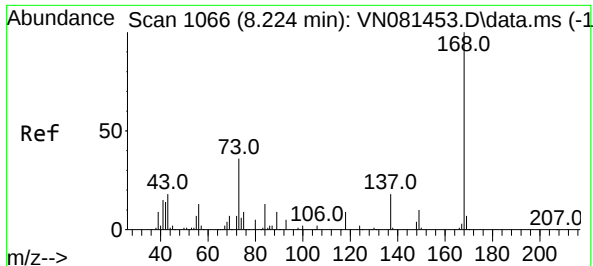
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 19 06:00:00 2024  
Response via : Initial Calibration

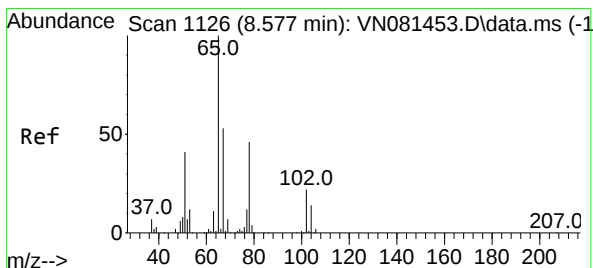
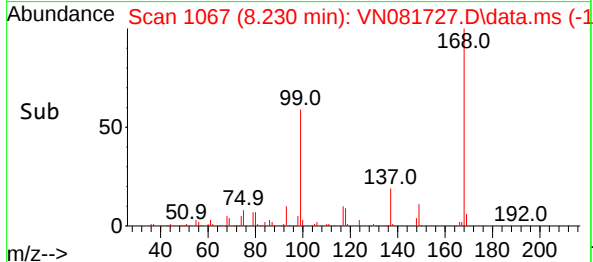
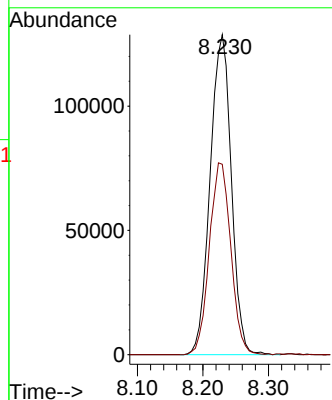
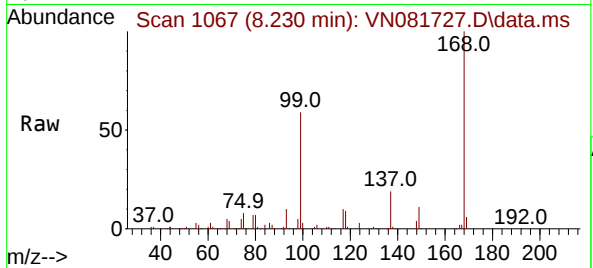




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 110  
Delta R.T. 0.006 min  
Lab File: VN081727.D  
Acq: 12 Apr 2024 18:55

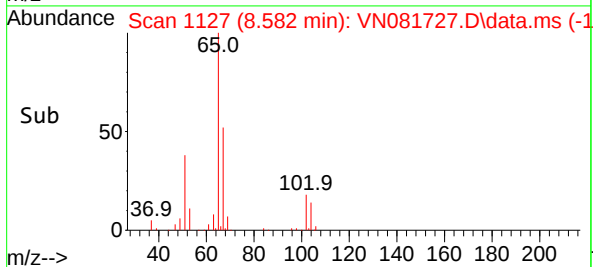
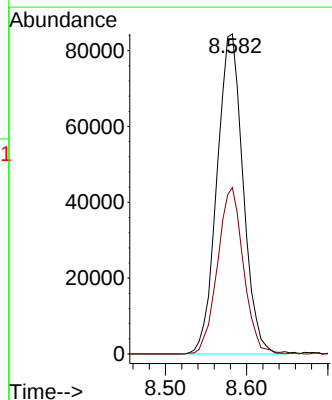
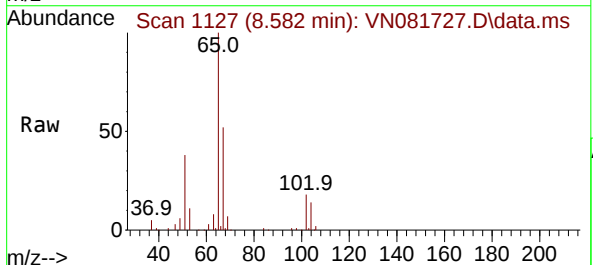
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410059-03-TRIP-BLANK

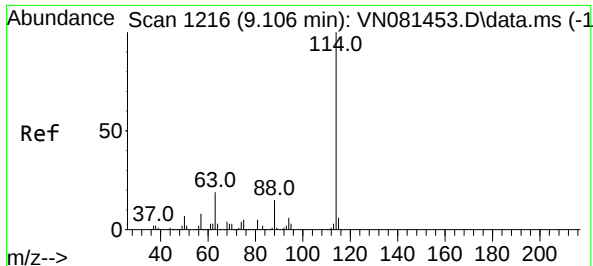
Tgt Ion:168 Resp: 288743  
Ion Ratio Lower Upper  
168 100  
99 59.5 59.9 89.9#



#33  
1,2-Dichloroethane-d4  
Concen: 51.225 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081727.D  
Acq: 12 Apr 2024 18:55

Tgt Ion: 65 Resp: 188624  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 102.4

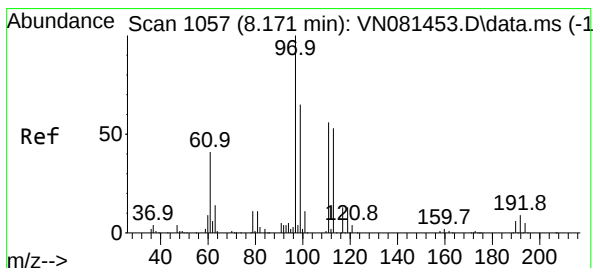
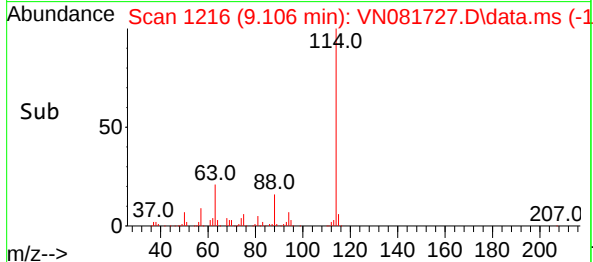
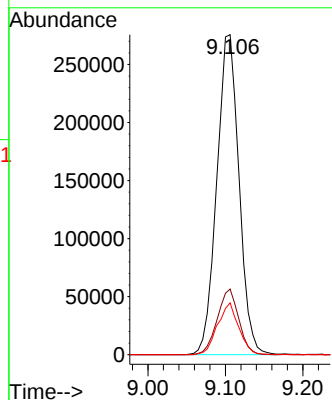
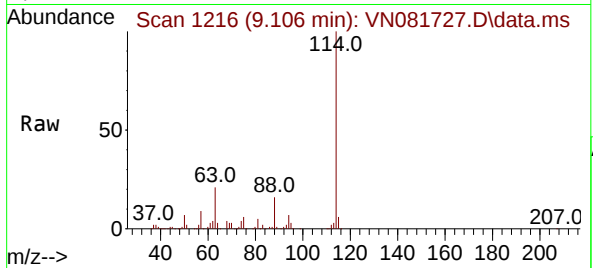




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN081727.D  
Acq: 12 Apr 2024 18:55

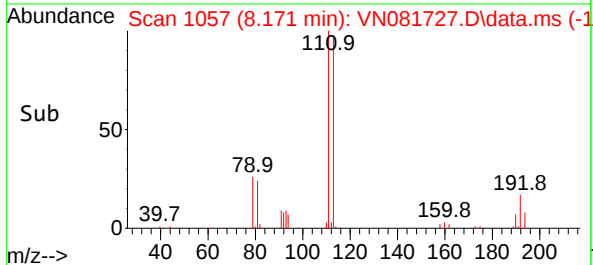
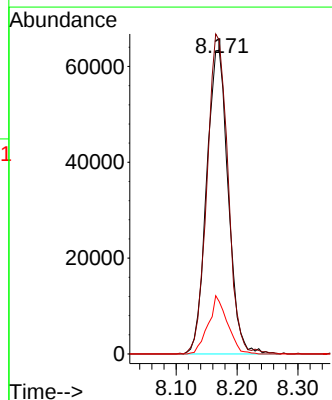
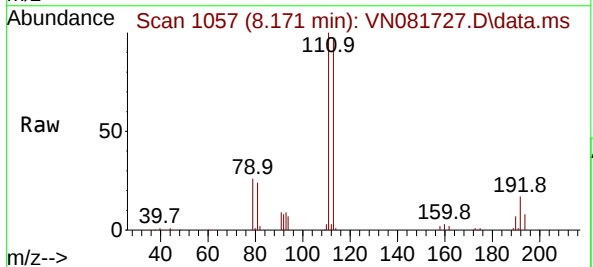
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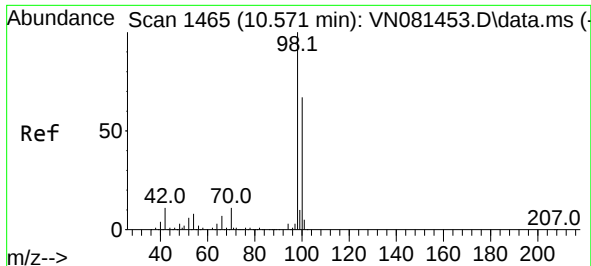
Tgt Ion:114 Resp: 549791  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 48.0  
88 16.2 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 45.067 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VN081727.D  
Acq: 12 Apr 2024 18:55

Tgt Ion:113 Resp: 156370  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.2 123.4  
192 17.0 12.5 18.7

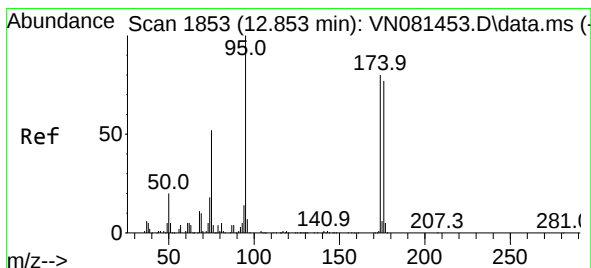
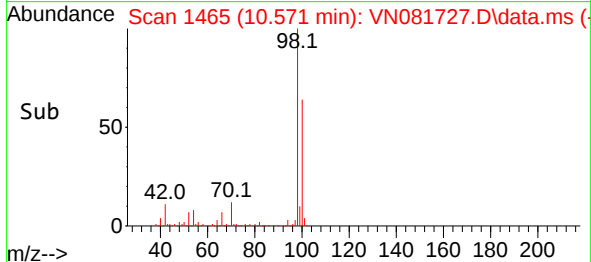
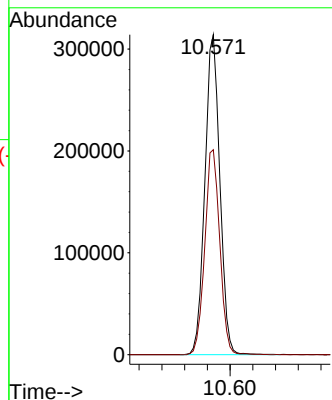
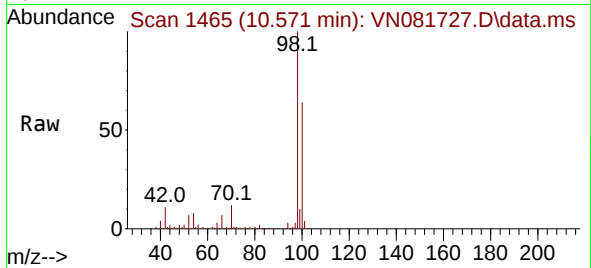




#50  
Toluene-d8  
Concen: 45.685 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN081727.D  
Acq: 12 Apr 2024 18:55

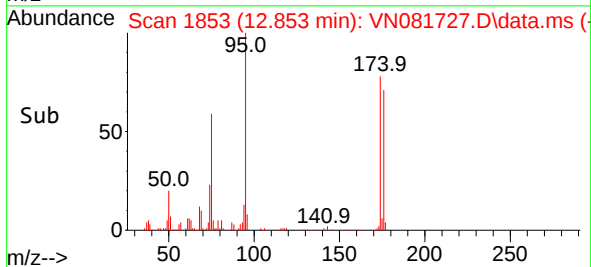
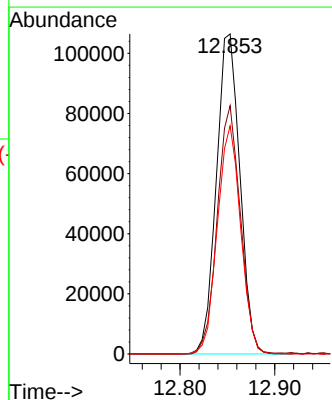
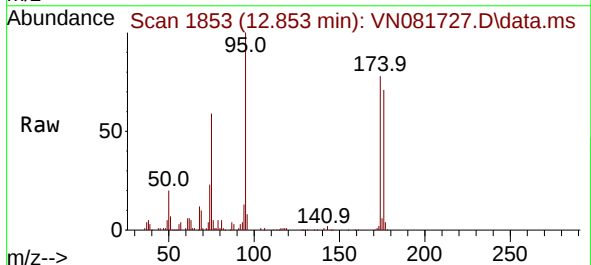
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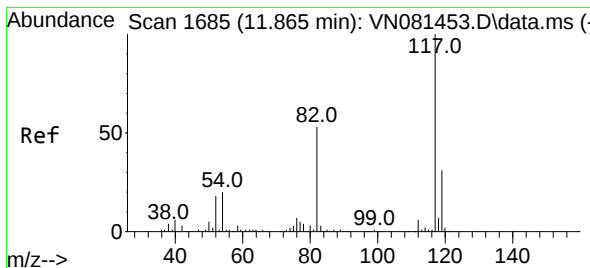
Tgt Ion: 98 Resp: 573015  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 41.502 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN081727.D  
Acq: 12 Apr 2024 18:55

Tgt Ion: 95 Resp: 183419  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 120.4  
176 70.9 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081727.D

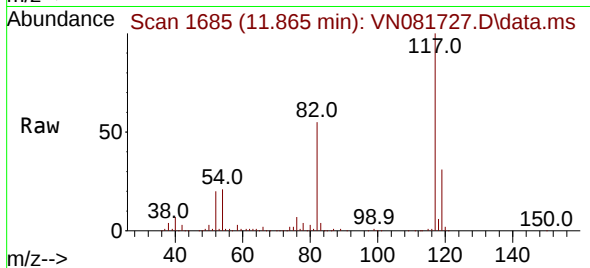
Acq: 12 Apr 2024 18:55

Instrument :

MSVOA\_N

ClientSampleId :

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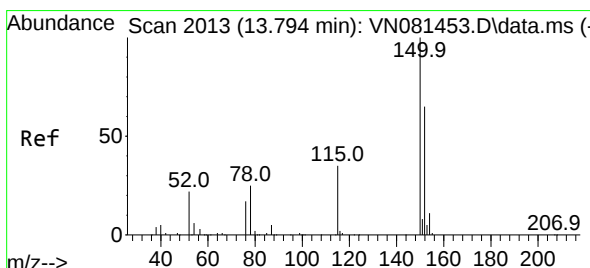
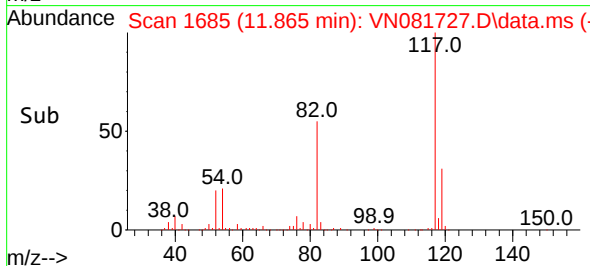
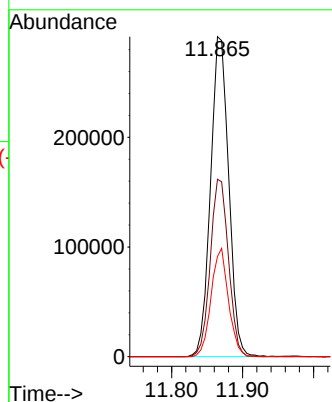
Tgt Ion:117 Resp: 518254

Ion Ratio Lower Upper

117 100

82 55.4 52.7 79.1

119 31.3 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081727.D

Acq: 12 Apr 2024 18:55

Tgt Ion:152 Resp: 207501

Ion Ratio Lower Upper

152 100

115 62.4 32.3 96.8

150 159.4 0.0 339.8

