

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011723\  
 Data File : VN076282.D  
 Acq On : 17 Jan 2023 17:55  
 Operator : JC\MD  
 Sample : 01190-15  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-1-17-23

Quant Time: Jan 18 00:56:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 331727   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 535770   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 455494   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 179530   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 180466   | 48.587   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 97.180% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 158862   | 47.401   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 94.800% |
| 50) Toluene-d8              | 10.571 | 98    | 608159   | 49.135   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.260% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 182163   | 45.083   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 90.160% |

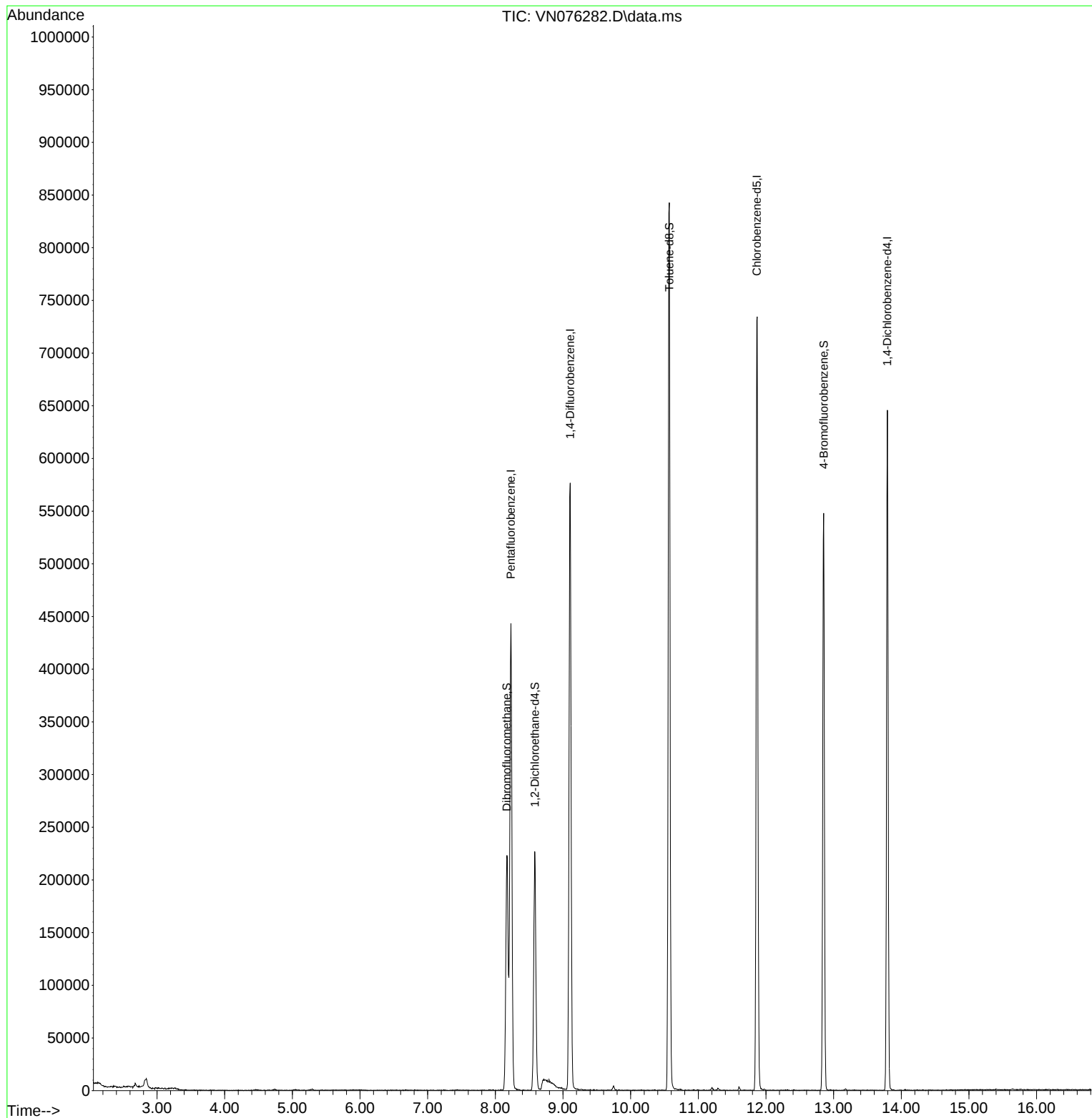
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

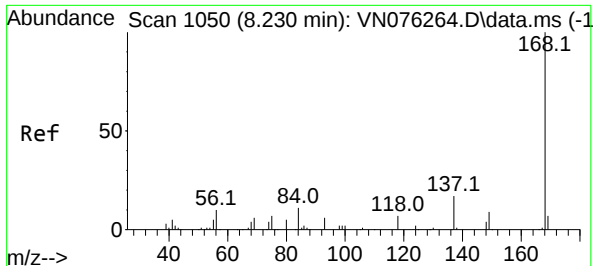
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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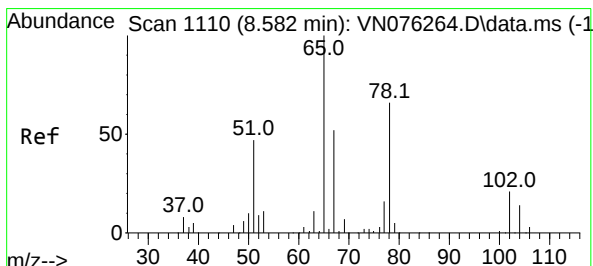
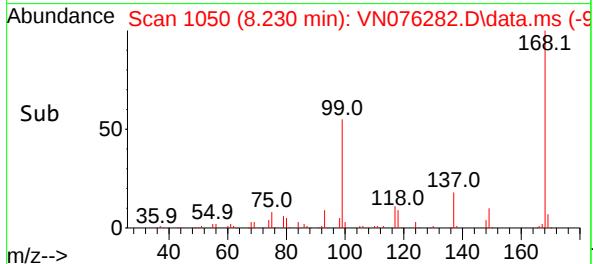
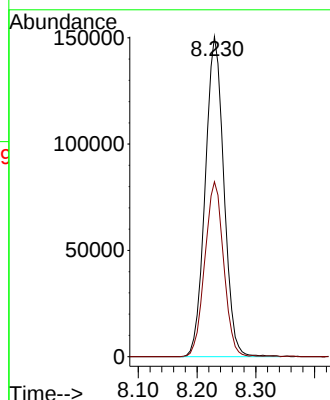
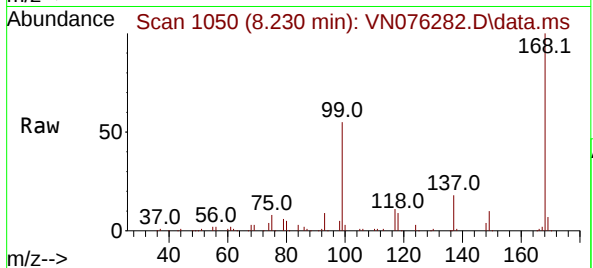




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN076282.D  
Acq: 17 Jan 2023 17:55

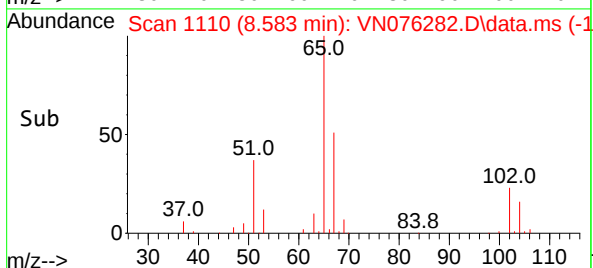
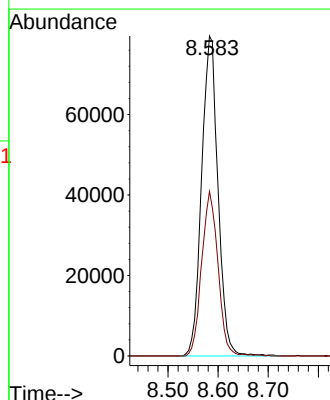
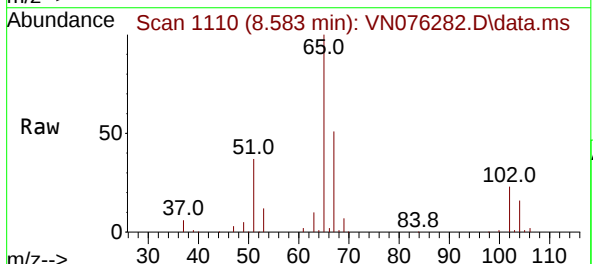
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-1-17-23

Tgt Ion:168 Resp: 331727  
Ion Ratio Lower Upper  
168 100  
99 54.6 41.6 62.4



#33  
1,2-Dichloroethane-d4  
Concen: 48.587 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. 0.001 min  
Lab File: VN076282.D  
Acq: 17 Jan 2023 17:55

Tgt Ion: 65 Resp: 180466  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 104.6

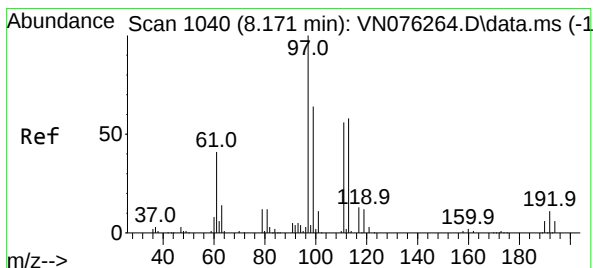
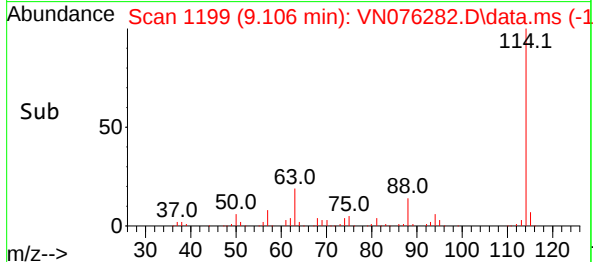
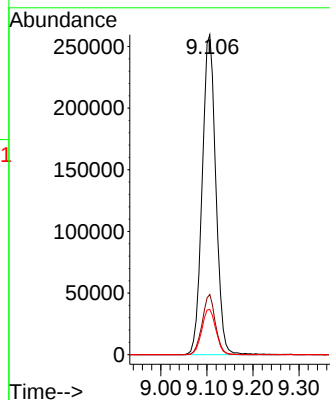
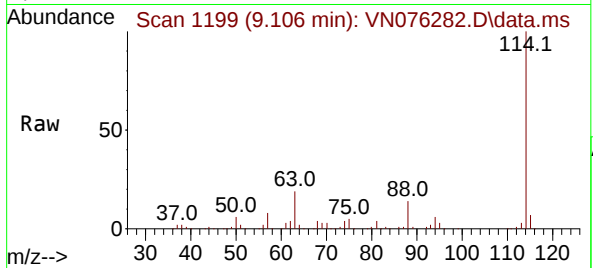




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1199  
Delta R.T. 0.000 min  
Lab File: VN076282.D  
Acq: 17 Jan 2023 17:55

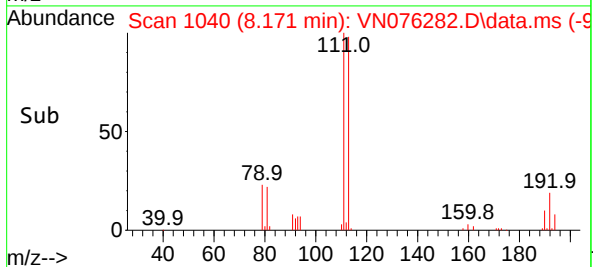
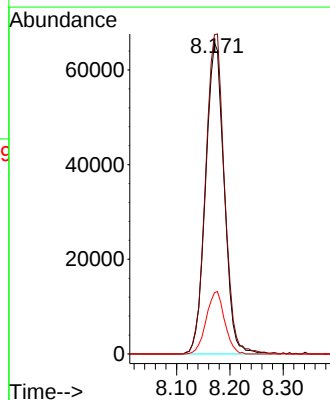
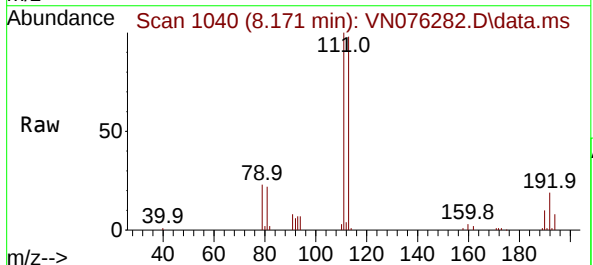
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-1-17-23

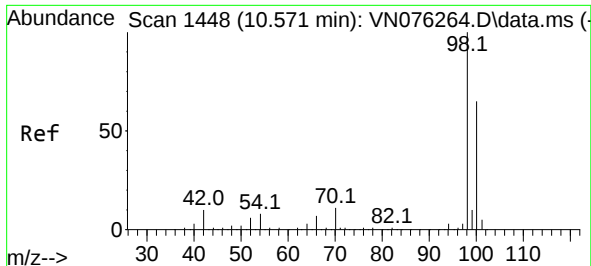
Tgt Ion:114 Resp: 535770  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 35.8  
88 14.2 0.0 28.0



#35  
Dibromofluoromethane  
Concen: 47.401 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VN076282.D  
Acq: 17 Jan 2023 17:55

Tgt Ion:113 Resp: 158862  
Ion Ratio Lower Upper  
113 100  
111 105.0 82.7 124.1  
192 19.9 15.6 23.4

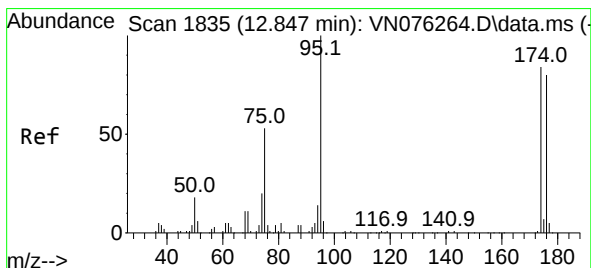
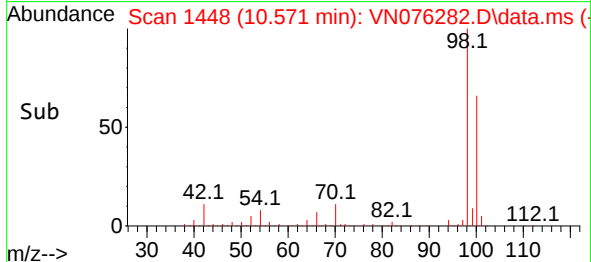
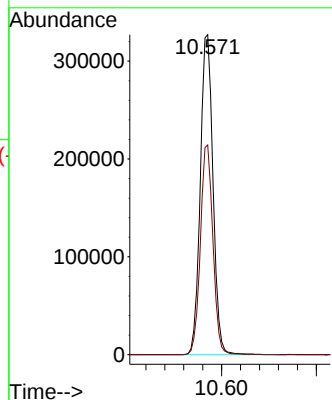
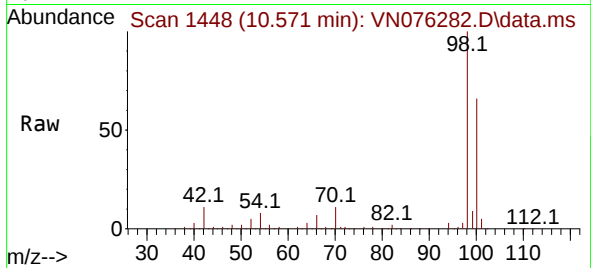




#50  
Toluene-d8  
Concen: 49.135 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN076282.D  
Acq: 17 Jan 2023 17:55

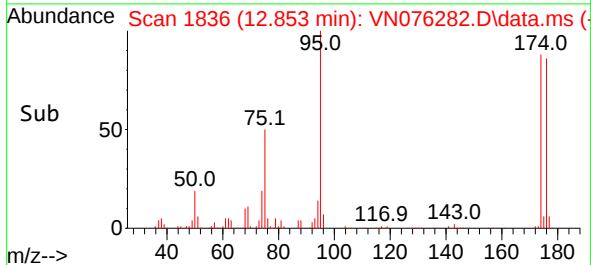
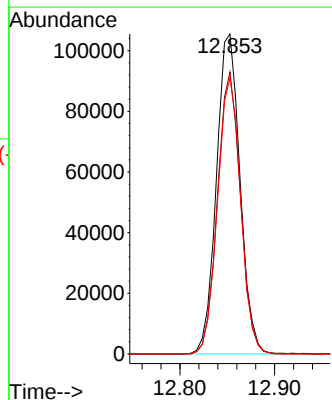
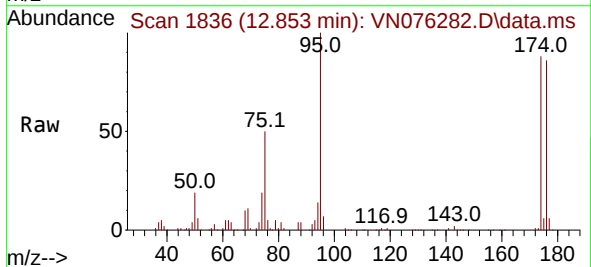
Instrument :  
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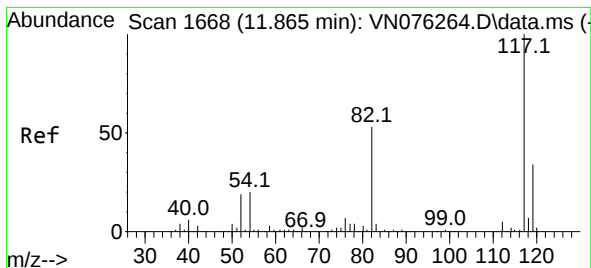
Tgt Ion: 98 Resp: 608159  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 45.083 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN076282.D  
Acq: 17 Jan 2023 17:55

Tgt Ion: 95 Resp: 182163  
Ion Ratio Lower Upper  
95 100  
174 86.3 0.0 174.6  
176 84.5 0.0 167.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076282.D

Acq: 17 Jan 2023 17:55

Instrument :

MSVOA\_N

ClientSampleId :

TB-1-17-23

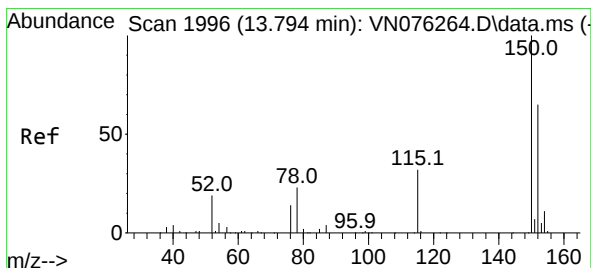
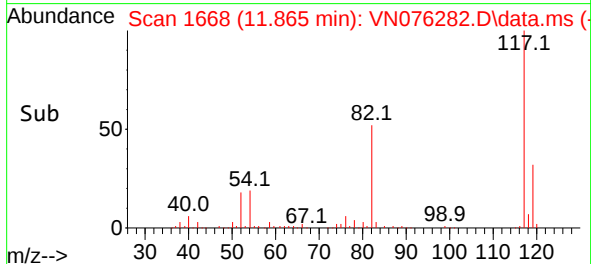
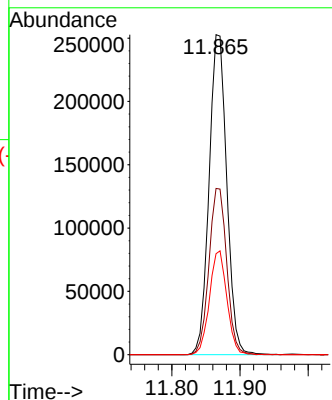
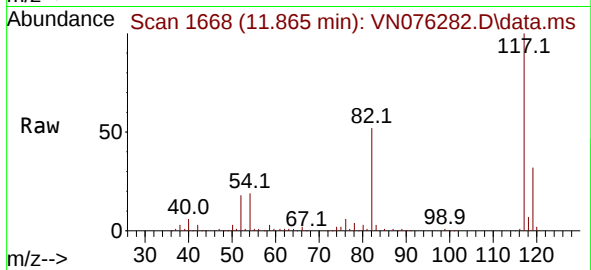
Tgt Ion:117 Resp: 455494

Ion Ratio Lower Upper

117 100

82 52.0 42.2 63.2

119 31.5 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076282.D

Acq: 17 Jan 2023 17:55

Tgt Ion:152 Resp: 179530

Ion Ratio Lower Upper

152 100

115 57.6 29.6 88.9

150 156.9 0.0 351.4

