

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011823\  
 Data File : VN076306.D  
 Acq On : 18 Jan 2023 19:55  
 Operator : JC\MD  
 Sample : 01190-10  
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PE-9

Quant Time: Jan 19 00:55:16 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      | 8.224  | 168  | 477315   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 741004   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 596740   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 240721   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 244635   | 45.774   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 91.540% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 212089   | 45.755   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 91.520% |
| 50) Toluene-d8              | 10.565 | 98    | 830175   | 48.495   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 97.000% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 241990   | 43.302   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 86.600% |

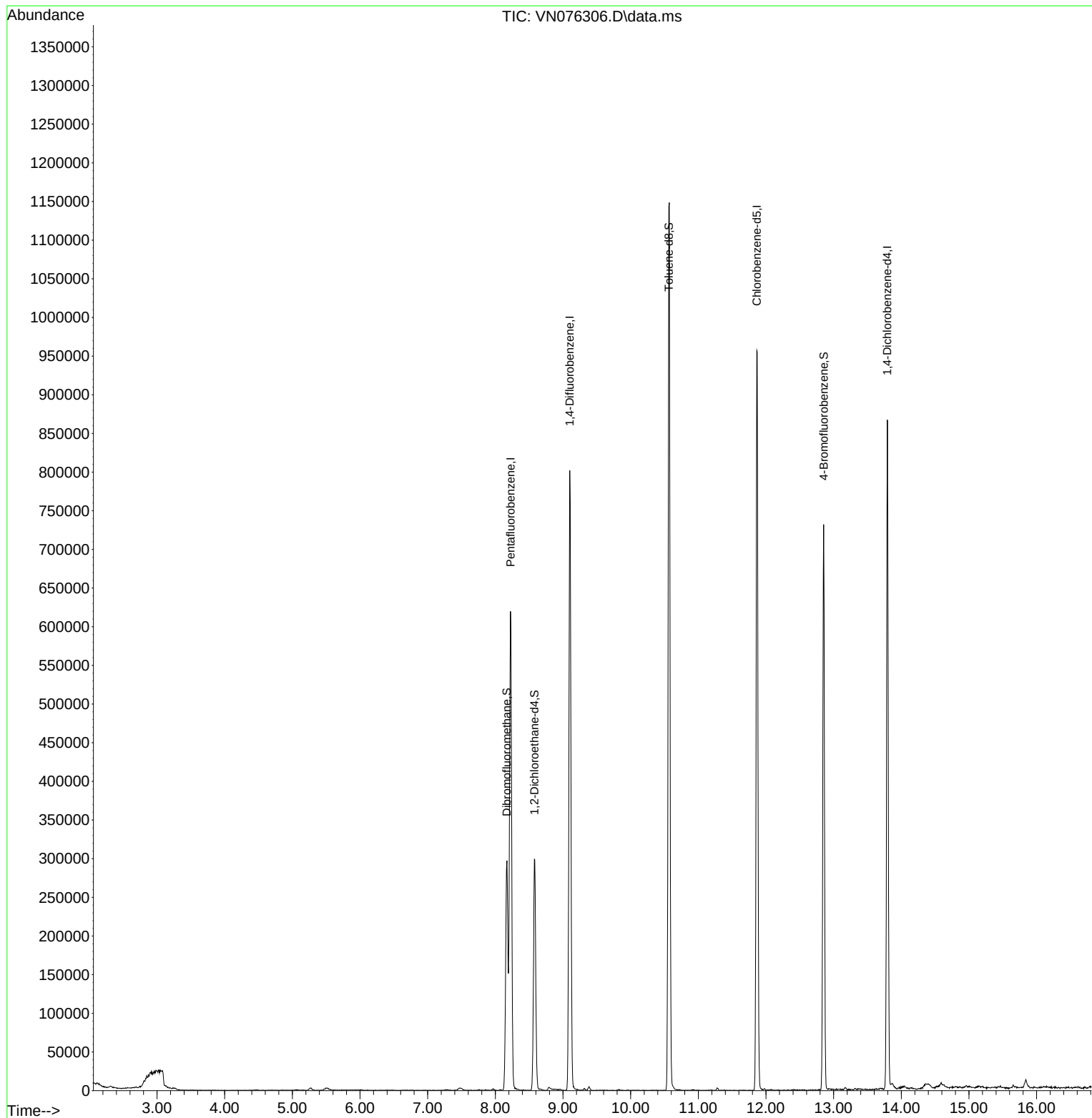
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

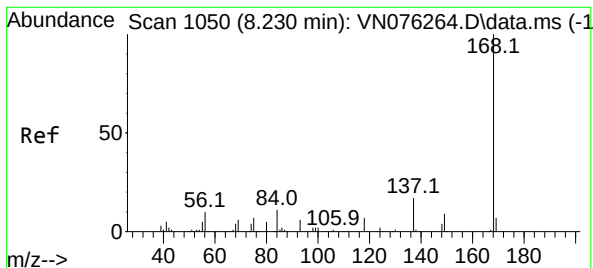
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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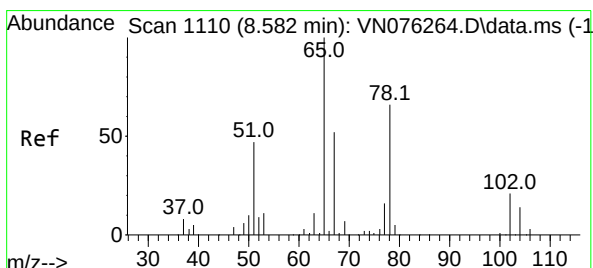
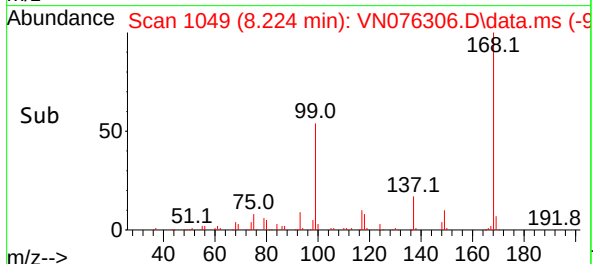
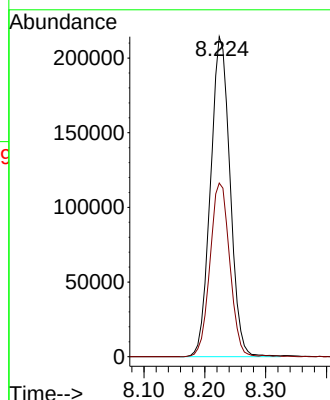
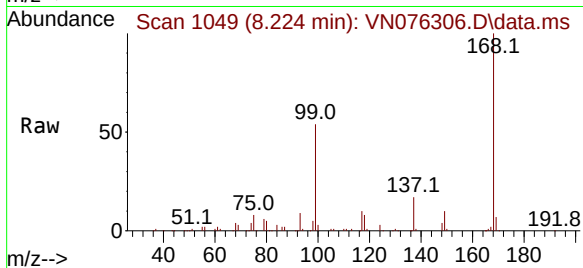




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1109  
Delta R.T. -0.006 min  
Lab File: VN076306.D  
Acq: 18 Jan 2023 19:55

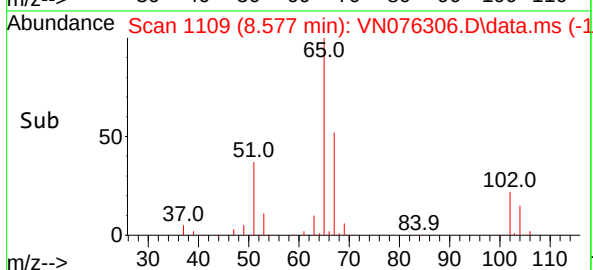
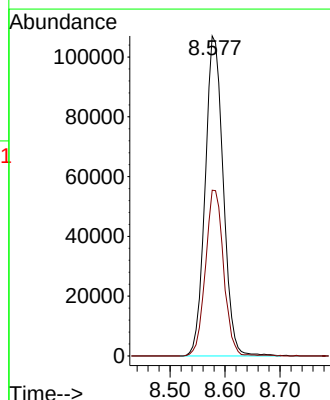
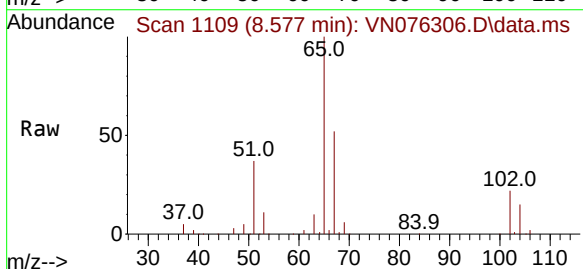
Instrument :  
MSVOA\_N  
ClientSampleId :  
PE-9

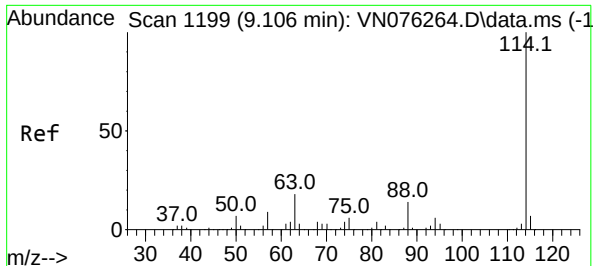
Tgt Ion:168 Resp: 477315  
Ion Ratio Lower Upper  
168 100  
99 54.3 41.6 62.4



#33  
1,2-Dichloroethane-d4  
Concen: 45.774 ug/l  
RT: 8.577 min Scan# 1109  
Delta R.T. -0.005 min  
Lab File: VN076306.D  
Acq: 18 Jan 2023 19:55

Tgt Ion: 65 Resp: 244635  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VN076306.D

Acq: 18 Jan 2023 19:55

Instrument :

MSVOA\_N

ClientSampleId :

PE-9

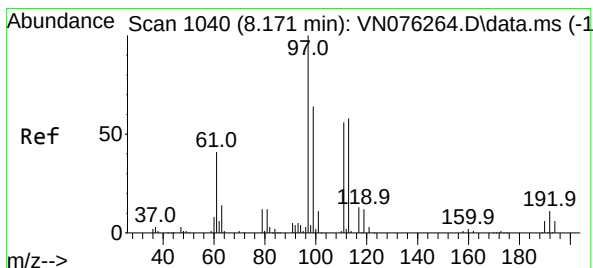
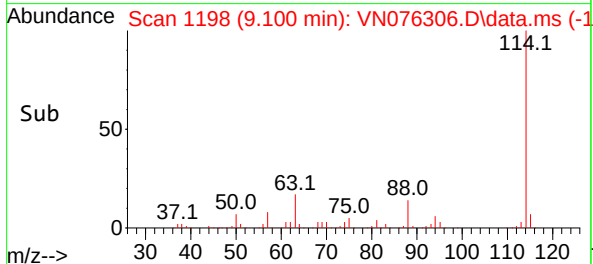
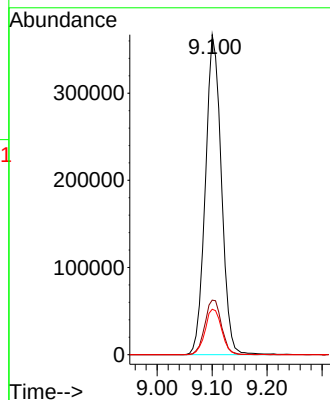
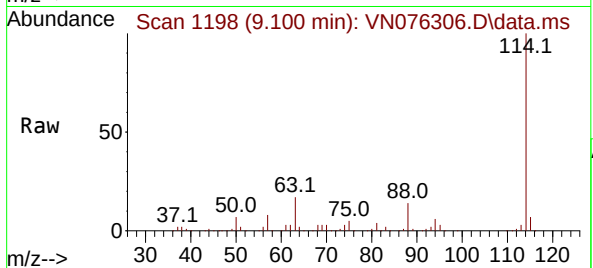
Tgt Ion:114 Resp: 741004

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.8

88 14.2 0.0 28.0



#35

Dibromofluoromethane

Concen: 45.755 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076306.D

Acq: 18 Jan 2023 19:55

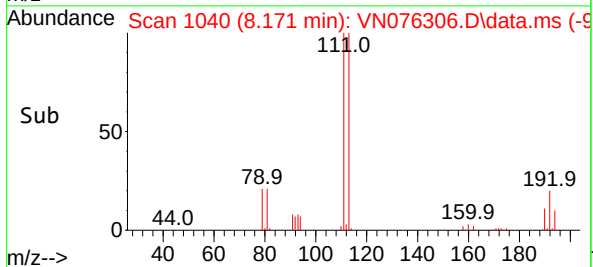
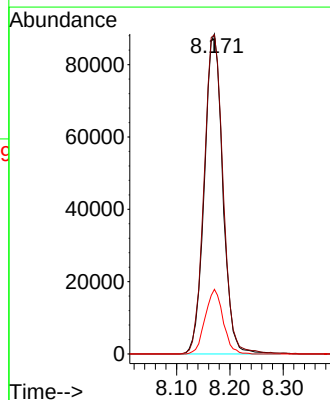
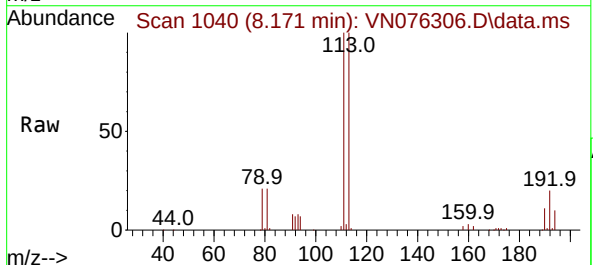
Tgt Ion:113 Resp: 212089

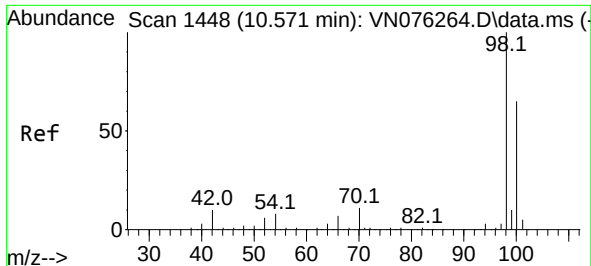
Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

192 19.7 15.6 23.4

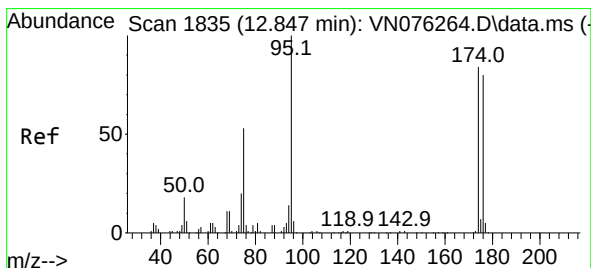
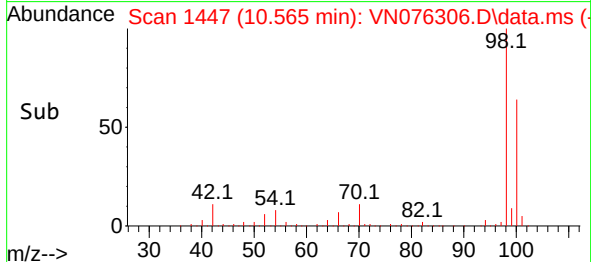
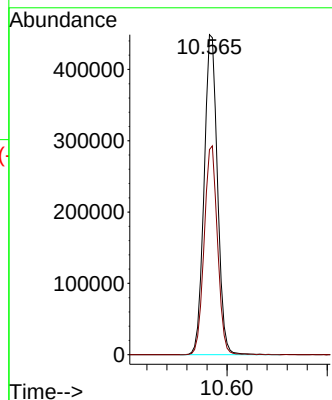
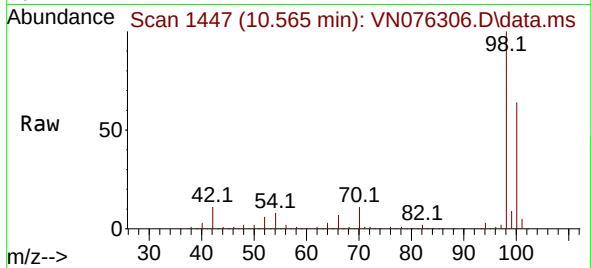




#50  
Toluene-d8  
Concen: 48.495 ug/l  
RT: 10.565 min Scan# 1447  
Delta R.T. -0.006 min  
Lab File: VN076306.D  
Acq: 18 Jan 2023 19:55

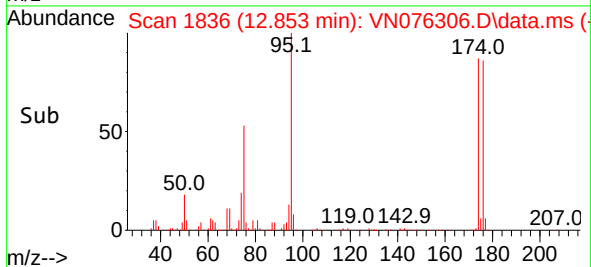
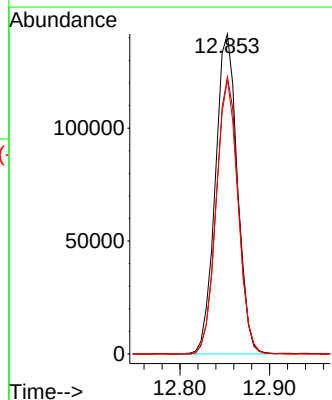
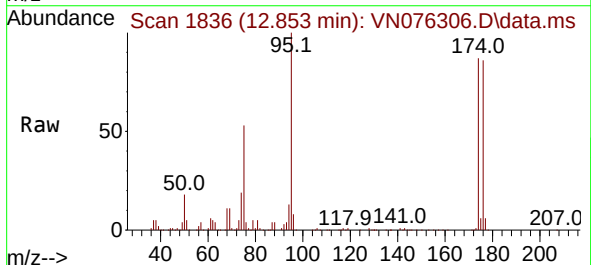
Instrument :  
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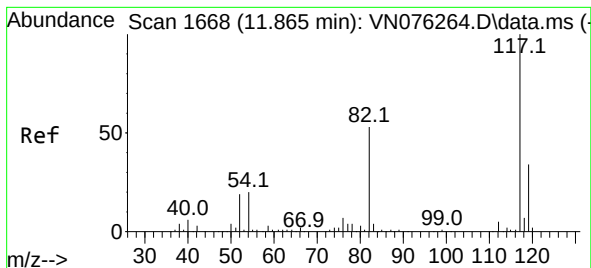
Tgt Ion: 98 Resp: 830175  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 43.302 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN076306.D  
Acq: 18 Jan 2023 19:55

Tgt Ion: 95 Resp: 241990  
Ion Ratio Lower Upper  
95 100  
174 86.2 0.0 174.6  
176 84.2 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: VN076306.D

Acq: 18 Jan 2023 19:55

Instrument :

MSVOA\_N

ClientSampleId :

PE-9

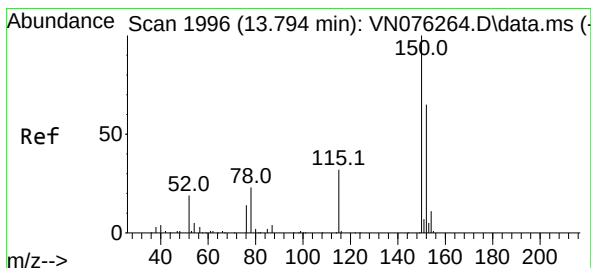
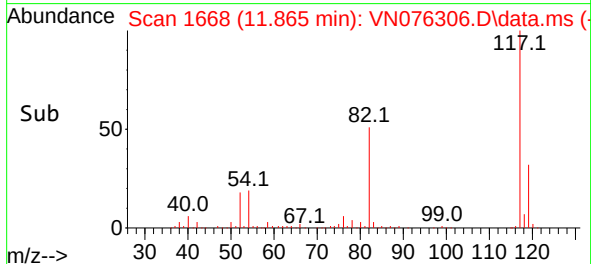
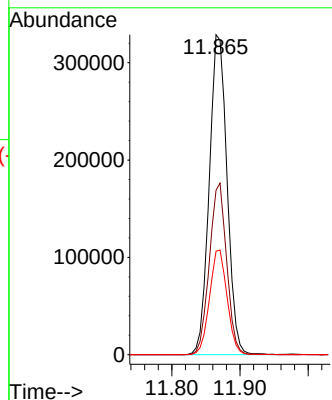
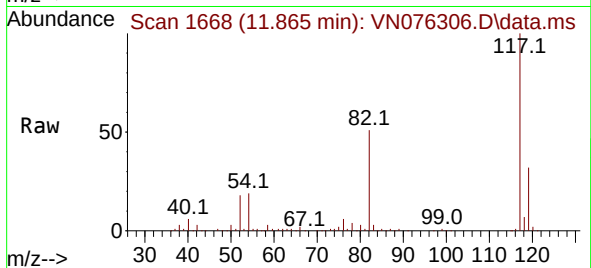
Tgt Ion:117 Resp: 596740

Ion Ratio Lower Upper

117 100

82 51.4 42.2 63.2

119 32.4 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: VN076306.D

Acq: 18 Jan 2023 19:55

Tgt Ion:152 Resp: 240721

Ion Ratio Lower Upper

152 100

115 57.9 29.6 88.9

150 157.8 0.0 351.4

