

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050124\  
 Data File : VN081951.D  
 Acq On : 01 May 2024 13:02  
 Operator : JC\MD  
 Sample : P2329-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-01-043024

Quant Time: May 02 01:34:00 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  | 218260   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 423872   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 368273   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 140960   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 159464   | 43.290   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 86.580%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 122607   | 48.042   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 96.080%  |
| 50) Toluene-d8              | 10.565 | 98    | 512245   | 51.106   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 102.220% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 172453   | 43.525   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 87.040%  |

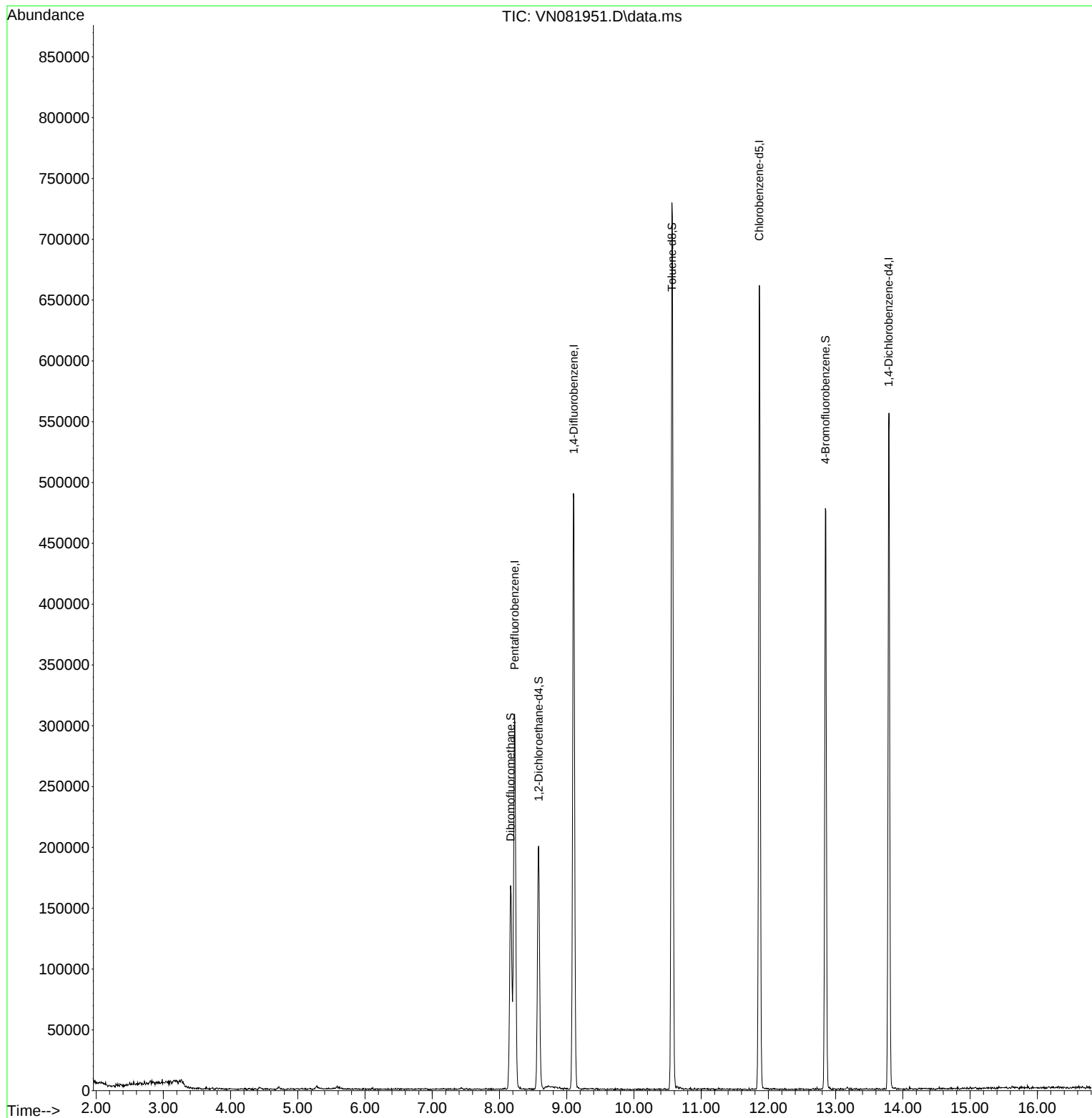
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

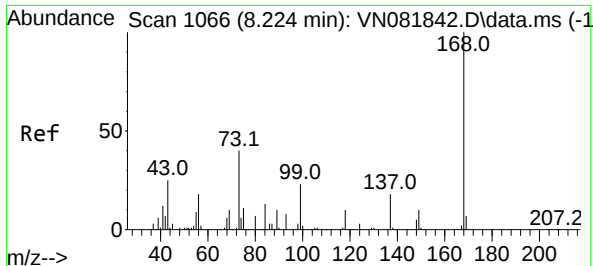
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-043024

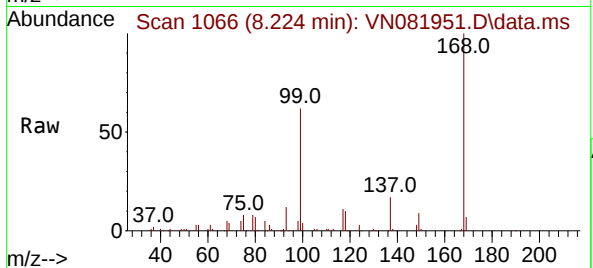
Quant Time: May 02 01:34:00 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 26 05:26:49 2024  
Response via : Initial Calibration



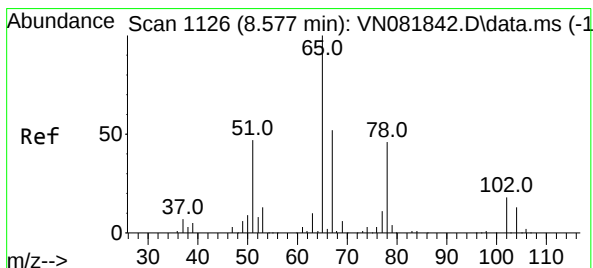
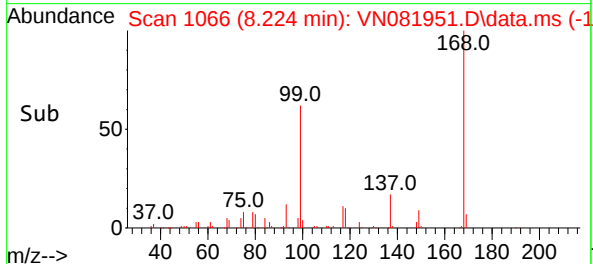
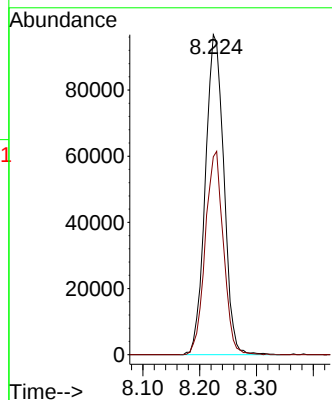


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN081951.D  
Acq: 01 May 2024 13:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-043024

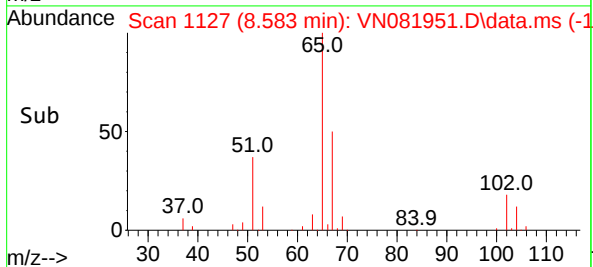
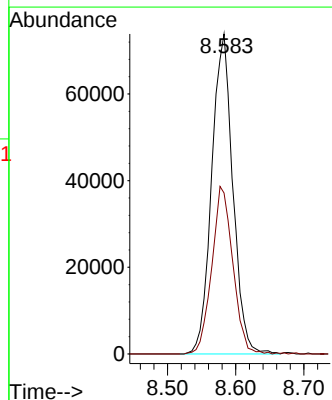
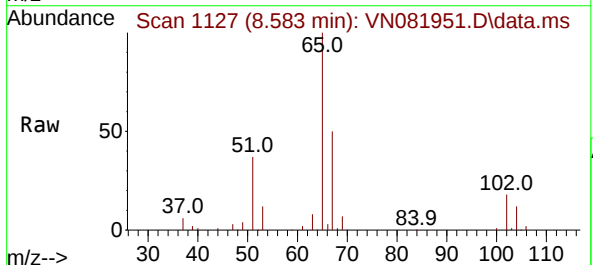


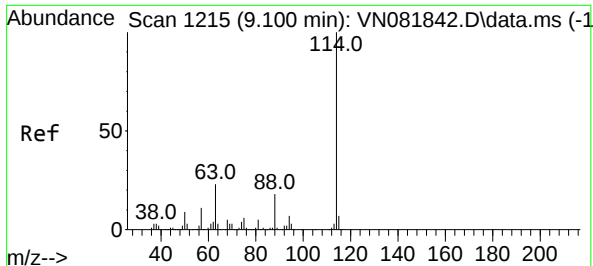
Tgt Ion:168 Resp: 218260  
Ion Ratio Lower Upper  
168 100  
99 61.9 48.2 72.4



#33  
1,2-Dichloroethane-d4  
Concen: 43.290 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081951.D  
Acq: 01 May 2024 13:02

Tgt Ion: 65 Resp: 159464  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081951.D

Acq: 01 May 2024 13:02

Instrument :

MSVOA\_N

ClientSampleId :

TB-01-043024

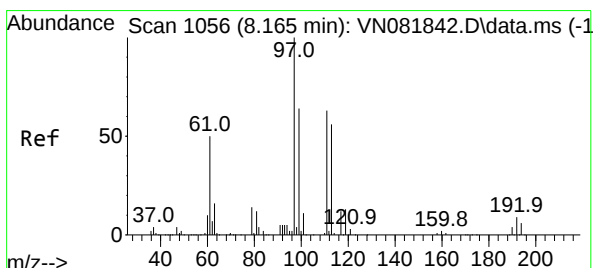
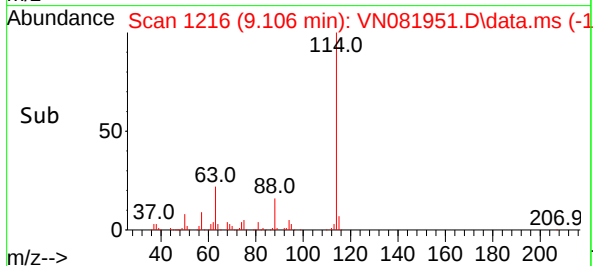
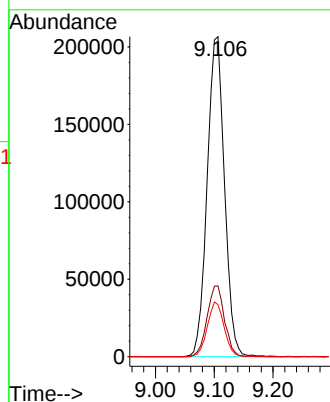
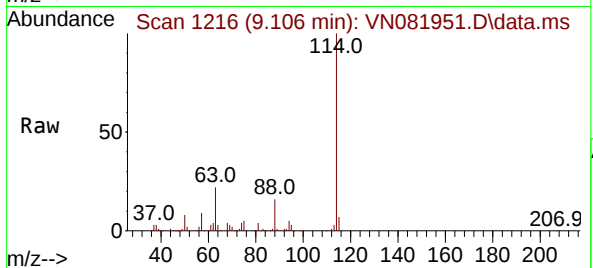
Tgt Ion:114 Resp: 423872

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.0

88 16.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.042 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN081951.D

Acq: 01 May 2024 13:02

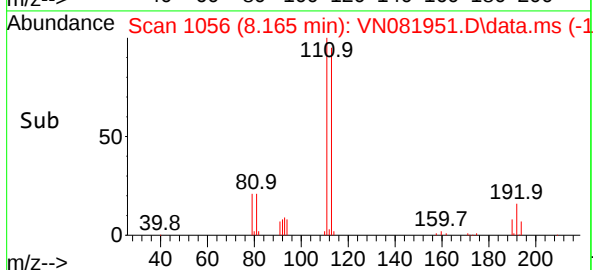
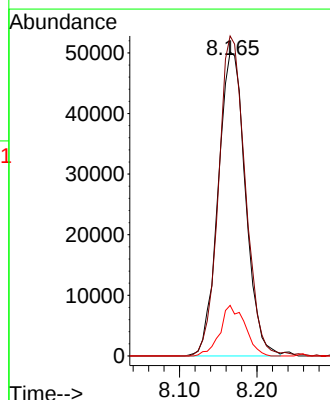
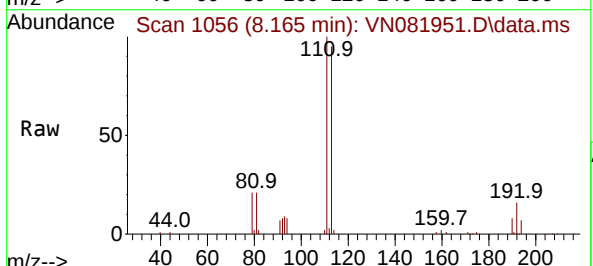
Tgt Ion:113 Resp: 122607

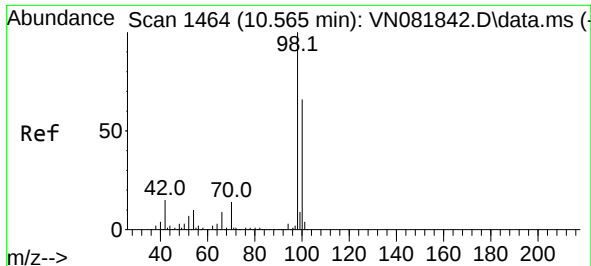
Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

192 15.3 14.0 21.0

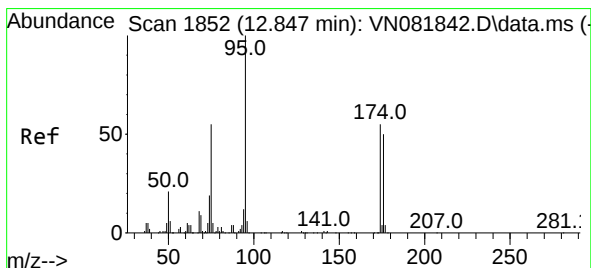
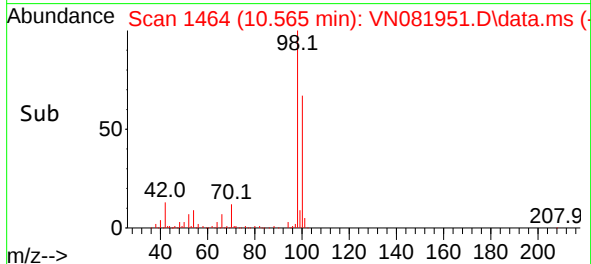
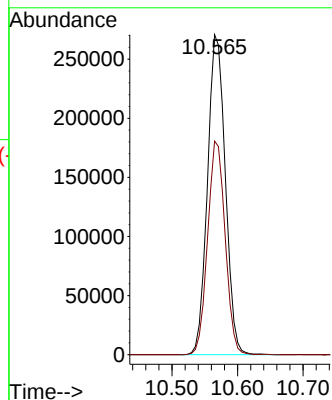
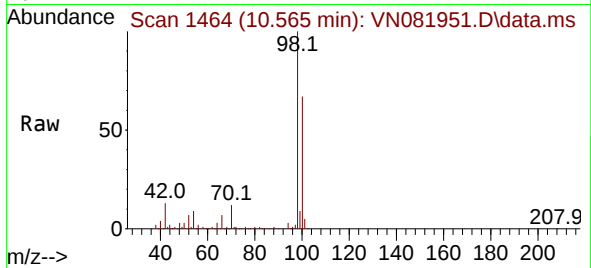




#50  
Toluene-d8  
Concen: 51.106 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN081951.D  
Acq: 01 May 2024 13:02

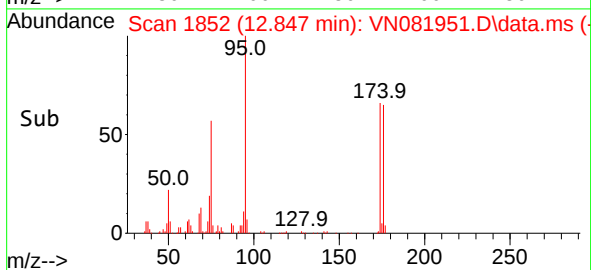
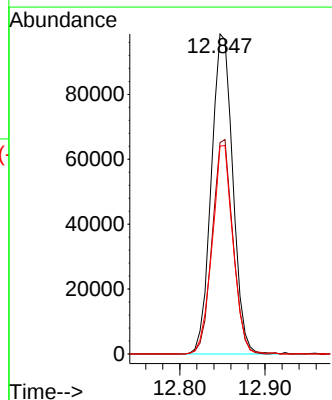
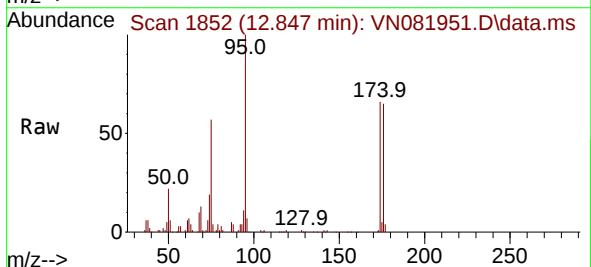
Instrument :  
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TB-01-043024

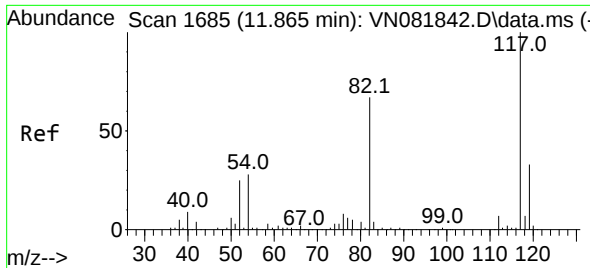
Tgt Ion: 98 Resp: 512245  
Ion Ratio Lower Upper  
98 100  
100 65.5 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 43.525 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN081951.D  
Acq: 01 May 2024 13:02

Tgt Ion: 95 Resp: 172453  
Ion Ratio Lower Upper  
95 100  
174 64.5 0.0 160.6  
176 63.3 0.0 152.8

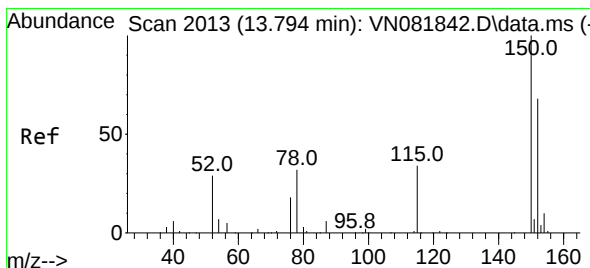
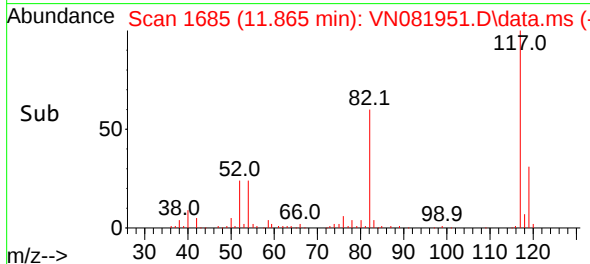
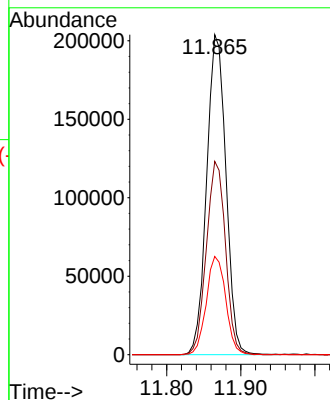
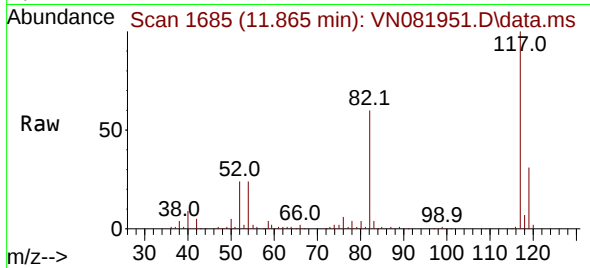




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN081951.D  
Acq: 01 May 2024 13:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-043024

Tgt Ion:117 Resp: 368273  
Ion Ratio Lower Upper  
117 100  
82 60.4 44.6 66.8  
119 30.7 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.006 min  
Lab File: VN081951.D  
Acq: 01 May 2024 13:02

Tgt Ion:152 Resp: 140960  
Ion Ratio Lower Upper  
152 100  
115 63.0 30.4 91.3  
150 156.5 0.0 353.2

