

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031224\  
 Data File : VN081369.D  
 Acq On : 12 Mar 2024 11:21  
 Operator : JC\MD  
 Sample : VN0312WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0312WBL01

Quant Time: Mar 13 04:49:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030524W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 06 03:12:57 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 332196   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 596612   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 508676   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 198832   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 244001   | 50.800   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 101.600% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 190143   | 52.019   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.040% |
| 50) Toluene-d8              | 10.571 | 98    | 713928   | 52.248   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 104.500% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 226383   | 46.876   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 93.760%  |

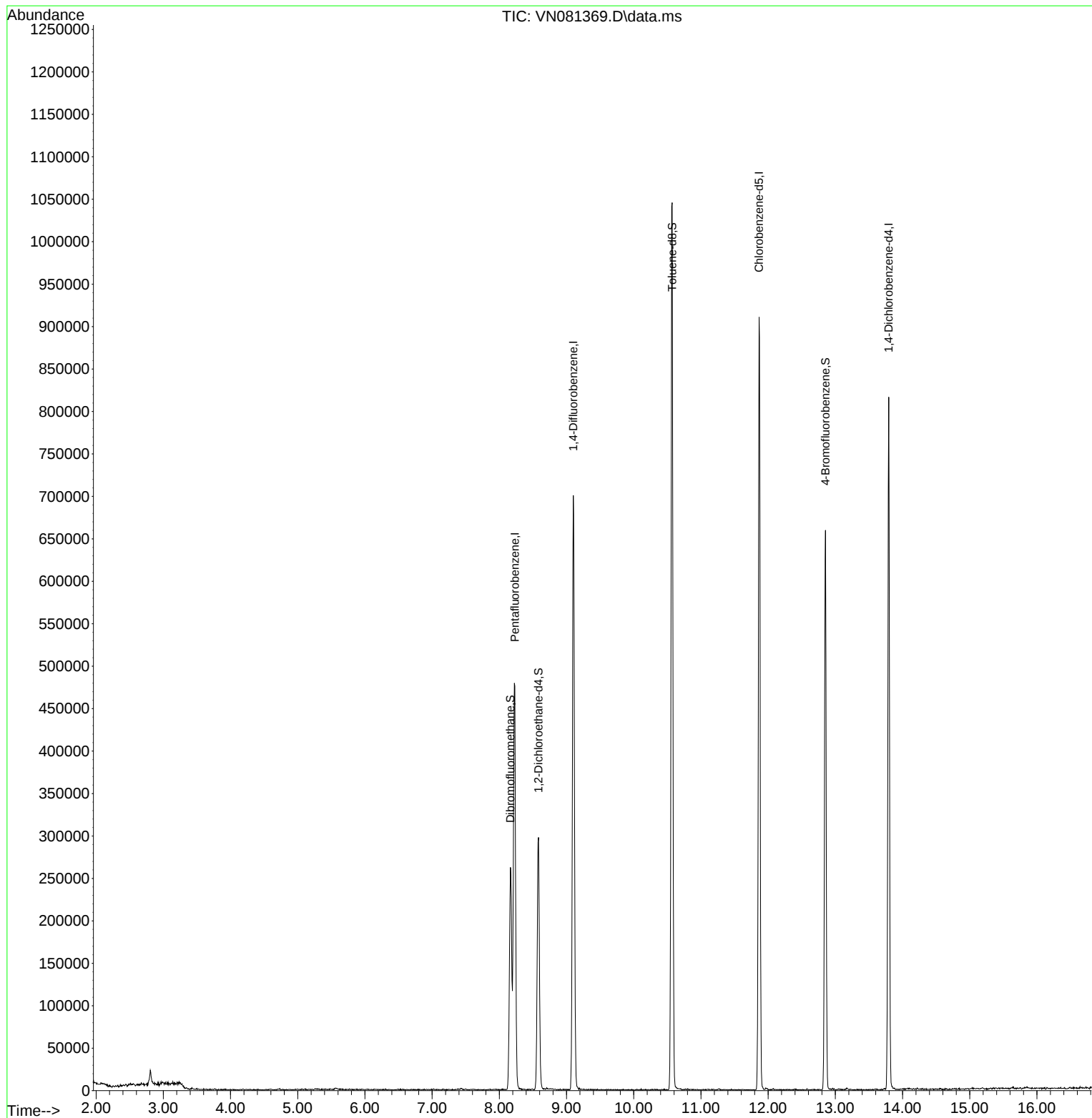
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

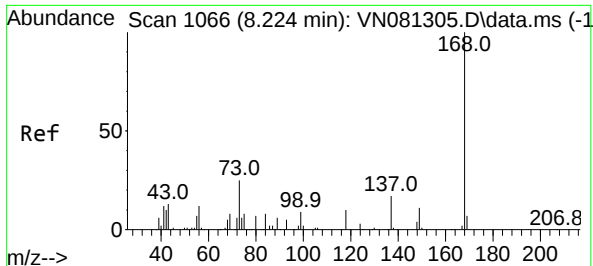
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Mar 06 03:12:57 2024  
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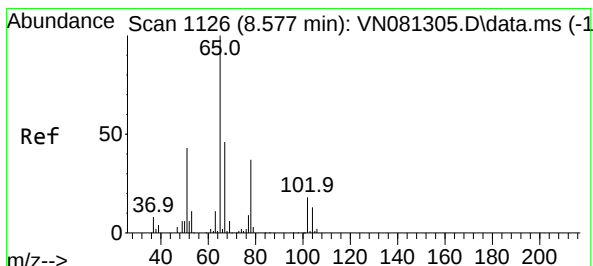
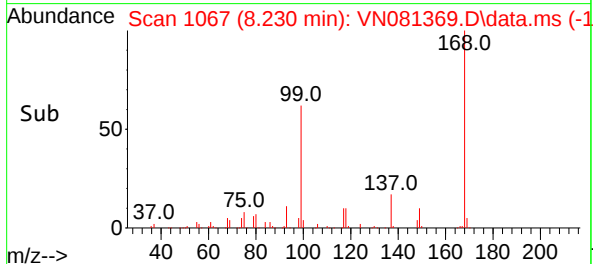
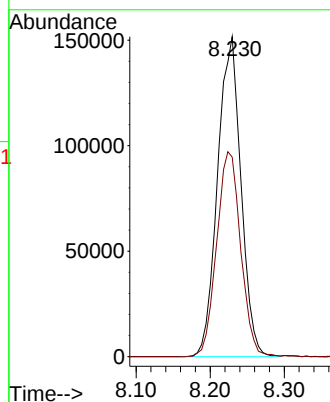
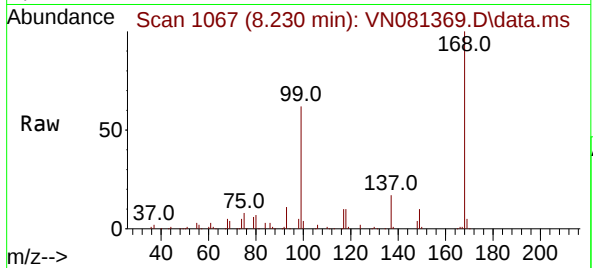




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN081369.D  
Acq: 12 Mar 2024 11:21

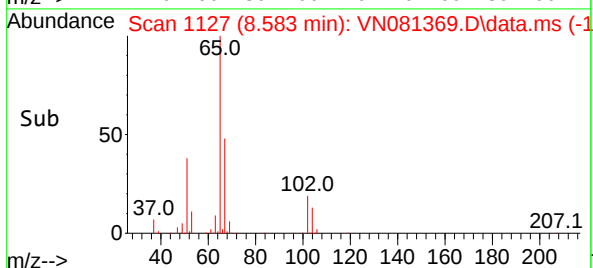
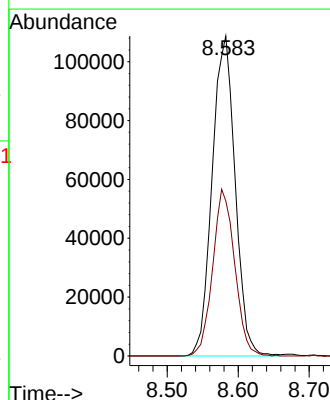
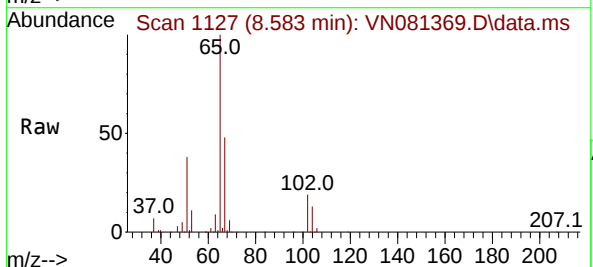
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0312WBL01

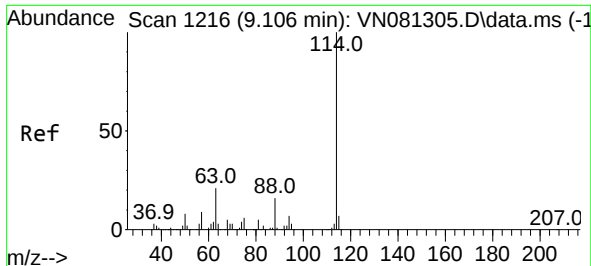
Tgt Ion:168 Resp: 332196  
Ion Ratio Lower Upper  
168 100  
99 62.3 59.9 89.9



#33  
1,2-Dichloroethane-d4  
Concen: 50.800 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081369.D  
Acq: 12 Mar 2024 11:21

Tgt Ion: 65 Resp: 244001  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081369.D

Acq: 12 Mar 2024 11:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0312WBL01

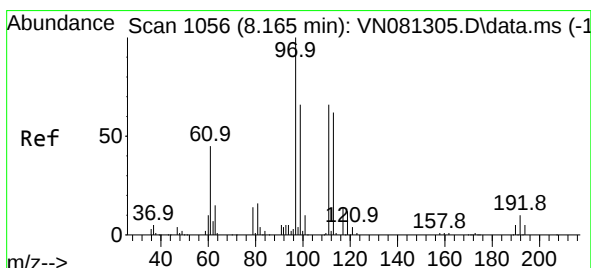
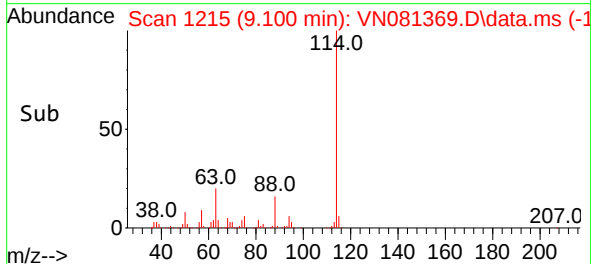
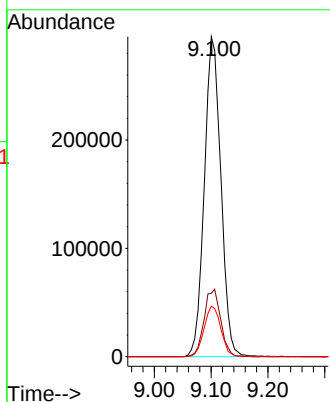
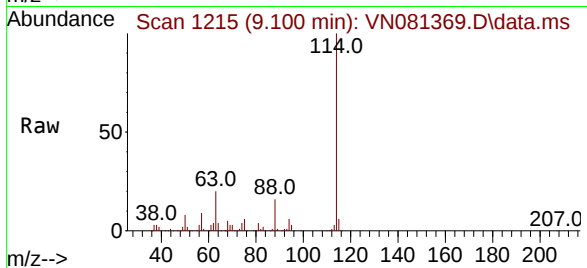
Tgt Ion:114 Resp: 596612

Ion Ratio Lower Upper

114 100

63 19.8 0.0 48.0

88 15.8 0.0 34.8



#35

Dibromofluoromethane

Concen: 52.019 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN081369.D

Acq: 12 Mar 2024 11:21

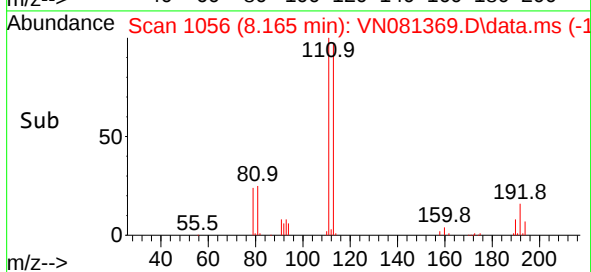
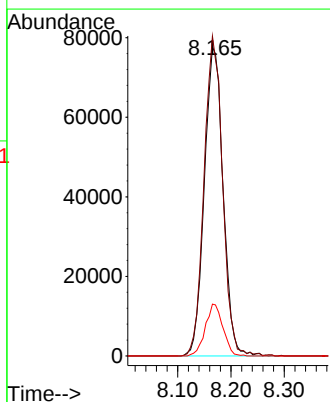
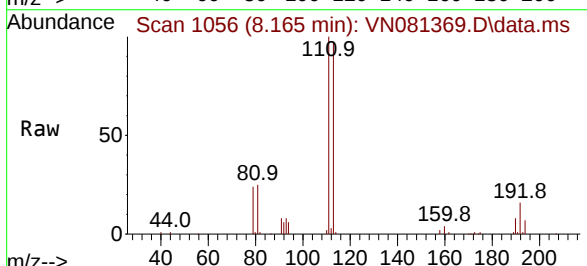
Tgt Ion:113 Resp: 190143

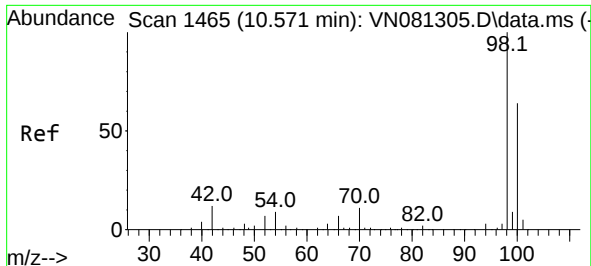
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

192 15.7 12.5 18.7

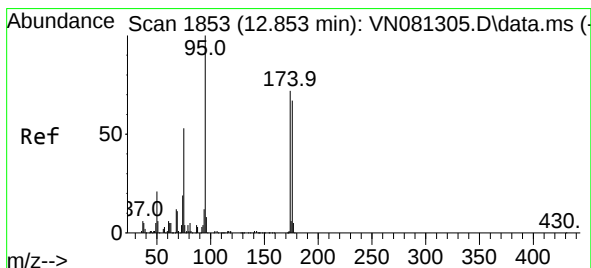
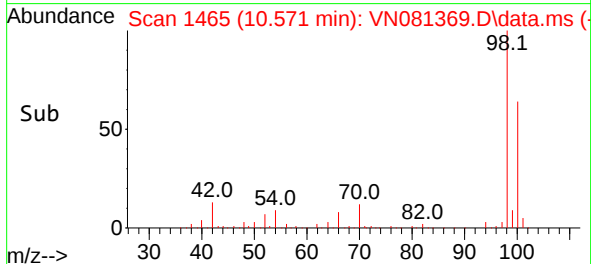
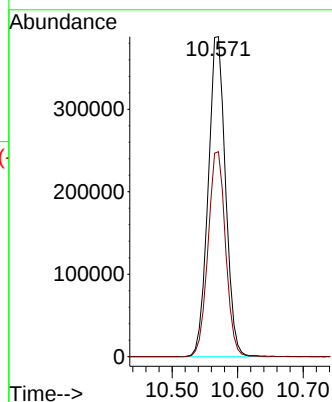
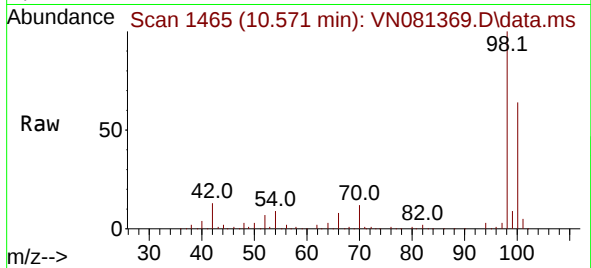




#50  
Toluene-d8  
Concen: 52.248 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN081369.D  
Acq: 12 Mar 2024 11:21

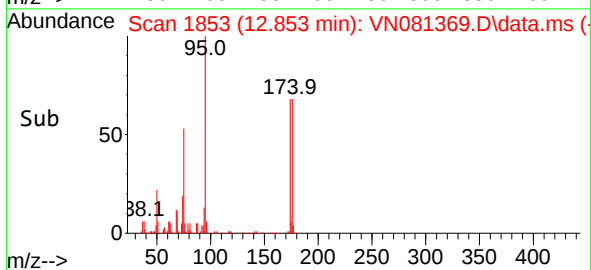
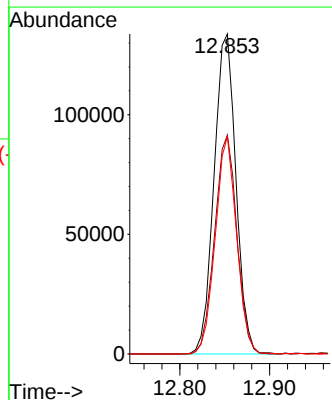
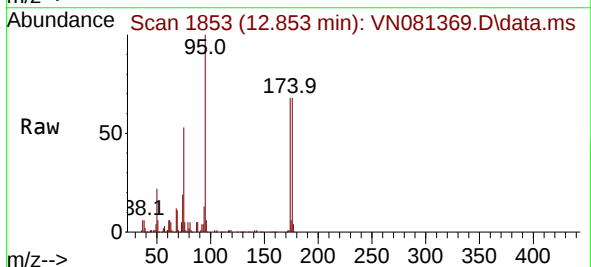
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0312WBL01

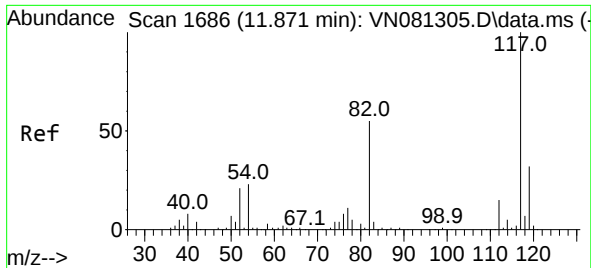
Tgt Ion: 98 Resp: 713928  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 46.876 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN081369.D  
Acq: 12 Mar 2024 11:21

Tgt Ion: 95 Resp: 226383  
Ion Ratio Lower Upper  
95 100  
174 69.5 0.0 120.4  
176 66.0 0.0 121.0

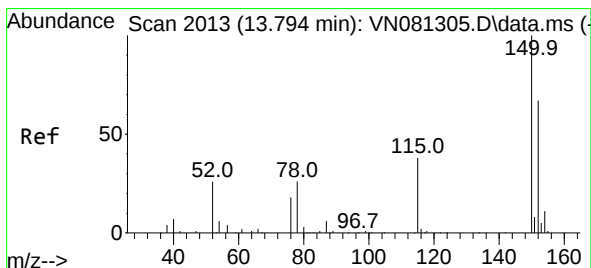
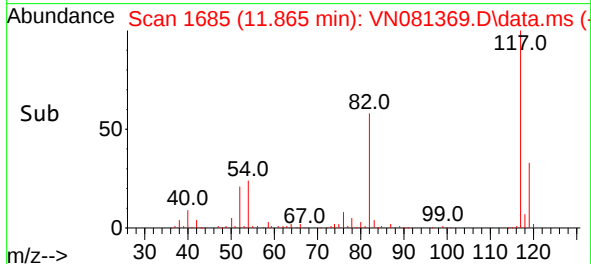
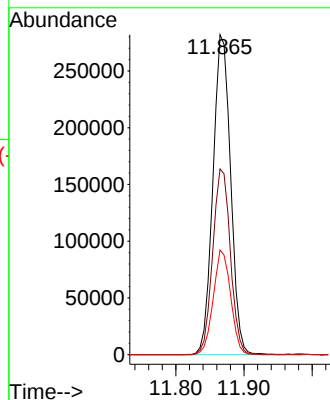
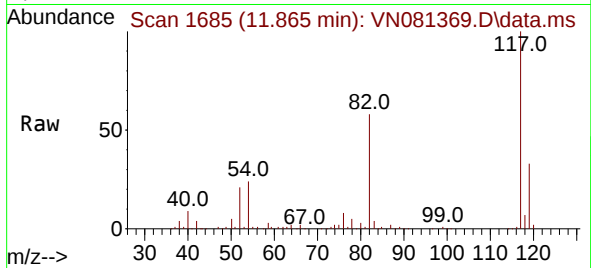




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN081369.D  
Acq: 12 Mar 2024 11:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0312WBL01

Tgt Ion:117 Resp: 508676  
Ion Ratio Lower Upper  
117 100  
82 58.1 52.7 79.1  
119 32.7 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: VN081369.D  
Acq: 12 Mar 2024 11:21

Tgt Ion:152 Resp: 198832  
Ion Ratio Lower Upper  
152 100  
115 64.6 32.3 96.8  
150 160.3 0.0 339.8

