

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090424\  
 Data File : VN083656.D  
 Acq On : 04 Sep 2024 17:54  
 Operator : JC\MD  
 Sample : P3804-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Storage-Blank-SAMPLE-MANAGEMENT

Quant Time: Sep 05 02:29:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 31 00:48:10 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 146194   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 296004   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 317704   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 152328   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 111815   | 54.725   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 109.460%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 89515    | 50.245   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 100.480%  |
| 50) Toluene-d8              | 10.565 | 98    | 329850   | 47.547   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 95.100%   |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 155905   | 60.662   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 121.320%# |

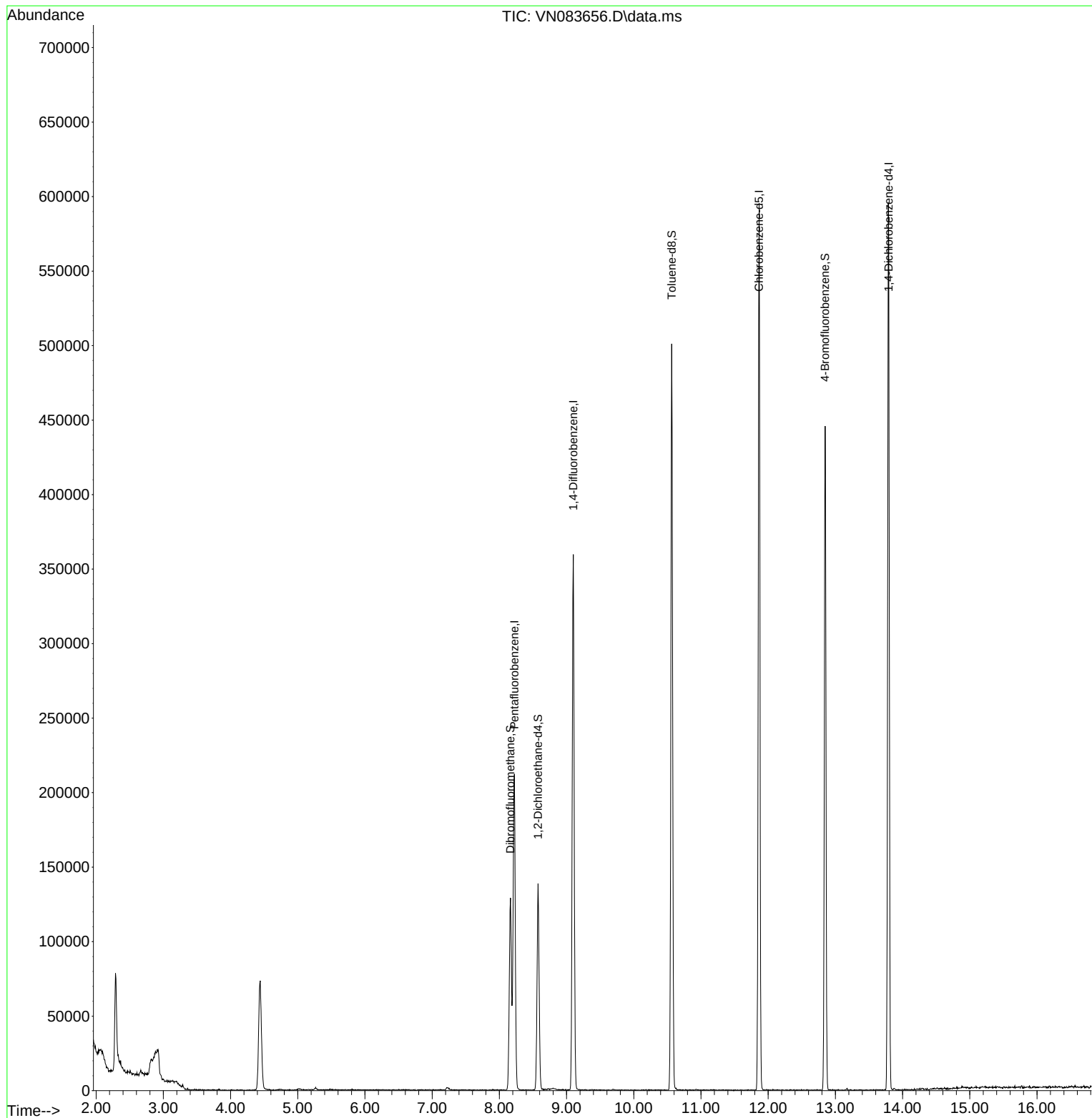
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

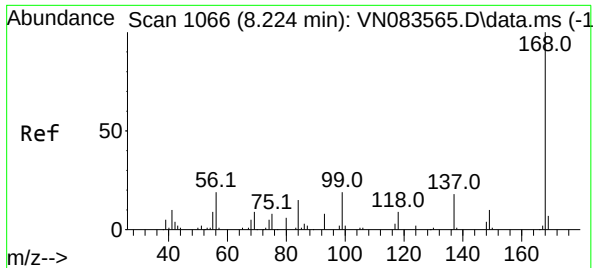
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Aug 31 00:48:10 2024  
Response via : Initial Calibration

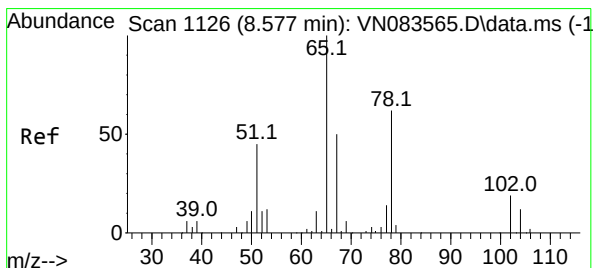
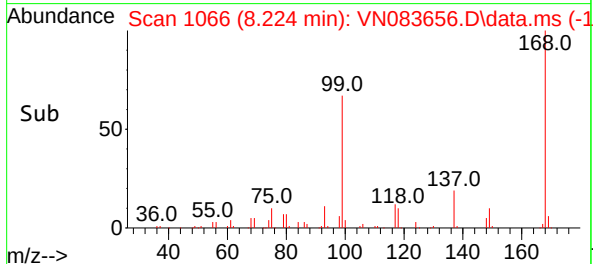
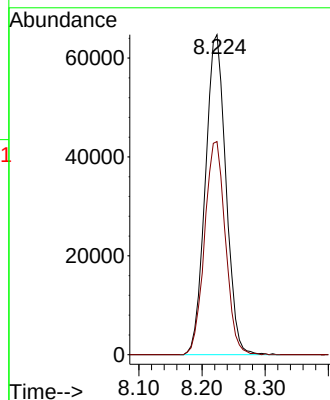
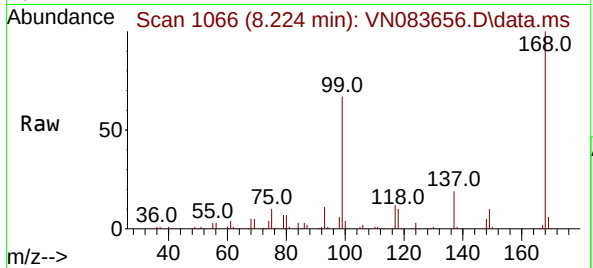




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083656.D  
Acq: 04 Sep 2024 17:54

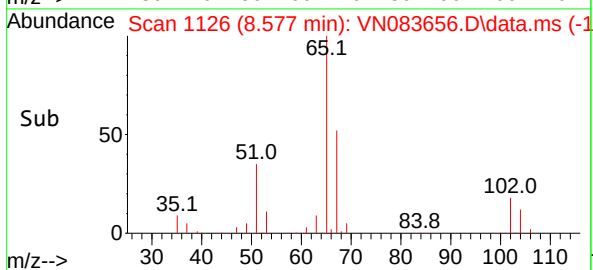
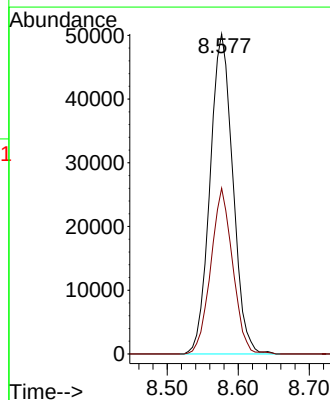
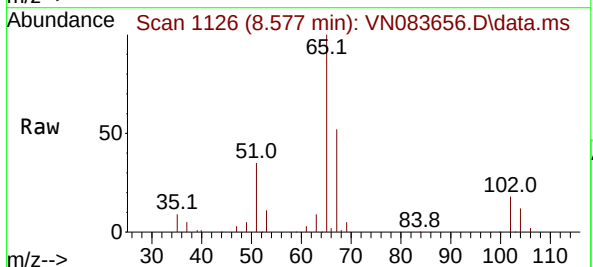
Instrument : MSVOA\_N  
ClientSampleId :  
Storage-Blank-SAMPLE-MANAGEMENT

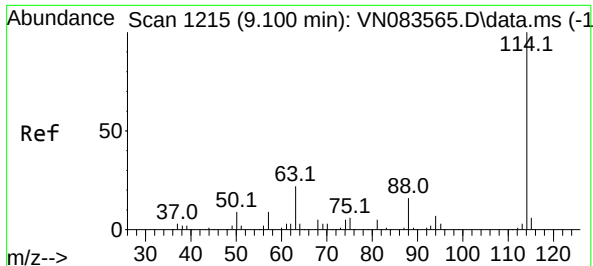
Tgt Ion:168 Resp: 146194  
Ion Ratio Lower Upper  
168 100  
99 66.6 54.2 81.2



#33  
1,2-Dichloroethane-d4  
Concen: 54.725 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN083656.D  
Acq: 04 Sep 2024 17:54

Tgt Ion: 65 Resp: 111815  
Ion Ratio Lower Upper  
65 100  
67 49.8 0.0 100.8

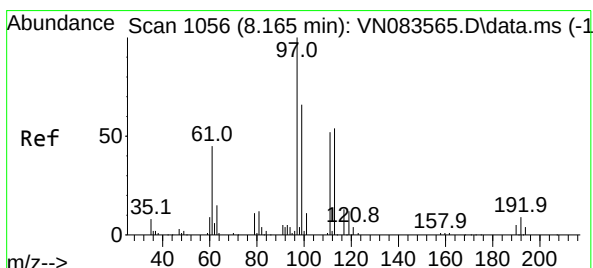
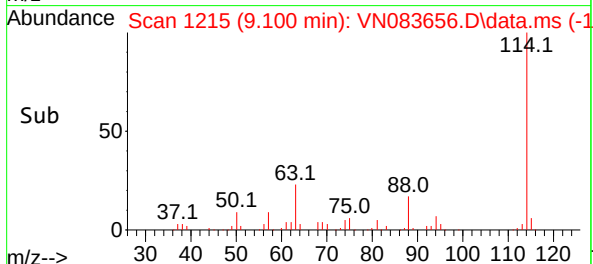
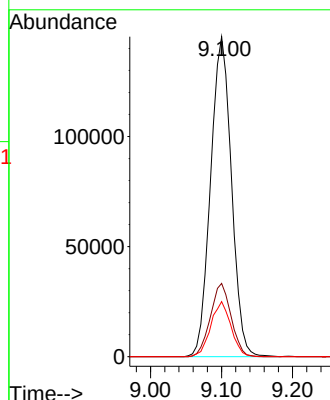
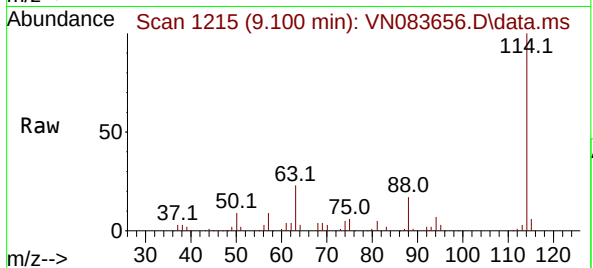




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 114  
Delta R.T. 0.000 min  
Lab File: VN083656.D  
Acq: 04 Sep 2024 17:54

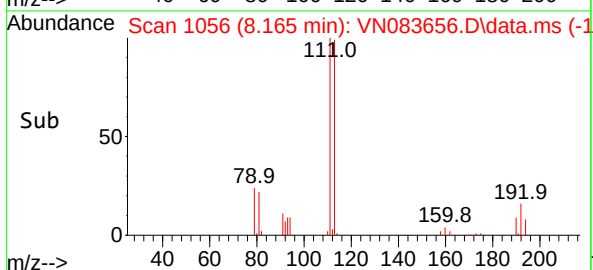
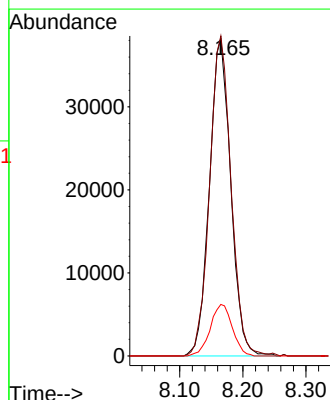
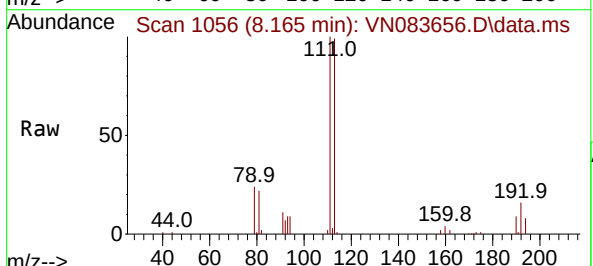
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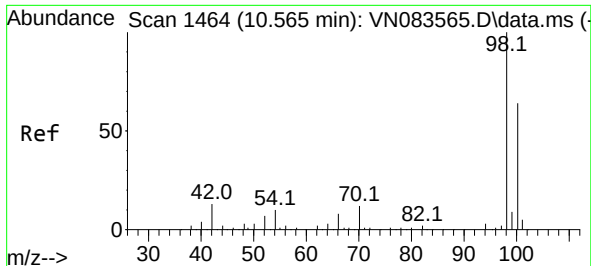
Tgt Ion:114 Resp: 296004  
Ion Ratio Lower Upper  
114 100  
63 22.9 0.0 43.4  
88 17.2 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 50.245 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN083656.D  
Acq: 04 Sep 2024 17:54

Tgt Ion:113 Resp: 89515  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.6 124.0  
192 16.8 14.3 21.5

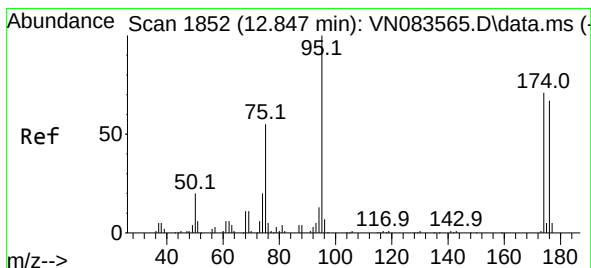
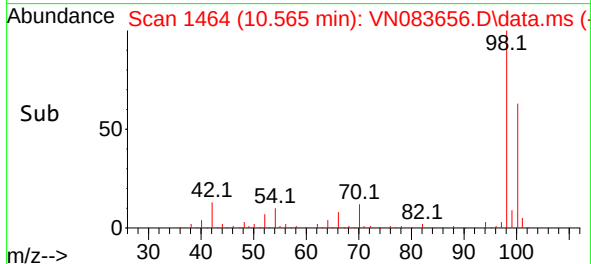
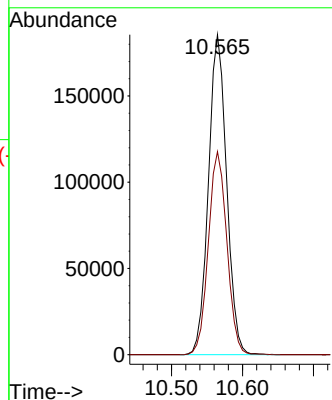
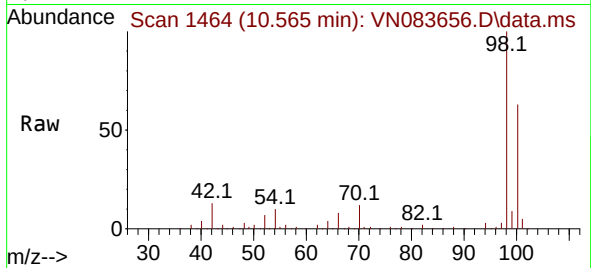




#50  
Toluene-d8  
Concen: 47.547 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083656.D  
Acq: 04 Sep 2024 17:54

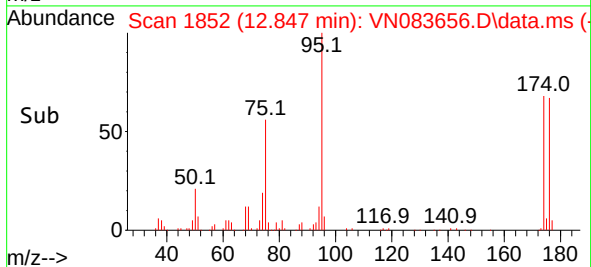
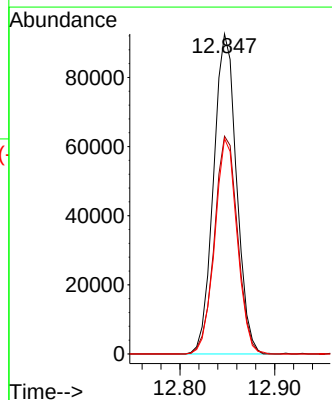
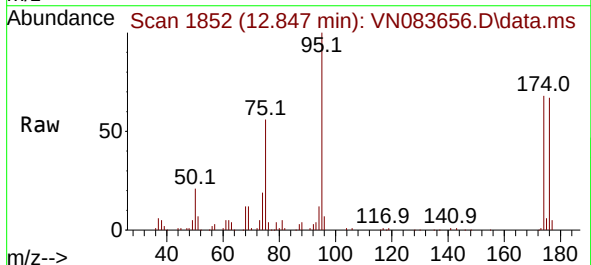
Instrument : MSVOA\_N  
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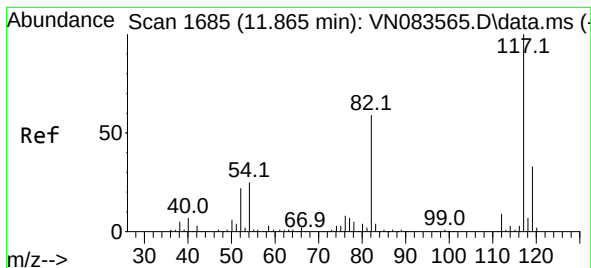
Tgt Ion: 98 Resp: 329850  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 60.662 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083656.D  
Acq: 04 Sep 2024 17:54

Tgt Ion: 95 Resp: 155905  
Ion Ratio Lower Upper  
95 100  
174 68.8 0.0 139.8  
176 65.7 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083656.D

Acq: 04 Sep 2024 17:54

Instrument :

MSVOA\_N

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT

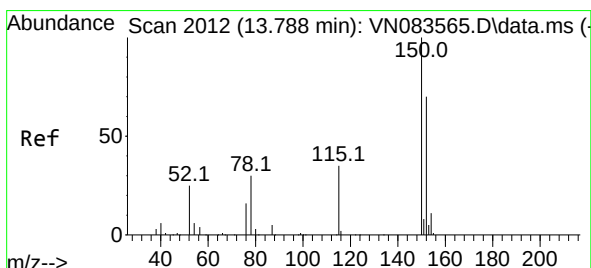
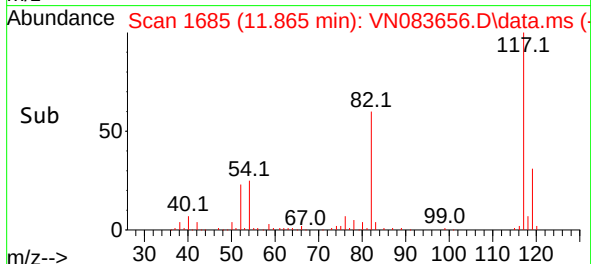
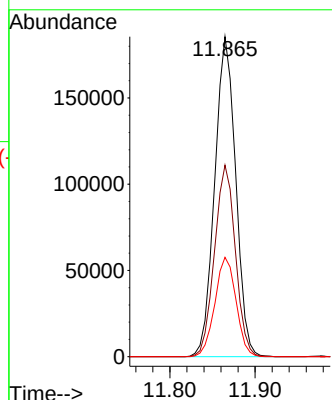
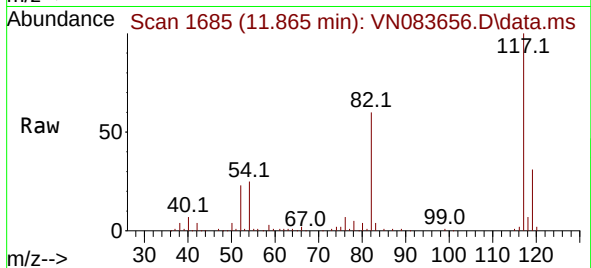
Tgt Ion:117 Resp: 317704

Ion Ratio Lower Upper

117 100

82 59.8 47.4 71.0

119 31.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN083656.D

Acq: 04 Sep 2024 17:54

Tgt Ion:152 Resp: 152328

Ion Ratio Lower Upper

152 100

115 64.4 32.2 96.6

150 157.0 0.0 348.6

