

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102924\  
 Data File : VN084554.D  
 Acq On : 29 Oct 2024 10:59  
 Operator : JC\MD  
 Sample : VN1029WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1029WBL01

Quant Time: Oct 30 04:58:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.218  | 168   | 172818   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 299281   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 246662   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 92882    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 126644   | 49.425   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 98.840%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 101624   | 51.506   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 103.020% |
| 50) Toluene-d8              | 10.565 | 98    | 346812   | 47.776   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 95.560%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 112106   | 42.391   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =     | 84.780%  |

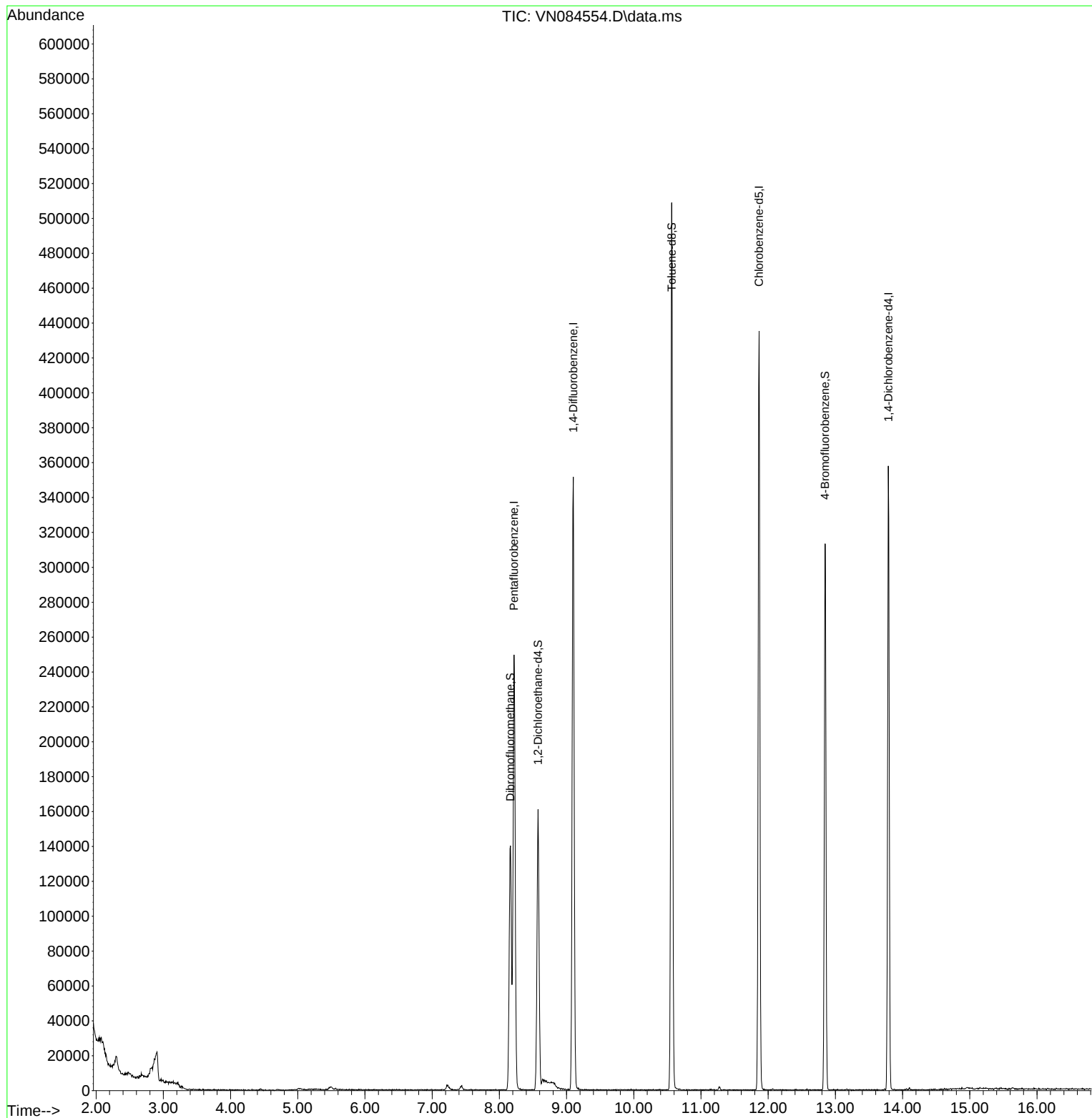
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

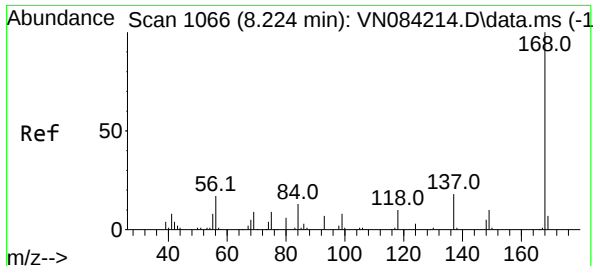
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration

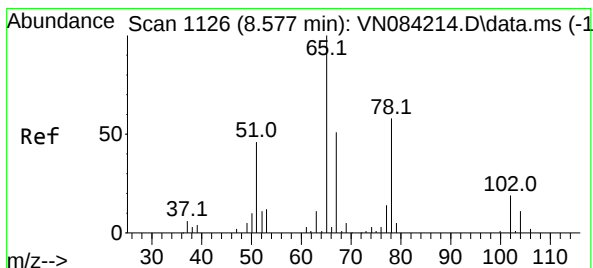
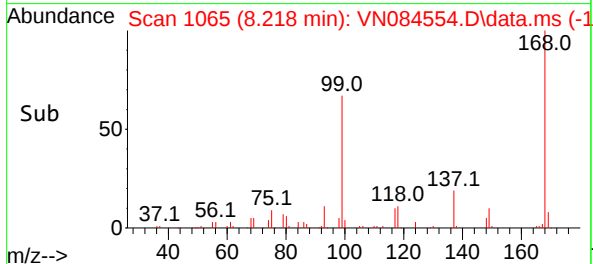
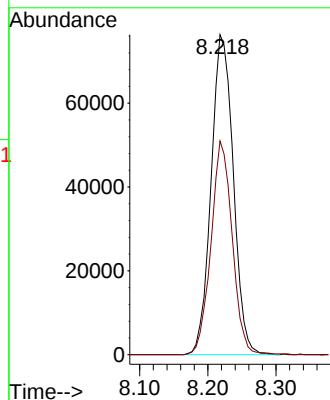
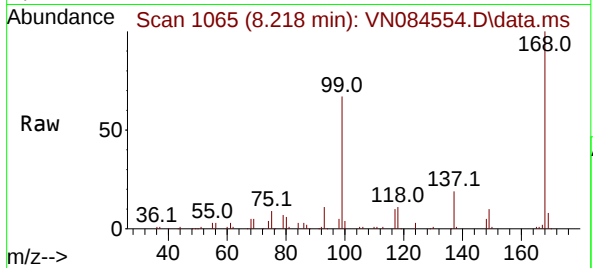




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN084554.D  
Acq: 29 Oct 2024 10:59

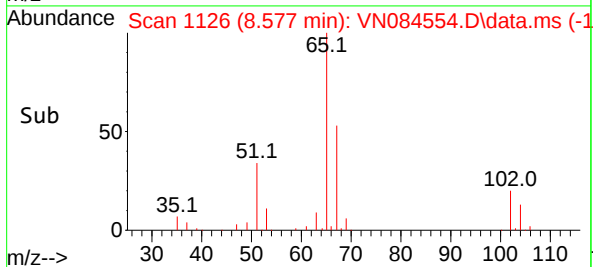
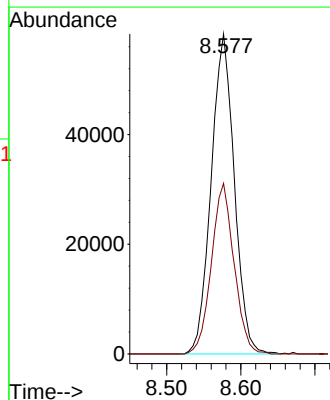
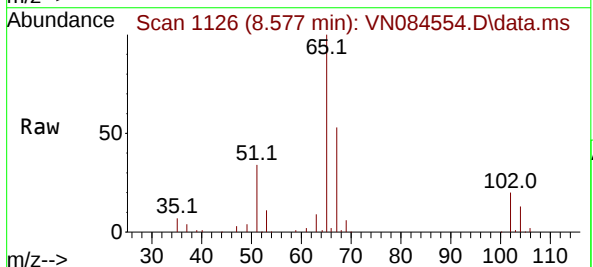
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1029WBL01

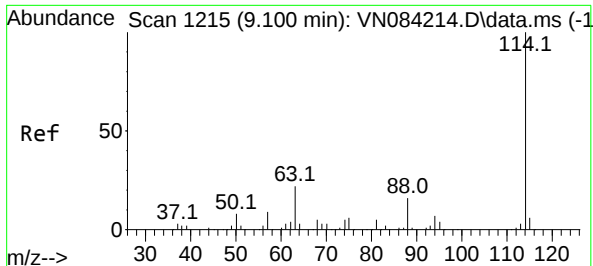
Tgt Ion:168 Resp: 172818  
Ion Ratio Lower Upper  
168 100  
99 66.7 54.2 81.2



#33  
1,2-Dichloroethane-d4  
Concen: 49.425 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN084554.D  
Acq: 29 Oct 2024 10:59

Tgt Ion: 65 Resp: 126644  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084554.D

Acq: 29 Oct 2024 10:59

Instrument :

MSVOA\_N

ClientSampleId :

VN1029WBL01

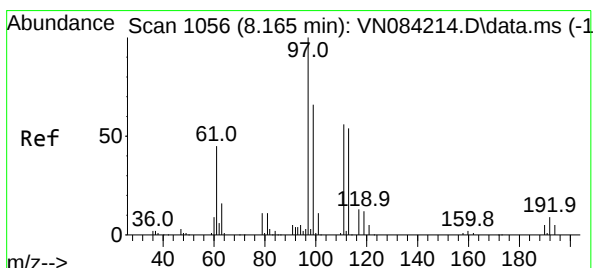
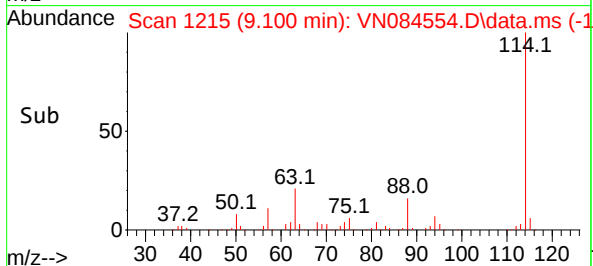
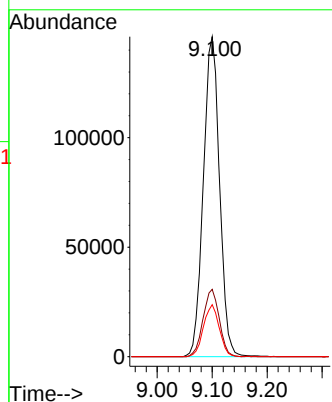
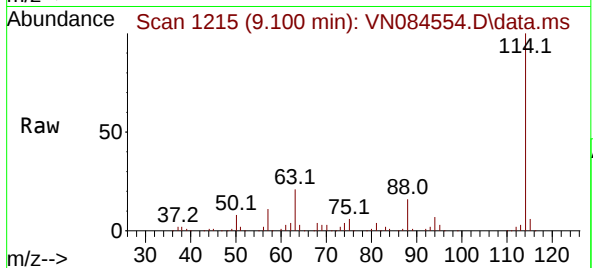
Tgt Ion:114 Resp: 299281

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.8

88 16.2 0.0 31.6



#35

Dibromofluoromethane

Concen: 51.506 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084554.D

Acq: 29 Oct 2024 10:59

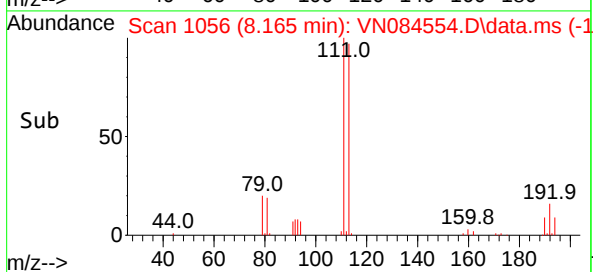
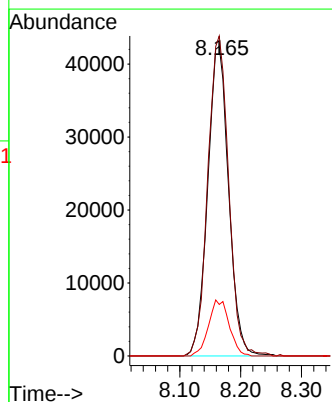
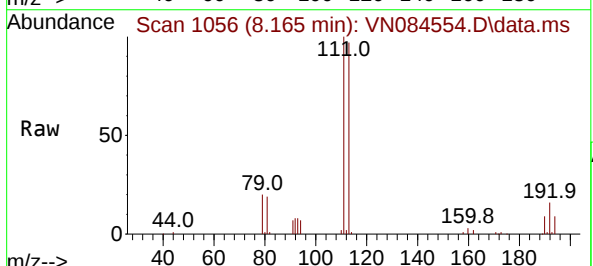
Tgt Ion:113 Resp: 101624

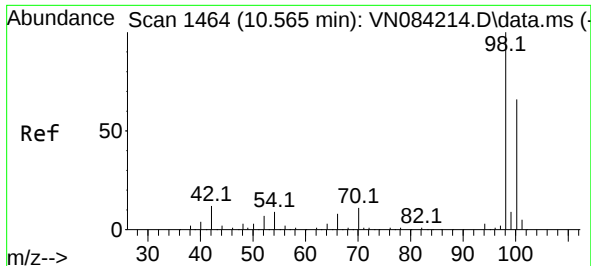
Ion Ratio Lower Upper

113 100

111 102.5 83.3 124.9

192 17.8 13.5 20.3

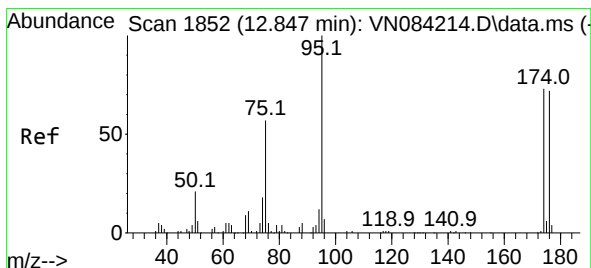
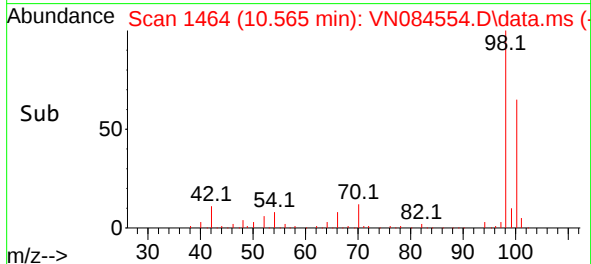
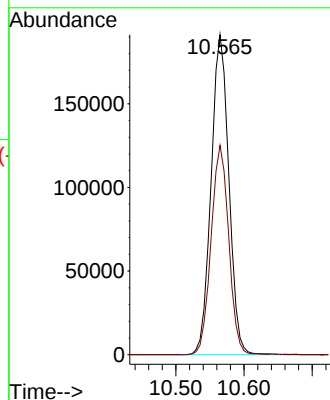
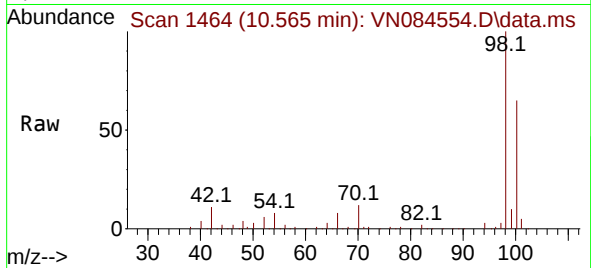




#50  
Toluene-d8  
Concen: 47.776 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN084554.D  
Acq: 29 Oct 2024 10:59

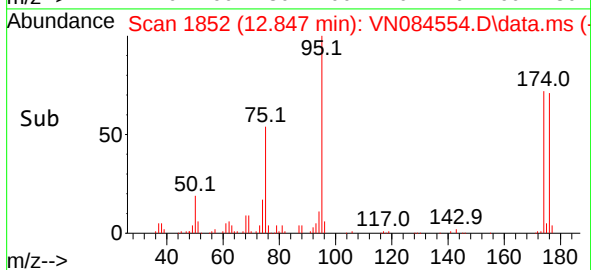
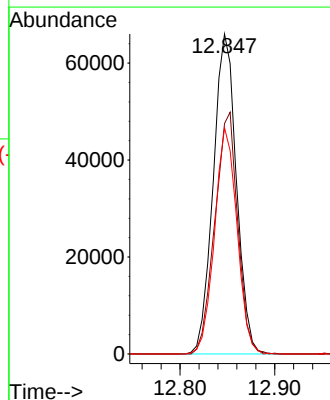
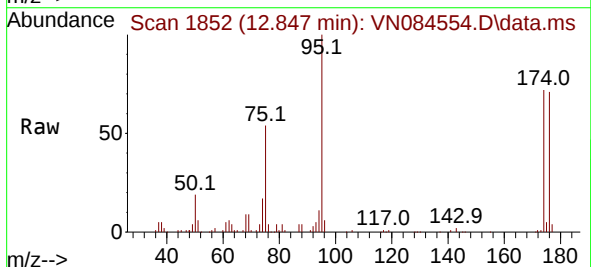
Instrument :  
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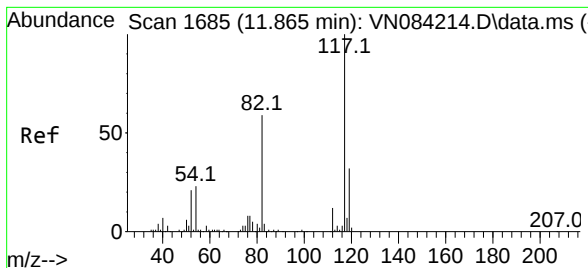
Tgt Ion: 98 Resp: 346812  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 42.391 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN084554.D  
Acq: 29 Oct 2024 10:59

Tgt Ion: 95 Resp: 112106  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 145.2  
176 68.5 0.0 140.0

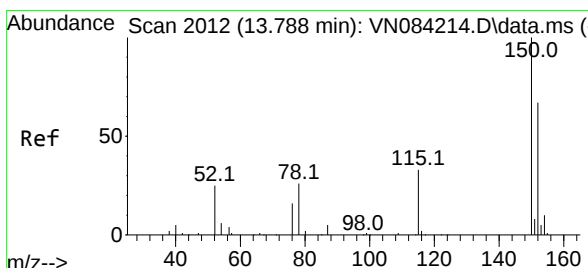
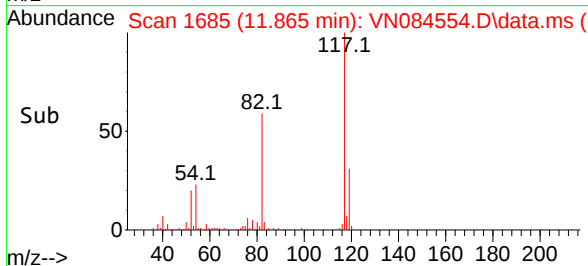
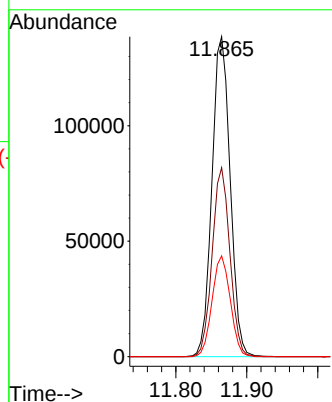
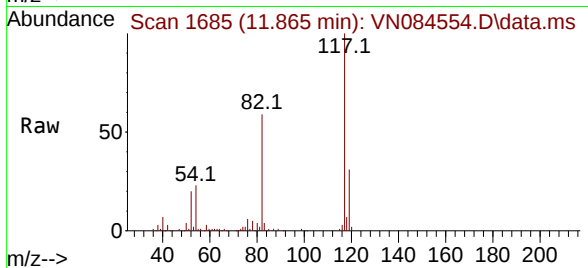




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN084554.D  
Acq: 29 Oct 2024 10:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1029WBL01

Tgt Ion:117 Resp: 246662  
Ion Ratio Lower Upper  
117 100  
82 59.0 47.2 70.8  
119 31.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN084554.D  
Acq: 29 Oct 2024 10:59

Tgt Ion:152 Resp: 92882  
Ion Ratio Lower Upper  
152 100  
115 64.7 31.3 93.9  
150 158.8 0.0 349.8

