

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102524\  
 Data File : VN084525.D  
 Acq On : 25 Oct 2024 18:49  
 Operator : JC\MD  
 Sample : P4550-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-190-GW-318-320

Quant Time: Oct 25 23:38:13 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

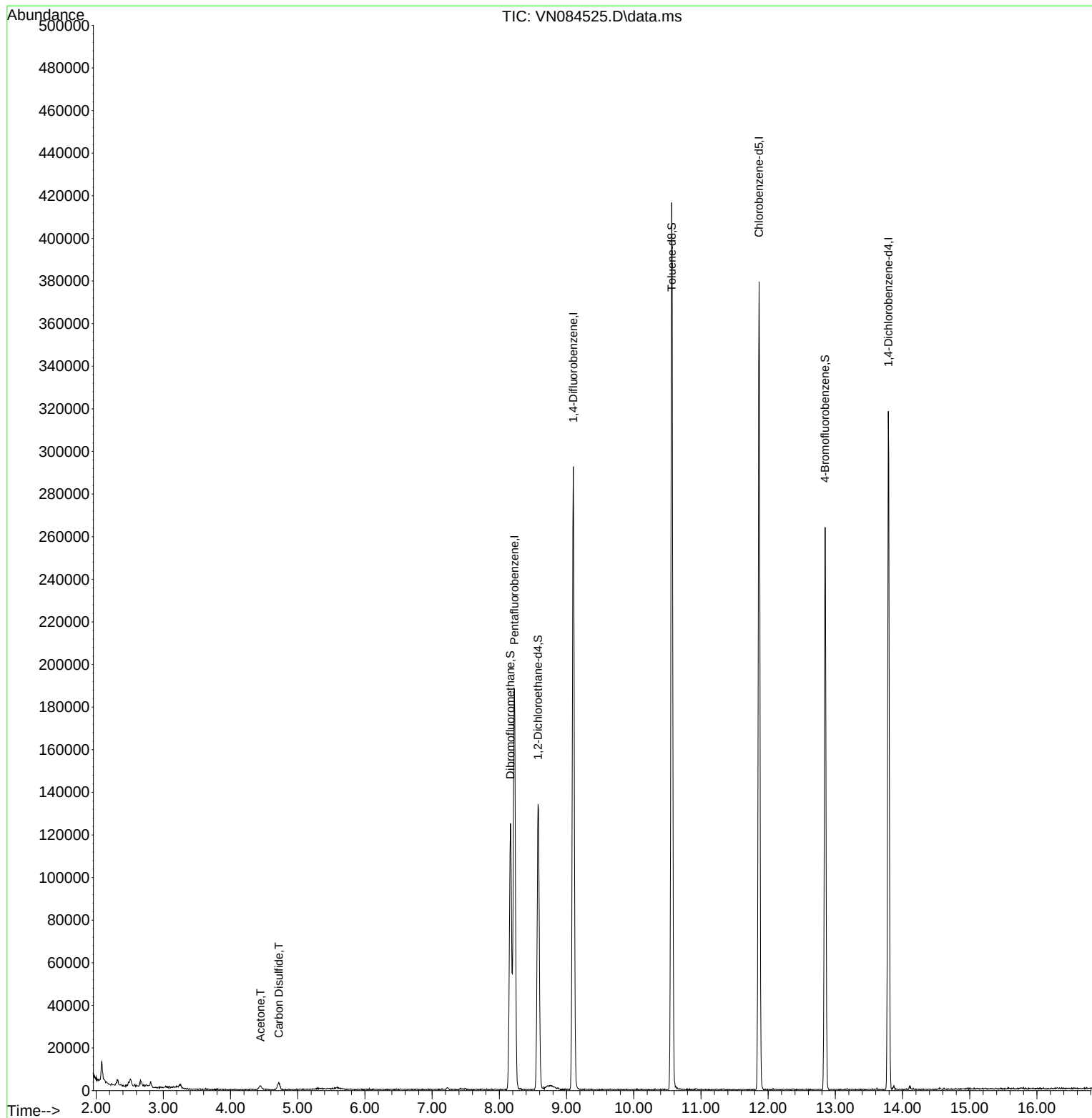
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 132840   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 246729   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 211932   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 84516    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 115498   | 58.640   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 117.280% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 90200    | 55.453   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 110.900% |
| 50) Toluene-d8              | 10.565 | 98    | 287073   | 47.970   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 95.940%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 91662    | 42.043   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 84.080%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.448  | 43    | 3457     | 4.086    | ug/l   | 93       |
| 17) Carbon Disulfide        | 4.718  | 76    | 7509     | 1.586    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

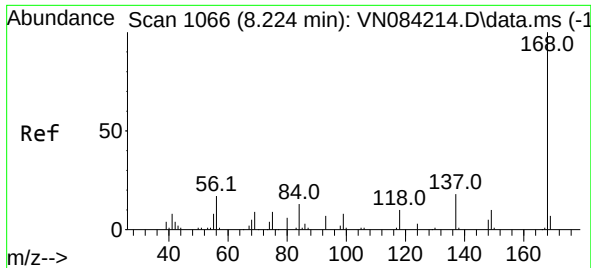
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB-190-GW-318-320

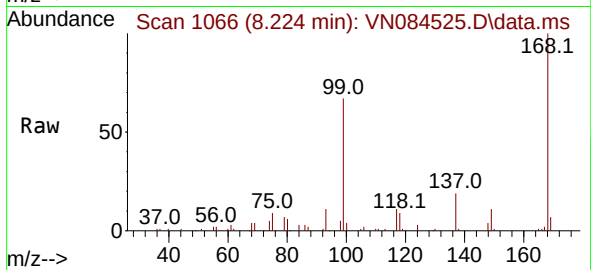
Quant Time: Oct 25 23:38:13 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration



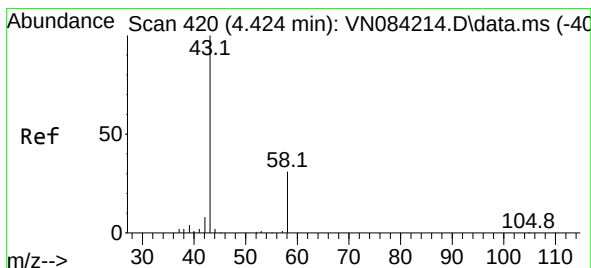
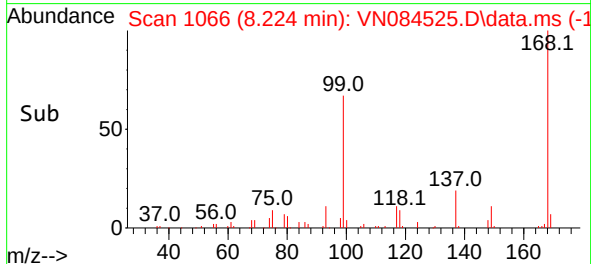
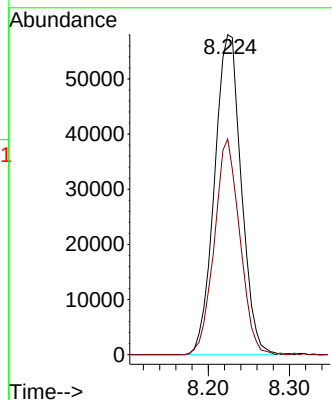


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084525.D  
Acq: 25 Oct 2024 18:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-190-GW-318-320

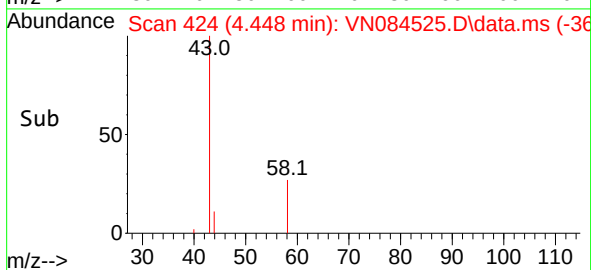
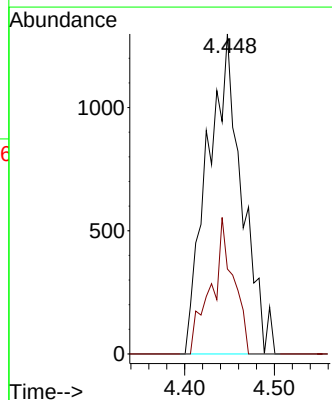
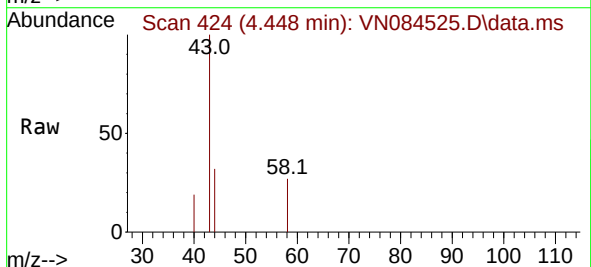


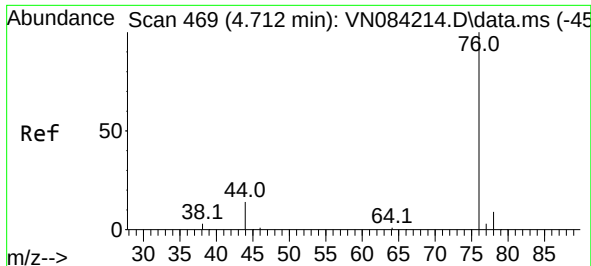
Tgt Ion:168 Resp: 132840  
Ion Ratio Lower Upper  
168 100  
99 67.4 54.2 81.2



#16  
Acetone  
Concen: 4.086 ug/l  
RT: 4.448 min Scan# 424  
Delta R.T. 0.024 min  
Lab File: VN084525.D  
Acq: 25 Oct 2024 18:49

Tgt Ion: 43 Resp: 3457  
Ion Ratio Lower Upper  
43 100  
58 26.6 24.4 36.6

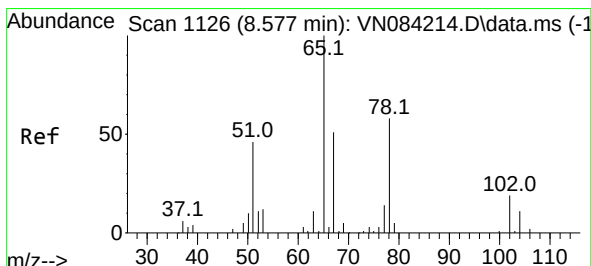
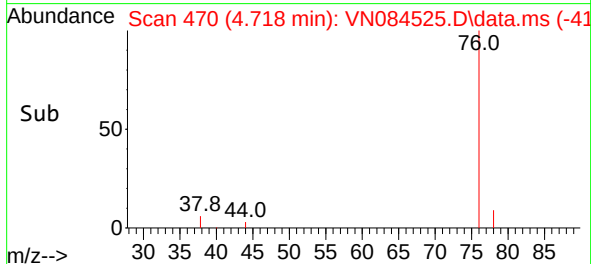
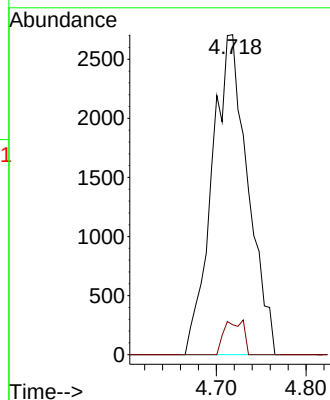
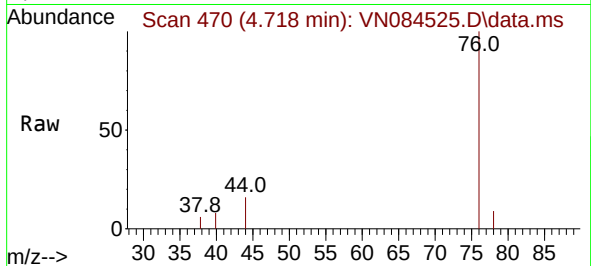




#17  
Carbon Disulfide  
Concen: 1.586 ug/l  
RT: 4.718 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN084525.D  
Acq: 25 Oct 2024 18:49

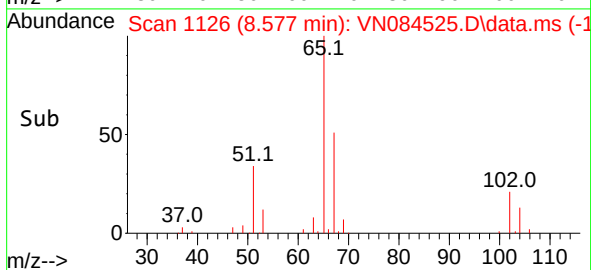
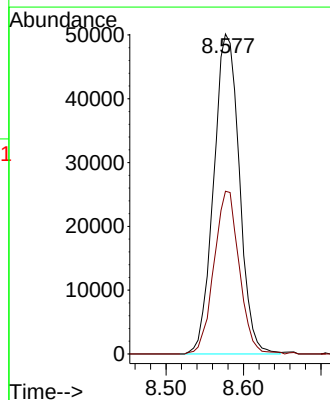
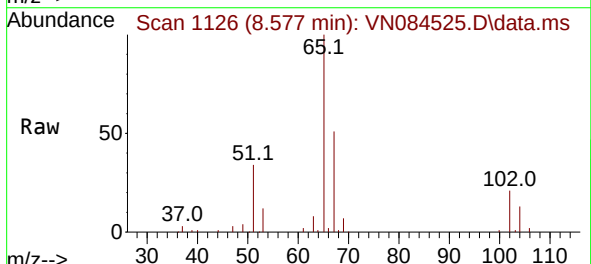
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-190-GW-318-320

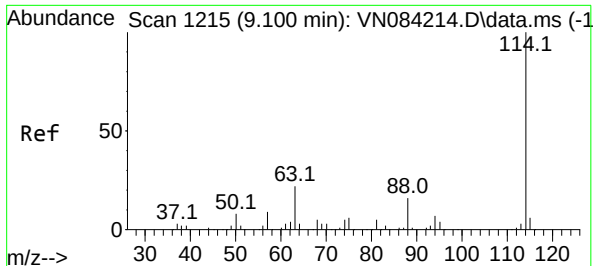
Tgt Ion: 76 Resp: 7509  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.3 10.9



#33  
1,2-Dichloroethane-d4  
Concen: 58.640 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN084525.D  
Acq: 25 Oct 2024 18:49

Tgt Ion: 65 Resp: 115498  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084525.D

Acq: 25 Oct 2024 18:49

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-190-GW-318-320

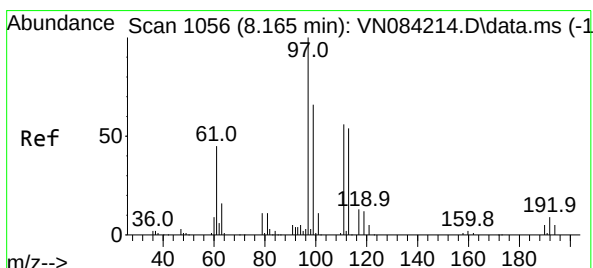
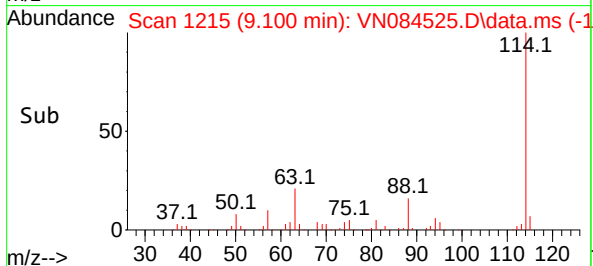
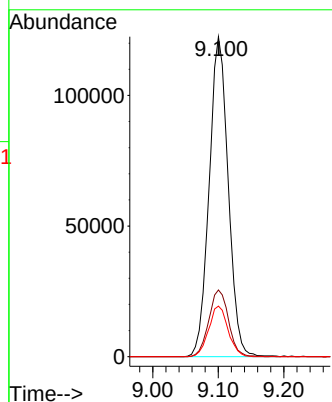
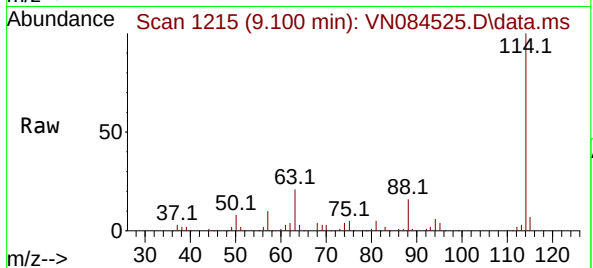
Tgt Ion:114 Resp: 246729

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 15.8 0.0 31.6



#35

Dibromofluoromethane

Concen: 55.453 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084525.D

Acq: 25 Oct 2024 18:49

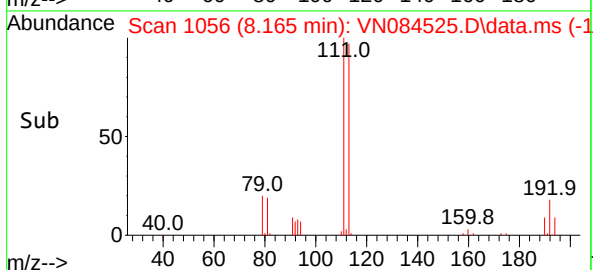
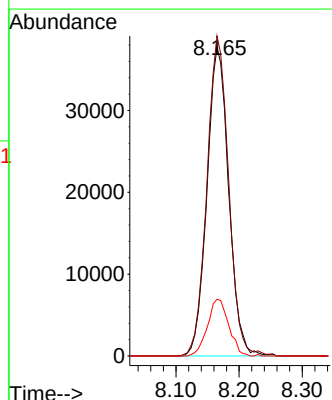
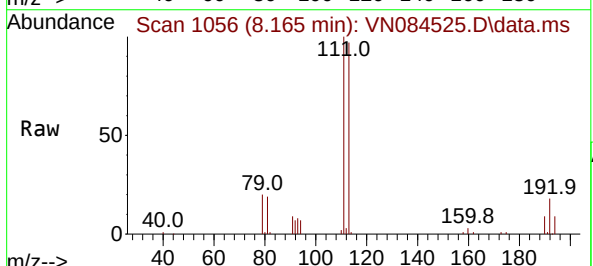
Tgt Ion:113 Resp: 90200

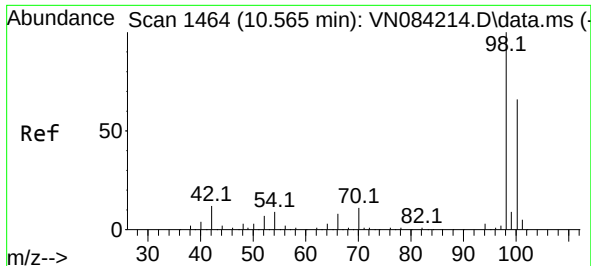
Ion Ratio Lower Upper

113 100

111 103.7 83.3 124.9

192 18.0 13.5 20.3

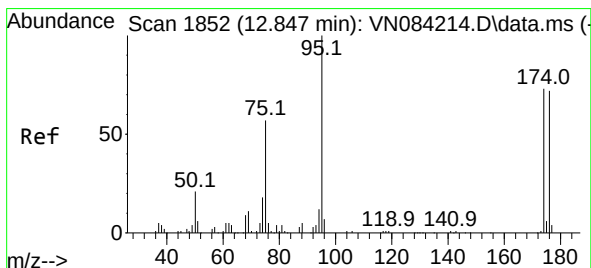
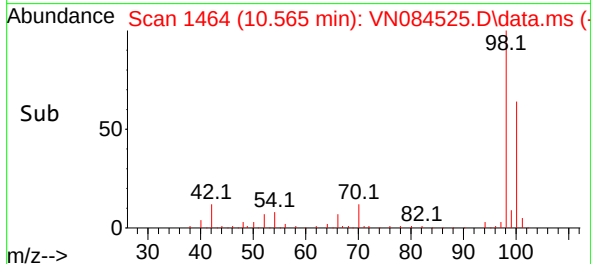
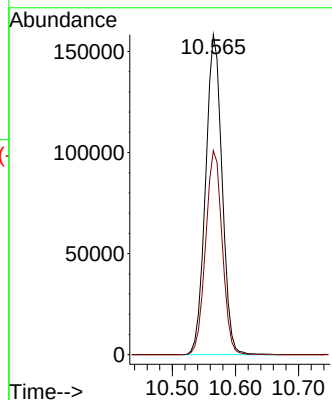
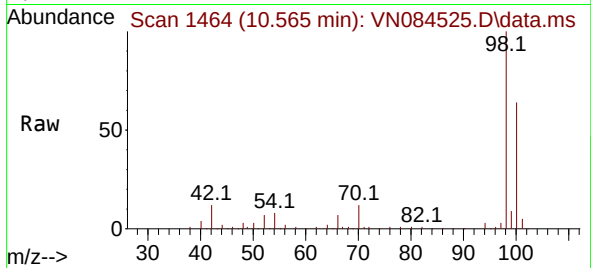




#50  
Toluene-d8  
Concen: 47.970 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN084525.D  
Acq: 25 Oct 2024 18:49

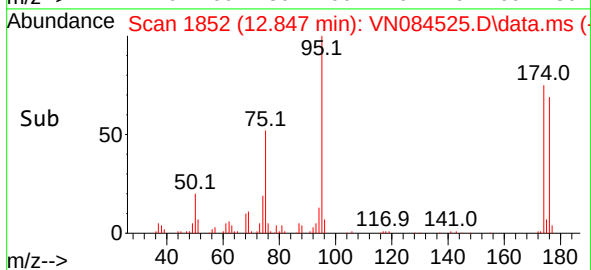
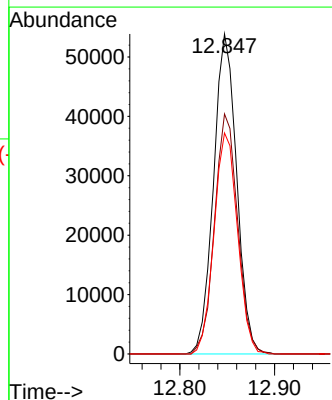
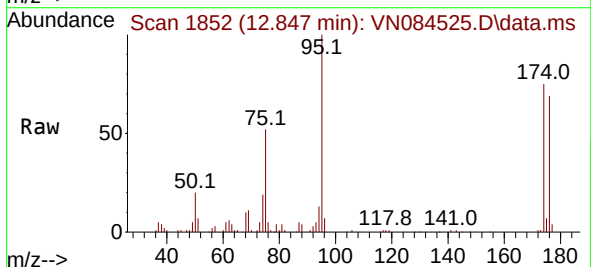
Instrument :  
MSVOA\_N  
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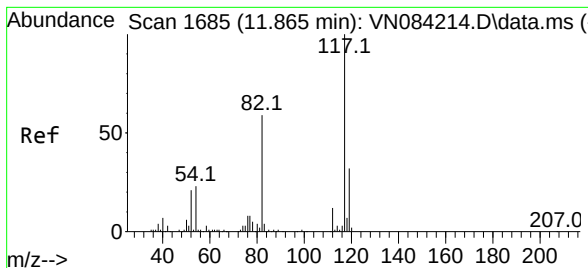
Tgt Ion: 98 Resp: 287073  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 42.043 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084525.D  
Acq: 25 Oct 2024 18:49

Tgt Ion: 95 Resp: 91662  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 145.2  
176 70.0 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: VN084525.D

Acq: 25 Oct 2024 18:49

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB-190-GW-318-320

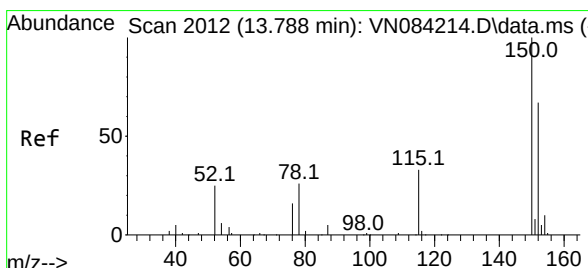
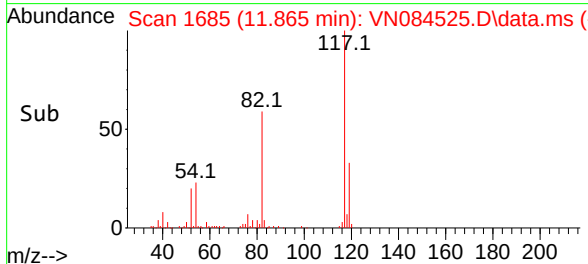
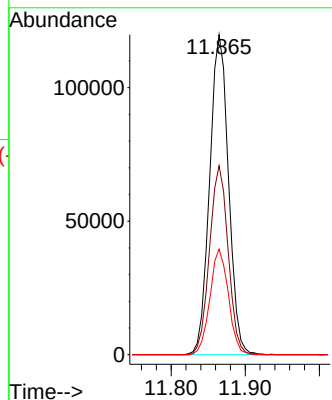
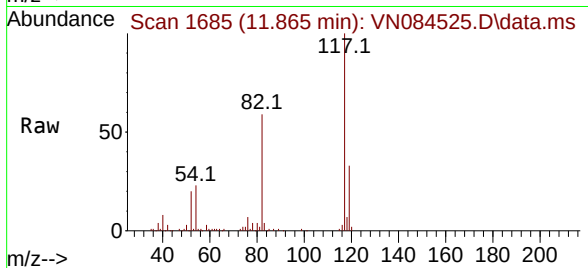
Tgt Ion:117 Resp: 211932

Ion Ratio Lower Upper

117 100

82 59.1 47.2 70.8

119 33.0 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: VN084525.D

Acq: 25 Oct 2024 18:49

Tgt Ion:152 Resp: 84516

Ion Ratio Lower Upper

152 100

115 60.7 31.3 93.9

150 155.5 0.0 349.8

