

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111324\  
 Data File : VN084817.D  
 Acq On : 13 Nov 2024 10:50  
 Operator : JC\MD  
 Sample : VN1113WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1113WBL01

Quant Time: Nov 14 00:30:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|----------------|----------|--------|---------|----------|
| -----                       |        |                |          |        |         |          |
| Internal Standards          |        |                |          |        |         |          |
| 1) Pentafluorobenzene       | 8.218  | 168            | 177026   | 50.000 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.094  | 114            | 303081   | 50.000 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117            | 266497   | 50.000 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152            | 115573   | 50.000 | ug/l    | 0.00     |
| System Monitoring Compounds |        |                |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.571  | 65             | 126582   | 49.507 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | =      | 99.020% |          |
| 35) Dibromofluoromethane    | 8.159  | 113            | 102487   | 49.957 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | =      | 99.920% |          |
| 50) Toluene-d8              | 10.565 | 98             | 352443   | 46.638 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | =      | 93.280% |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 129442   | 45.831 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range 77 - 121 | Recovery | =      | 91.660% |          |

Target Compounds Qvalue

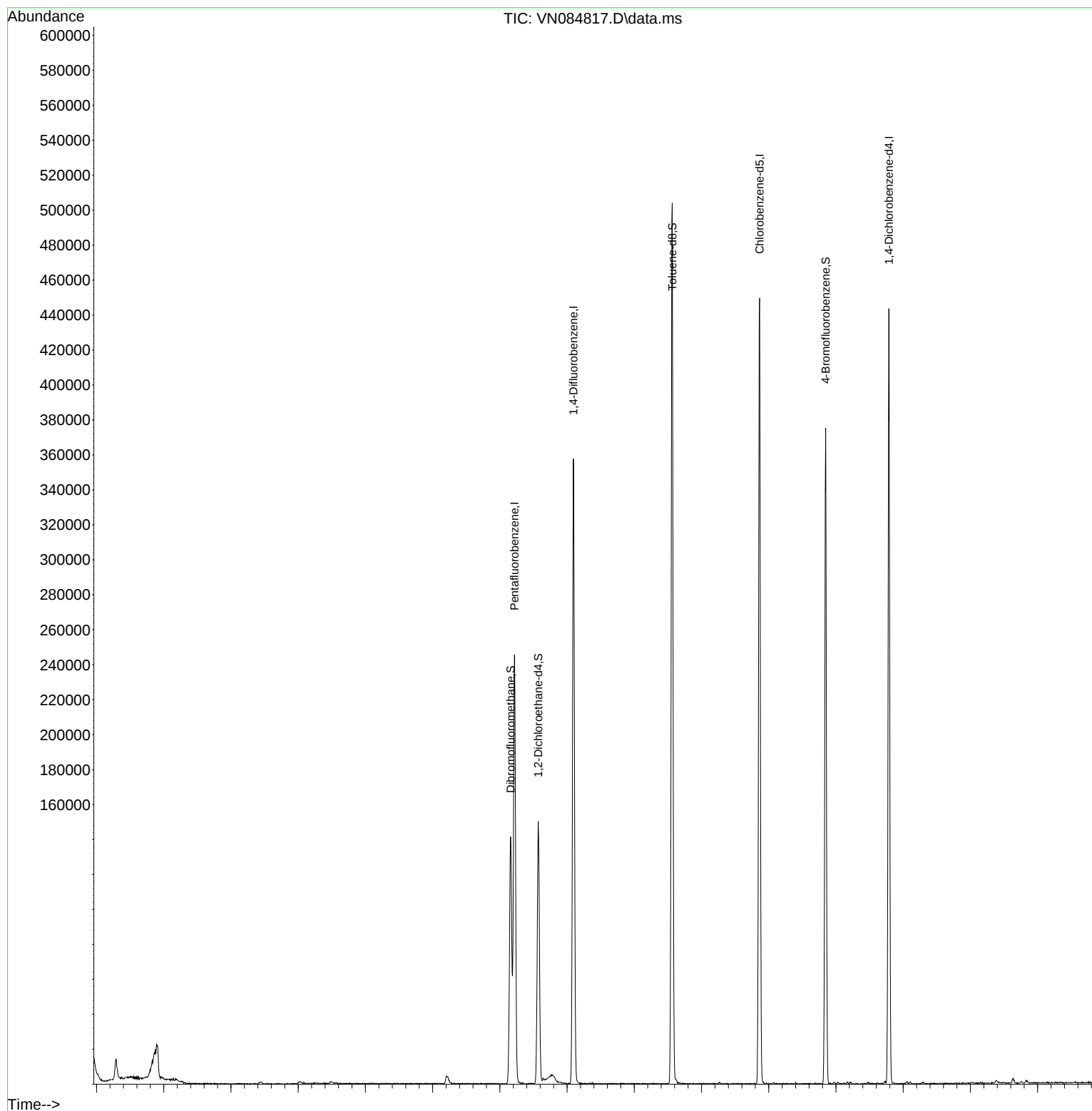
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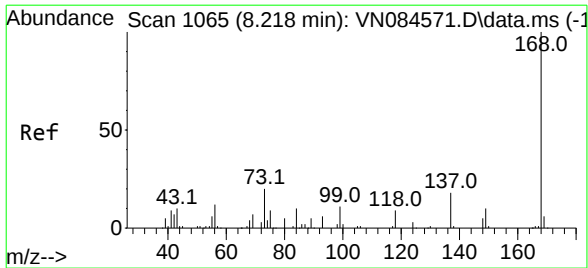
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBL01

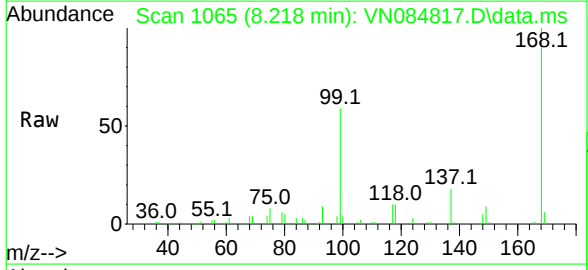
Quant Time: Nov 14 00:30:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 18:45:38 2024  
Response via : Initial Calibration



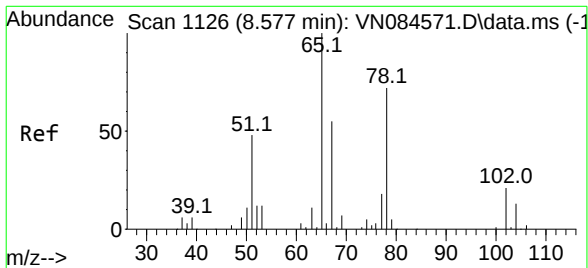
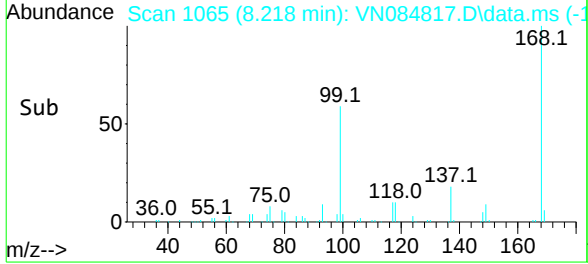
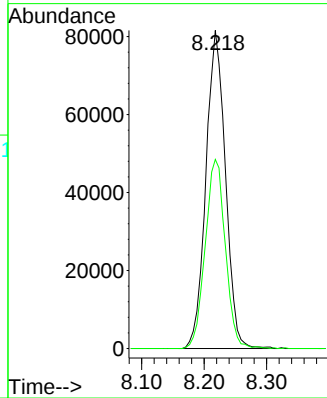


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN084817.D  
Acq: 13 Nov 2024 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBL01

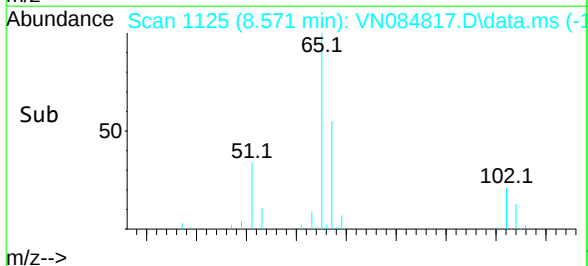
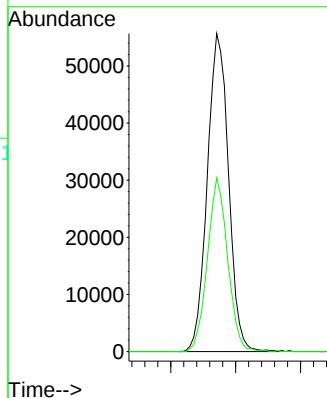
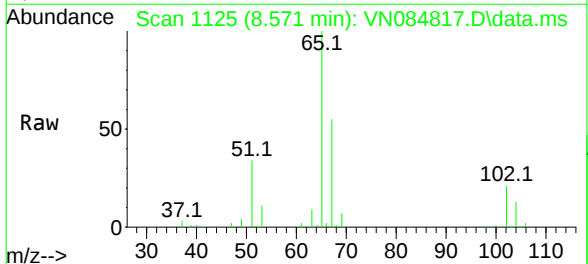


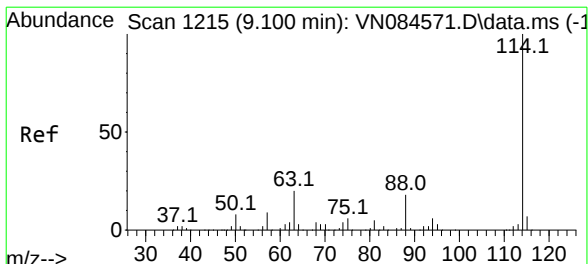
Tgt Ion:168 Resp: 177026  
Ion Ratio Lower Upper  
168 100  
99 59.4 54.2 81.2



#33  
1,2-Dichloroethane-d4  
Concen: 49.507 ug/l  
RT: 8.571 min Scan# 1125  
Delta R.T. -0.006 min  
Lab File: VN084817.D  
Acq: 13 Nov 2024 10:50

Tgt Ion: 65 Resp: 126582  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 102.0

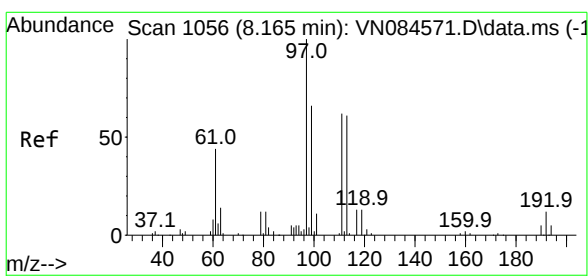
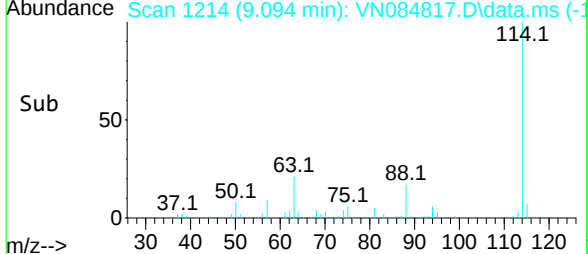
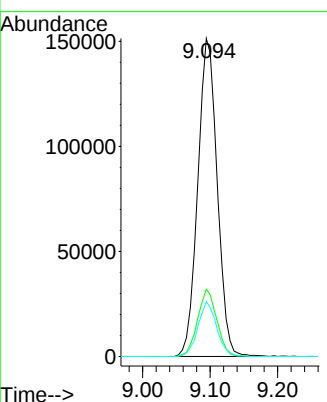
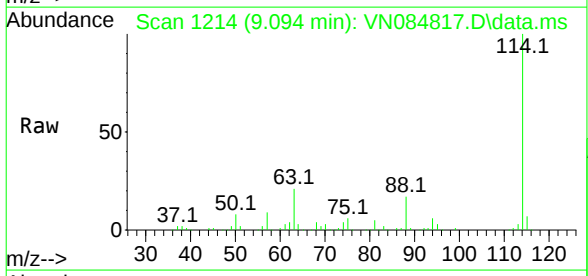




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.094 min Scan# 1214  
 Delta R.T. -0.006 min  
 Lab File: VN084817.D  
 Acq: 13 Nov 2024 10:50

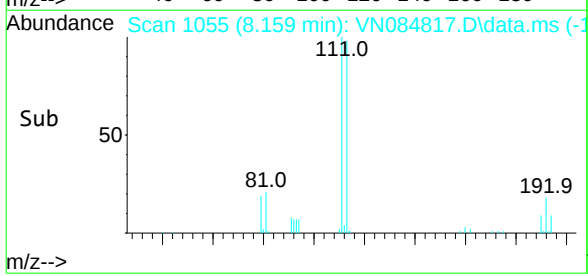
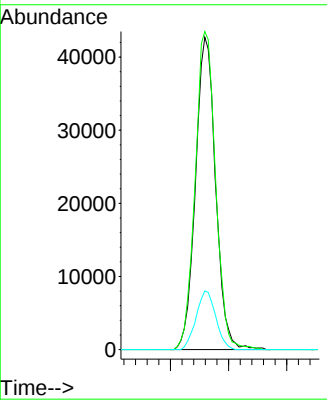
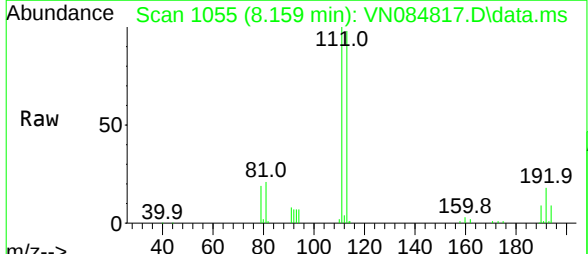
Instrument : MSVOA\_N  
 ClientSampleId : VN1113WBL01

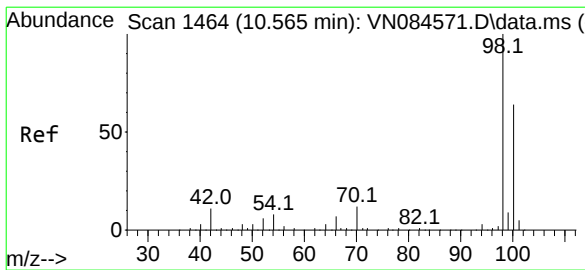
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 303081 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.2  | 0.0   | 43.8   |
| 88       | 17.3  | 0.0   | 31.6   |



#35  
 Dibromofluoromethane  
 Concen: 49.957 ug/l  
 RT: 8.159 min Scan# 1055  
 Delta R.T. -0.006 min  
 Lab File: VN084817.D  
 Acq: 13 Nov 2024 10:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 102487 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.6 | 83.3  | 124.9  |
| 192      | 18.4  | 13.5  | 20.3   |





#50

Toluene-d8

Concen: 46.638 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084817.D

Acq: 13 Nov 2024 10:50

Instrument :

MSVOA\_N

ClientSampleId :

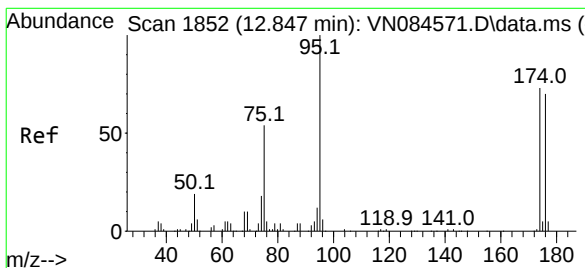
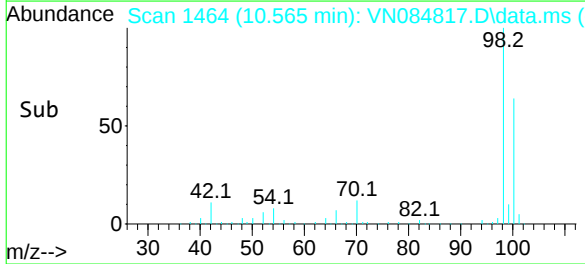
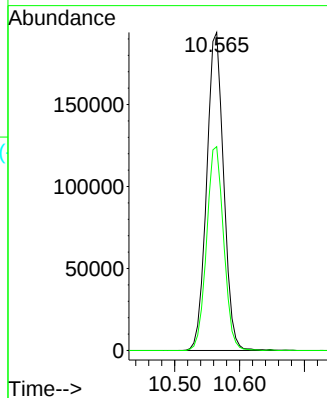
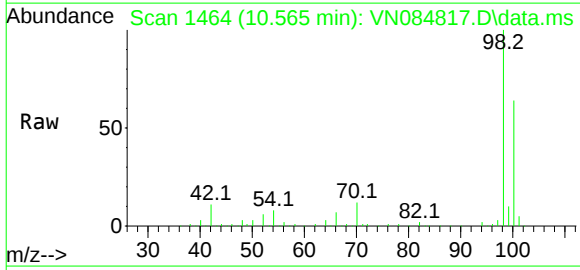
VN1113WBL01

Tgt Ion: 98 Resp: 352443

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 45.831 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084817.D

Acq: 13 Nov 2024 10:50

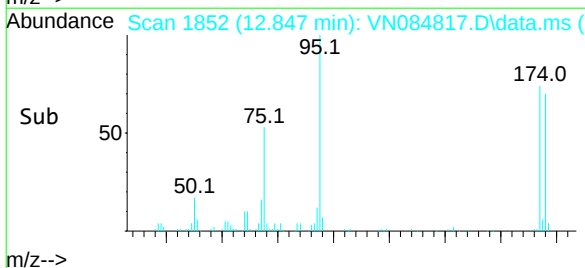
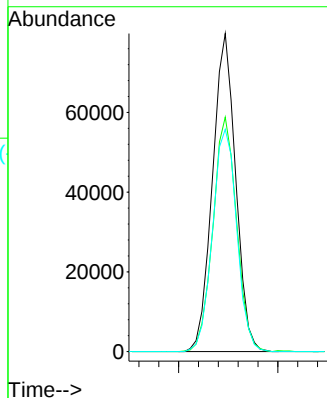
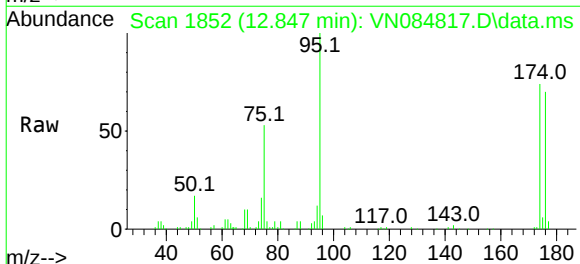
Tgt Ion: 95 Resp: 129442

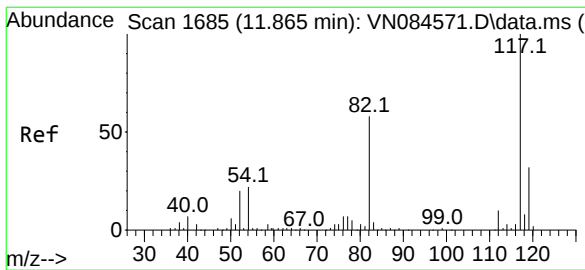
Ion Ratio Lower Upper

95 100

174 75.2 0.0 145.2

176 73.1 0.0 140.0

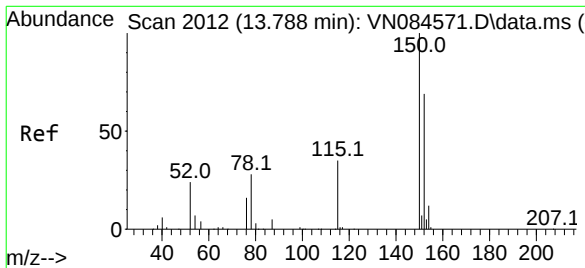
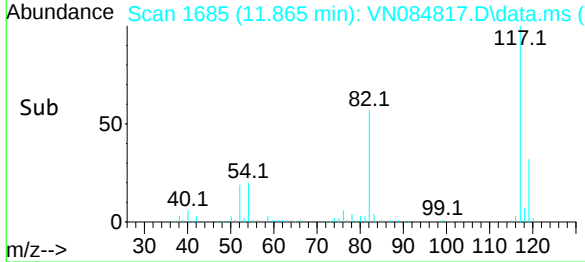
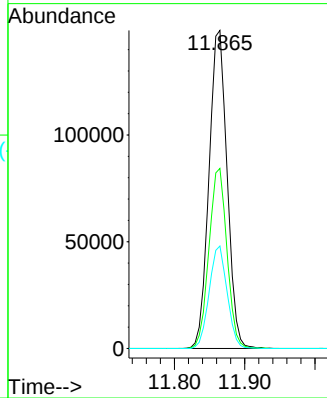
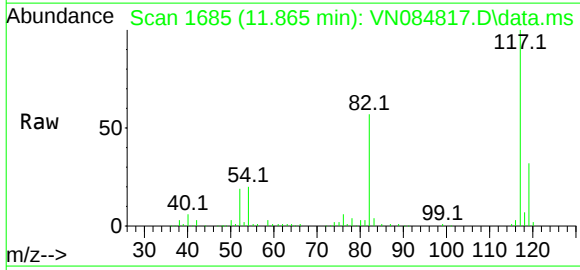




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN084817.D  
Acq: 13 Nov 2024 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 266497 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.6  | 47.2  | 70.8   |
| 119      | 32.2  | 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: VN084817.D  
Acq: 13 Nov 2024 10:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 115573 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 64.8  | 31.3  | 93.9   |
| 150      | 161.6 | 0.0   | 349.8  |

