

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100124\  
 Data File : VN084232.D  
 Acq On : 01 Oct 2024 12:18  
 Operator : JC\MD  
 Sample : VN1001MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1001MBL01

Quant Time: Oct 02 01:59:32 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  | 152736   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 269074   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 230477   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 95011    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 116492   | 51.441   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 102.880% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 89744    | 50.591   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.180% |
| 50) Toluene-d8              | 10.565 | 98    | 323058   | 49.500   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 99.000%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 104637   | 44.009   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 88.020%  |

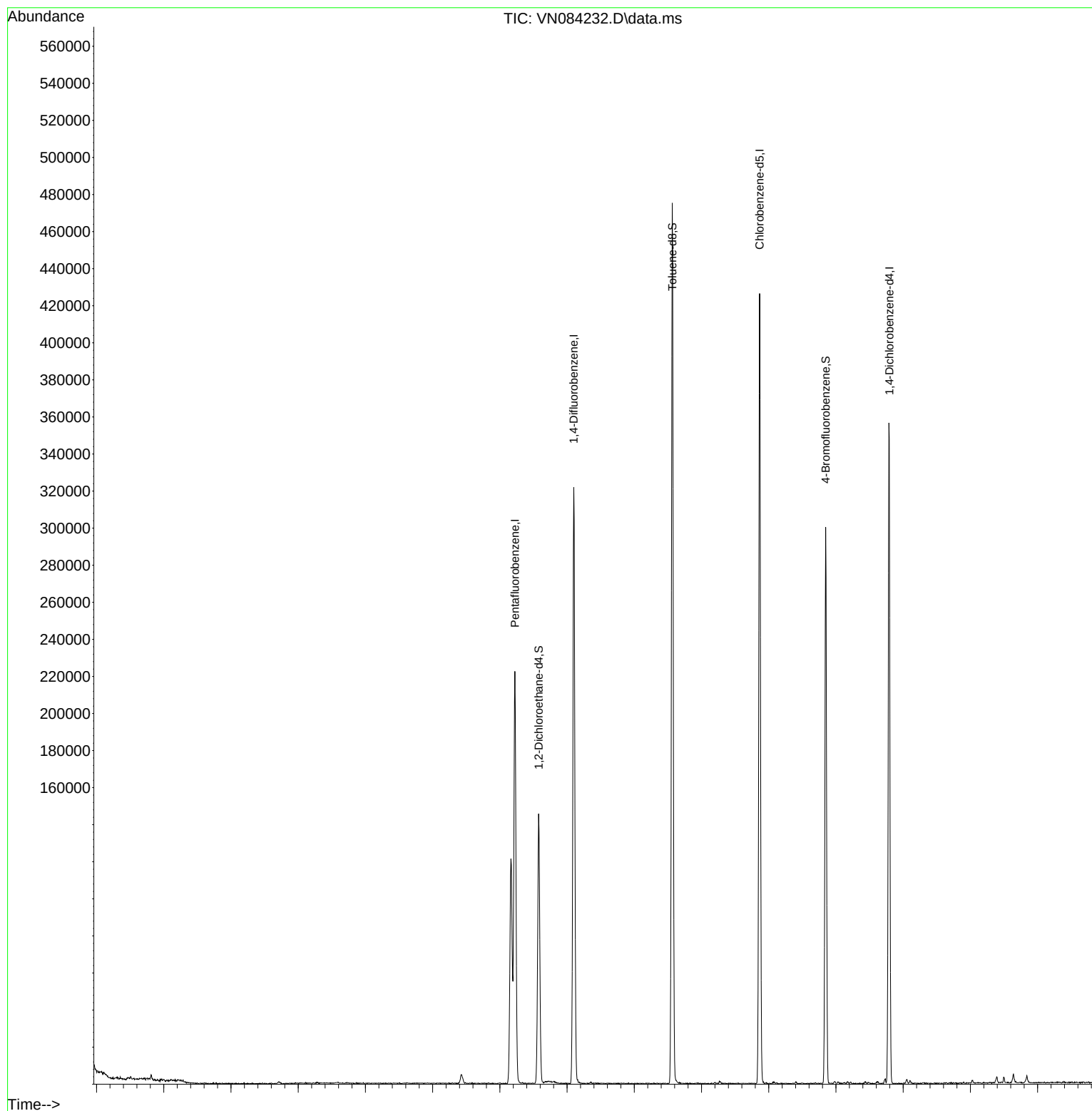
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

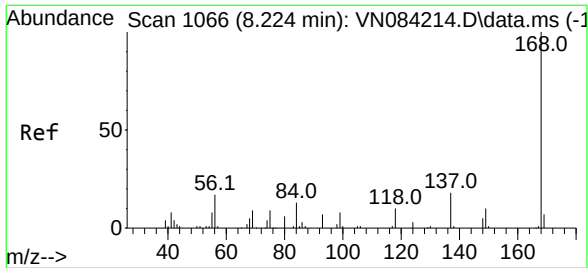
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN1001MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1001MBL01

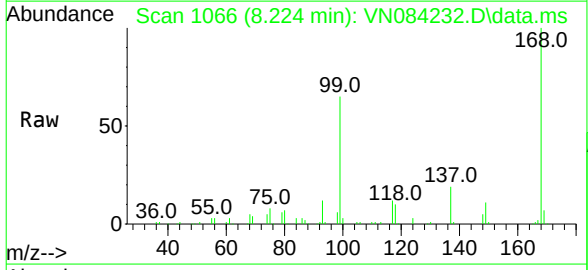
Quant Time: Oct 02 01:59:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration



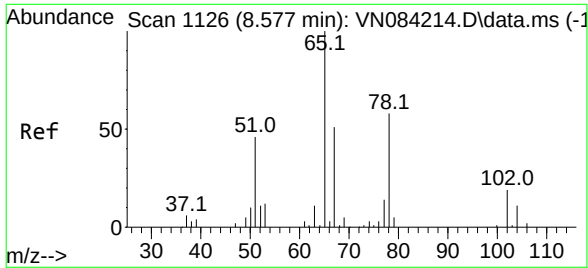
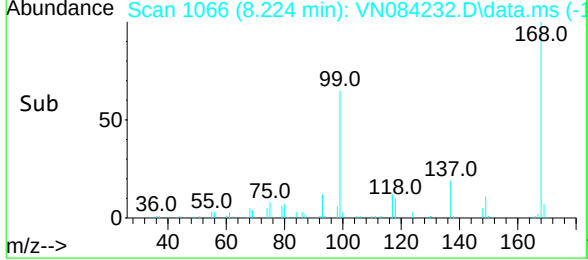
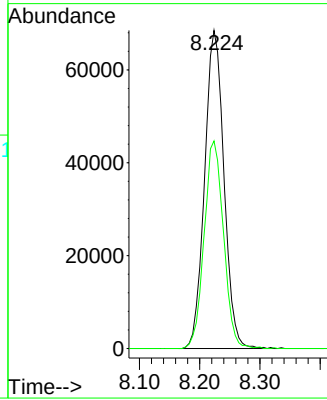


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.224 min Scan# 1066  
 Delta R.T. -0.000 min  
 Lab File: VN084232.D  
 Acq: 01 Oct 2024 12:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1001MBL01

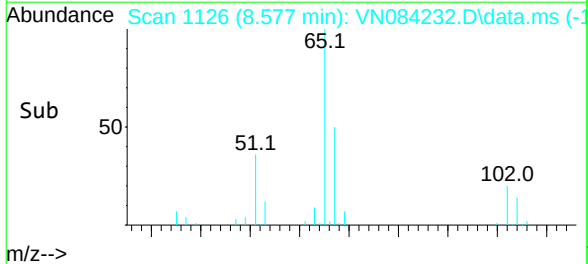
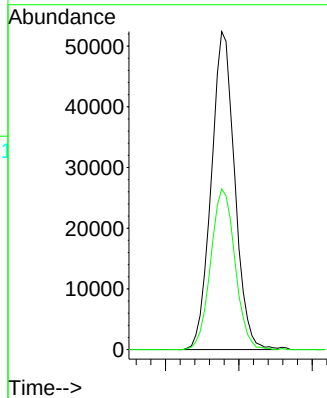
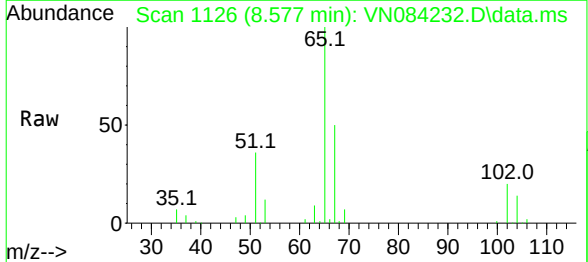


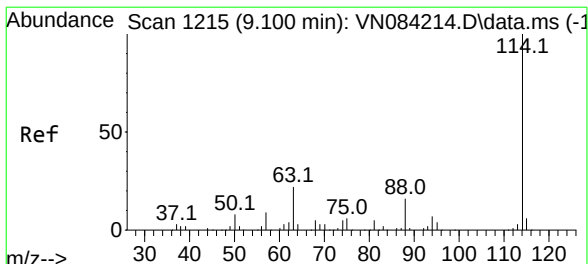
Tgt Ion: 168 Resp: 152736  
 Ion Ratio Lower Upper  
 168 100  
 99 65.3 54.2 81.2



#33  
 1,2-Dichloroethane-d4  
 Concen: 51.441 ug/l  
 RT: 8.577 min Scan# 1126  
 Delta R.T. -0.000 min  
 Lab File: VN084232.D  
 Acq: 01 Oct 2024 12:18

Tgt Ion: 65 Resp: 116492  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 102.0

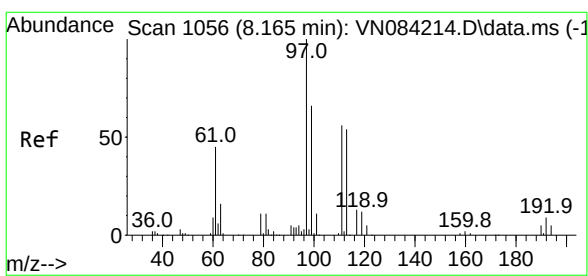
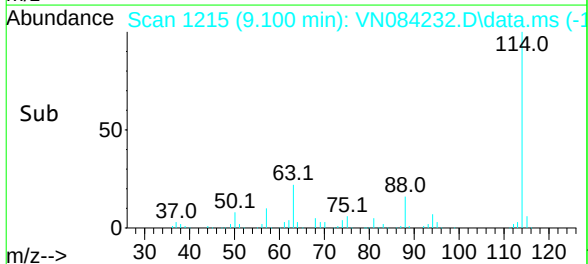
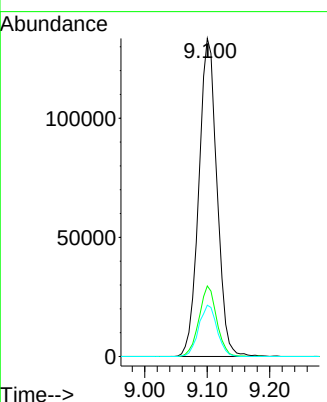
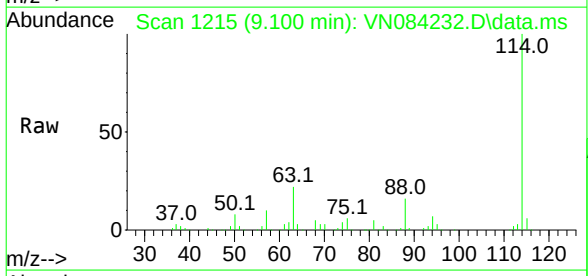




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 12  
 Delta R.T. 0.000 min  
 Lab File: VN084232.D  
 Acq: 01 Oct 2024 12:18

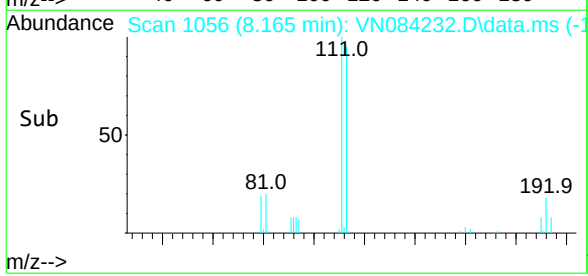
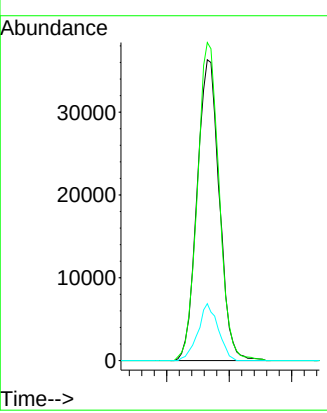
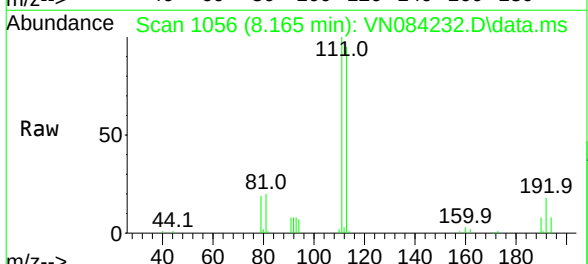
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1001MBL01

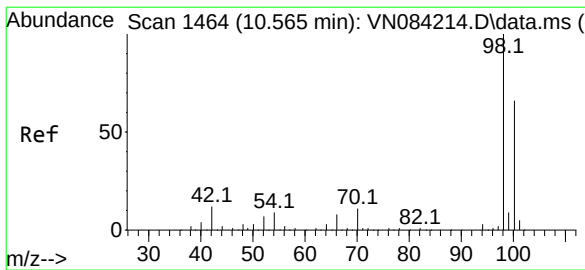
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 269074 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 22.2  | 0.0   | 43.8   |
| 88       | 16.1  | 0.0   | 31.6   |



#35  
 Dibromofluoromethane  
 Concen: 50.591 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.000 min  
 Lab File: VN084232.D  
 Acq: 01 Oct 2024 12:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 89744 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.1 | 83.3  | 124.9 |
| 192      | 17.2  | 13.5  | 20.3  |





#50

Toluene-d8

Concen: 49.500 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

Instrument :

MSVOA\_N

ClientSampleId :

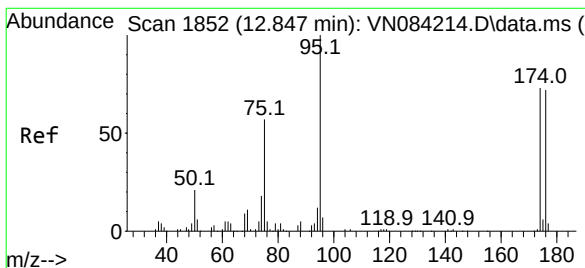
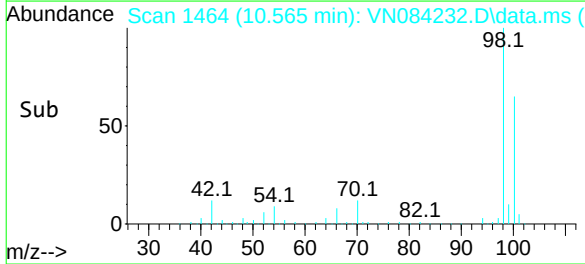
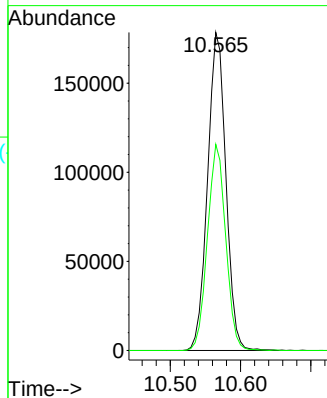
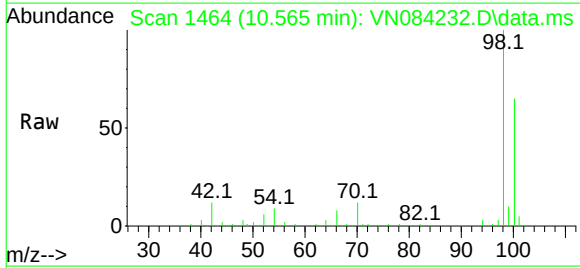
VN1001MBL01

Tgt Ion: 98 Resp: 323058

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 44.009 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

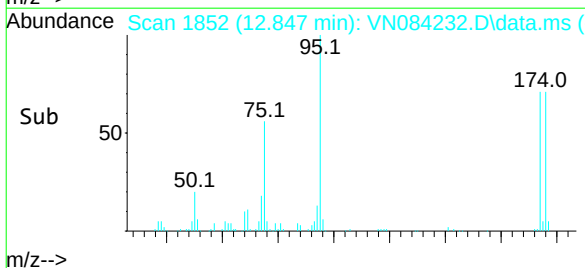
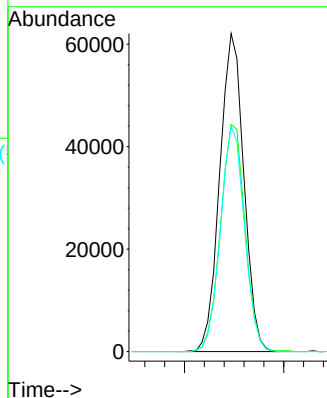
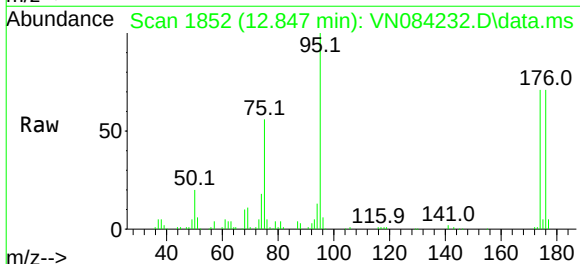
Tgt Ion: 95 Resp: 104637

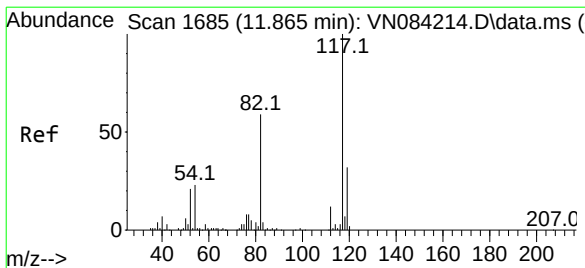
Ion Ratio Lower Upper

95 100

174 72.8 0.0 145.2

176 70.4 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. 0.000 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

Instrument :

MSVOA\_N

ClientSampleId :

VN1001MBL01

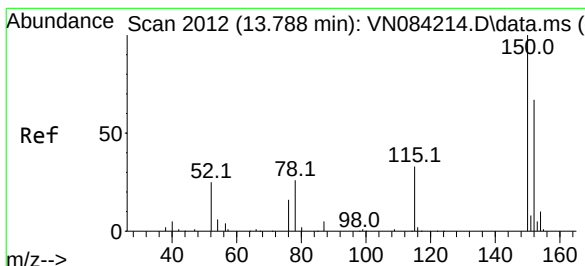
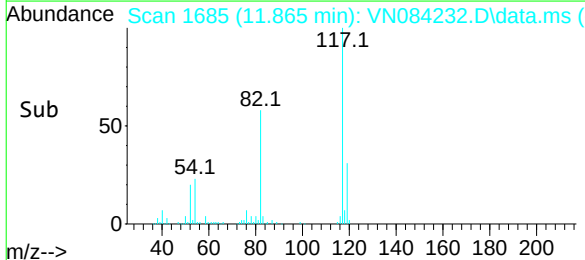
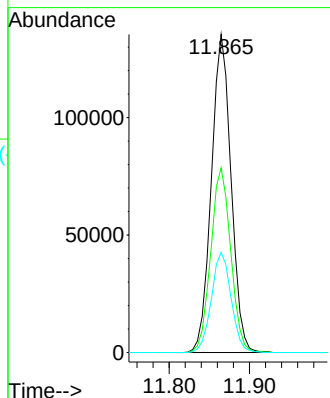
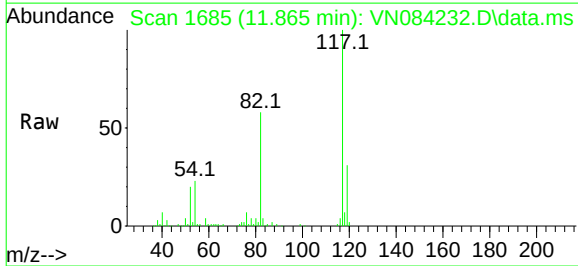
Tgt Ion:117 Resp: 230477

Ion Ratio Lower Upper

117 100

82 58.1 47.2 70.8

119 31.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

Tgt Ion:152 Resp: 95011

Ion Ratio Lower Upper

152 100

115 63.4 31.3 93.9

150 156.5 0.0 349.8

