

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100324\  
 Data File : VN084284.D  
 Acq On : 03 Oct 2024 09:18  
 Operator : JC\MD  
 Sample : VN1003MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1003MBL01

Quant Time: Oct 04 01:28:33 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       | 8.229  | 168            | 158087   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114            | 274878   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117            | 235277   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152            | 85994    | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.576  | 65             | 118649   | 50.620     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 101.240% |       |          |
| 35) Dibromofluoromethane    | 8.171  | 113            | 94393    | 52.088     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 104.180% |       |          |
| 50) Toluene-d8              | 10.565 | 98             | 332741   | 49.907     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 99.820%  |       |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 99544    | 40.983     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 77 - 121 | Recovery | = 81.960%  |       |          |

Target Compounds Qvalue

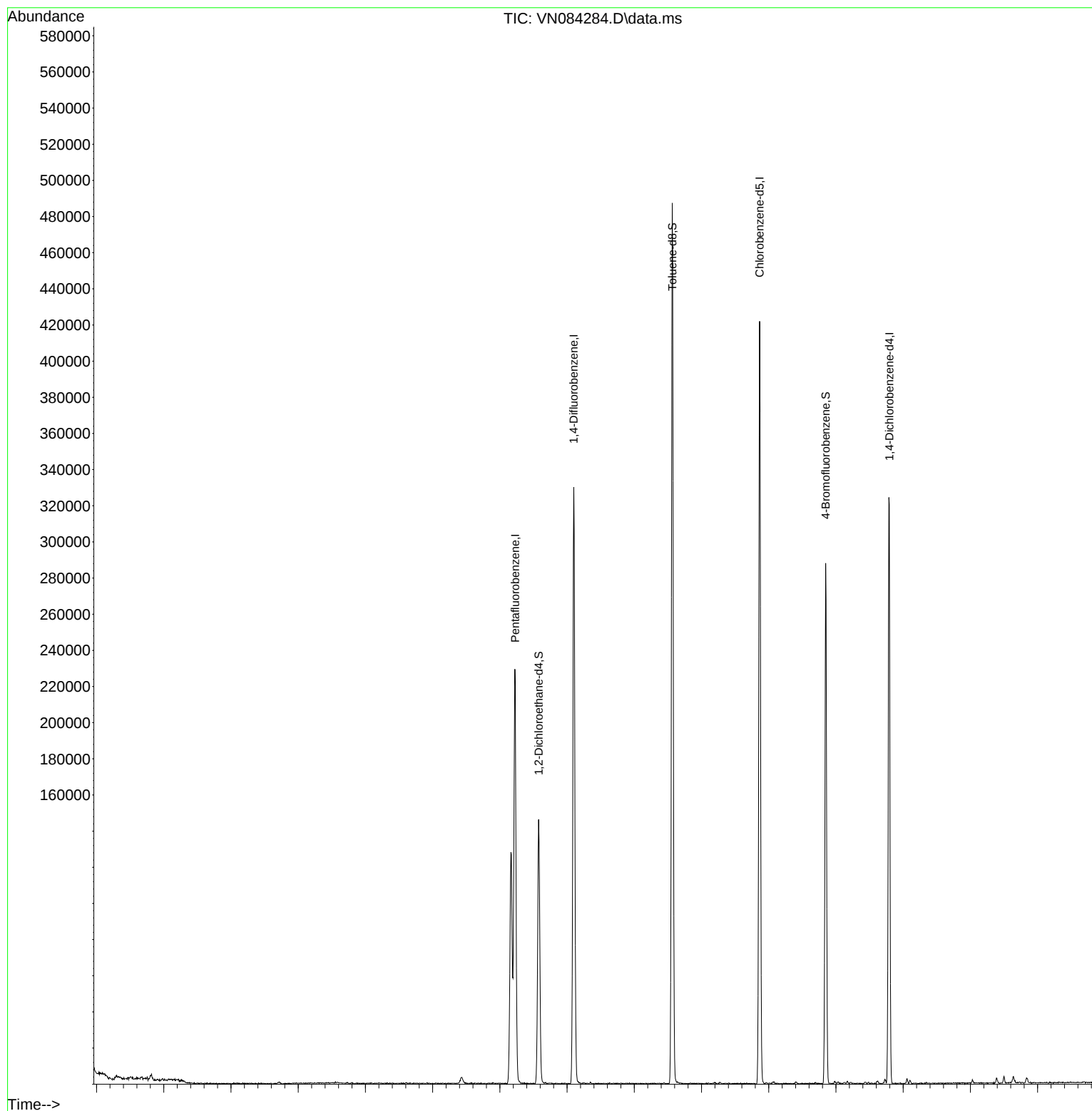
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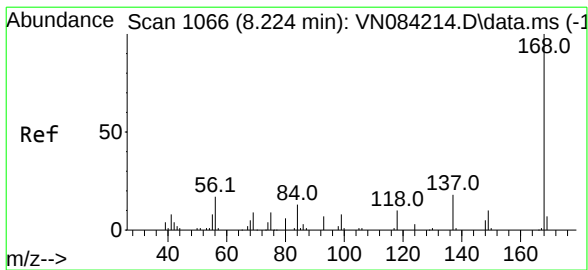
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1003MBL01

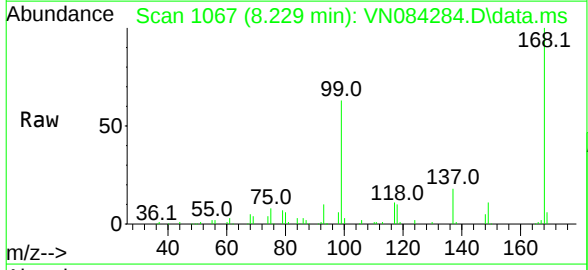
Quant Time: Oct 04 01:28:33 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration



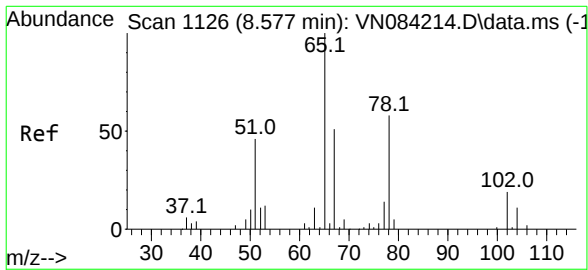
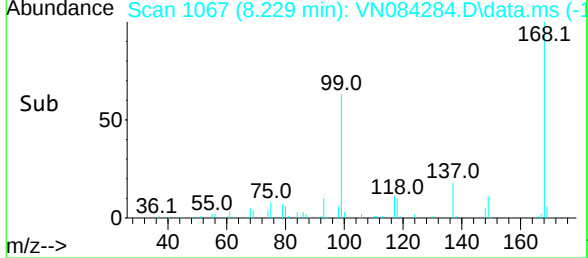
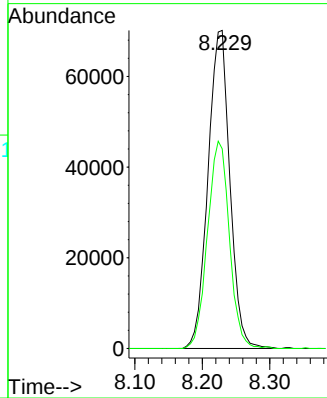


Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.229 min Scan# 1066  
 Delta R.T. 0.005 min  
 Lab File: VN084284.D  
 Acq: 03 Oct 2024 09:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1003MBL01

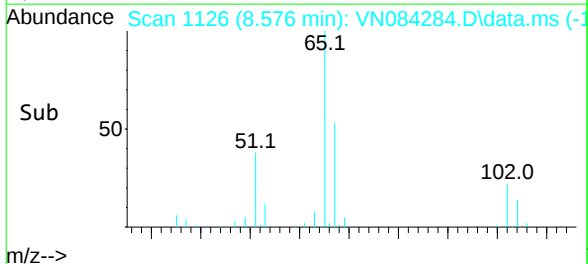
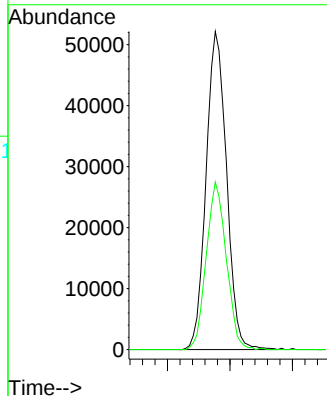
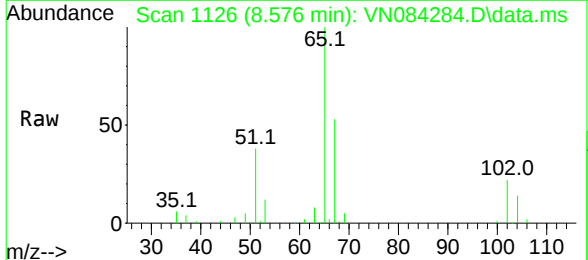


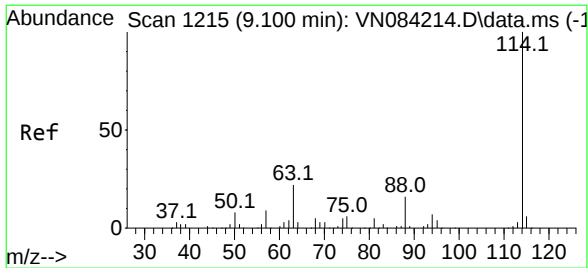
Tgt Ion:168 Resp: 158087  
 Ion Ratio Lower Upper  
 168 100  
 99 62.8 54.2 81.2



1,2-Dichloroethane-d4  
 Concen: 50.620 ug/l  
 RT: 8.576 min Scan# 1126  
 Delta R.T. -0.000 min  
 Lab File: VN084284.D  
 Acq: 03 Oct 2024 09:18

Tgt Ion: 65 Resp: 118649  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 102.0

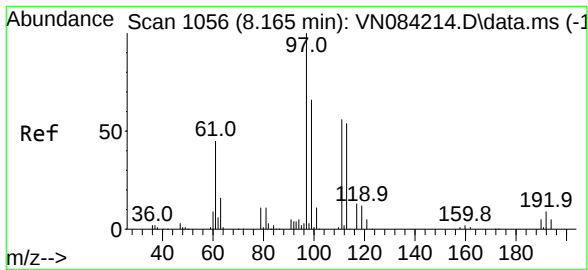
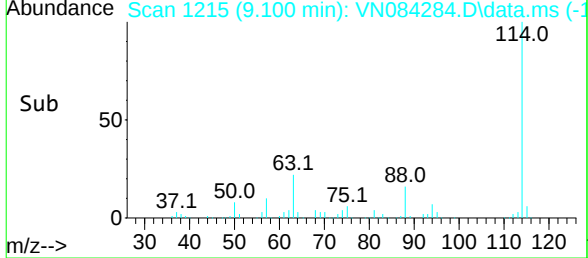
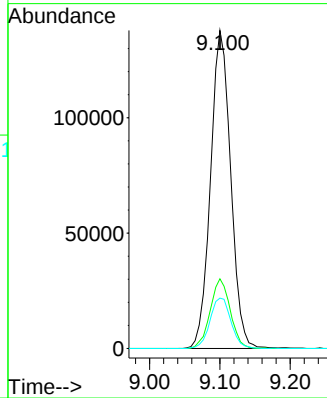
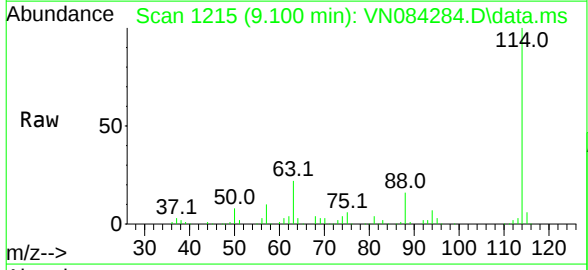




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. -0.000 min  
Lab File: VN084284.D  
Acq: 03 Oct 2024 09:18

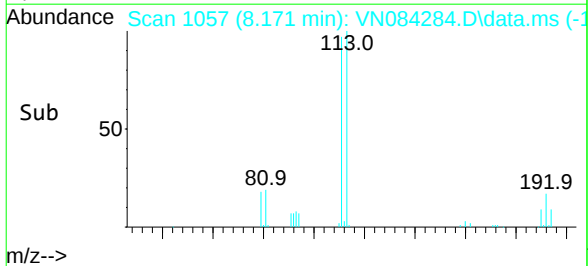
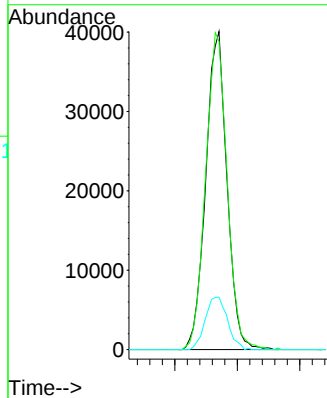
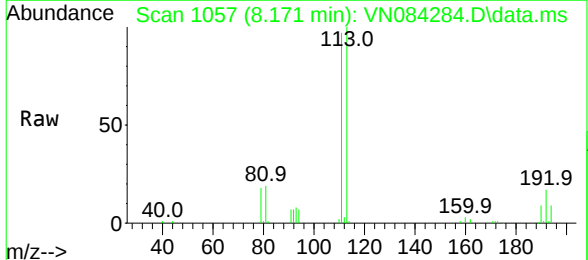
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1003MBL01

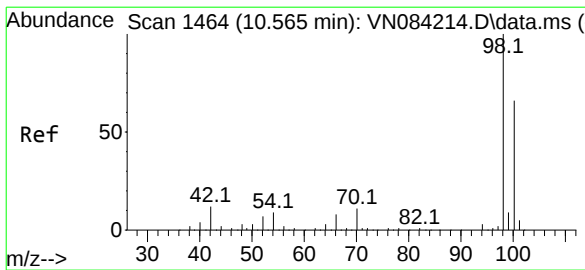
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 274878 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.9  | 0.0   | 43.8   |
| 88       | 15.8  | 0.0   | 31.6   |



#35  
Dibromofluoromethane  
Concen: 52.088 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN084284.D  
Acq: 03 Oct 2024 09:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 94393 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.0 | 83.3  | 124.9 |
| 192      | 17.3  | 13.5  | 20.3  |





#50

Toluene-d8

Concen: 49.907 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084284.D

Acq: 03 Oct 2024 09:18

Instrument :

MSVOA\_N

ClientSampleId :

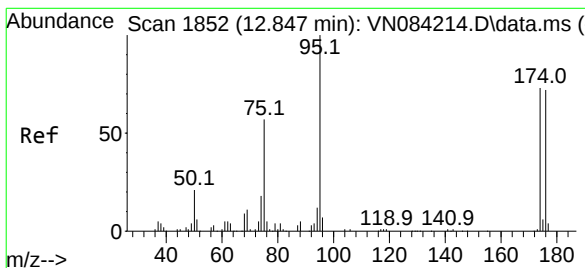
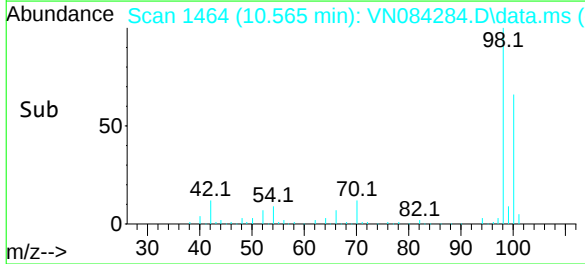
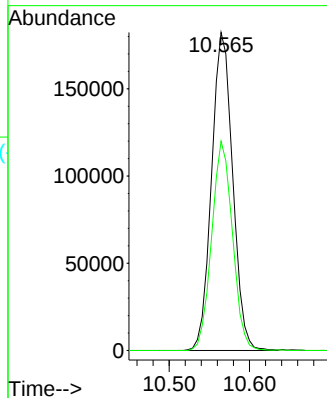
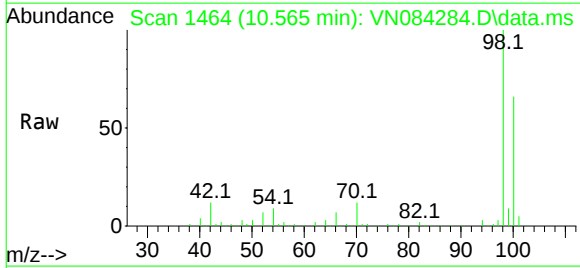
VN1003MBL01

Tgt Ion: 98 Resp: 332741

Ion Ratio Lower Upper

98 100

100 64.8 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 40.983 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084284.D

Acq: 03 Oct 2024 09:18

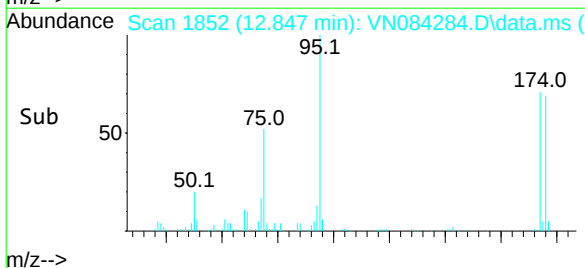
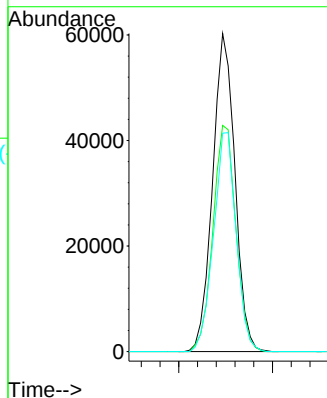
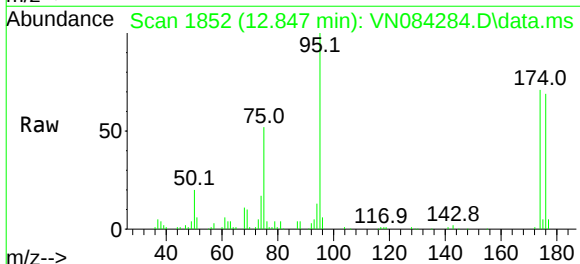
Tgt Ion: 95 Resp: 99544

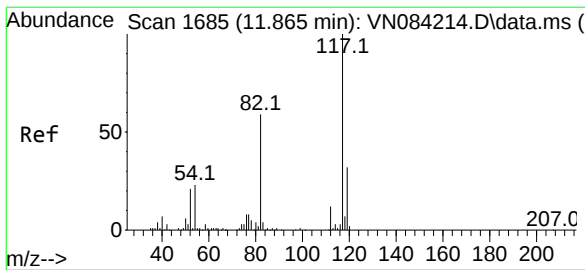
Ion Ratio Lower Upper

95 100

174 73.2 0.0 145.2

176 69.9 0.0 140.0

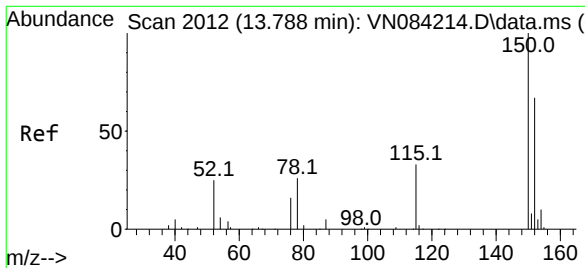
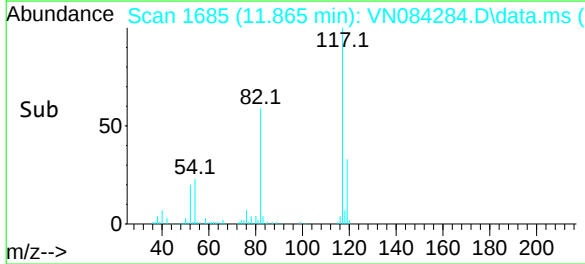
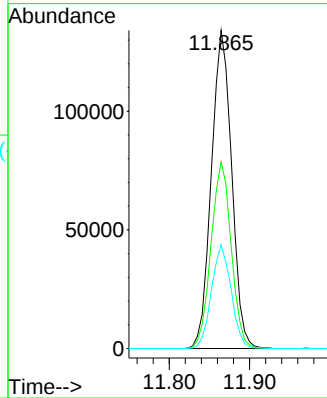
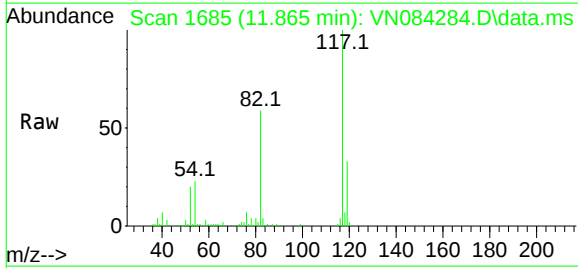




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 16  
Delta R.T. -0.000 min  
Lab File: VN084284.D  
Acq: 03 Oct 2024 09:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1003MBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 235277 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 58.7  | 47.2  | 70.8   |
| 119      | 32.6  | 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: VN084284.D  
Acq: 03 Oct 2024 09:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 85994 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 63.3  | 31.3  | 93.9  |
| 150      | 157.8 | 0.0   | 349.8 |

