

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081324\  
 Data File : VN083248.D  
 Acq On : 13 Aug 2024 11:16  
 Operator : JC\MD  
 Sample : VN0813WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0813WBL01

Quant Time: Aug 14 01:39:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:30:41 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon           | Response | Conc       | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|-------|----------|
| -----                       |        |                |          |            |       |          |
| Internal Standards          |        |                |          |            |       |          |
| 1) Pentafluorobenzene       | 8.224  | 168            | 151482   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114            | 289244   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117            | 291555   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152            | 128023   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65             | 121149   | 56.187     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 112.380% |       |          |
| 35) Dibromofluoromethane    | 8.165  | 113            | 94883    | 52.555     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 105.120% |       |          |
| 50) Toluene-d8              | 10.565 | 98             | 357867   | 53.139     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 106.280% |       |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 148317   | 56.490     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 64 - 133 | Recovery | = 112.980% |       |          |

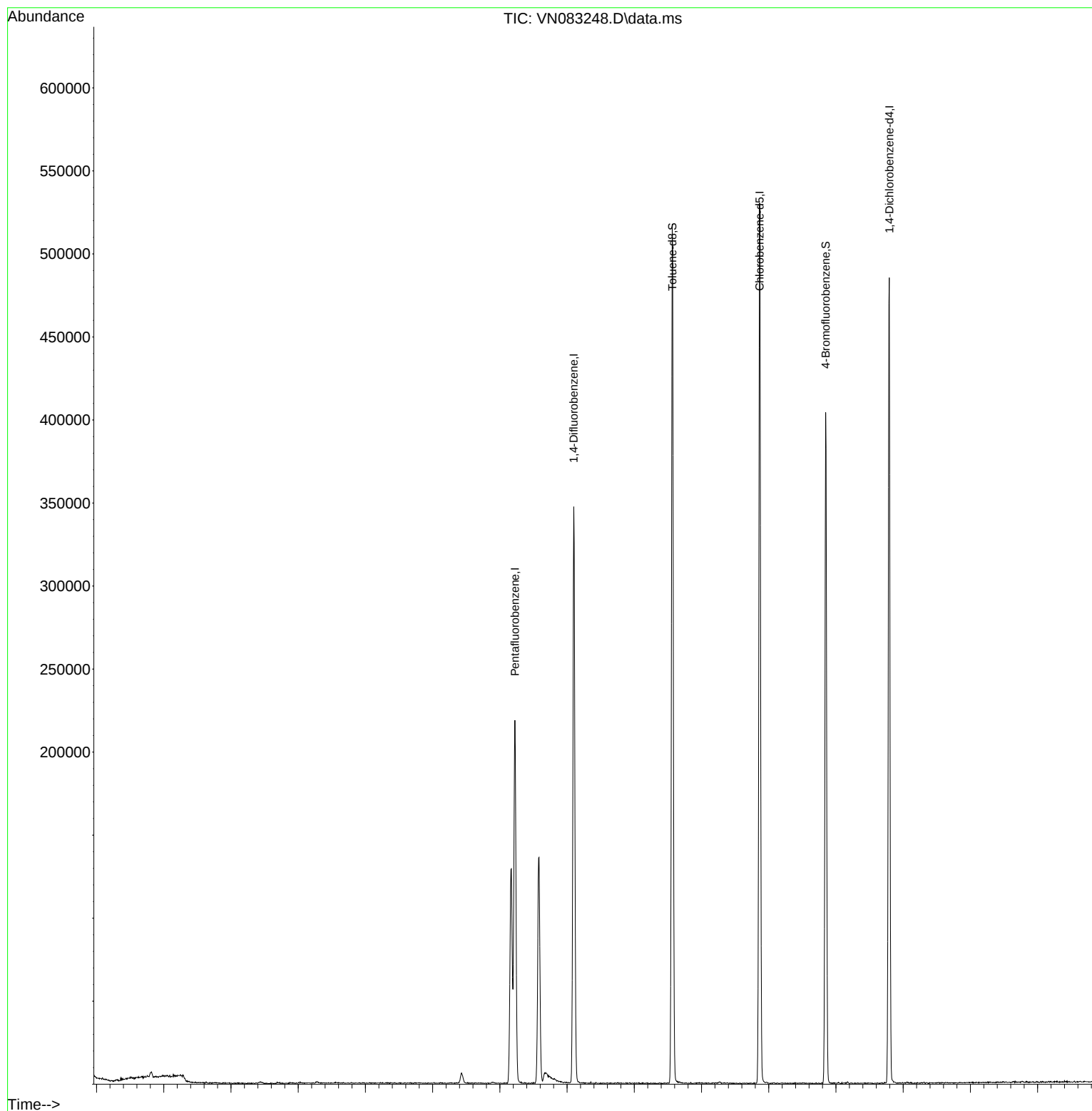
Target Compounds Qvalue

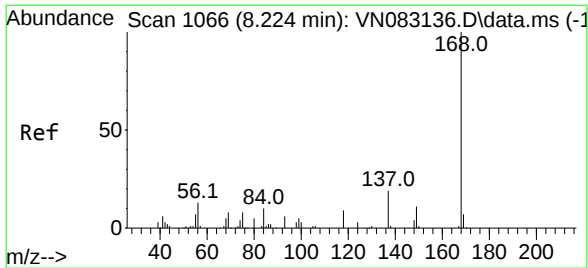
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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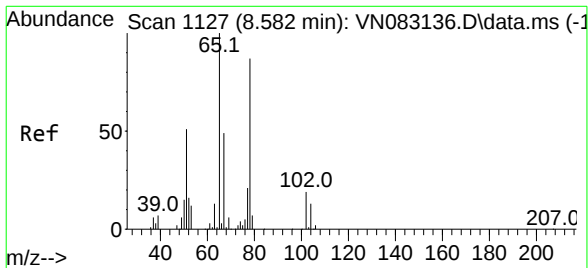
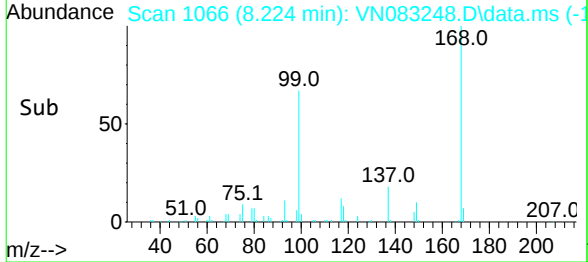
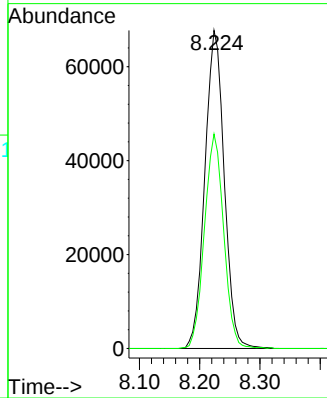
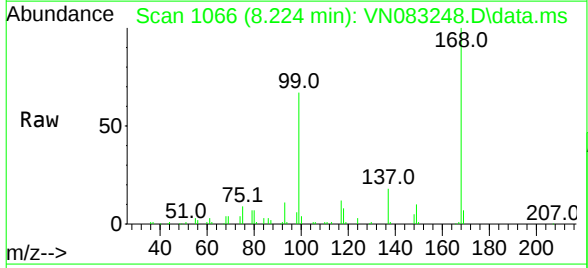




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083248.D  
Acq: 13 Aug 2024 11:16

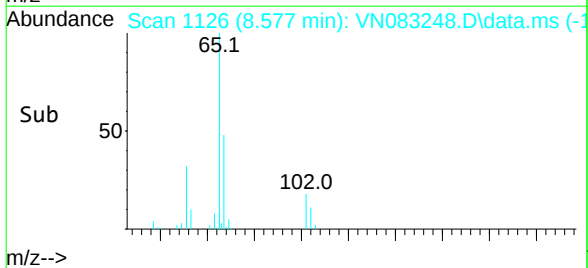
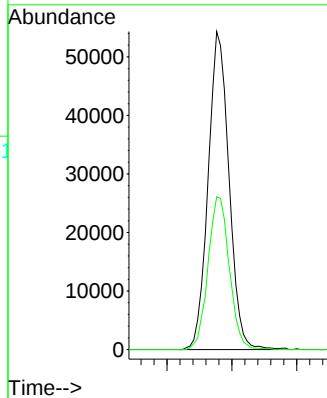
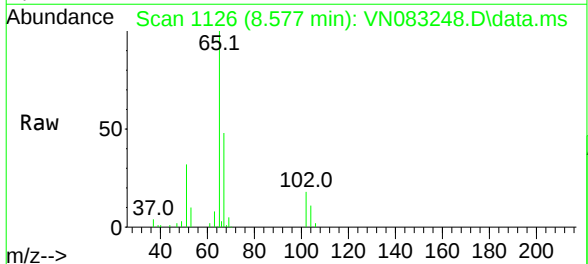
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0813WBL01

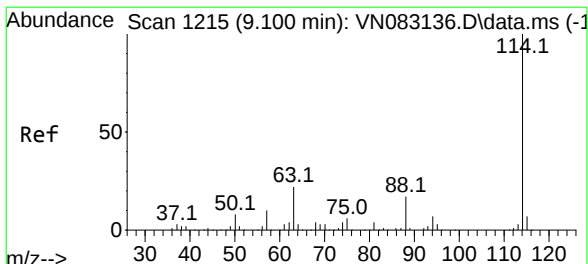
Tgt Ion: 168 Resp: 151482  
Ion Ratio Lower Upper  
168 100  
99 67.4 48.2 72.4



#33  
1,2-Dichloroethane-d4  
Concen: 56.187 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VN083248.D  
Acq: 13 Aug 2024 11:16

Tgt Ion: 65 Resp: 121149  
Ion Ratio Lower Upper  
65 100  
67 49.2 0.0 104.4

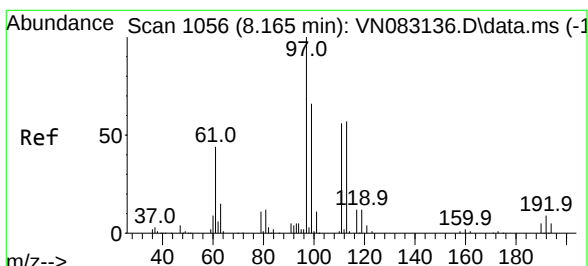
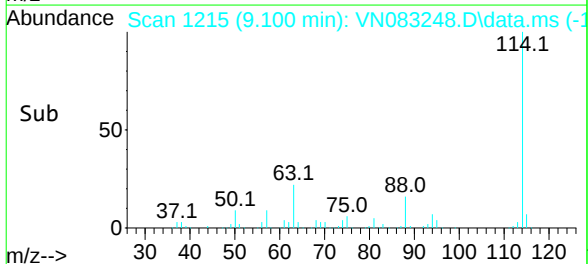
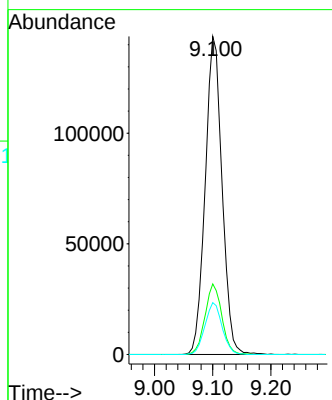
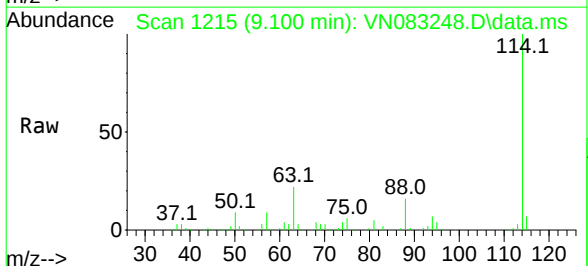




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.000 min  
 Lab File: VN083248.D  
 Acq: 13 Aug 2024 11:16

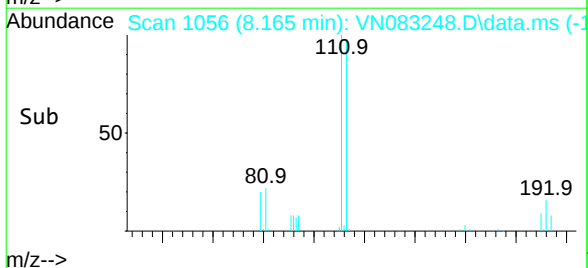
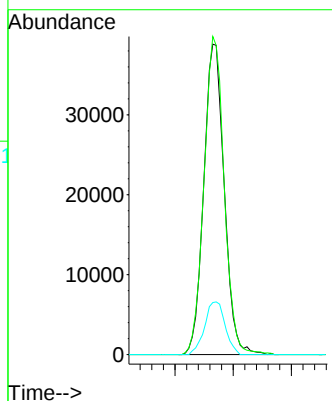
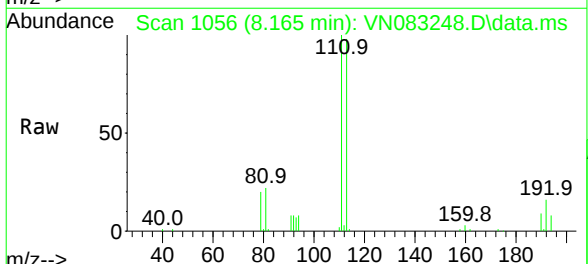
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0813WBL01

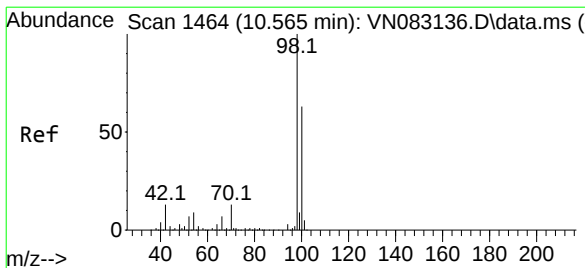
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 289244 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 22.2  | 0.0   | 44.6   |
| 88       | 16.3  | 0.0   | 31.4   |



#35  
 Dibromofluoromethane  
 Concen: 52.555 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.000 min  
 Lab File: VN083248.D  
 Acq: 13 Aug 2024 11:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 94883 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.4 | 82.4  | 123.6 |
| 192      | 17.0  | 14.9  | 22.3  |





#50

Toluene-d8

Concen: 53.139 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083248.D

Acq: 13 Aug 2024 11:16

Instrument :

MSVOA\_N

ClientSampleId :

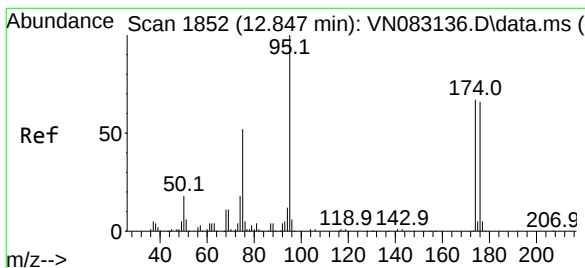
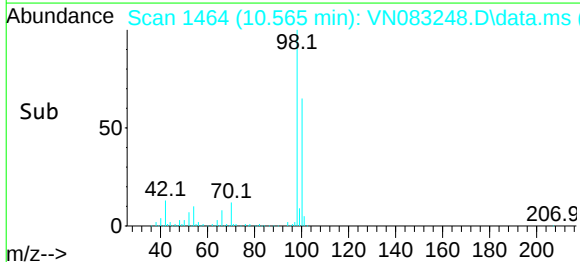
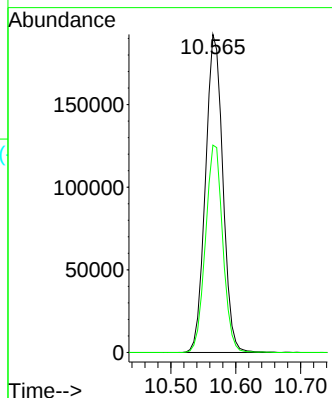
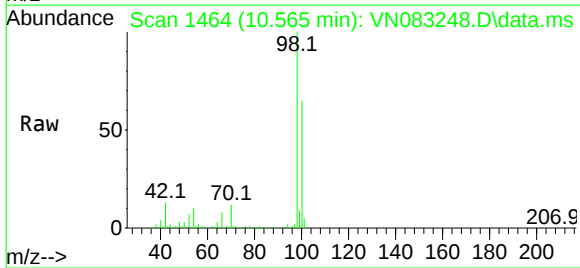
VN0813WBL01

Tgt Ion: 98 Resp: 357867

Ion Ratio Lower Upper

98 100

100 65.0 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 56.490 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN083248.D

Acq: 13 Aug 2024 11:16

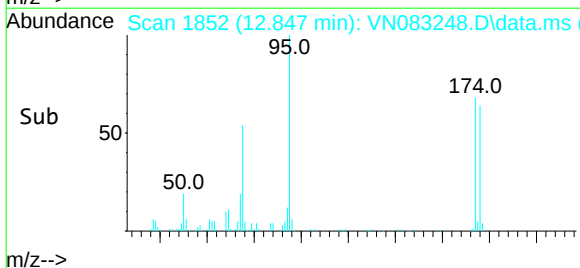
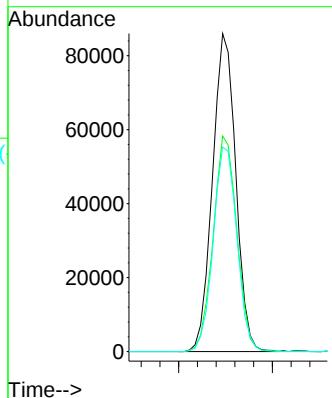
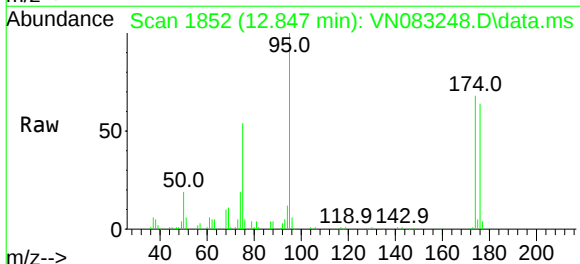
Tgt Ion: 95 Resp: 148317

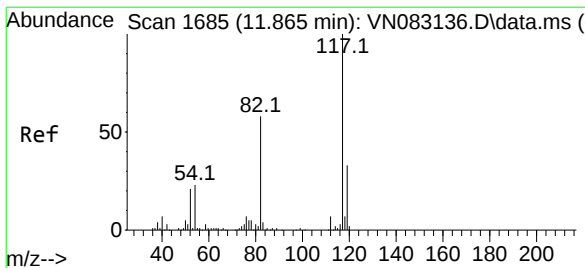
Ion Ratio Lower Upper

95 100

174 69.1 0.0 159.2

176 65.6 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. 0.000 min

Lab File: VN083248.D

Acq: 13 Aug 2024 11:16

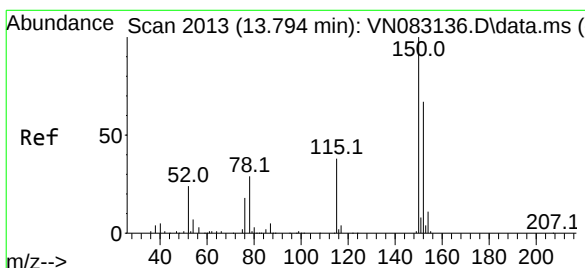
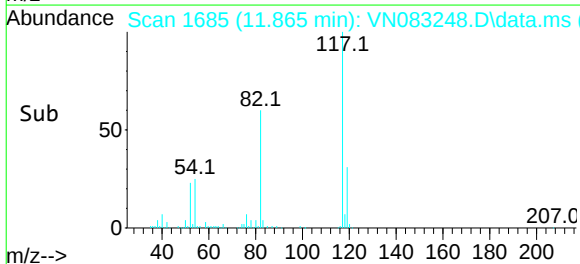
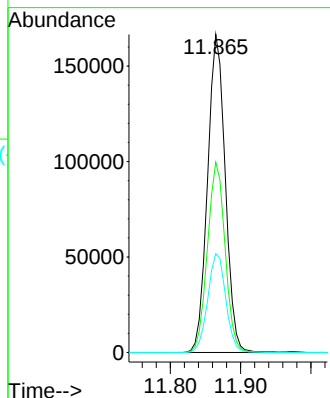
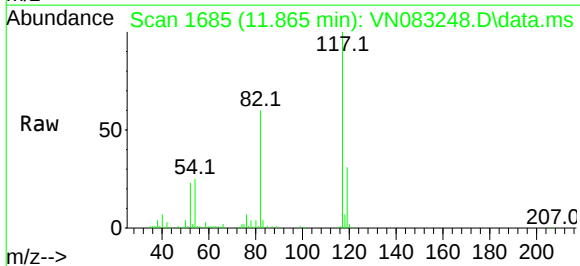
Instrument :

MSVOA\_N

ClientSampleId :

VN0813WBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 291555 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 59.8  | 47.5  | 71.3   |
| 119      | 31.1  | 25.6  | 38.4   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN083248.D

Acq: 13 Aug 2024 11:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 128023 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 63.9  | 30.6  | 91.6   |
| 150      | 159.3 | 0.0   | 348.6  |

