

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052924\  
 Data File : VN082363.D  
 Acq On : 29 May 2024 10:51  
 Operator : JC\MD  
 Sample : VN0529MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0529MBL01

Quant Time: May 30 05:39:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 201071   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 350245   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 325785   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 138153   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 156682   | 49.349   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 98.700%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 113455   | 52.658   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 105.320% |
| 50) Toluene-d8              | 10.565 | 98    | 438065   | 53.032   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 106.060% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 152571   | 51.748   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 103.500% |

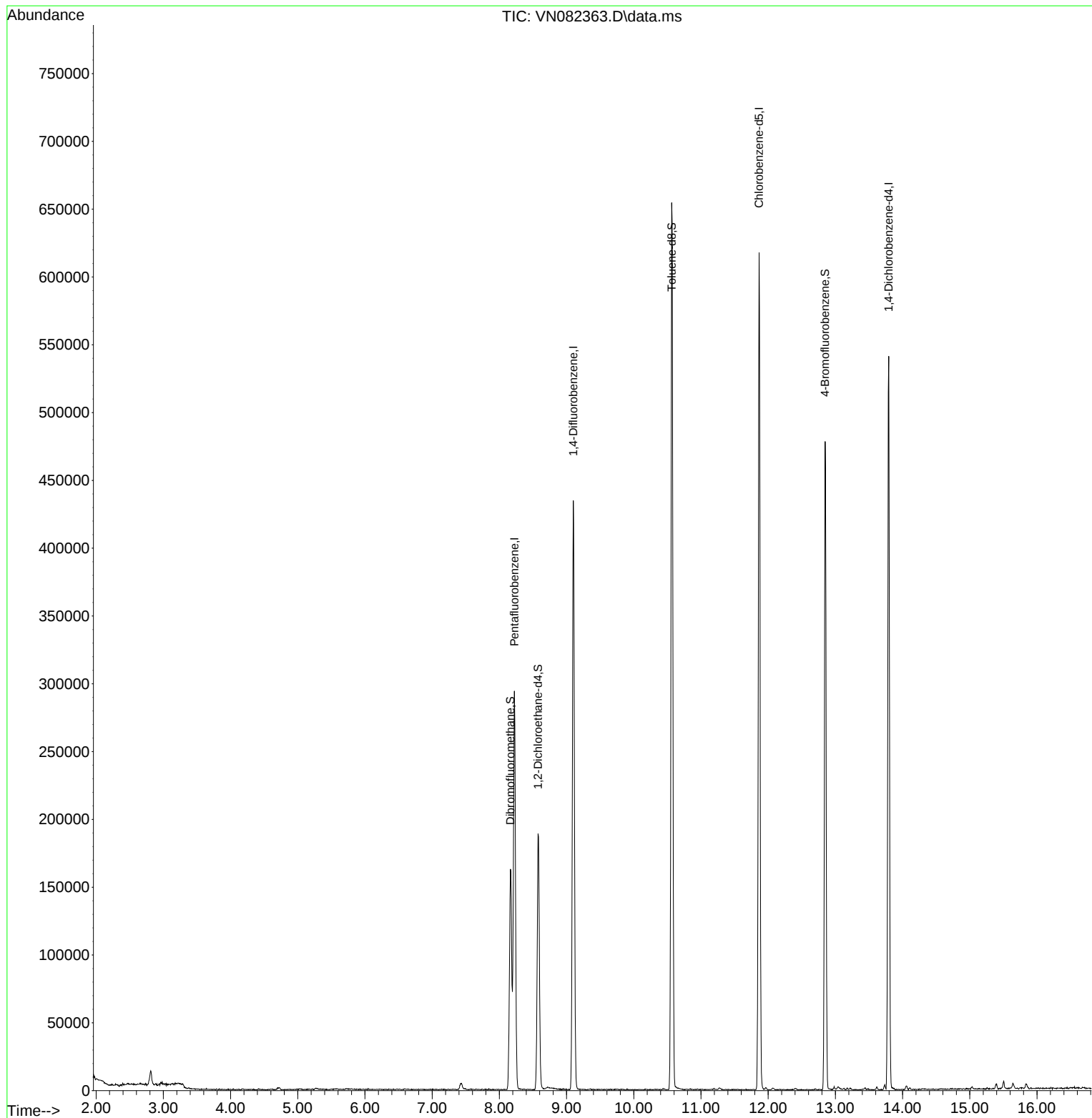
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

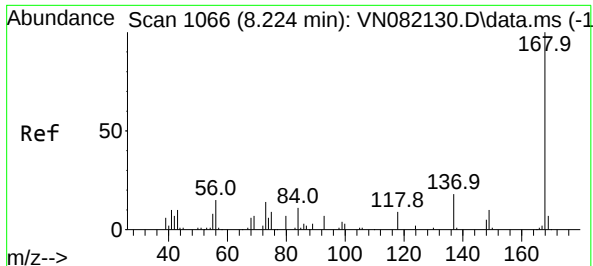
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0529MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529MBL01

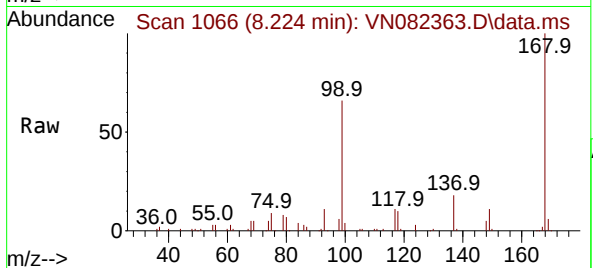
Quant Time: May 30 05:39:49 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 16 05:21:06 2024  
Response via : Initial Calibration



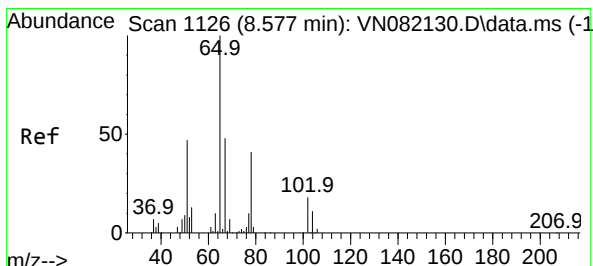
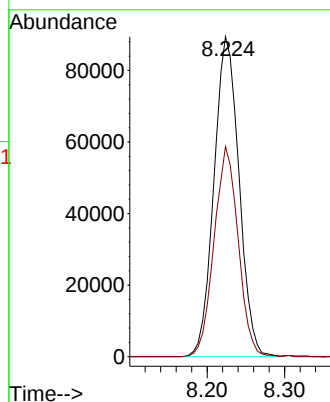
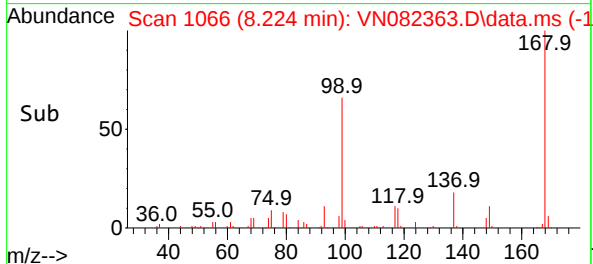


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN082363.D  
Acq: 29 May 2024 10:51

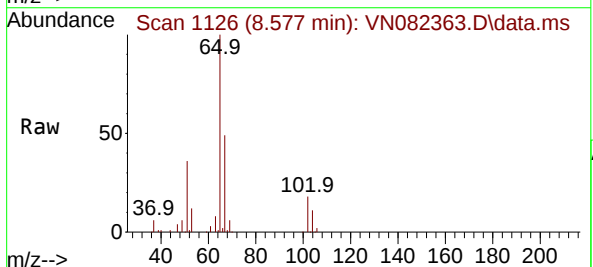
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529MBL01



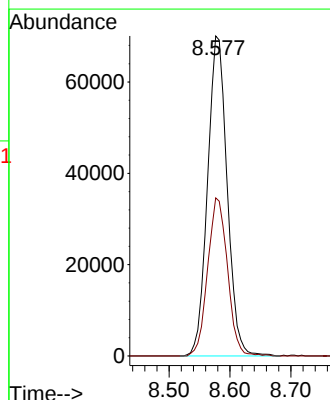
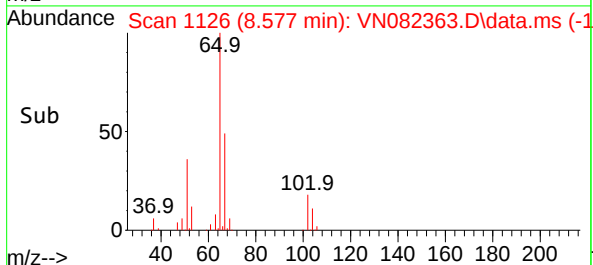
Tgt Ion:168 Resp: 201071  
Ion Ratio Lower Upper  
168 100  
99 65.7 48.2 72.4

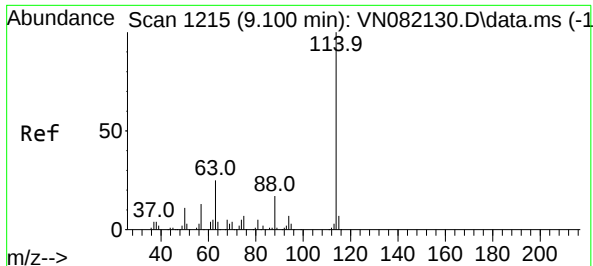


#33  
1,2-Dichloroethane-d4  
Concen: 49.349 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN082363.D  
Acq: 29 May 2024 10:51



Tgt Ion: 65 Resp: 156682  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082363.D

Acq: 29 May 2024 10:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0529MBL01

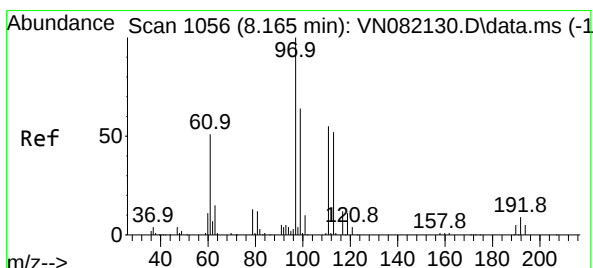
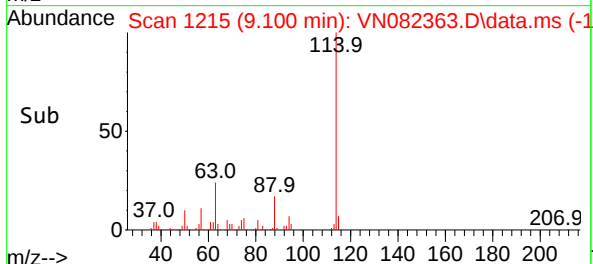
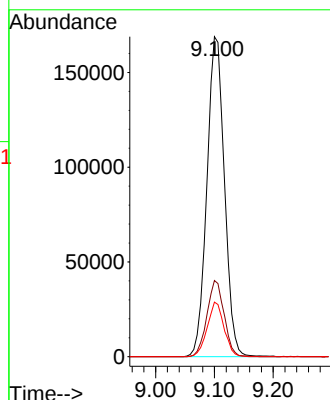
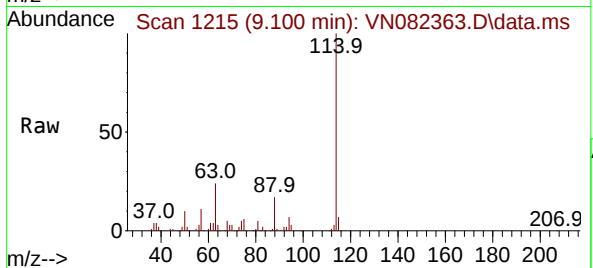
Tgt Ion:114 Resp: 350245

Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.0

88 17.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.658 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082363.D

Acq: 29 May 2024 10:51

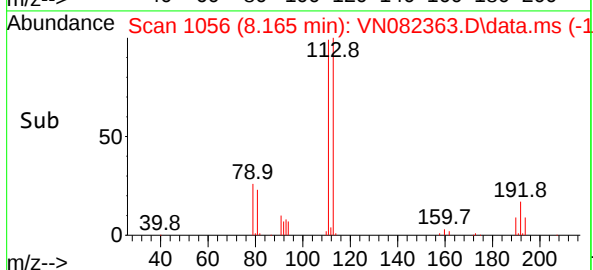
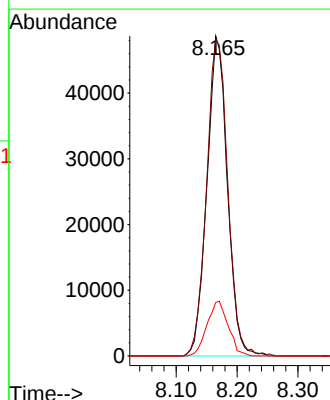
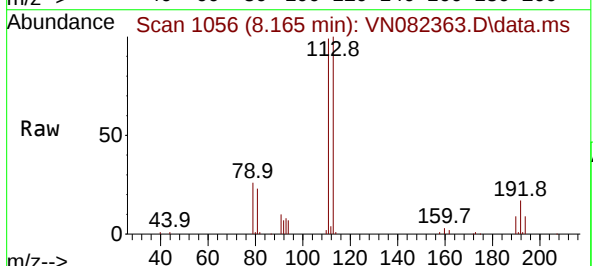
Tgt Ion:113 Resp: 113455

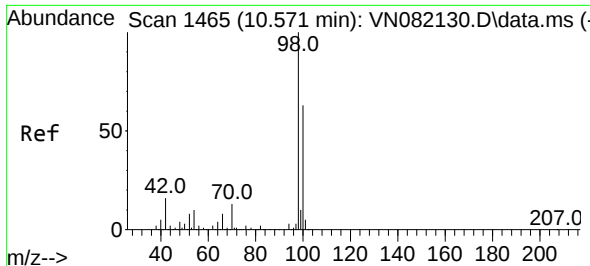
Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

192 17.8 14.0 21.0

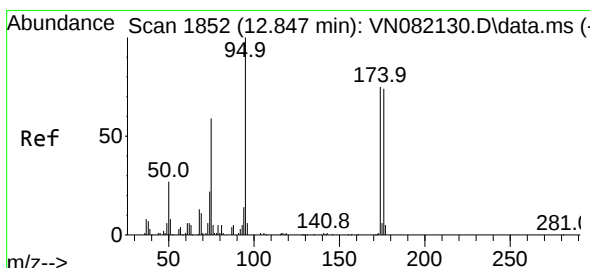
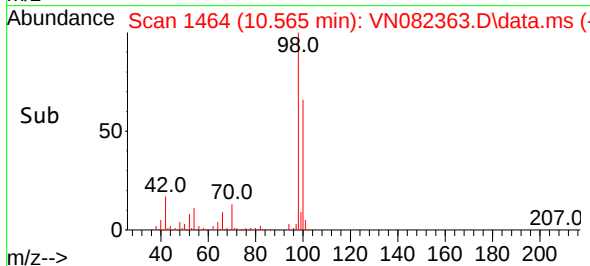
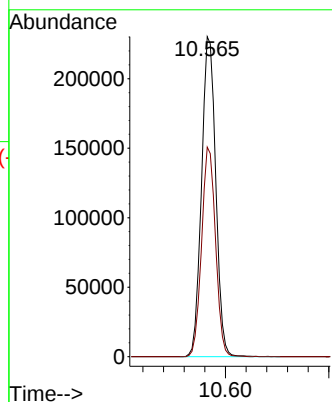
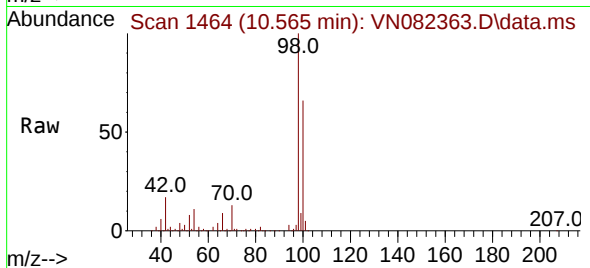




#50  
Toluene-d8  
Concen: 53.032 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN082363.D  
Acq: 29 May 2024 10:51

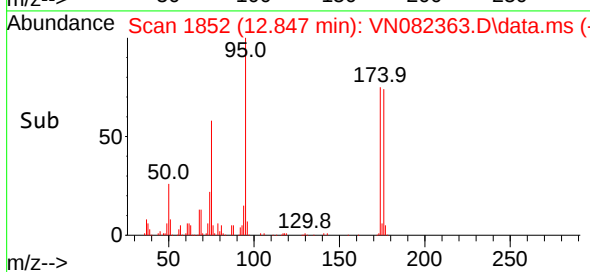
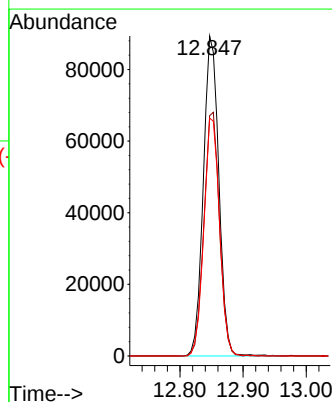
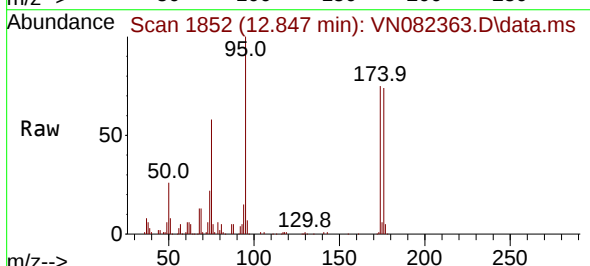
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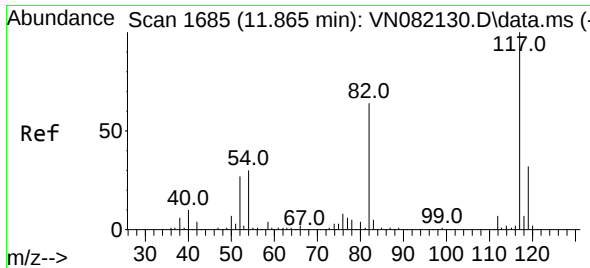
Tgt Ion: 98 Resp: 438065  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 51.748 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN082363.D  
Acq: 29 May 2024 10:51

Tgt Ion: 95 Resp: 152571  
Ion Ratio Lower Upper  
95 100  
174 76.2 0.0 160.6  
176 75.1 0.0 152.8

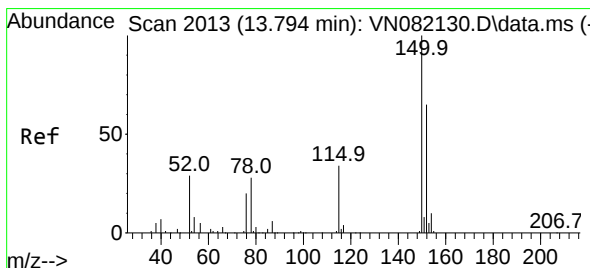
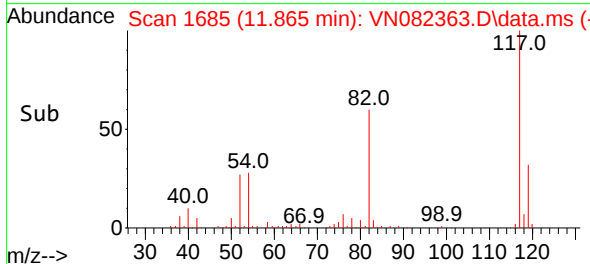
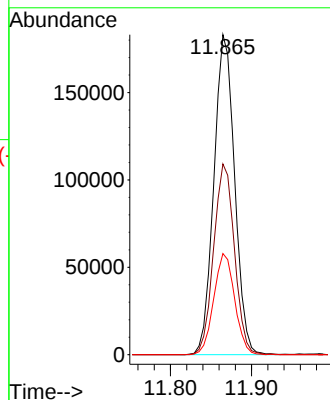
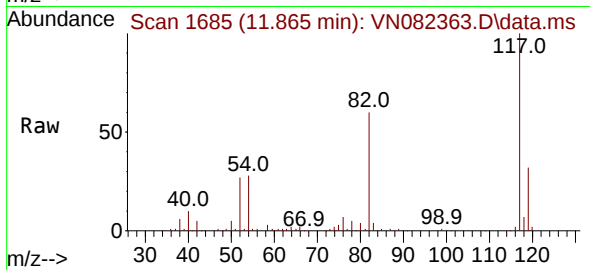




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN082363.D  
Acq: 29 May 2024 10:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0529MBL01

Tgt Ion:117 Resp: 325785  
Ion Ratio Lower Upper  
117 100  
82 59.6 44.6 66.8  
119 31.6 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN082363.D  
Acq: 29 May 2024 10:51

Tgt Ion:152 Resp: 138153  
Ion Ratio Lower Upper  
152 100  
115 59.9 30.4 91.3  
150 156.6 0.0 353.2

