

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082224\  
 Data File : VN083425.D  
 Acq On : 22 Aug 2024 10:29  
 Operator : JC\MD  
 Sample : VN0822MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0822MBL01

Quant Time: Aug 23 01:38:10 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  | 145728   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 291643   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 307294   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 147049   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.576  | 65    | 110730   | 53.383   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 106.760% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 88792    | 48.777   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.560%  |
| 50) Toluene-d8              | 10.565 | 98    | 316285   | 46.578   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 93.160%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 147214   | 55.609   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 111.220% |

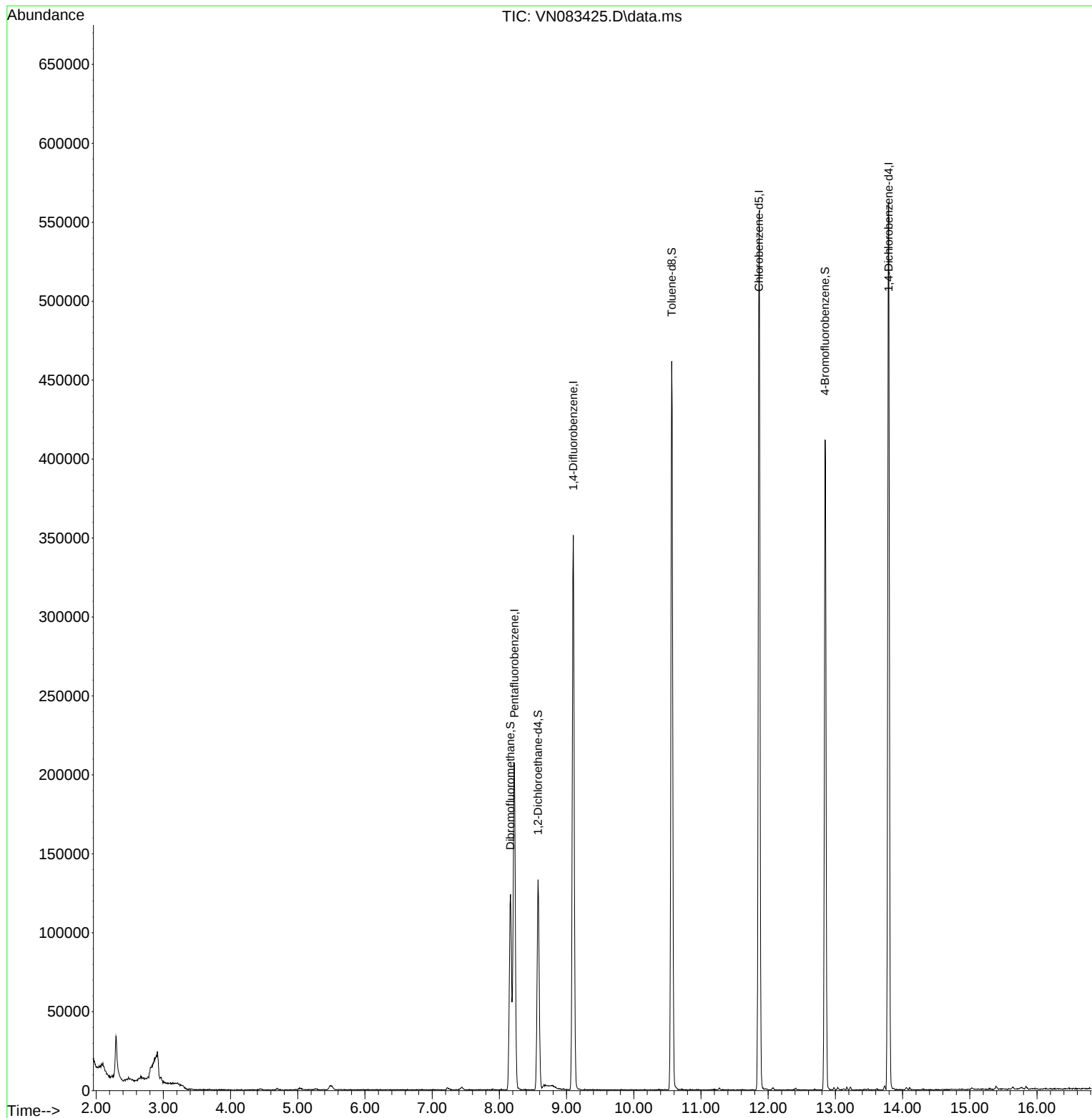
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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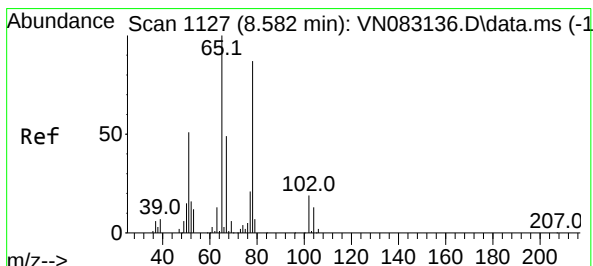
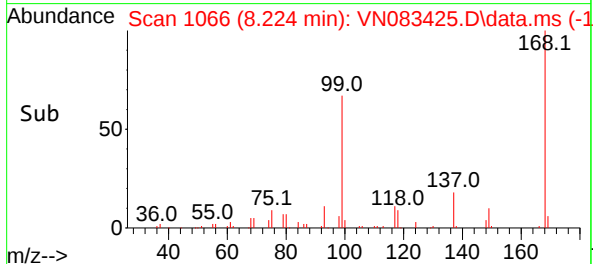
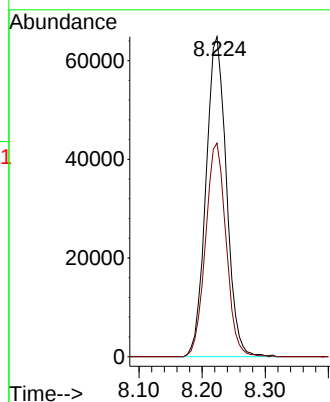
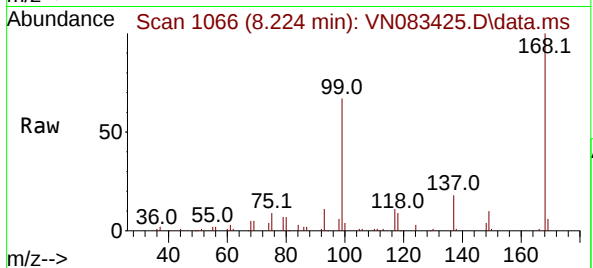




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083425.D  
Acq: 22 Aug 2024 10:29

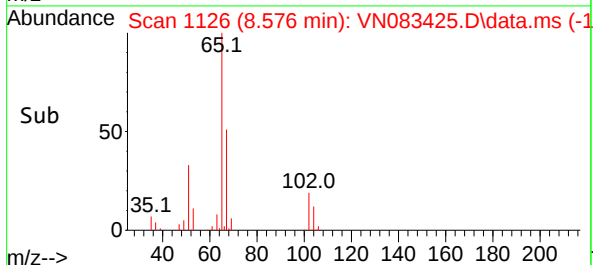
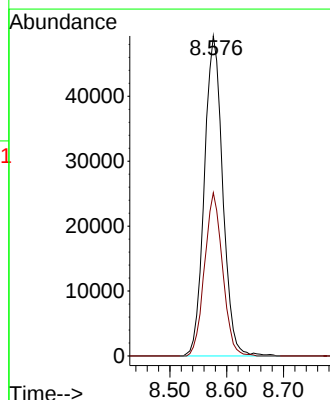
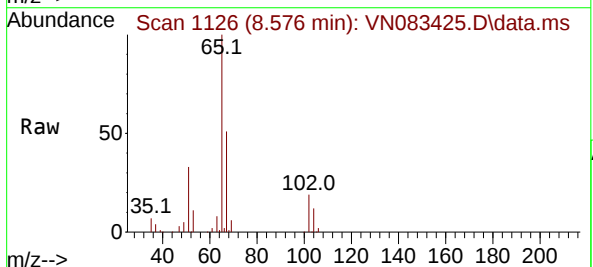
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0822MBL01

Tgt Ion:168 Resp: 145728  
Ion Ratio Lower Upper  
168 100  
99 66.8 48.2 72.4



#33  
1,2-Dichloroethane-d4  
Concen: 53.383 ug/l  
RT: 8.576 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VN083425.D  
Acq: 22 Aug 2024 10:29

Tgt Ion: 65 Resp: 110730  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 104.4

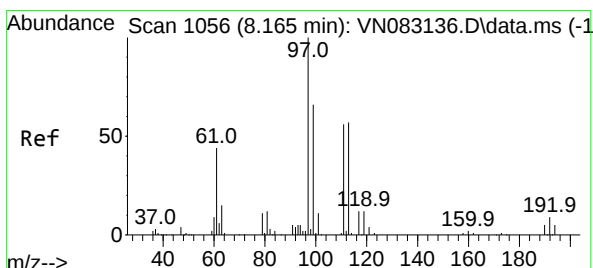
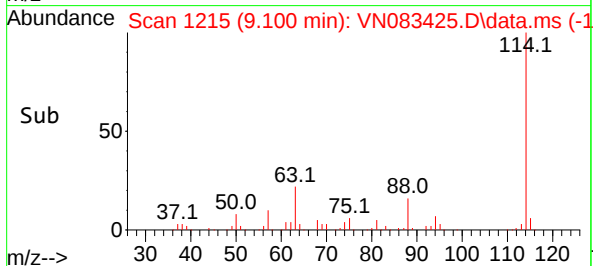
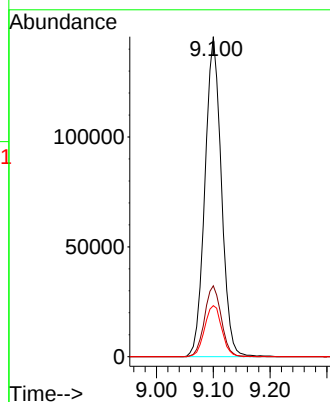
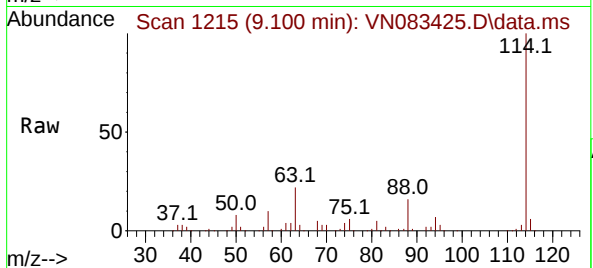




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN083425.D  
Acq: 22 Aug 2024 10:29

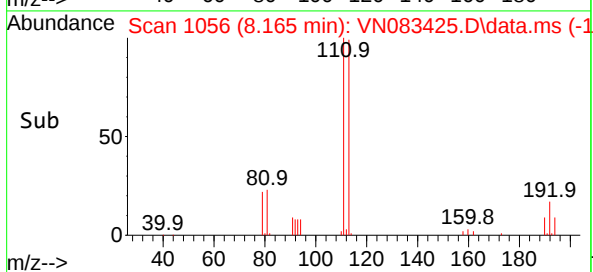
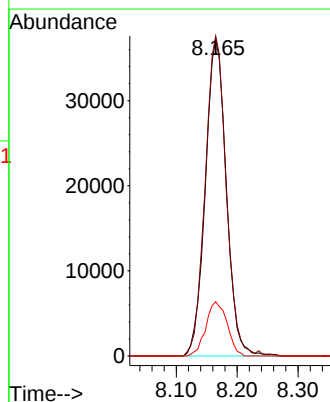
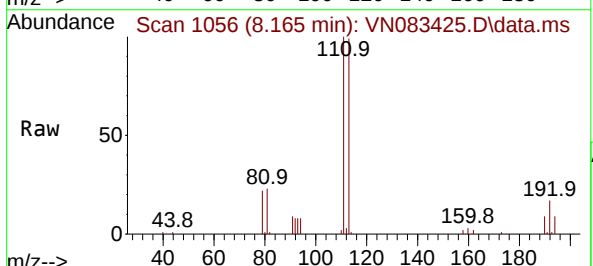
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0822MBL01

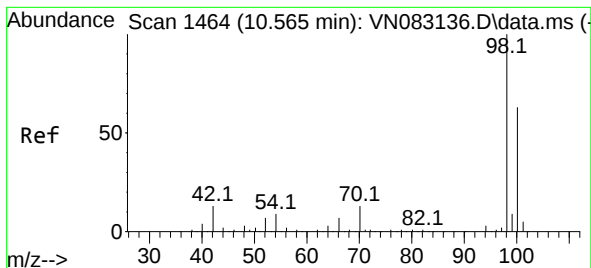
Tgt Ion:114 Resp: 291643  
Ion Ratio Lower Upper  
114 100  
63 22.1 0.0 44.6  
88 15.9 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 48.777 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN083425.D  
Acq: 22 Aug 2024 10:29

Tgt Ion:113 Resp: 88792  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.4 123.6  
192 17.4 14.9 22.3





#50

Toluene-d8

Concen: 46.578 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083425.D

Acq: 22 Aug 2024 10:29

Instrument :

MSVOA\_N

ClientSampleId :

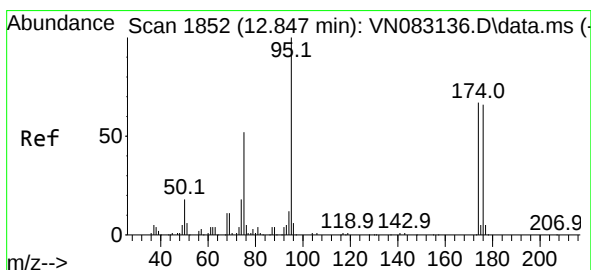
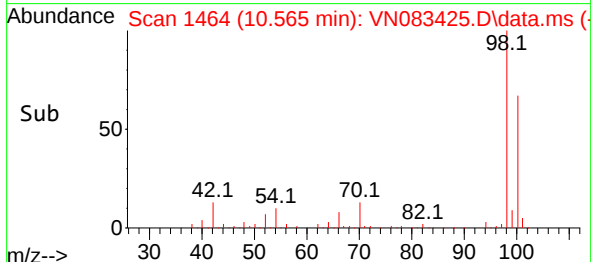
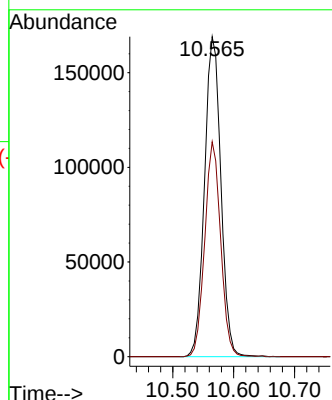
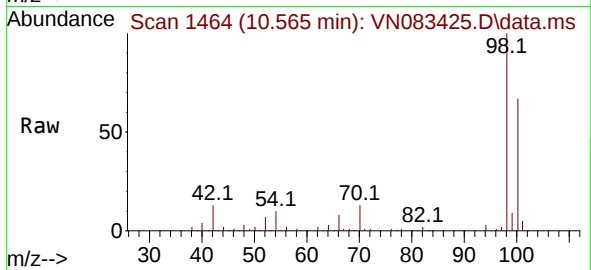
VN0822MBL01

Tgt Ion: 98 Resp: 316285

Ion Ratio Lower Upper

98 100

100 65.3 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 55.609 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083425.D

Acq: 22 Aug 2024 10:29

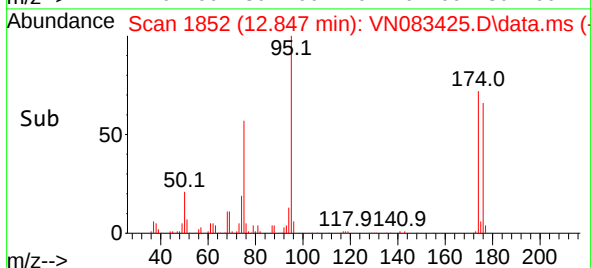
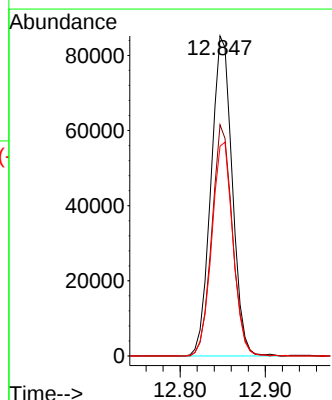
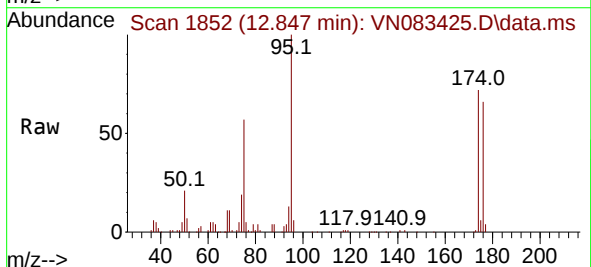
Tgt Ion: 95 Resp: 147214

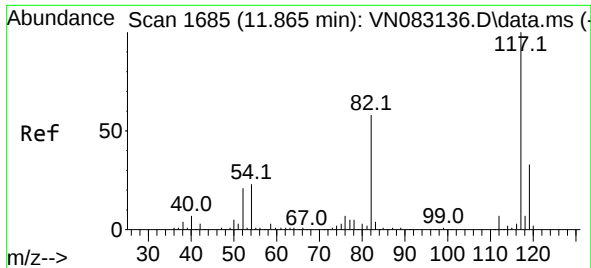
Ion Ratio Lower Upper

95 100

174 70.0 0.0 159.2

176 66.5 0.0 147.6

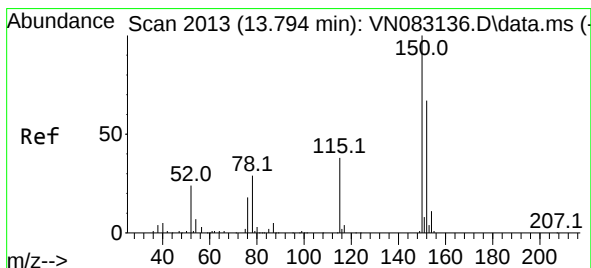
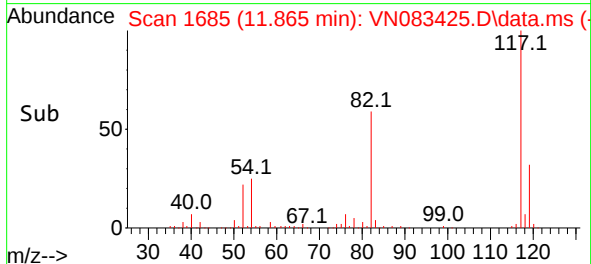
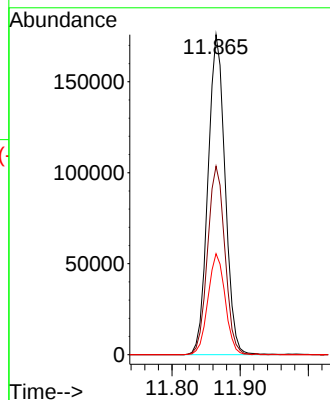
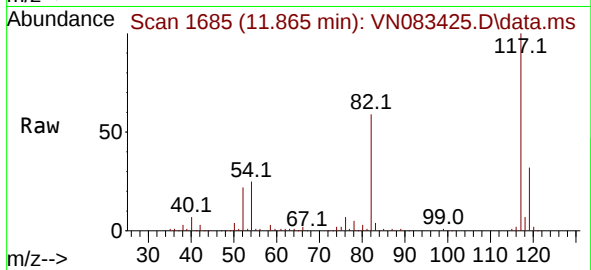




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN083425.D  
Acq: 22 Aug 2024 10:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0822MBL01

Tgt Ion:117 Resp: 307294  
Ion Ratio Lower Upper  
117 100  
82 58.9 47.5 71.3  
119 31.5 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: VN083425.D  
Acq: 22 Aug 2024 10:29

Tgt Ion:152 Resp: 147049  
Ion Ratio Lower Upper  
152 100  
115 64.7 30.6 91.6  
150 159.0 0.0 348.6

