

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062024\  
 Data File : VN082665.D  
 Acq On : 20 Jun 2024 13:58  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Jun 21 02:06:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061724W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 18 04:52:44 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 130297   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 238847   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 230559   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 94283    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 118988   | 56.946   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 113.900% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 86768    | 53.550   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 107.100% |
| 50) Toluene-d8              | 10.571 | 98    | 308277   | 50.311   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 100.620% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 100623   | 47.632   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 95.260%  |

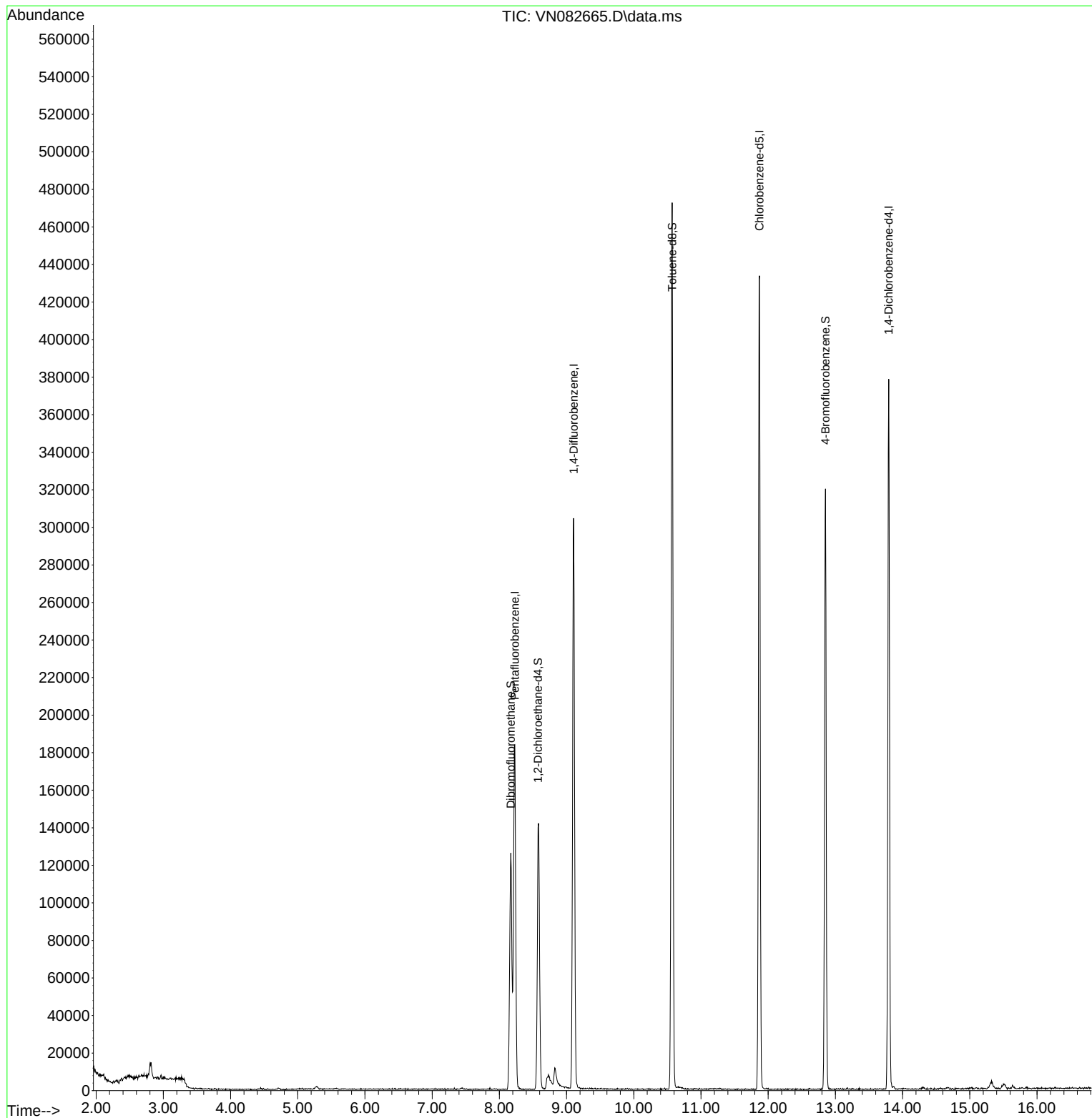
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

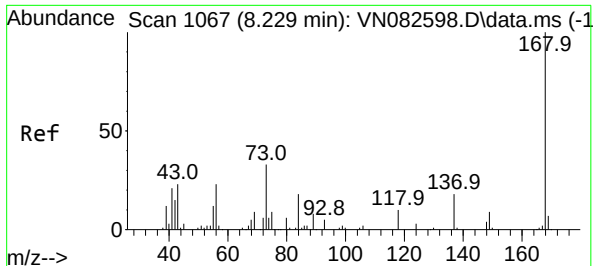
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jun 18 04:52:44 2024  
Response via : Initial Calibration

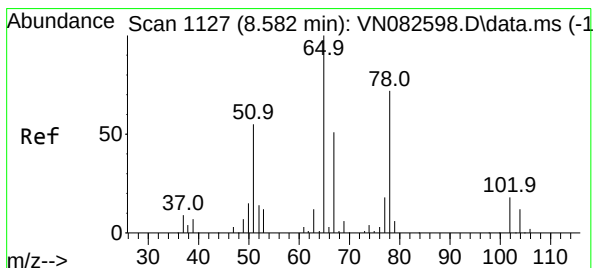
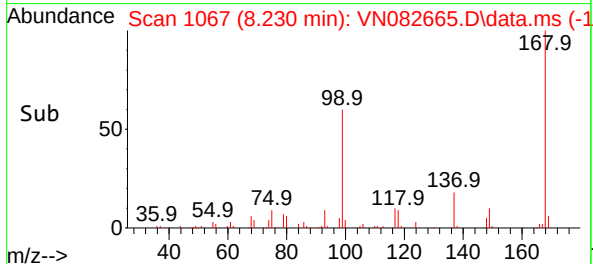
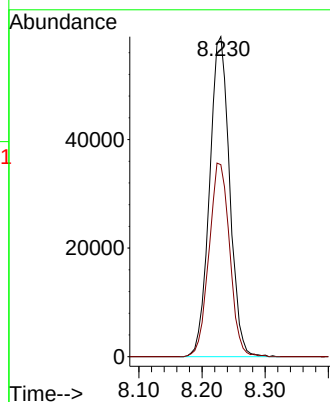
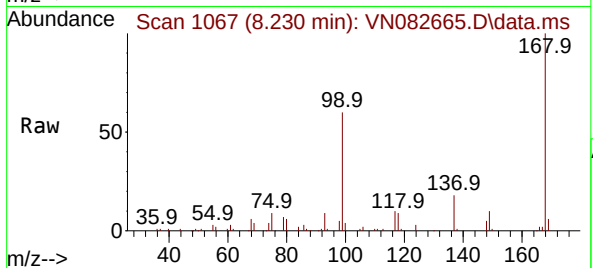




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. 0.001 min  
Lab File: VN082665.D  
Acq: 20 Jun 2024 13:58

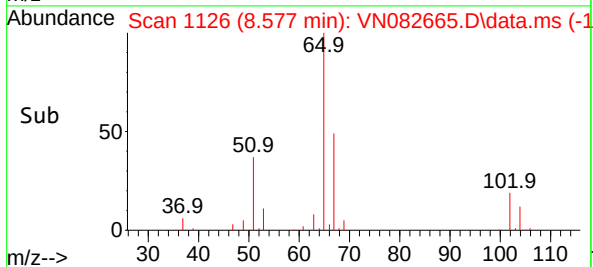
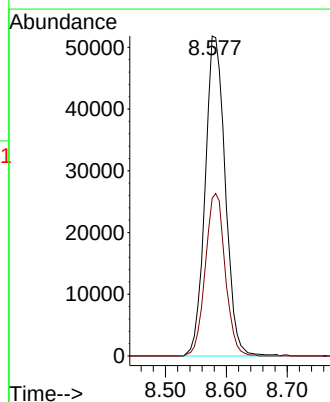
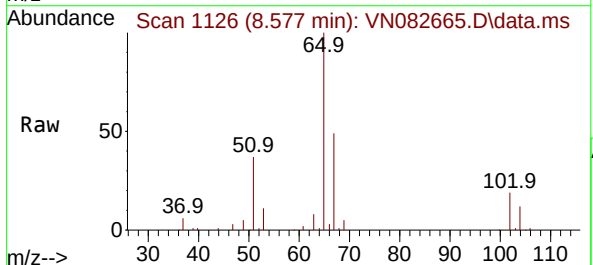
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

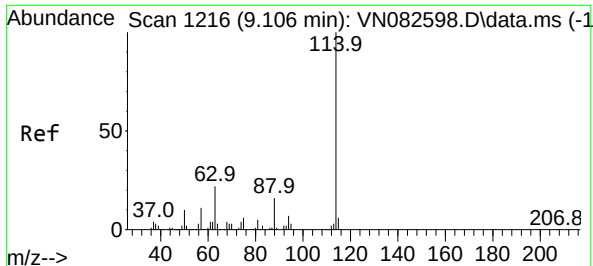
Tgt Ion:168 Resp: 130297  
Ion Ratio Lower Upper  
168 100  
99 60.0 48.2 72.4



#33  
1,2-Dichloroethane-d4  
Concen: 56.946 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VN082665.D  
Acq: 20 Jun 2024 13:58

Tgt Ion: 65 Resp: 118988  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 104.4

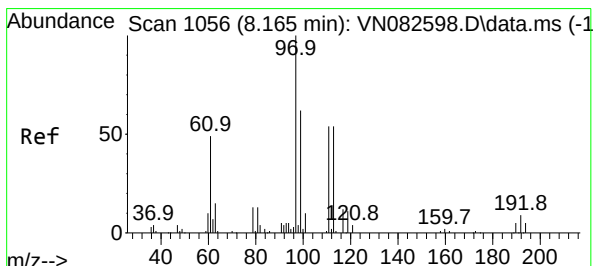
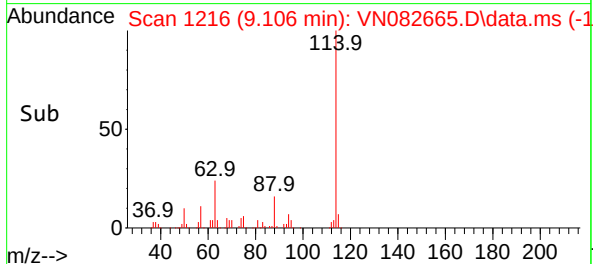
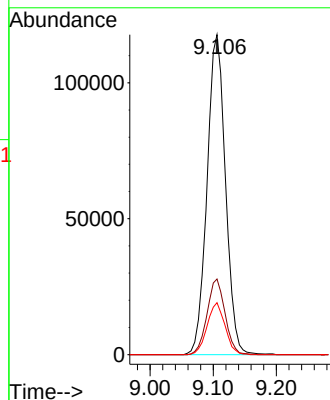
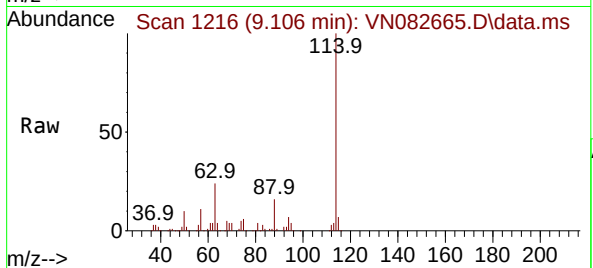




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN082665.D  
Acq: 20 Jun 2024 13:58

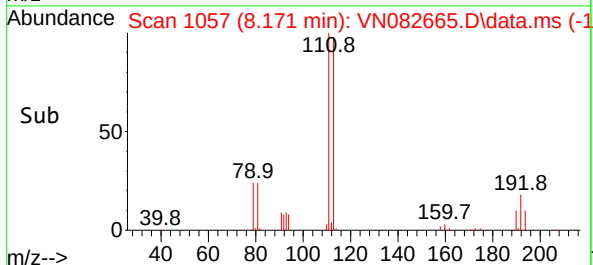
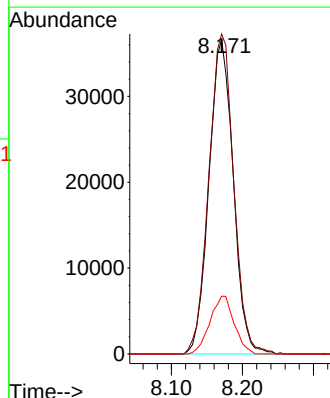
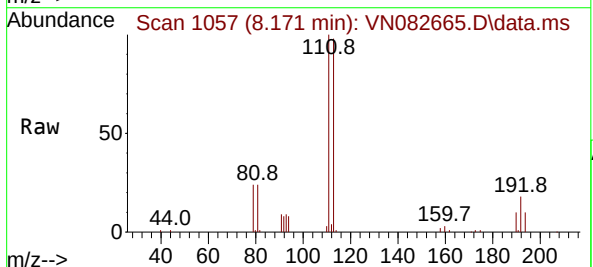
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

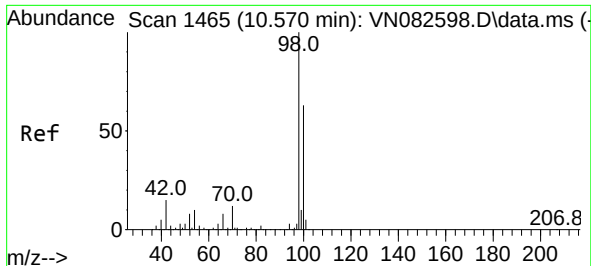
Tgt Ion:114 Resp: 238847  
Ion Ratio Lower Upper  
114 100  
63 23.6 0.0 44.6  
88 16.3 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 53.550 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN082665.D  
Acq: 20 Jun 2024 13:58

Tgt Ion:113 Resp: 86768  
Ion Ratio Lower Upper  
113 100  
111 104.4 82.4 123.6  
192 18.3 14.9 22.3

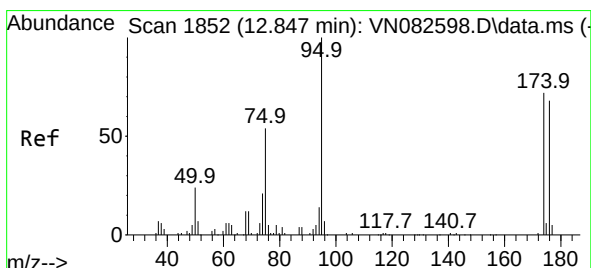
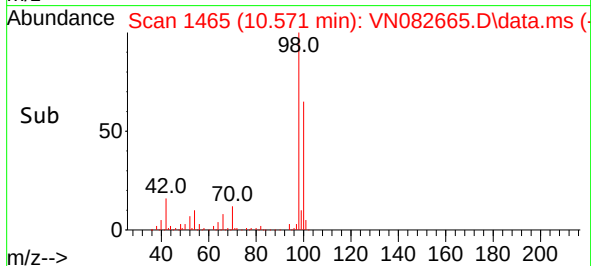
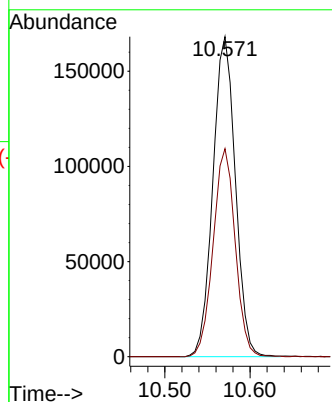
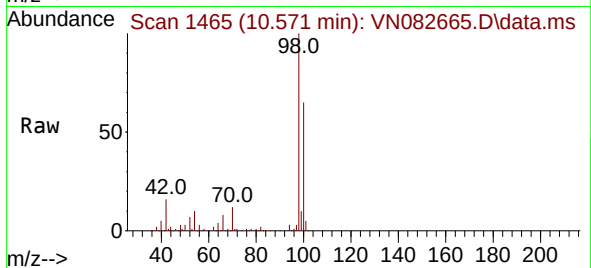




#50  
Toluene-d8  
Concen: 50.311 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN082665.D  
Acq: 20 Jun 2024 13:58

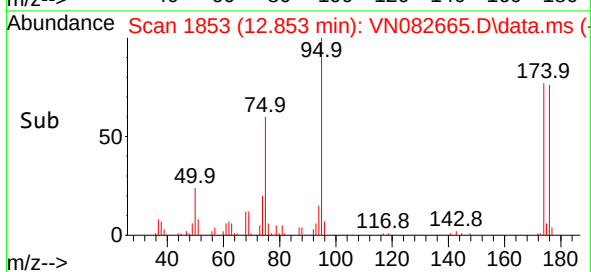
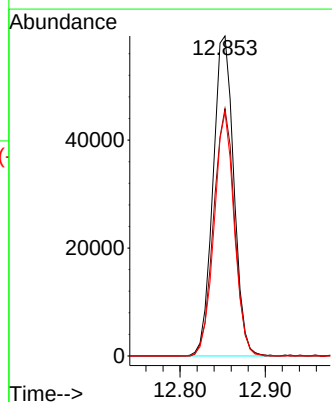
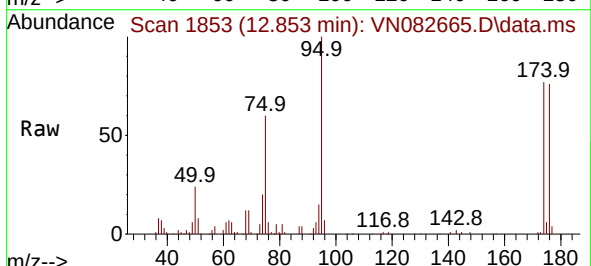
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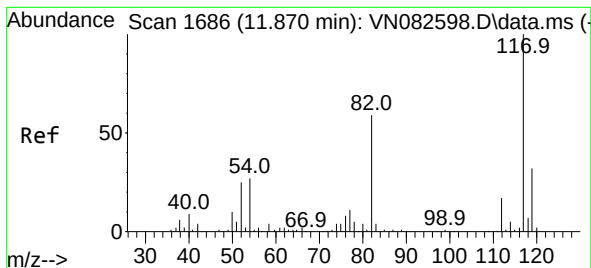
Tgt Ion: 98 Resp: 308277  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 47.632 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082665.D  
Acq: 20 Jun 2024 13:58

Tgt Ion: 95 Resp: 100623  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 159.2  
176 73.4 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082665.D

Acq: 20 Jun 2024 13:58

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

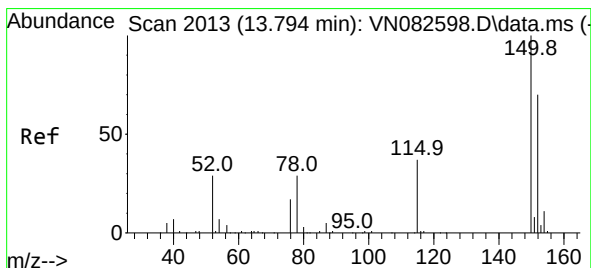
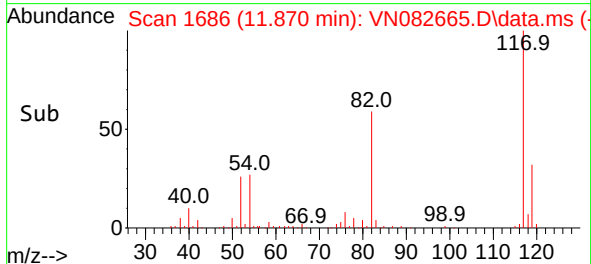
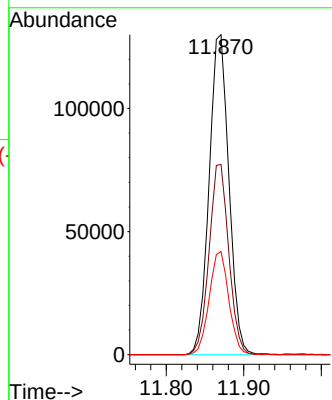
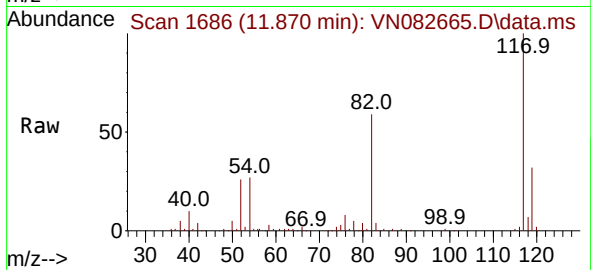
Tgt Ion:117 Resp: 230559

Ion Ratio Lower Upper

117 100

82 59.4 47.5 71.3

119 32.2 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: VN082665.D

Acq: 20 Jun 2024 13:58

Tgt Ion:152 Resp: 94283

Ion Ratio Lower Upper

152 100

115 61.5 30.6 91.6

150 160.3 0.0 348.6

