

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021624\  
 Data File : VN081054.D  
 Acq On : 16 Feb 2024 14:29  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Feb 16 23:46:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 188802   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 433355   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 543770   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 257637   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 167992   | 72.592   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 145.180%# |
| 35) Dibromofluoromethane    | 8.165  | 113   | 156672   | 63.935   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 127.860%# |
| 50) Toluene-d8              | 10.565 | 98    | 612778   | 70.406   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 140.820%# |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 282464   | 86.371   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 172.740%# |

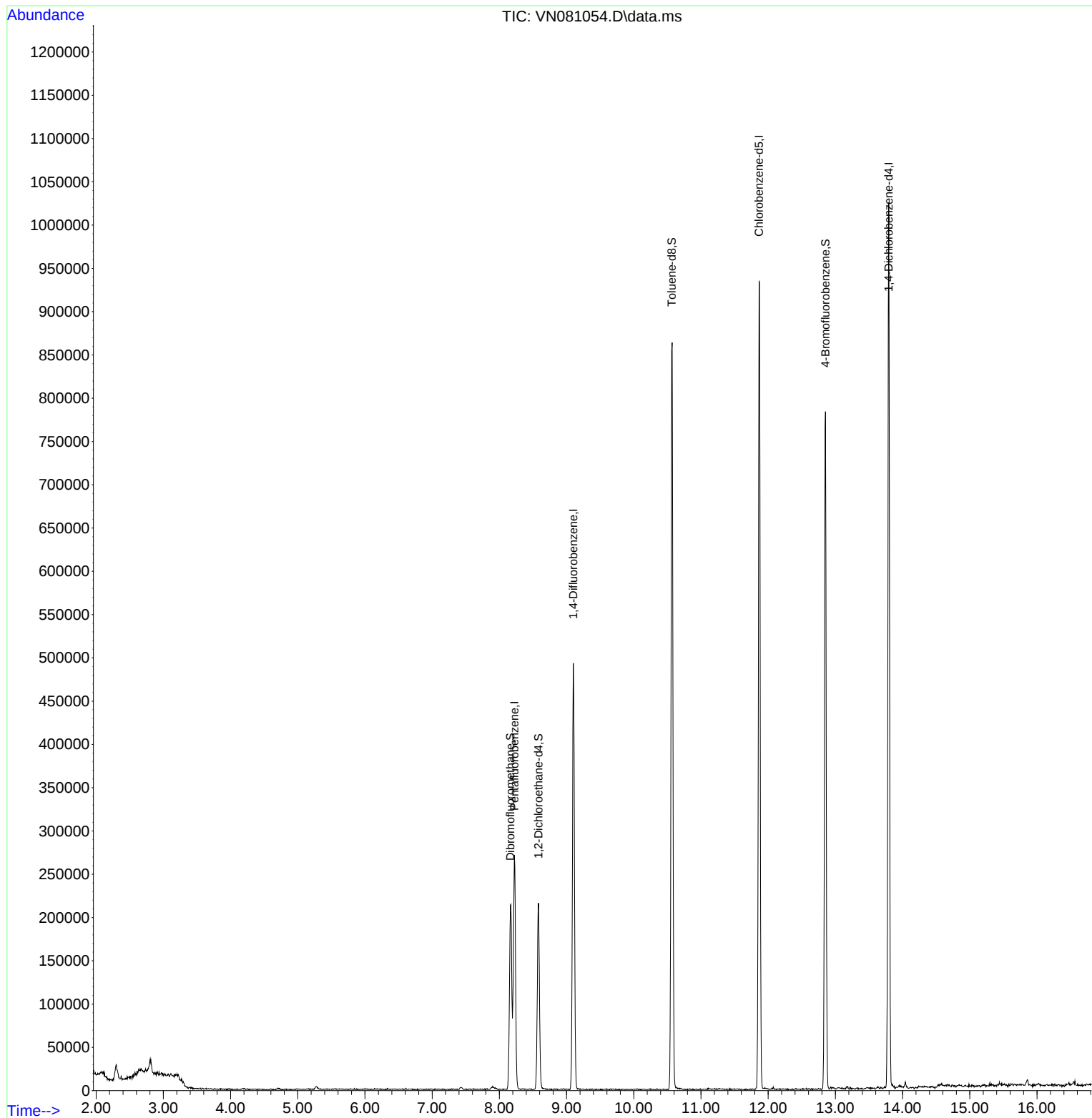
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

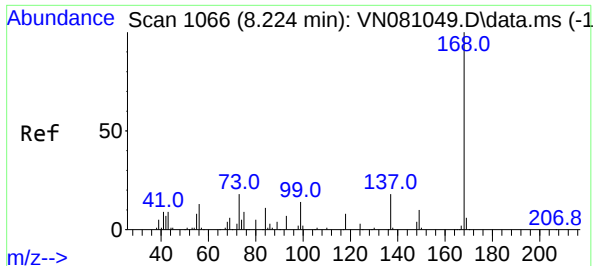
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Quant Time: Feb 16 23:46:28 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 16 23:45:20 2024  
Response via : Initial Calibration

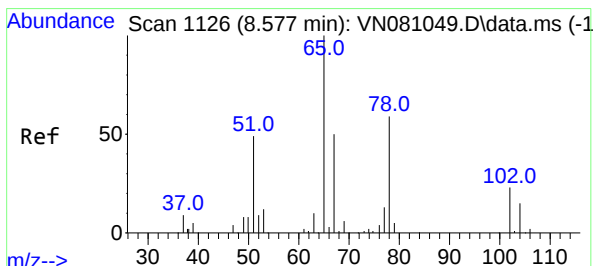
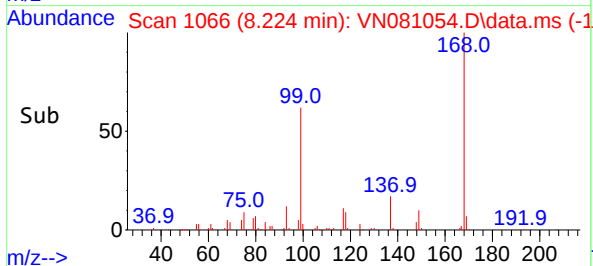
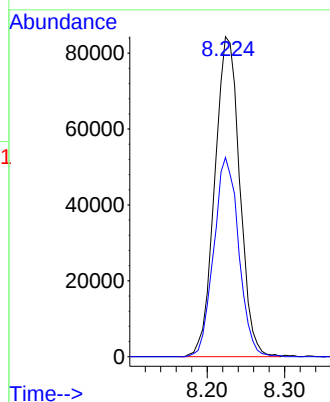
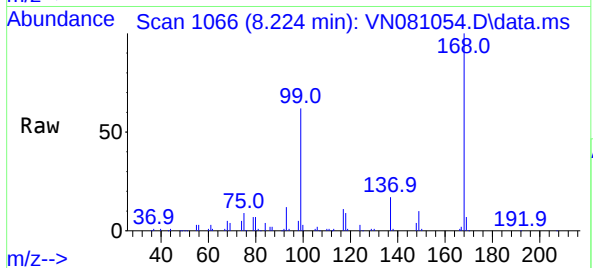




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081054.D  
Acq: 16 Feb 2024 14:29

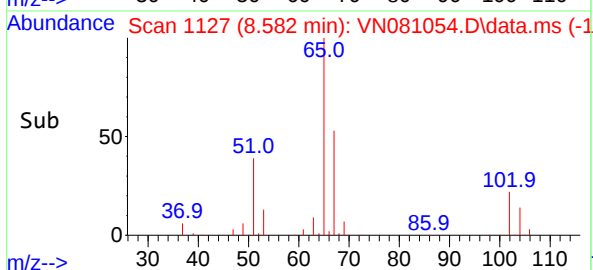
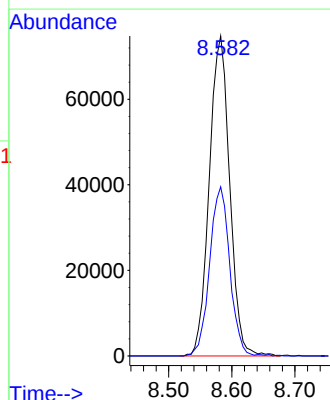
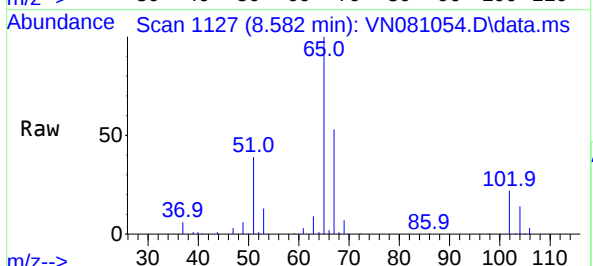
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

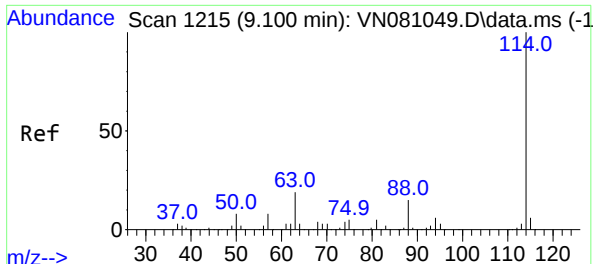
Tgt Ion:168 Resp: 188802  
Ion Ratio Lower Upper  
168 100  
99 62.3 59.9 89.9



#33  
1,2-Dichloroethane-d4  
Concen: 72.592 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081054.D  
Acq: 16 Feb 2024 14:29

Tgt Ion: 65 Resp: 167992  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 102.4

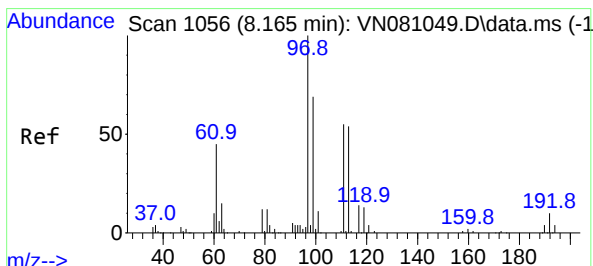
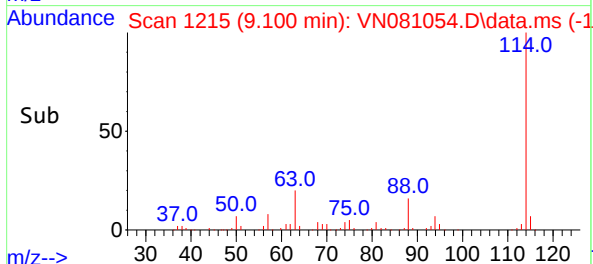
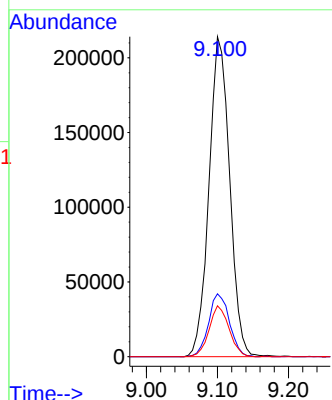
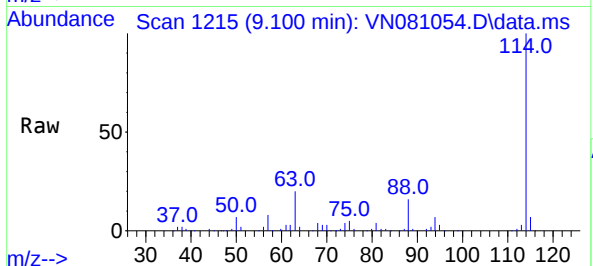




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN081054.D  
Acq: 16 Feb 2024 14:29

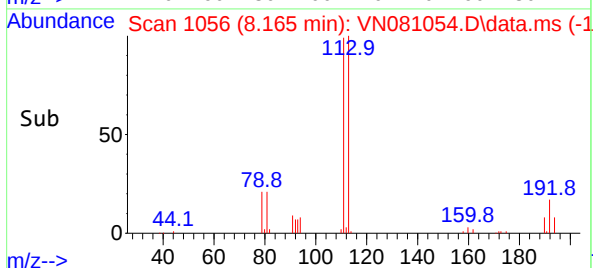
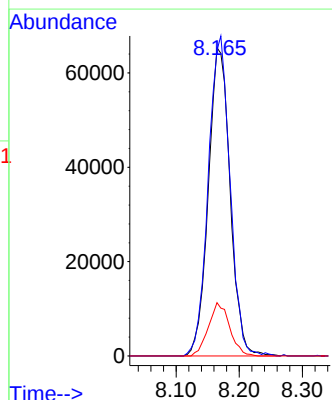
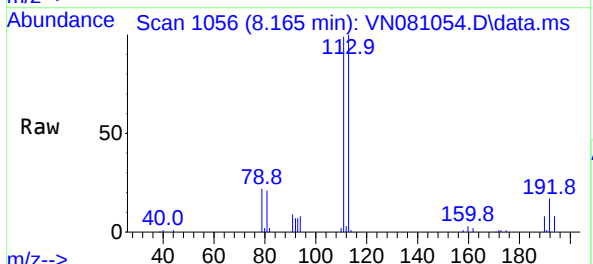
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

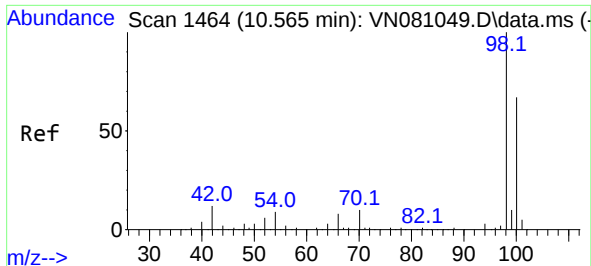
Tgt Ion:114 Resp: 433355  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 48.0  
88 15.9 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 63.935 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN081054.D  
Acq: 16 Feb 2024 14:29

Tgt Ion:113 Resp: 156672  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.2 123.4  
192 16.9 12.5 18.7

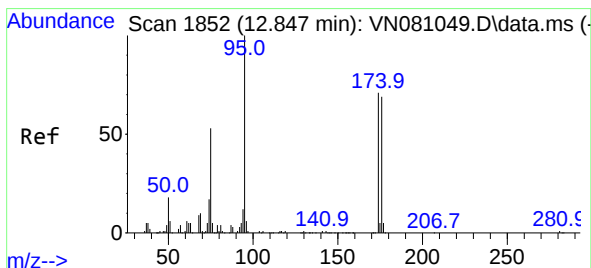
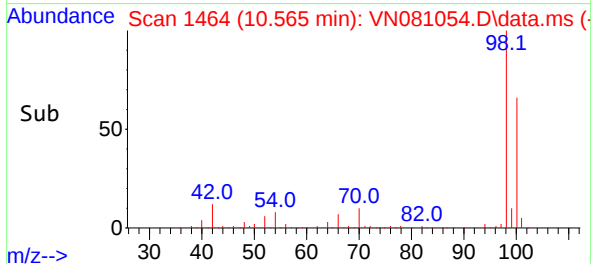
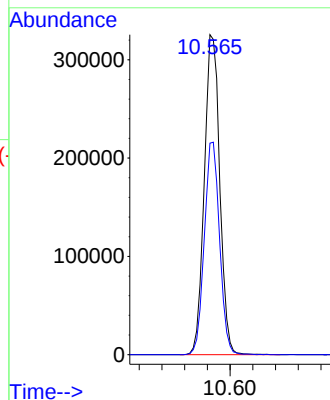
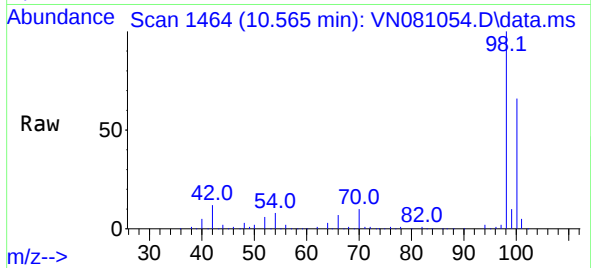




#50  
Toluene-d8  
Concen: 70.406 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN081054.D  
Acq: 16 Feb 2024 14:29

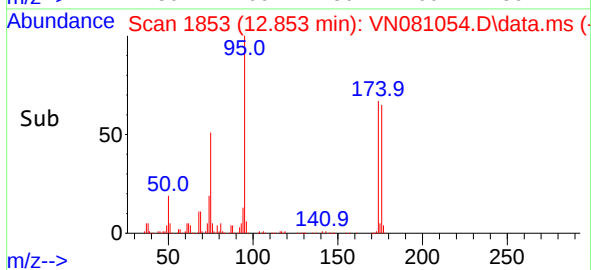
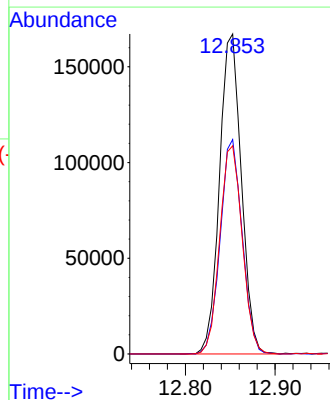
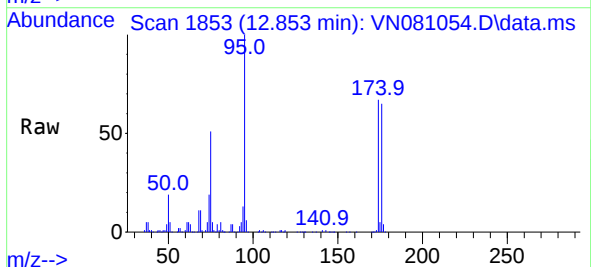
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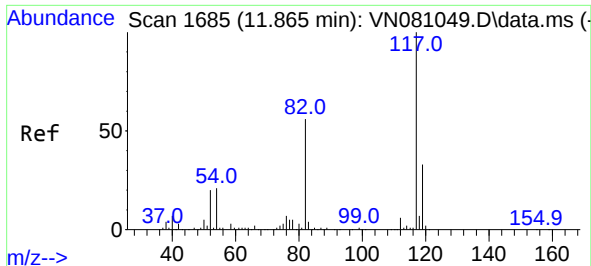
Tgt Ion: 98 Resp: 612778  
Ion Ratio Lower Upper  
98 100  
100 65.6 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 86.371 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN081054.D  
Acq: 16 Feb 2024 14:29

Tgt Ion: 95 Resp: 282464  
Ion Ratio Lower Upper  
95 100  
174 67.4 0.0 120.4  
176 66.9 0.0 121.0

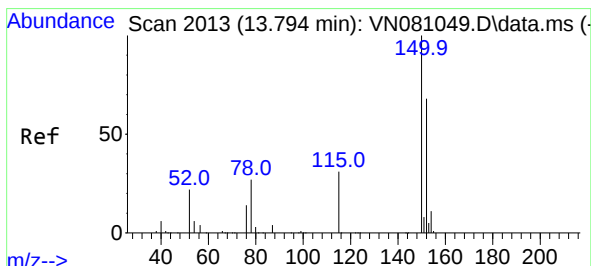
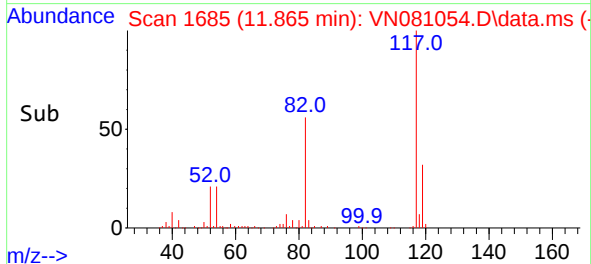
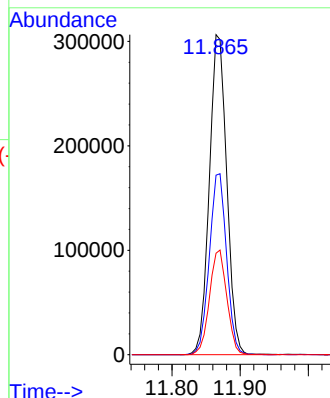
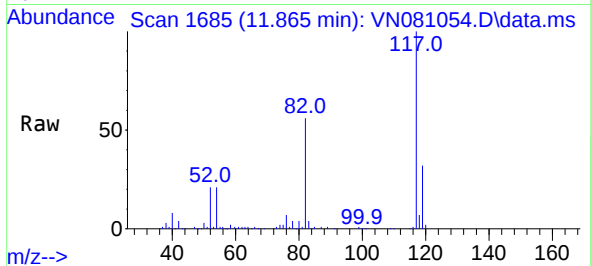




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN081054.D  
Acq: 16 Feb 2024 14:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:117 Resp: 543770  
Ion Ratio Lower Upper  
117 100  
82 56.1 52.7 79.1  
119 31.7 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN081054.D  
Acq: 16 Feb 2024 14:29

Tgt Ion:152 Resp: 257637  
Ion Ratio Lower Upper  
152 100  
115 63.9 32.3 96.8  
150 158.4 0.0 339.8

