

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041123\  
 Data File : VN077303.D  
 Acq On : 11 Apr 2023 16:37  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Apr 12 04:42:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 06 08:27:03 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 469006   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 905476   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 809910   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 290360   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 293231   | 45.745   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 91.500% |
| 35) Dibromofluoromethane    | 8.172  | 113   | 269800   | 46.545   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.080% |
| 50) Toluene-d8              | 10.572 | 98    | 1120675  | 48.025   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 96.060% |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 334146   | 43.055   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 86.100% |

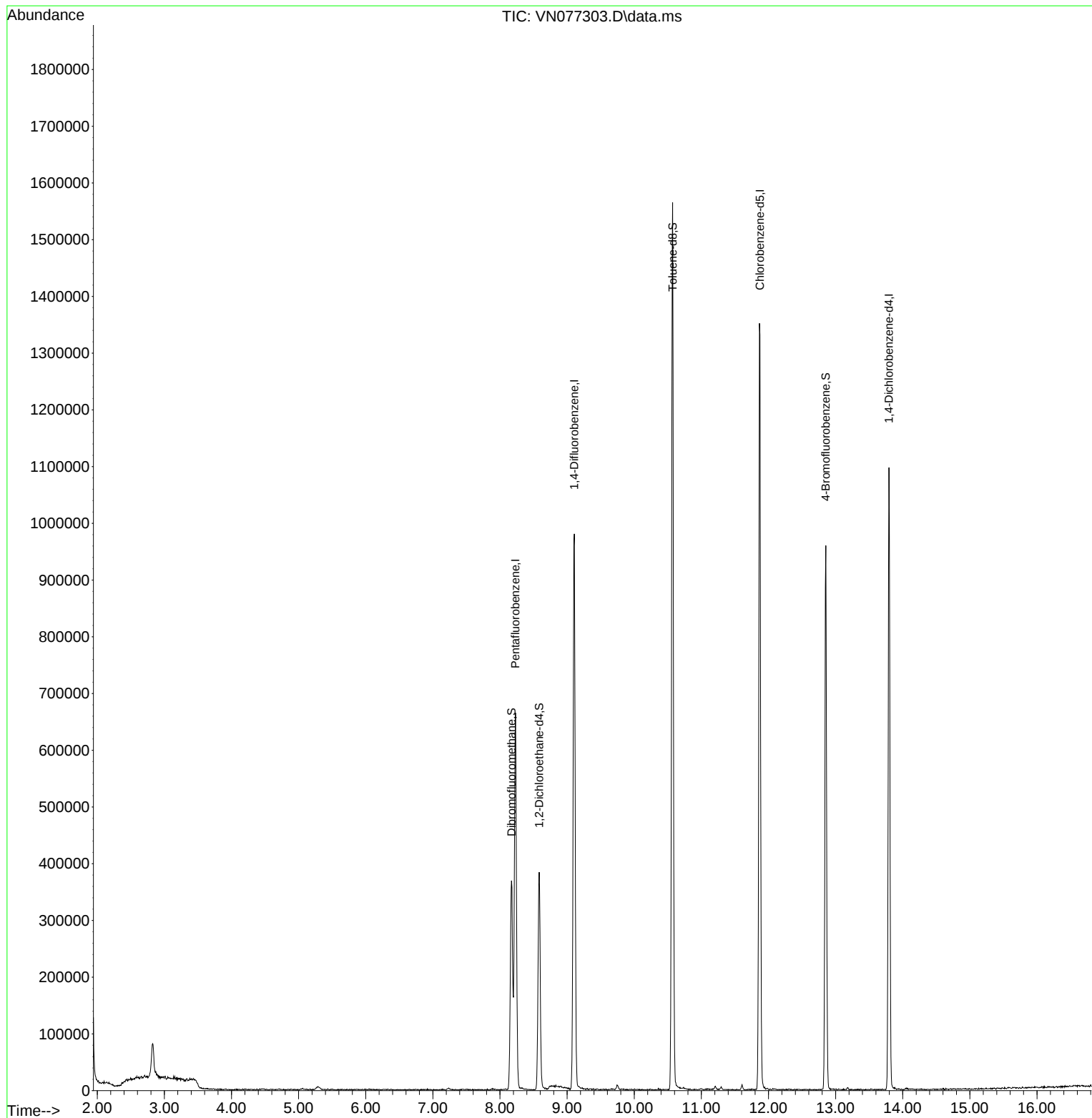
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

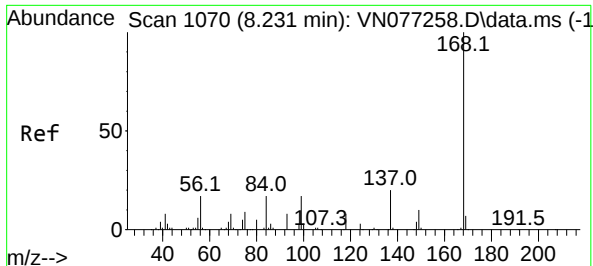
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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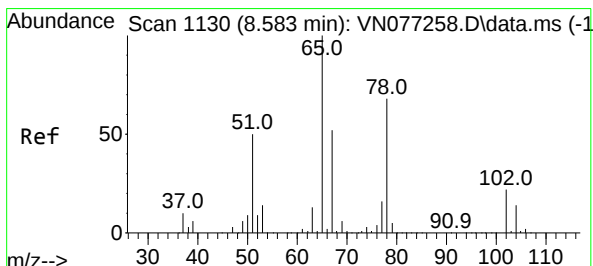
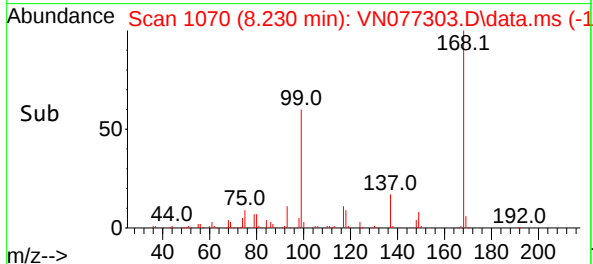
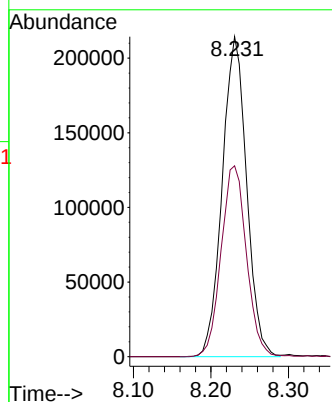
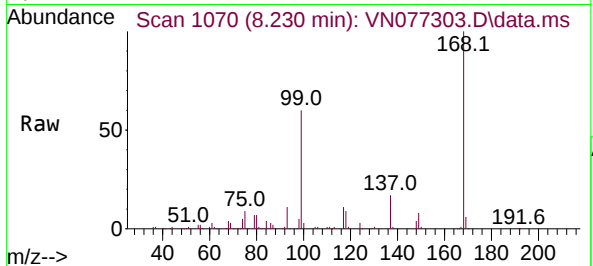




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1107  
Delta R.T. -0.001 min  
Lab File: VN077303.D  
Acq: 11 Apr 2023 16:37

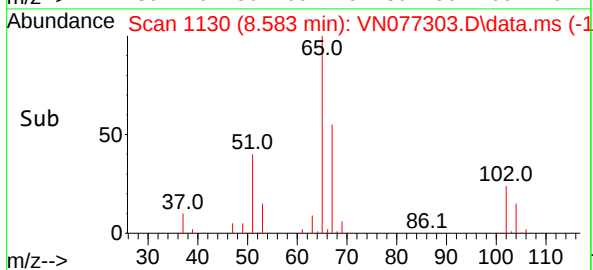
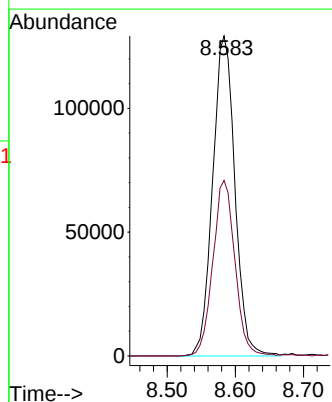
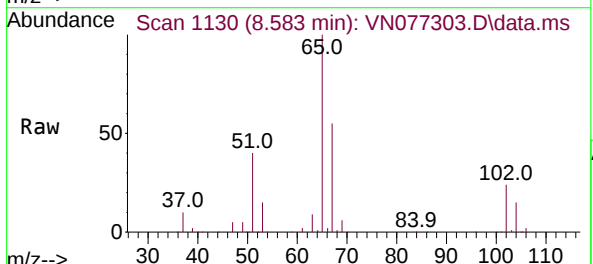
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

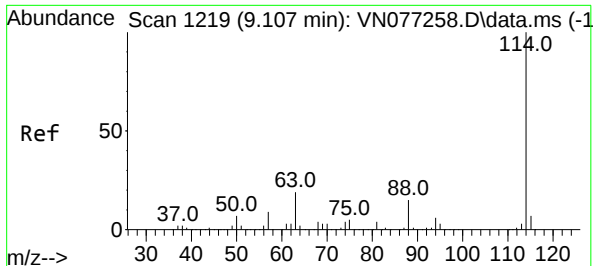
Tgt Ion:168 Resp: 469006  
Ion Ratio Lower Upper  
168 100  
99 59.6 50.6 75.8



#33  
1,2-Dichloroethane-d4  
Concen: 45.745 ug/l  
RT: 8.583 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VN077303.D  
Acq: 11 Apr 2023 16:37

Tgt Ion: 65 Resp: 293231  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077303.D

Acq: 11 Apr 2023 16:37

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

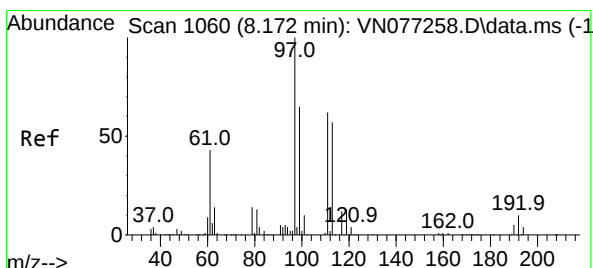
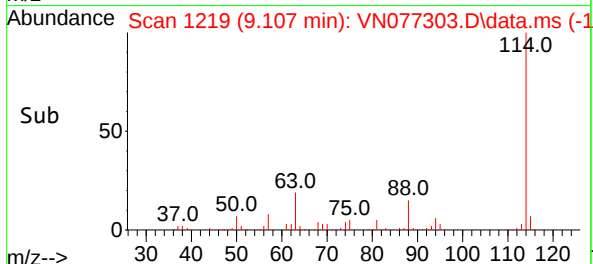
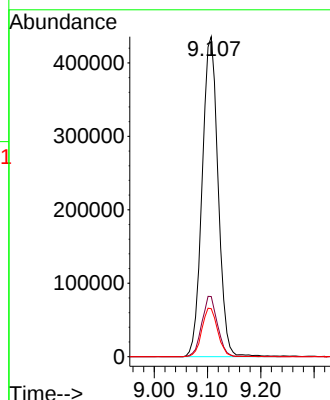
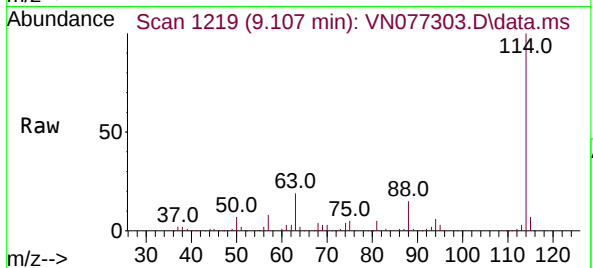
Tgt Ion:114 Resp: 905476

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.8

88 15.0 0.0 29.4



#35

Dibromofluoromethane

Concen: 46.545 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077303.D

Acq: 11 Apr 2023 16:37

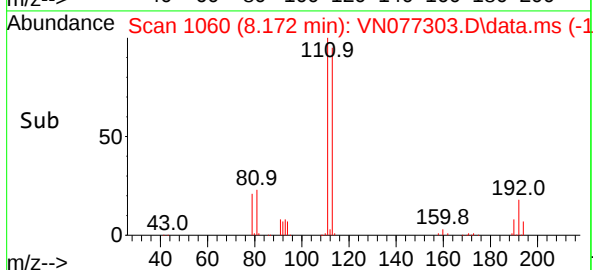
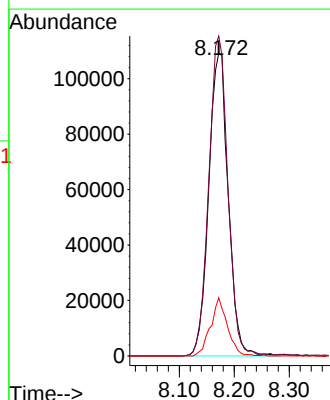
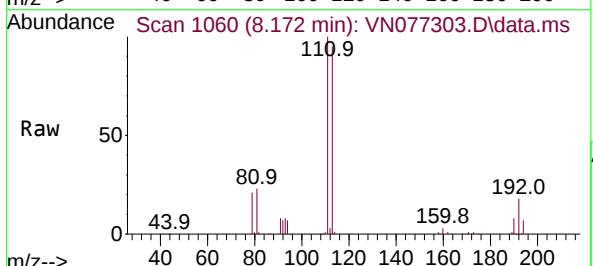
Tgt Ion:113 Resp: 269800

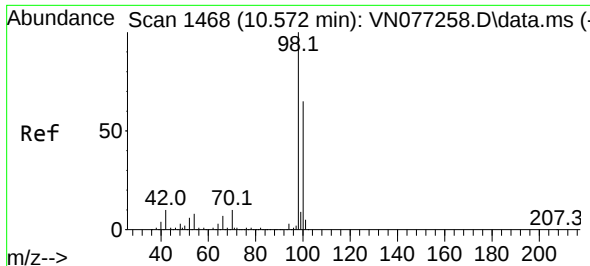
Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.0

192 16.5 13.5 20.3

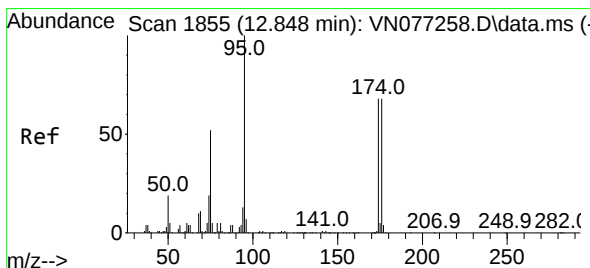
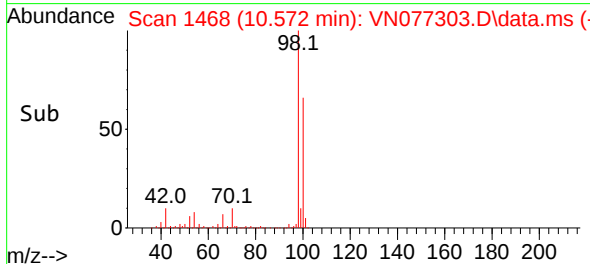
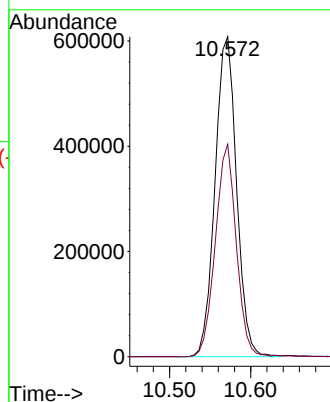
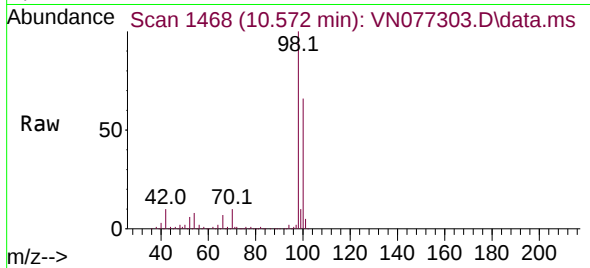




#50  
Toluene-d8  
Concen: 48.025 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN077303.D  
Acq: 11 Apr 2023 16:37

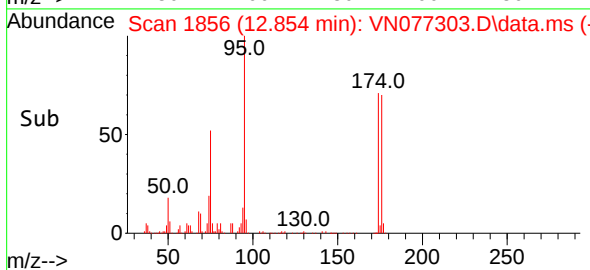
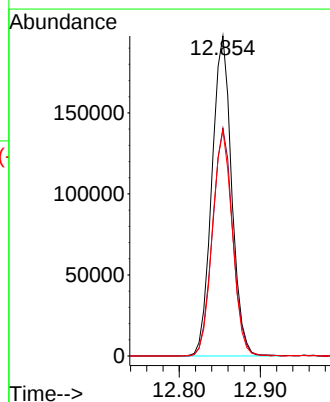
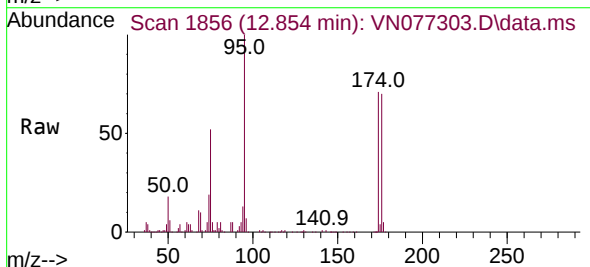
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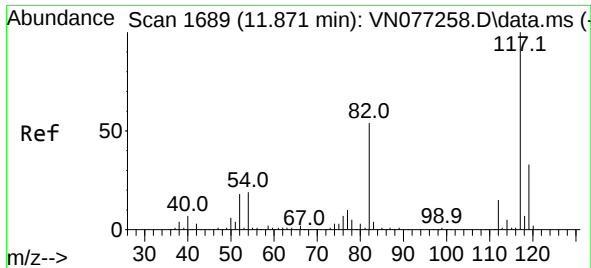
Tgt Ion: 98 Resp: 1120675  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 43.055 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077303.D  
Acq: 11 Apr 2023 16:37

Tgt Ion: 95 Resp: 334146  
Ion Ratio Lower Upper  
95 100  
174 72.5 0.0 146.8  
176 70.9 0.0 139.6

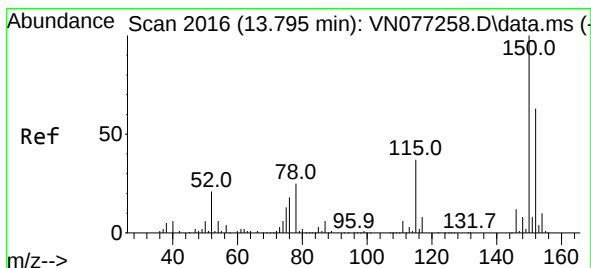
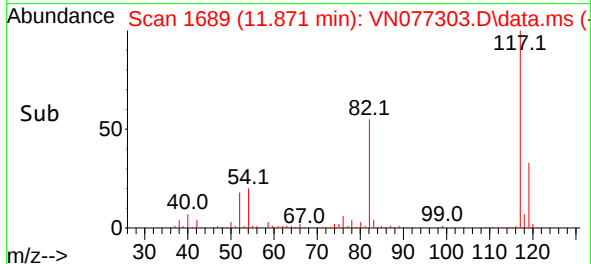
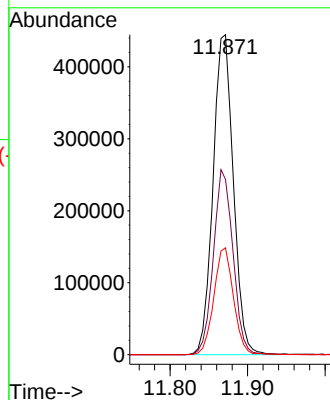
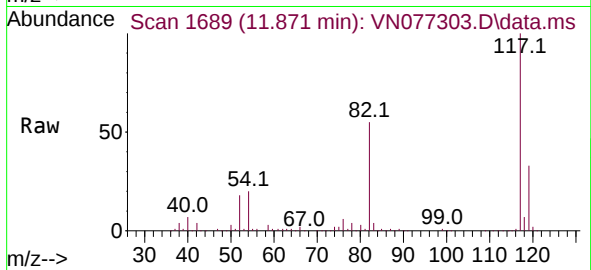




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN077303.D  
Acq: 11 Apr 2023 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:117 Resp: 809910  
Ion Ratio Lower Upper  
117 100  
82 54.8 42.9 64.3  
119 33.4 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN077303.D  
Acq: 11 Apr 2023 16:37

Tgt Ion:152 Resp: 290360  
Ion Ratio Lower Upper  
152 100  
115 64.4 32.1 96.3  
150 159.8 0.0 354.8

