

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092823\  
 Data File : VN079372.D  
 Acq On : 28 Sep 2023 14:27  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Sep 29 04:36:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 12 05:05:24 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 115903   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 225013   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 187272   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 46792    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 112846   | 72.125   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 144.260%# |
| 35) Dibromofluoromethane    | 8.171  | 113   | 83191    | 55.581   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 111.160%  |
| 50) Toluene-d8              | 10.571 | 98    | 238612   | 43.417   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 86.840%   |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 69934    | 39.893   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 79.780%#  |

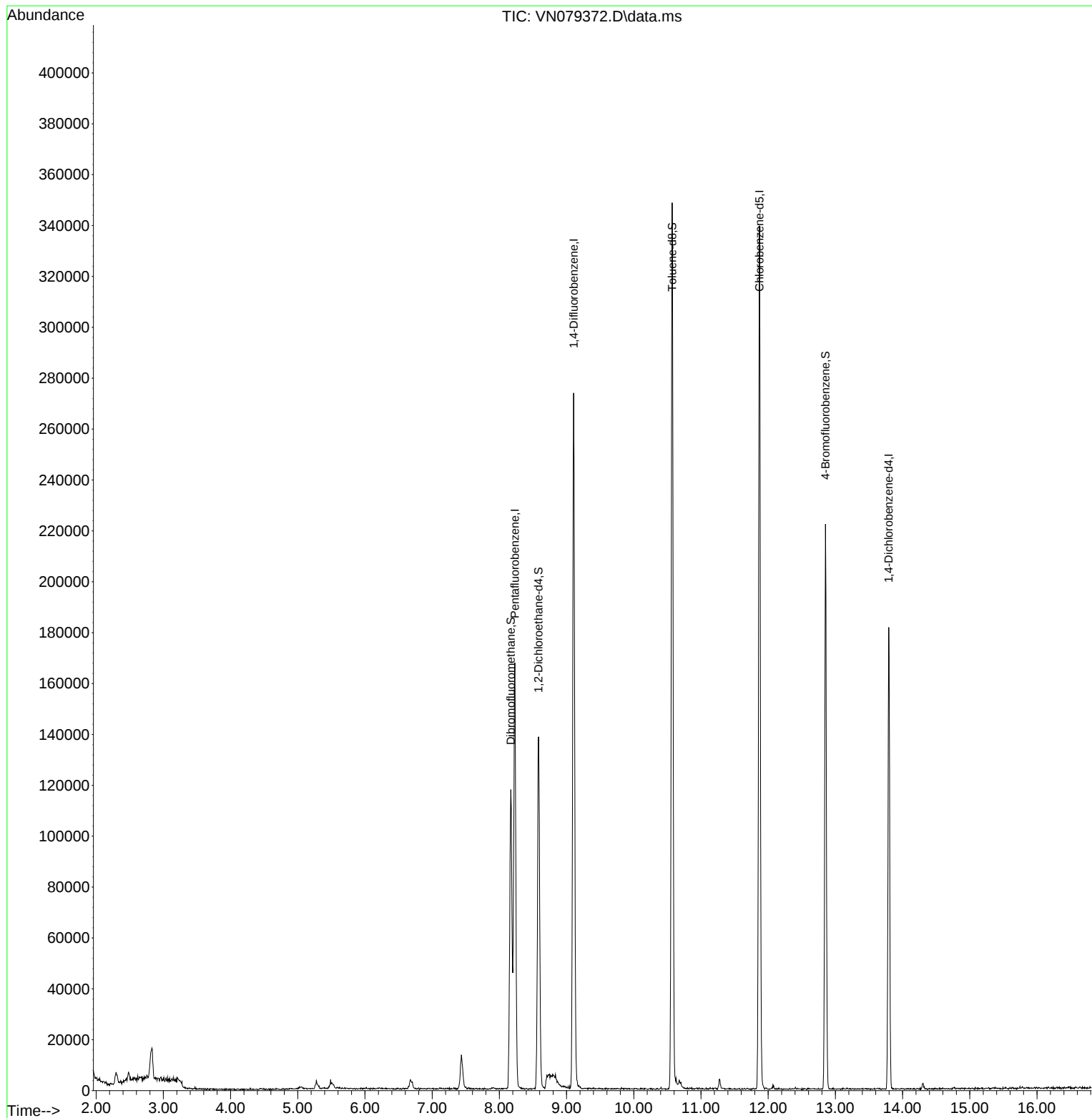
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

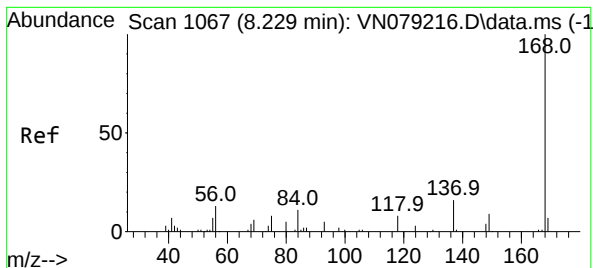
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 12 05:05:24 2023  
Response via : Initial Calibration

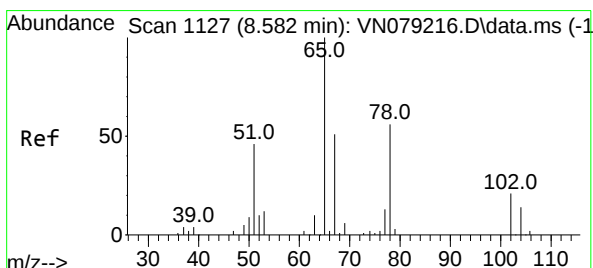
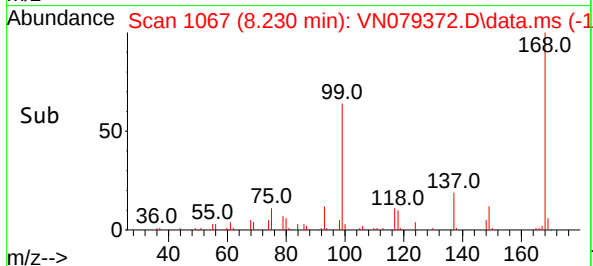
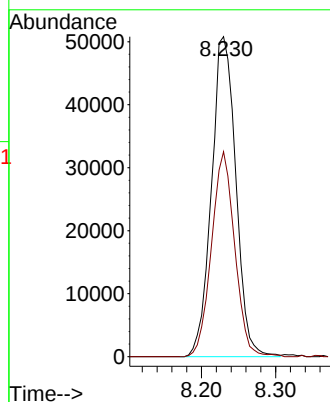
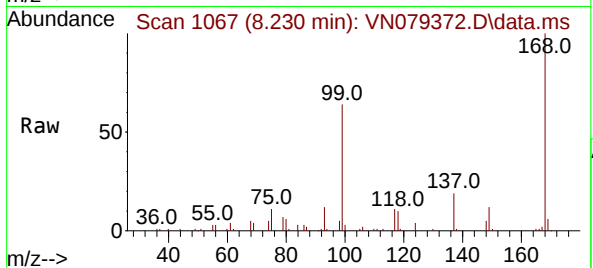




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 110  
Delta R.T. -0.000 min  
Lab File: VN079372.D  
Acq: 28 Sep 2023 14:27

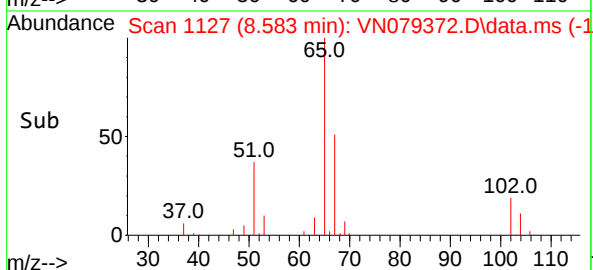
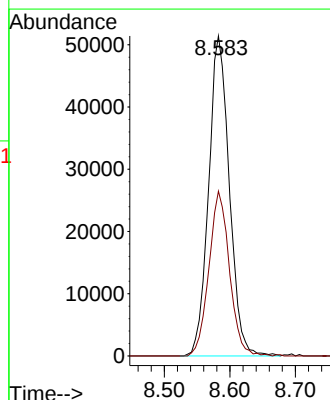
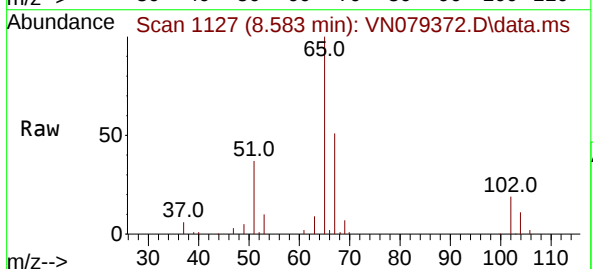
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

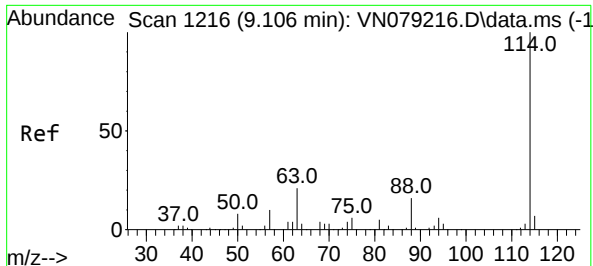
Tgt Ion:168 Resp: 115903  
Ion Ratio Lower Upper  
168 100  
99 64.0 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 72.125 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN079372.D  
Acq: 28 Sep 2023 14:27

Tgt Ion: 65 Resp: 112846  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079372.D

Acq: 28 Sep 2023 14:27

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

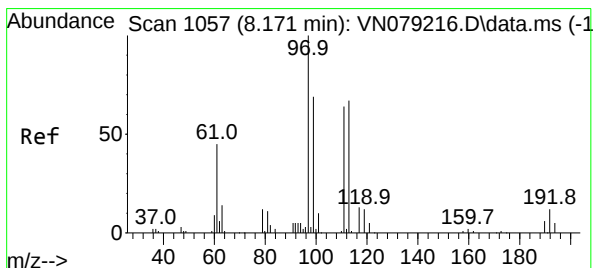
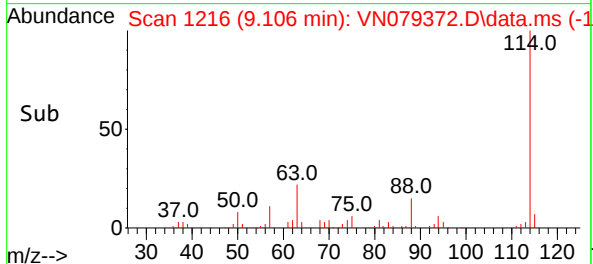
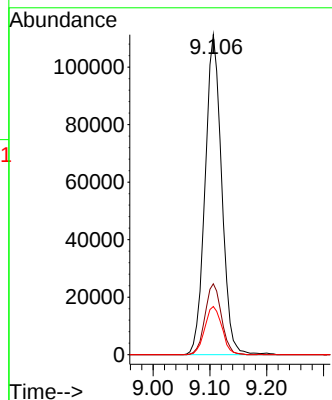
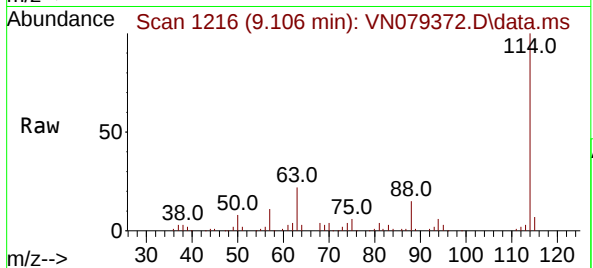
Tgt Ion:114 Resp: 225013

Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.581 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079372.D

Acq: 28 Sep 2023 14:27

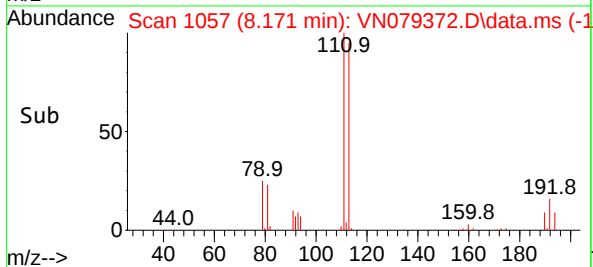
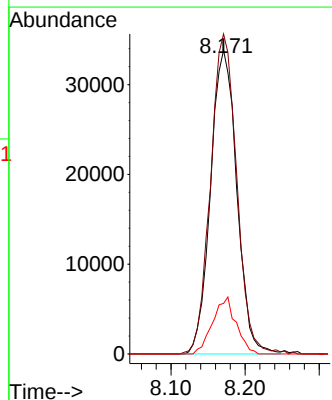
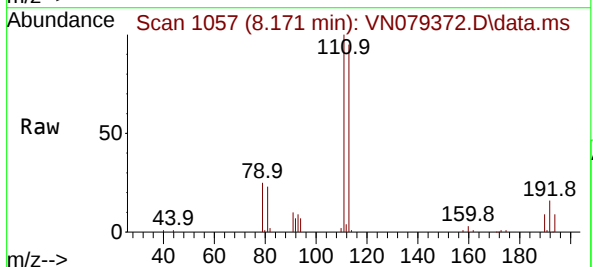
Tgt Ion:113 Resp: 83191

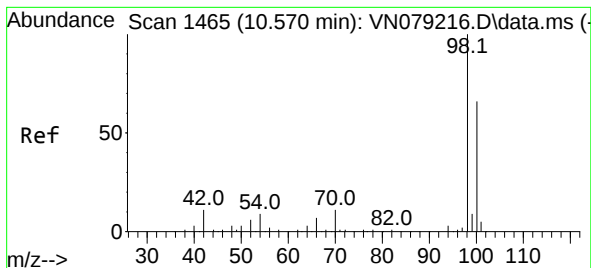
Ion Ratio Lower Upper

113 100

111 105.3 82.6 123.8

192 16.7 12.7 19.1





#50

Toluene-d8

Concen: 43.417 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079372.D

Acq: 28 Sep 2023 14:27

Instrument :

MSVOA\_N

ClientSampleId :

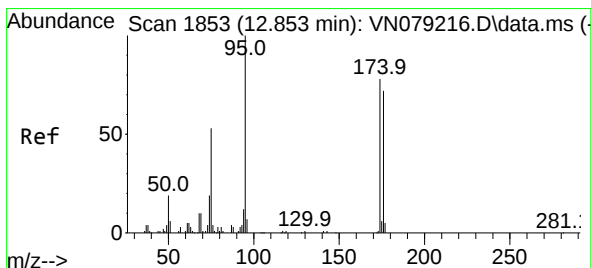
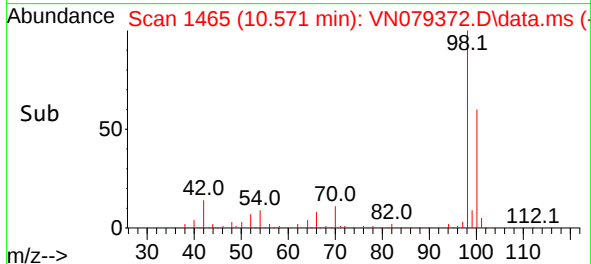
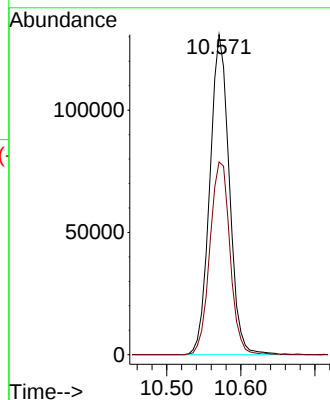
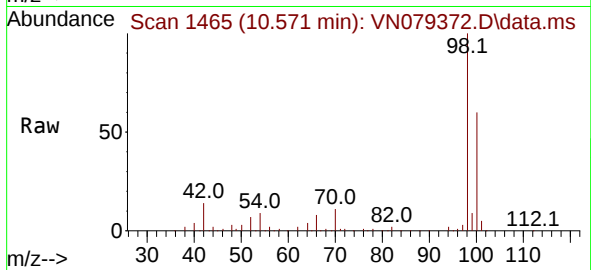
IBLK

Tgt Ion: 98 Resp: 238612

Ion Ratio Lower Upper

98 100

100 62.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 39.893 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN079372.D

Acq: 28 Sep 2023 14:27

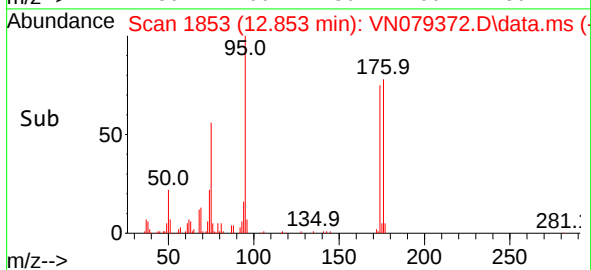
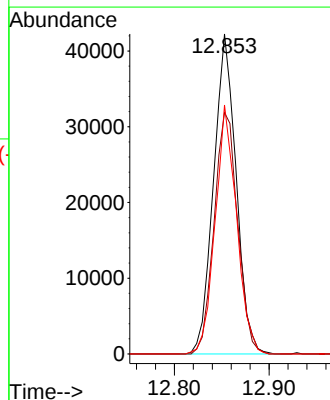
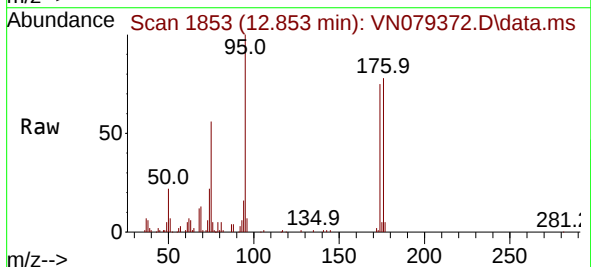
Tgt Ion: 95 Resp: 69934

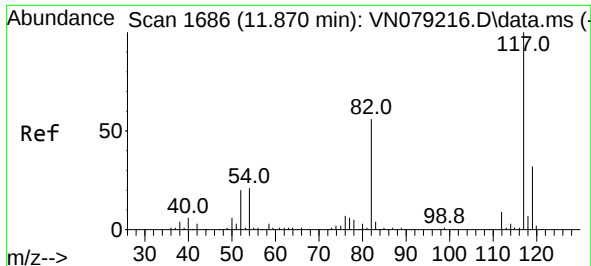
Ion Ratio Lower Upper

95 100

174 78.7 0.0 143.8

176 74.0 0.0 135.8

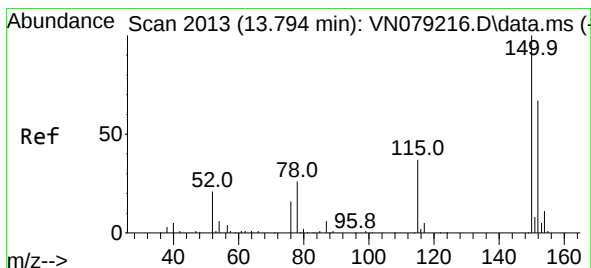
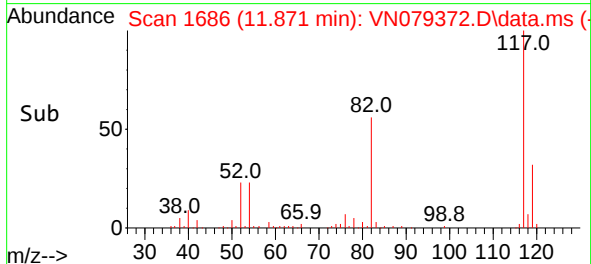
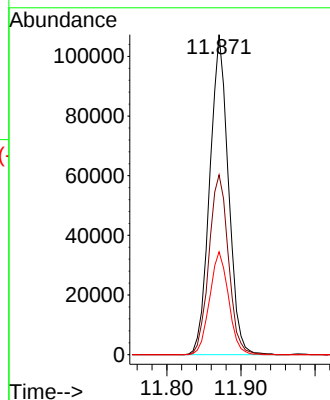
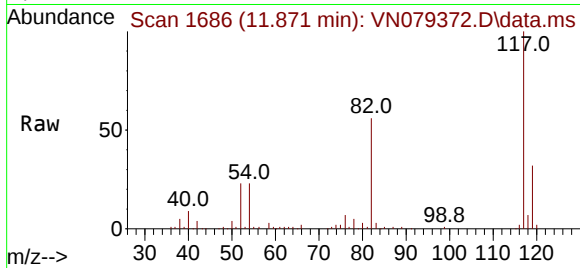




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079372.D  
Acq: 28 Sep 2023 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:117 Resp: 187272  
Ion Ratio Lower Upper  
117 100  
82 56.2 44.0 66.0  
119 32.1 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: VN079372.D  
Acq: 28 Sep 2023 14:27

Tgt Ion:152 Resp: 46792  
Ion Ratio Lower Upper  
152 100  
115 61.8 32.3 96.8  
150 160.6 0.0 355.8

