

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092123\  
 Data File : VN079315.D  
 Acq On : 21 Sep 2023 09:52  
 Operator : JC\MD  
 Sample : VN0921MBL01  
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0921MBL01

Quant Time: Sep 22 02:26:17 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      | 8.229  | 168  | 179469   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 329104   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 289171   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 82791    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 126499   | 52.215   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 104.420% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 99853    | 45.613   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 91.220%  |
| 50) Toluene-d8              | 10.570 | 98    | 328387   | 40.853   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 81.700%# |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 103685   | 40.438   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 80.880%# |

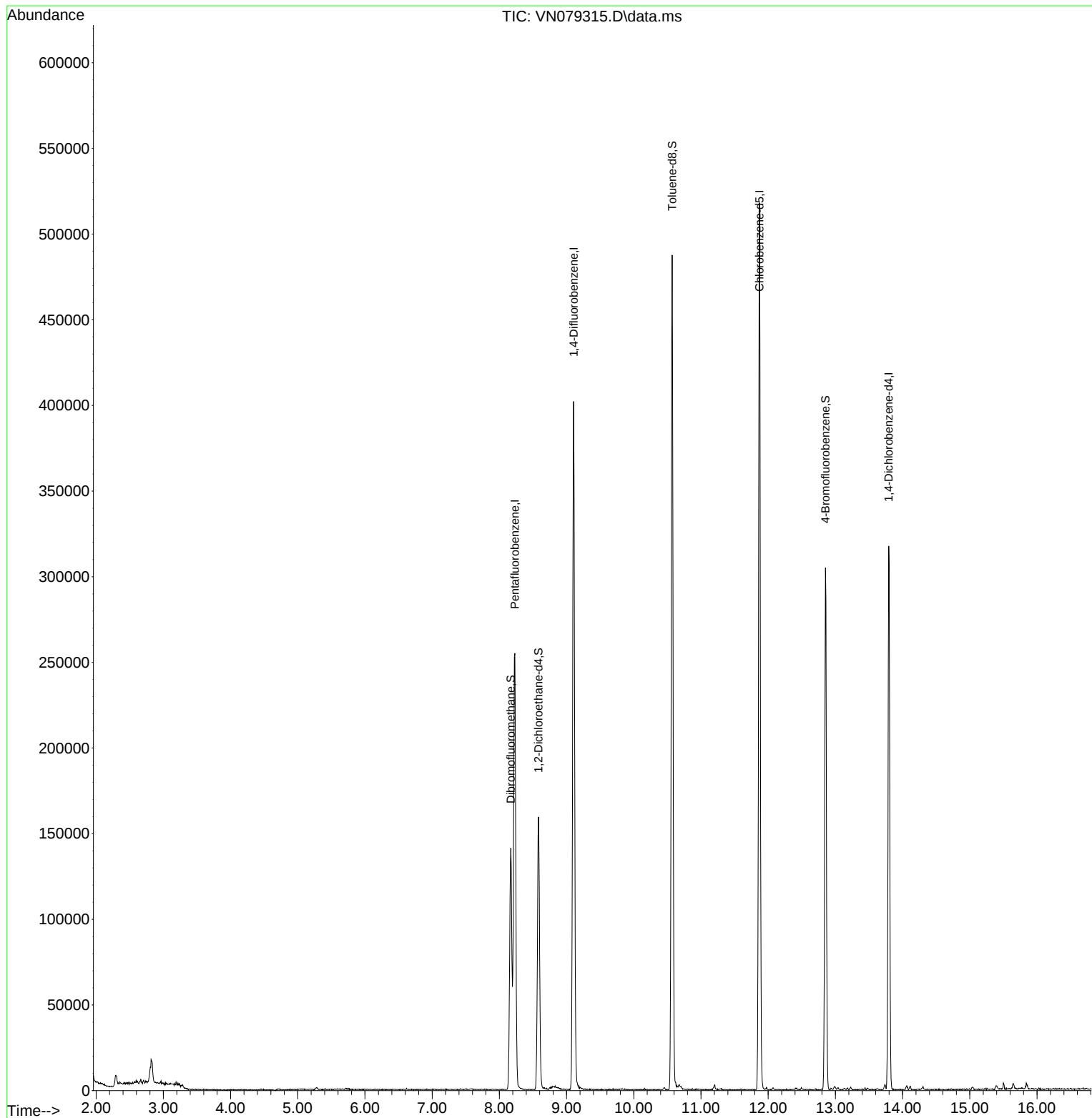
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

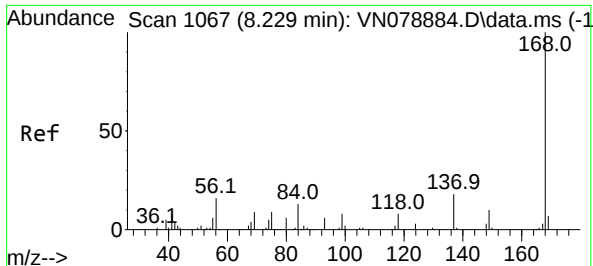
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0921MBL01

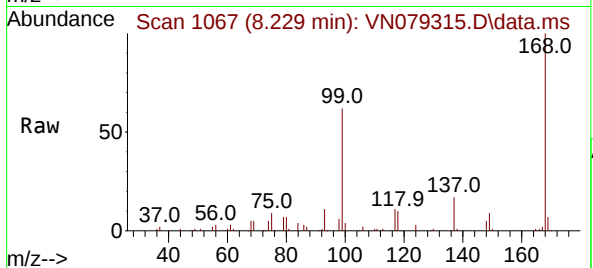
Quant Time: Sep 22 02:26:17 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 12 05:05:24 2023  
Response via : Initial Calibration



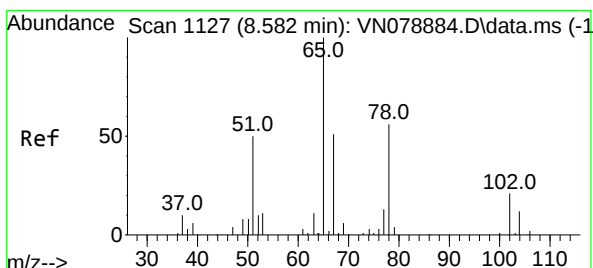
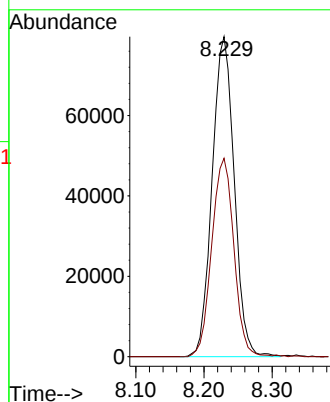
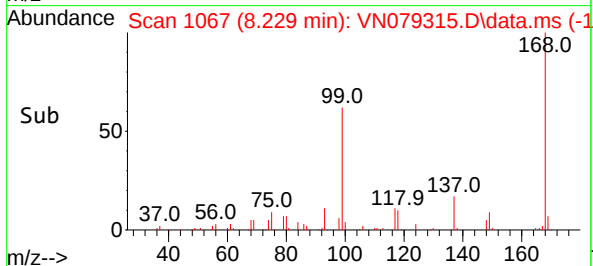


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.001 min  
Lab File: VN079315.D  
Acq: 21 Sep 2023 09:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0921MBL01

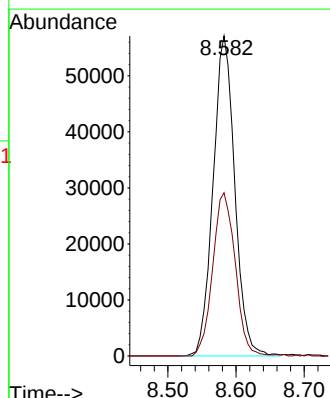
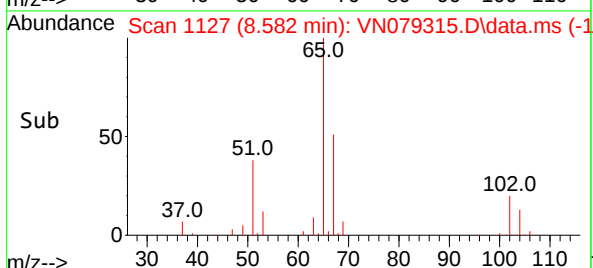
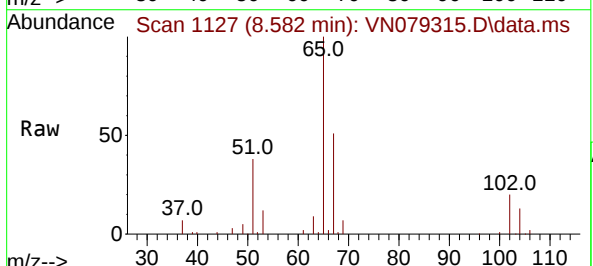


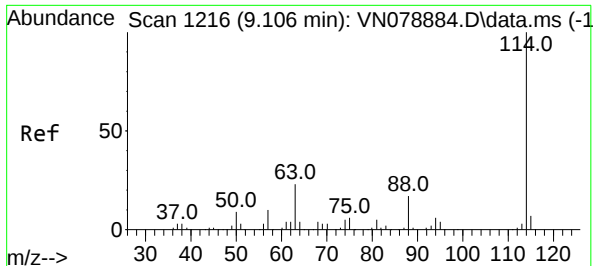
Tgt Ion:168 Resp: 179469  
Ion Ratio Lower Upper  
168 100  
99 62.0 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 52.215 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.001 min  
Lab File: VN079315.D  
Acq: 21 Sep 2023 09:52

Tgt Ion: 65 Resp: 126499  
Ion Ratio Lower Upper  
65 100  
67 52.9 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: VN079315.D

Acq: 21 Sep 2023 09:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0921MBL01

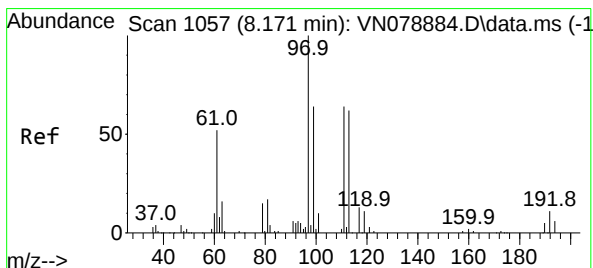
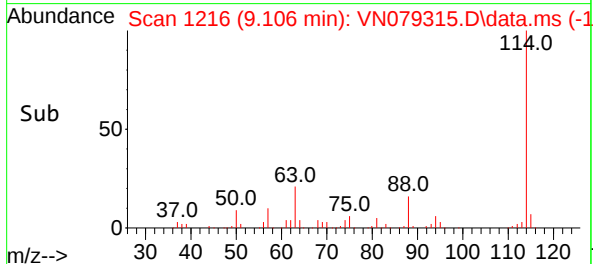
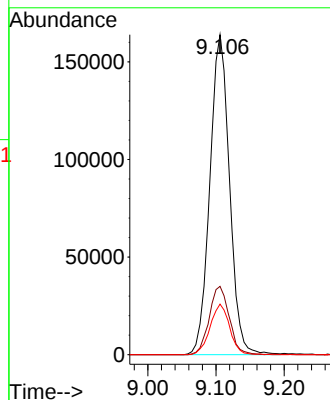
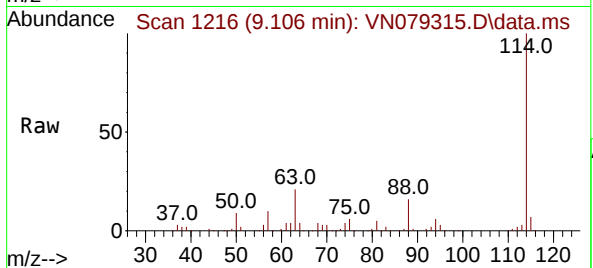
Tgt Ion:114 Resp: 329104

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.613 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079315.D

Acq: 21 Sep 2023 09:52

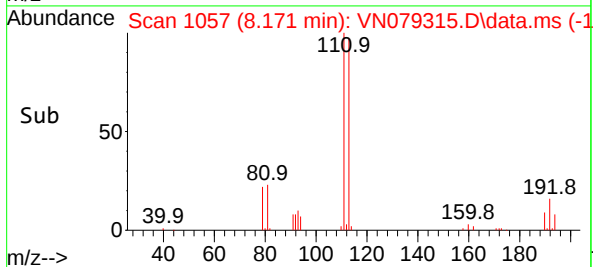
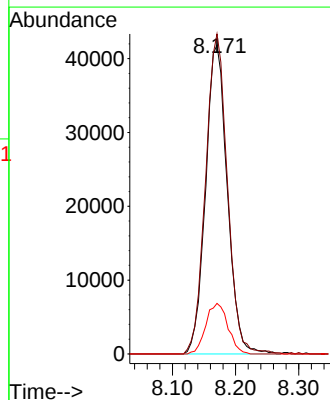
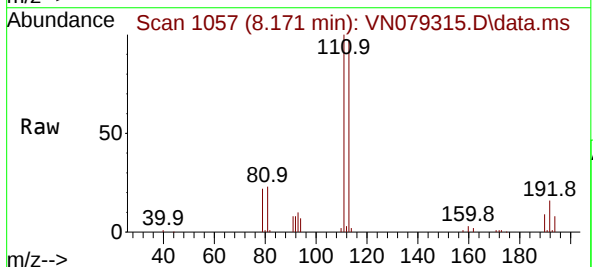
Tgt Ion:113 Resp: 99853

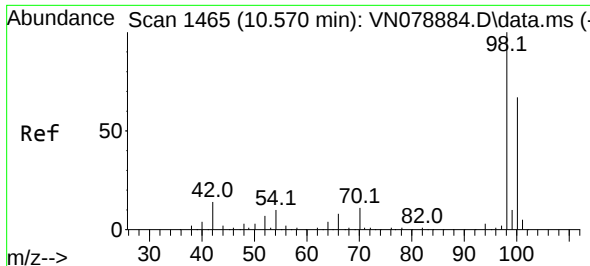
Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

192 16.6 12.7 19.1

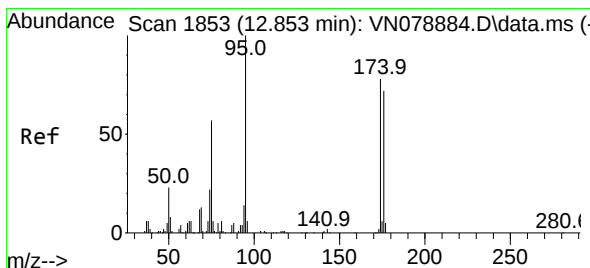
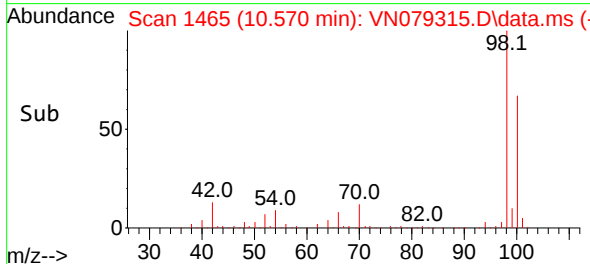
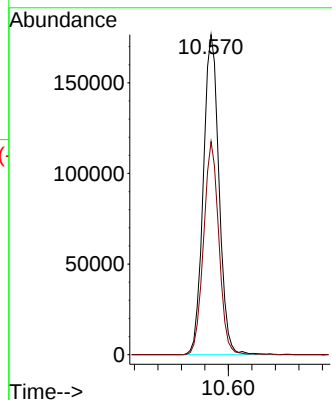
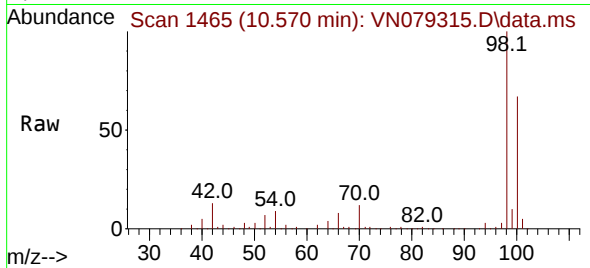




#50  
Toluene-d8  
Concen: 40.853 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. -0.001 min  
Lab File: VN079315.D  
Acq: 21 Sep 2023 09:52

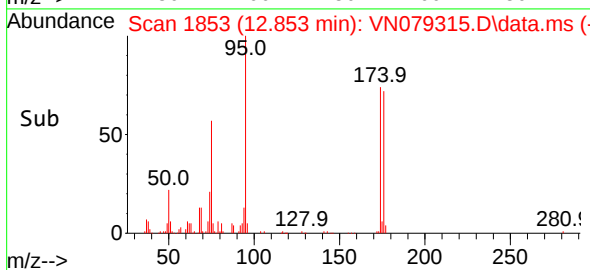
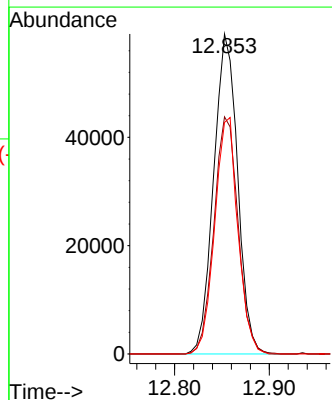
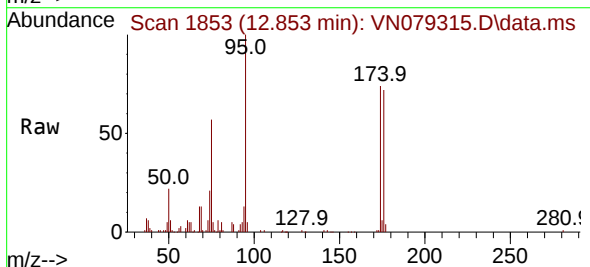
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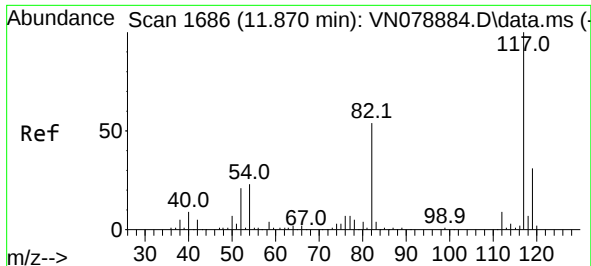
Tgt Ion: 98 Resp: 328387  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 40.438 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079315.D  
Acq: 21 Sep 2023 09:52

Tgt Ion: 95 Resp: 103685  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 143.8  
176 71.7 0.0 135.8

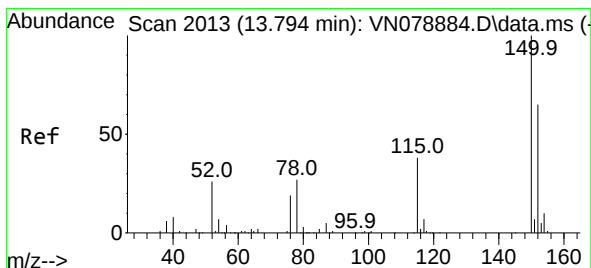
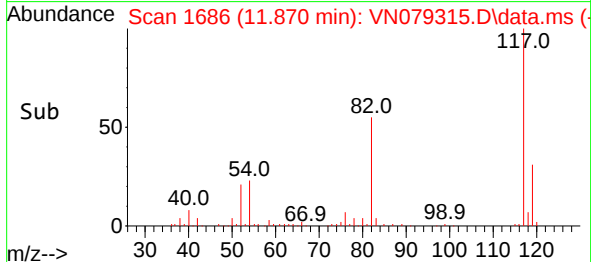
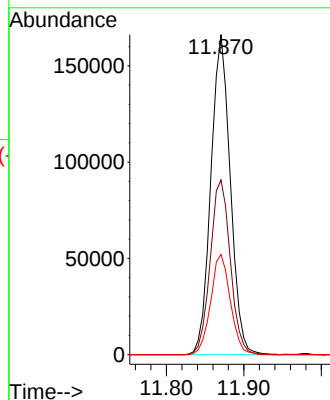
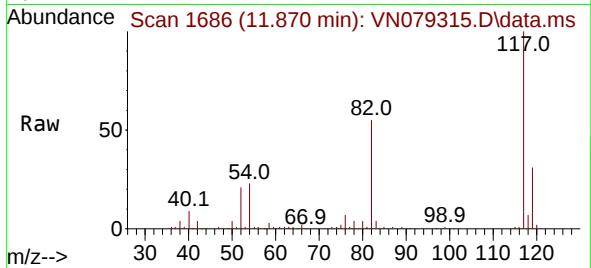




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN079315.D  
Acq: 21 Sep 2023 09:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0921MBL01

Tgt Ion:117 Resp: 289171  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.0 66.0  
119 31.4 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: VN079315.D  
Acq: 21 Sep 2023 09:52

Tgt Ion:152 Resp: 82791  
Ion Ratio Lower Upper  
152 100  
115 62.3 32.3 96.8  
150 158.6 0.0 355.8

