

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062623\  
 Data File : VN078399.D  
 Acq On : 26 Jun 2023 12:13  
 Operator : JC\MD  
 Sample : VN0626MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0626MBL01

Quant Time: Jun 27 02:14:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 07 05:05:00 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.236  | 168  | 554967   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 828104   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 753432   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 237915   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 315366   | 42.620   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 85.240%   |
| 35) Dibromofluoromethane    | 8.171  | 113   | 368243   | 70.329   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 140.660%# |
| 50) Toluene-d8              | 10.571 | 98    | 949122   | 47.020   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 94.040%   |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 310739   | 49.519   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 99.040%   |

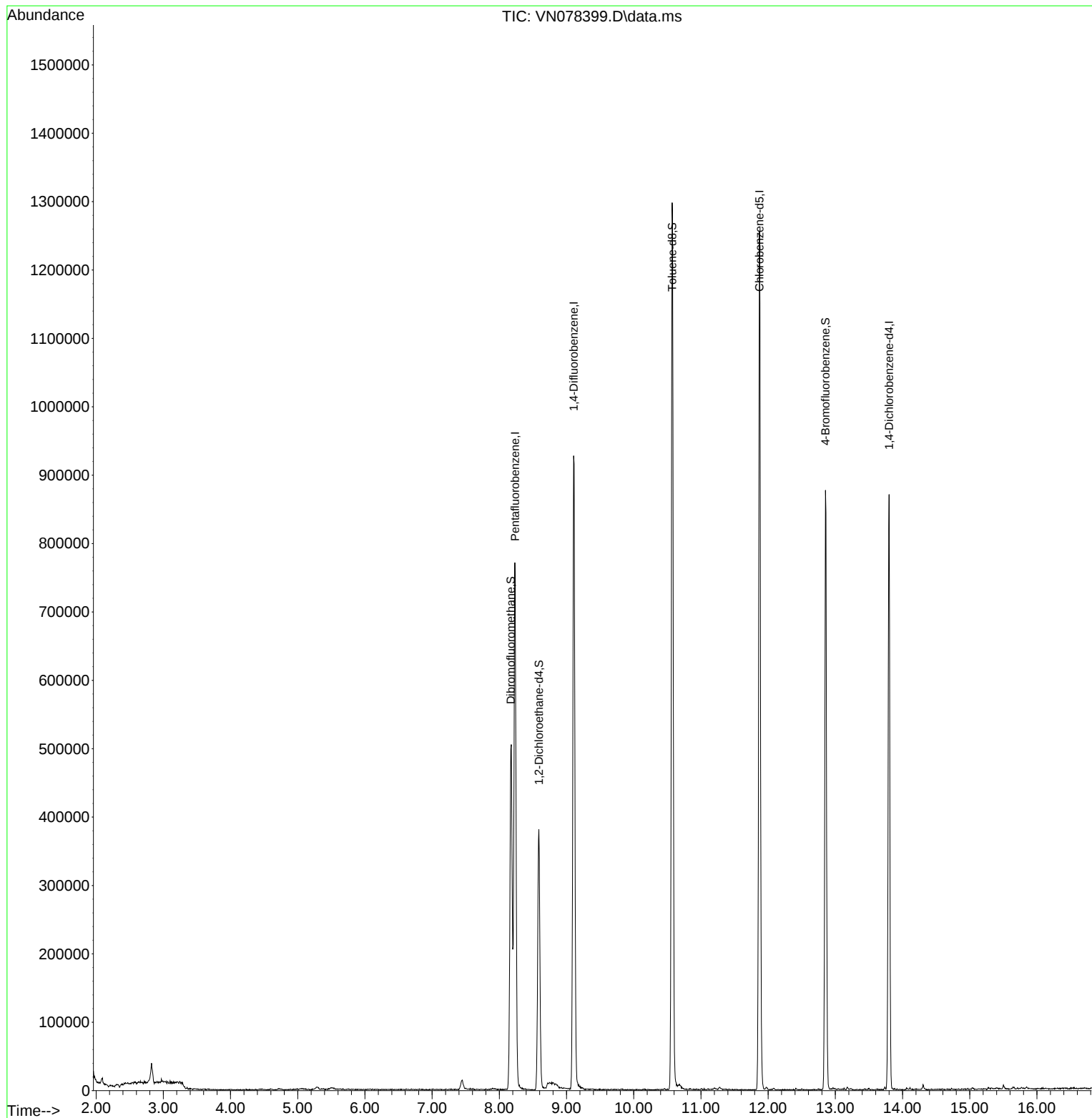
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

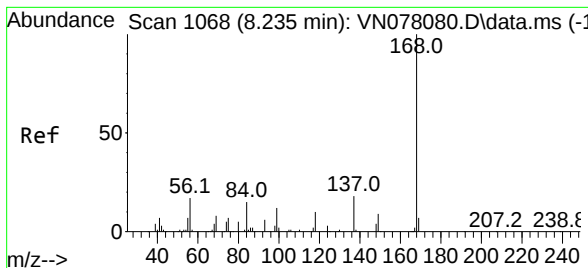
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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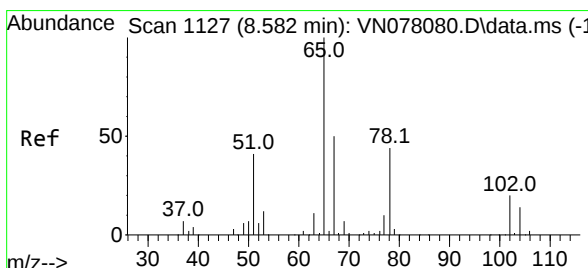
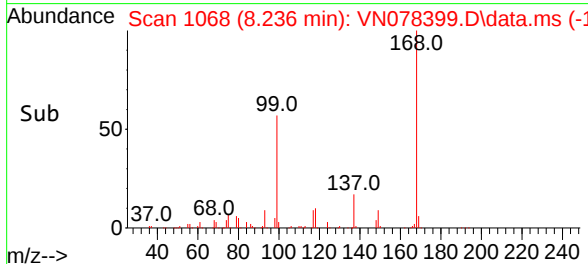
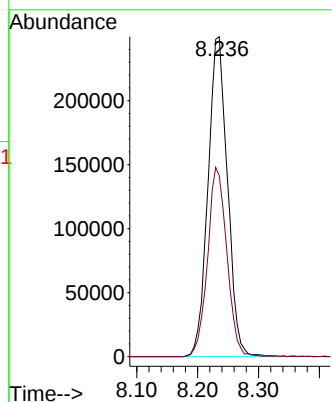
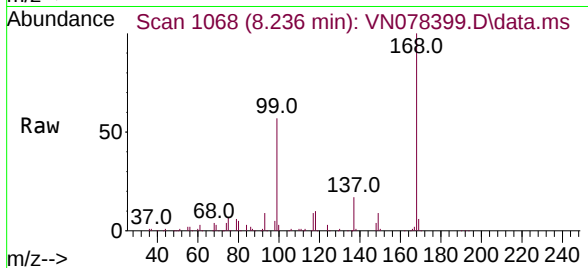




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1108  
Delta R.T. 0.001 min  
Lab File: VN078399.D  
Acq: 26 Jun 2023 12:13

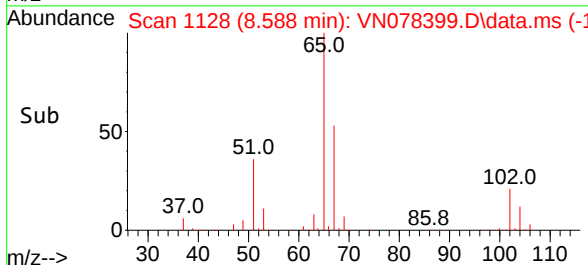
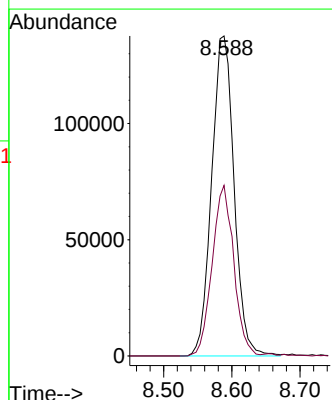
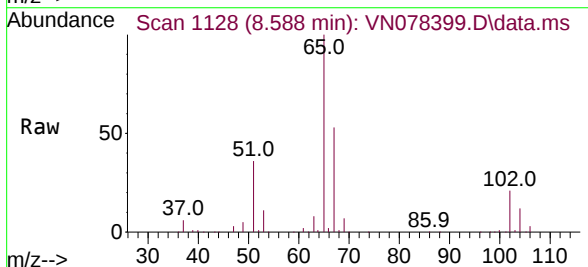
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0626MBL01

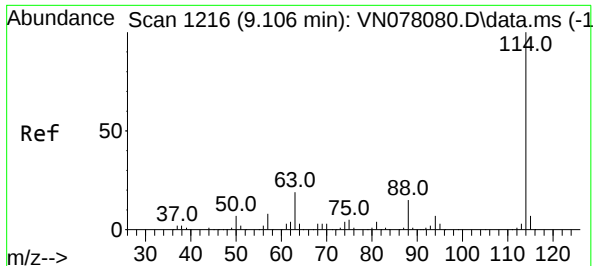
Tgt Ion:168 Resp: 554967  
Ion Ratio Lower Upper  
168 100  
99 56.5 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 42.620 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VN078399.D  
Acq: 26 Jun 2023 12:13

Tgt Ion: 65 Resp: 315366  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078399.D

Acq: 26 Jun 2023 12:13

Instrument :

MSVOA\_N

ClientSampleId :

VN0626MBL01

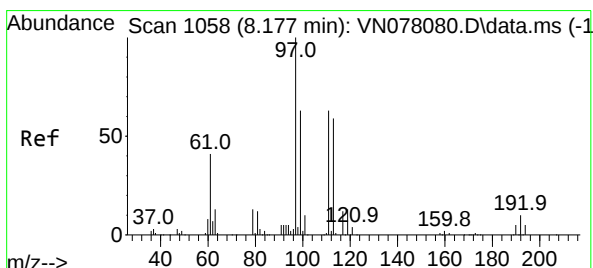
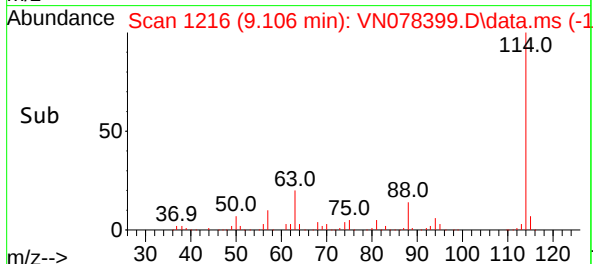
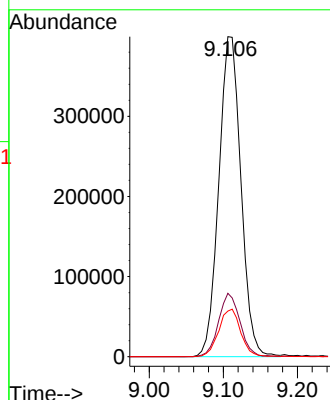
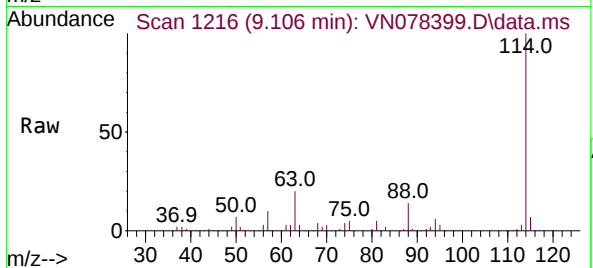
Tgt Ion:114 Resp: 828104

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 70.329 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078399.D

Acq: 26 Jun 2023 12:13

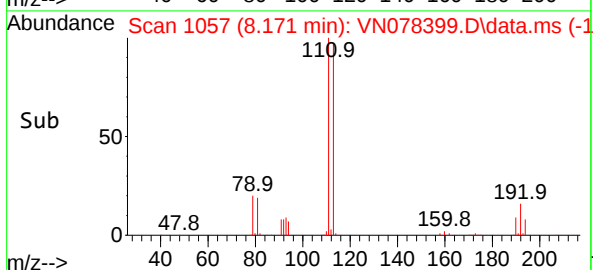
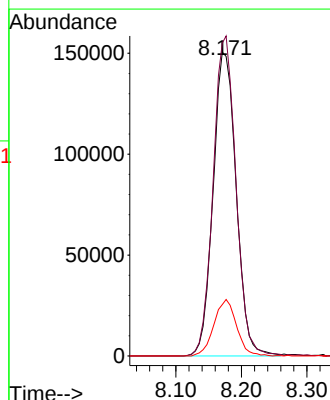
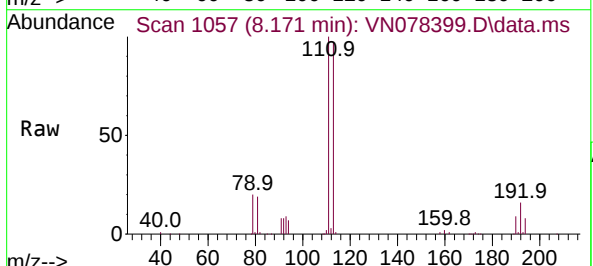
Tgt Ion:113 Resp: 368243

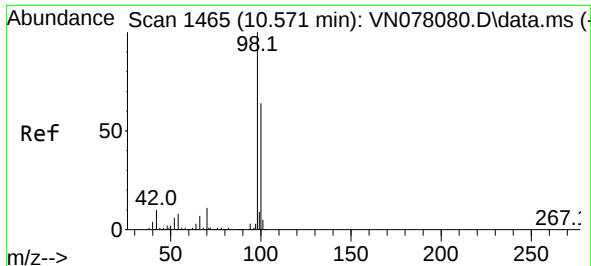
Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 18.2 12.7 19.1

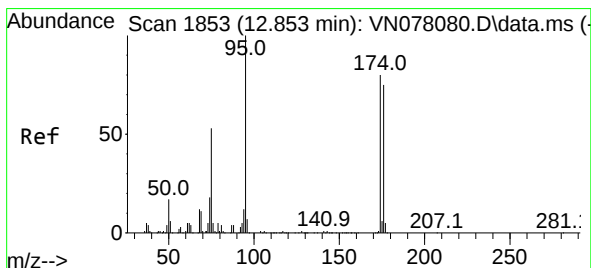
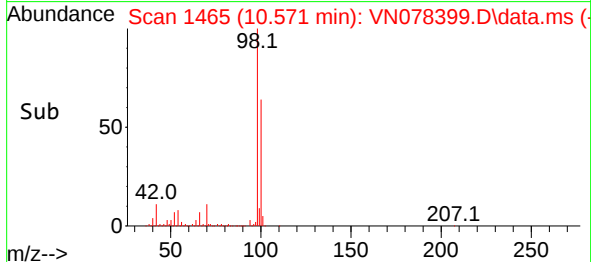
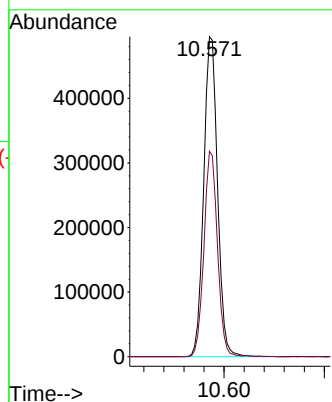
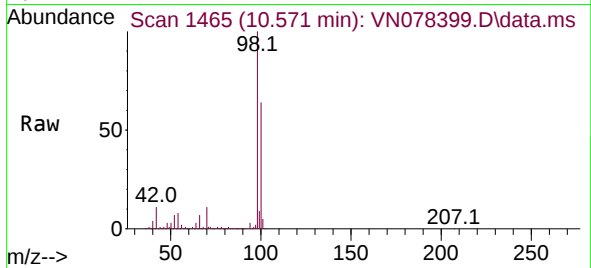




#50  
Toluene-d8  
Concen: 47.020 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN078399.D  
Acq: 26 Jun 2023 12:13

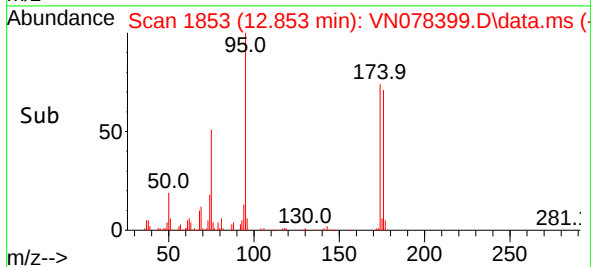
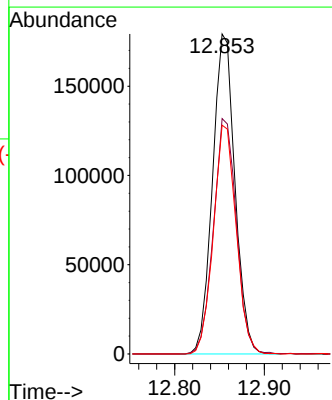
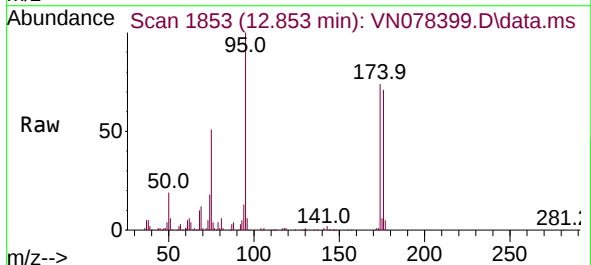
Instrument :  
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VN0626MBL01

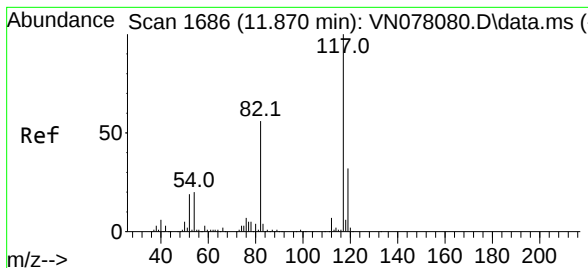
Tgt Ion: 98 Resp: 949122  
Ion Ratio Lower Upper  
98 100  
100 63.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 49.519 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN078399.D  
Acq: 26 Jun 2023 12:13

Tgt Ion: 95 Resp: 310739  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 143.8  
176 72.6 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078399.D

Acq: 26 Jun 2023 12:13

Instrument :

MSVOA\_N

ClientSampleId :

VN0626MBL01

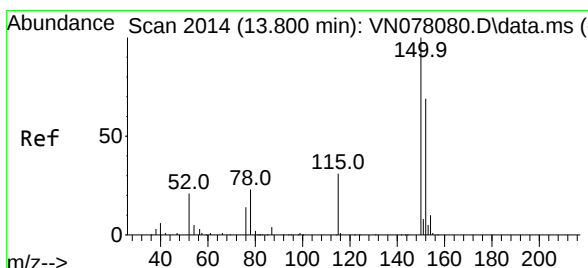
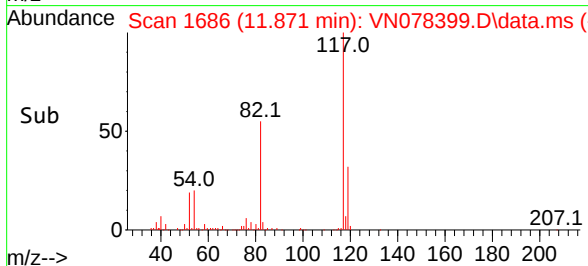
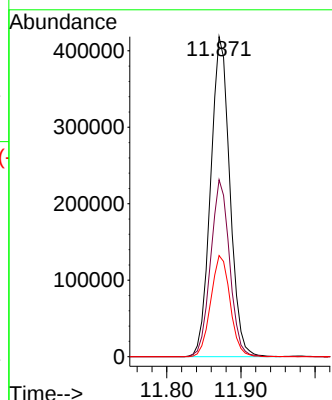
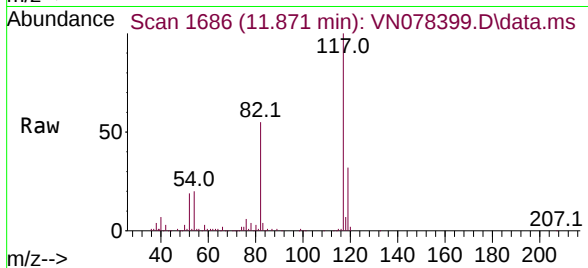
Tgt Ion:117 Resp: 753432

Ion Ratio Lower Upper

117 100

82 55.3 44.0 66.0

119 31.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078399.D

Acq: 26 Jun 2023 12:13

Tgt Ion:152 Resp: 237915

Ion Ratio Lower Upper

152 100

115 59.1 32.3 96.8

150 153.8 0.0 355.8

