

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022624\  
 Data File : VN081193.D  
 Acq On : 26 Feb 2024 14:28  
 Operator : JC\MD  
 Sample : P1533-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RW8-MW01D2-20240217

Quant Time: Feb 27 00:07:17 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

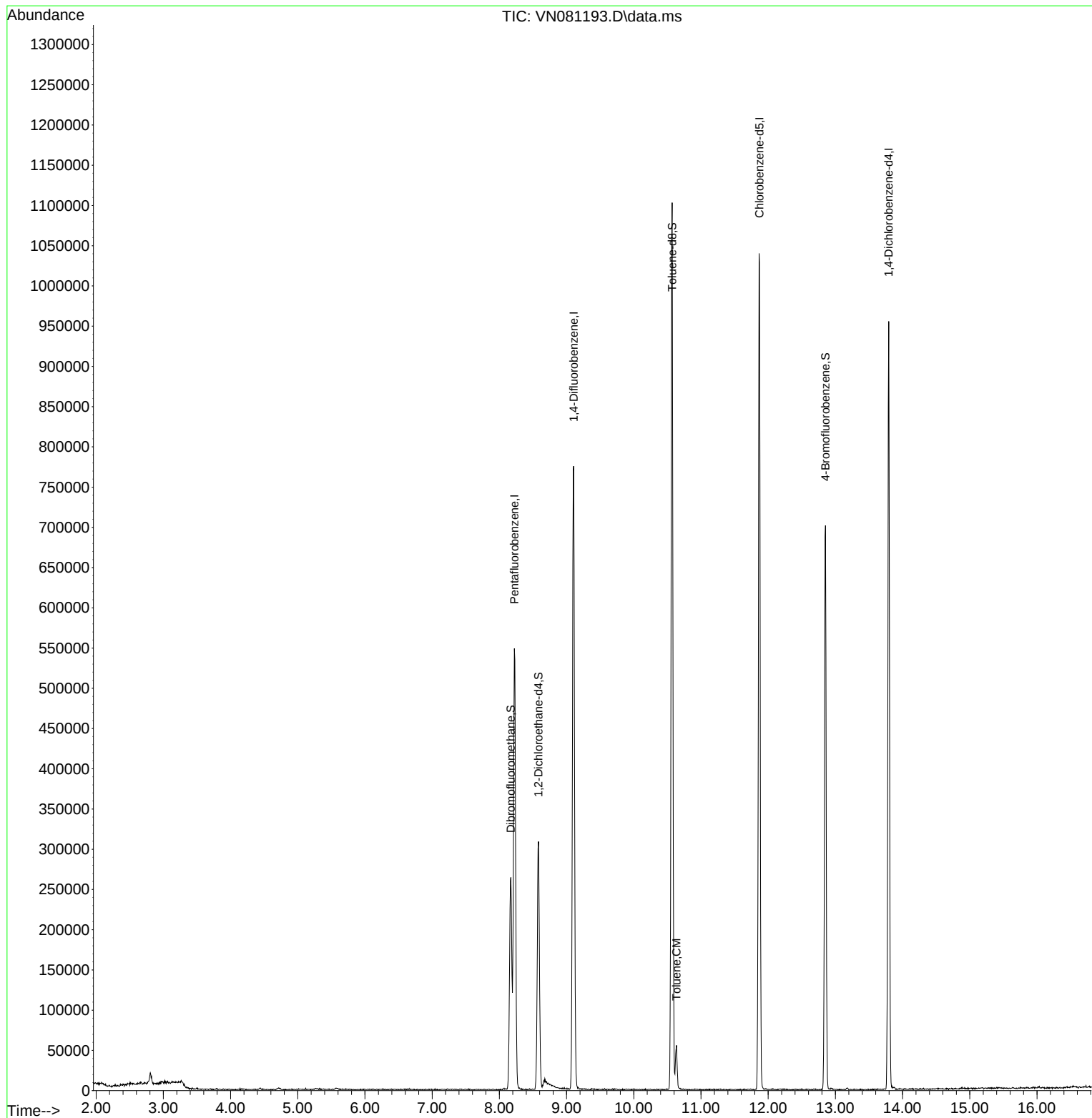
| Compound                    | R.T. QIon |       | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|-----------|-------|----------|----------|-------|-----------|
| -----                       |           |       |          |          |       |           |
| Internal Standards          |           |       |          |          |       |           |
| 1) Pentafluorobenzene       | 8.224     | 168   | 383962   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 693195   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.871    | 117   | 602453   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 242160   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |           |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.583     | 65    | 246303   | 52.335   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =     | 104.660%  |
| 35) Dibromofluoromethane    | 8.171     | 113   | 192013   | 48.985   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =     | 97.980%   |
| 50) Toluene-d8              | 10.571    | 98    | 757166   | 54.386   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =     | 108.780%  |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 247481   | 47.308   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =     | 94.620%   |
| Target Compounds            |           |       |          |          |       |           |
| 52) Toluene                 | 10.635    | 92    | 22264    | 1.809    | ug/l  | Qvalue 99 |
| -----                       |           |       |          |          |       |           |

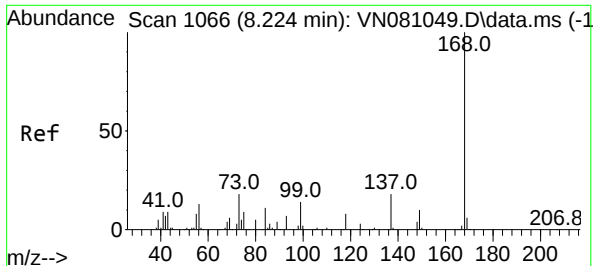
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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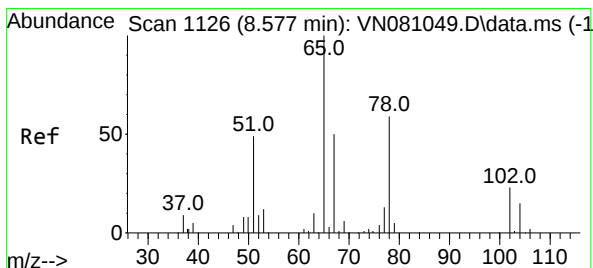
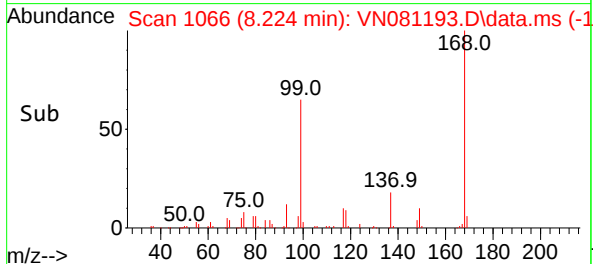
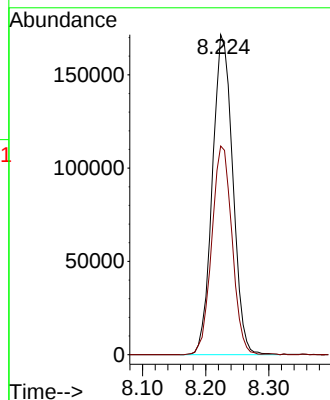
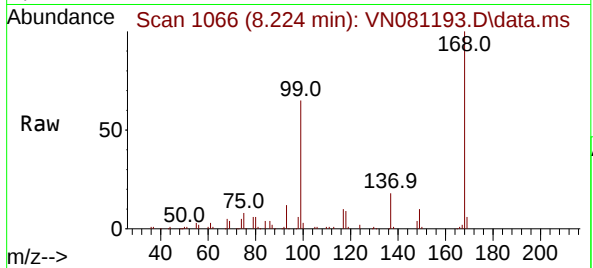




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081193.D  
Acq: 26 Feb 2024 14:28

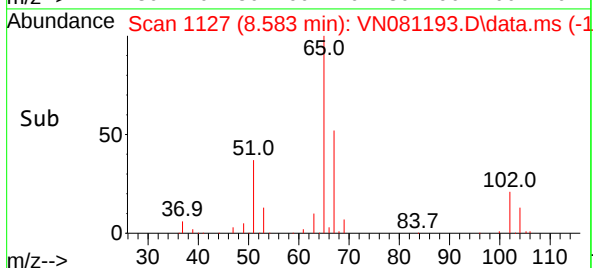
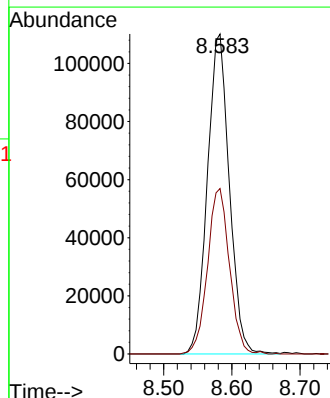
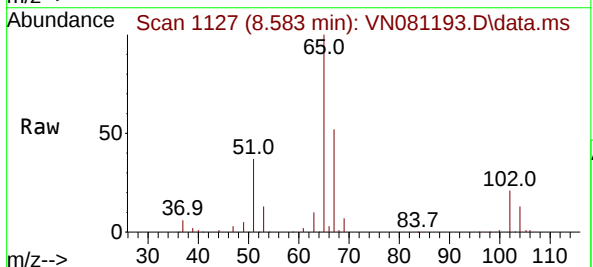
Instrument :  
MSVOA\_N  
ClientSampleId :  
RW8-MW01D2-20240217

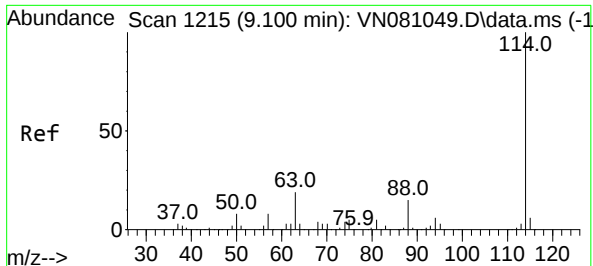
Tgt Ion:168 Resp: 383962  
Ion Ratio Lower Upper  
168 100  
99 65.2 59.9 89.9



#33  
1,2-Dichloroethane-d4  
Concen: 52.335 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081193.D  
Acq: 26 Feb 2024 14:28

Tgt Ion: 65 Resp: 246303  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081193.D

Acq: 26 Feb 2024 14:28

Instrument :

MSVOA\_N

ClientSampleId :

RW8-MW01D2-20240217

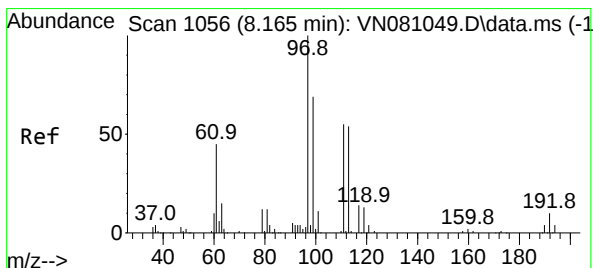
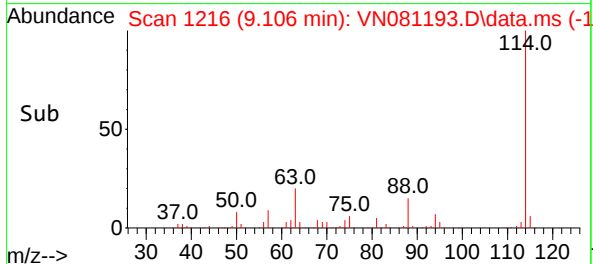
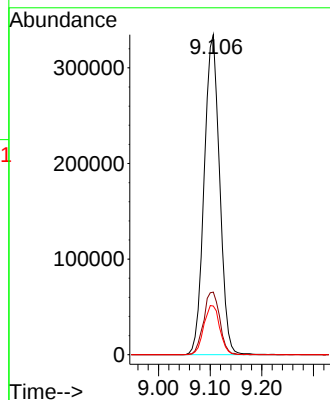
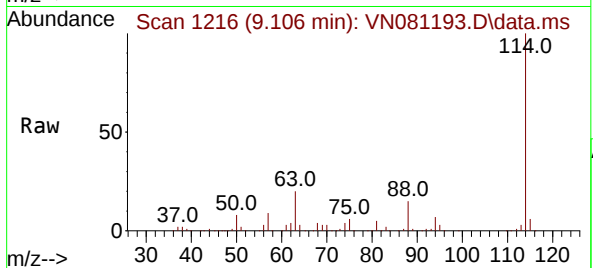
Tgt Ion:114 Resp: 693195

Ion Ratio Lower Upper

114 100

63 19.5 0.0 48.0

88 15.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.985 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081193.D

Acq: 26 Feb 2024 14:28

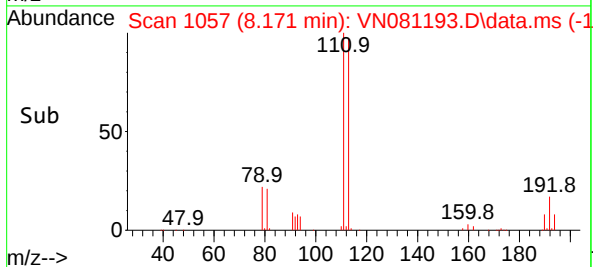
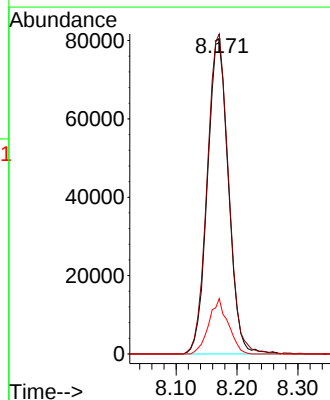
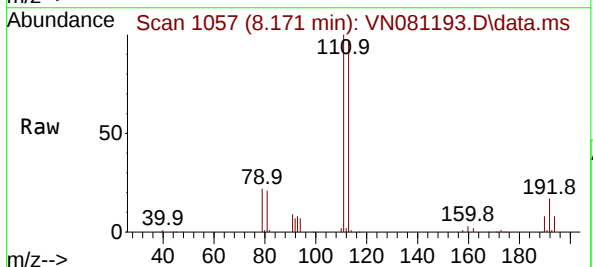
Tgt Ion:113 Resp: 192013

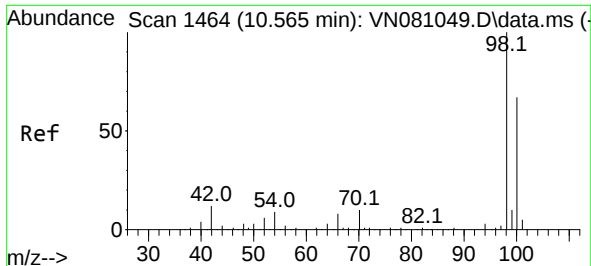
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 16.2 12.5 18.7

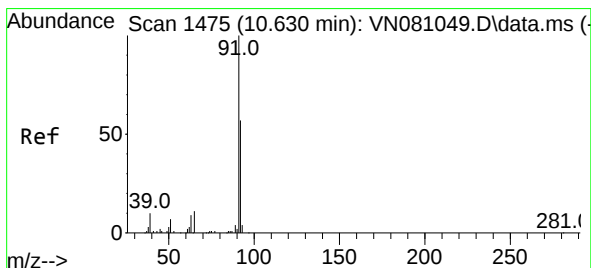
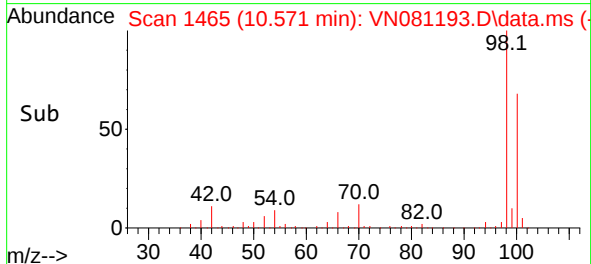
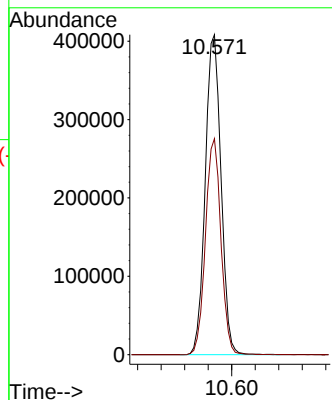
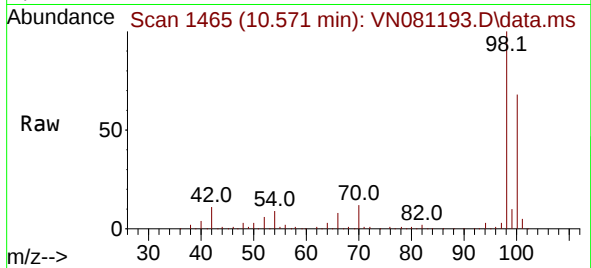




#50  
Toluene-d8  
Concen: 54.386 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN081193.D  
Acq: 26 Feb 2024 14:28

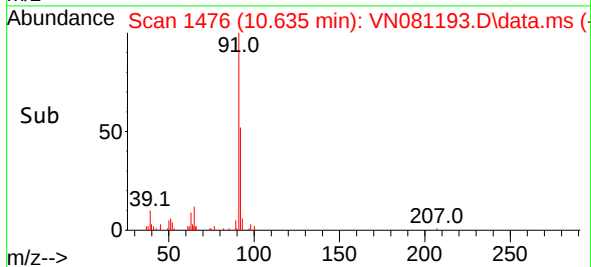
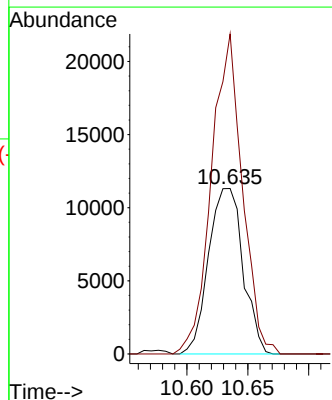
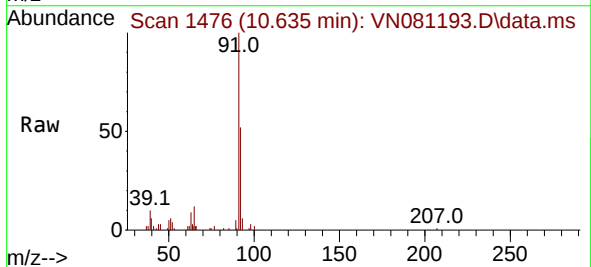
Instrument :  
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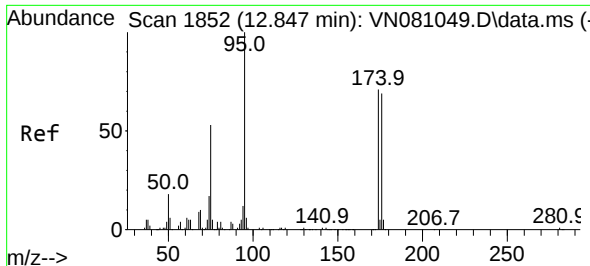
Tgt Ion: 98 Resp: 757166  
Ion Ratio Lower Upper  
98 100  
100 66.2 51.4 77.0



#52  
Toluene  
Concen: 1.809 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VN081193.D  
Acq: 26 Feb 2024 14:28

Tgt Ion: 92 Resp: 22264  
Ion Ratio Lower Upper  
92 100  
91 173.5 139.4 209.0

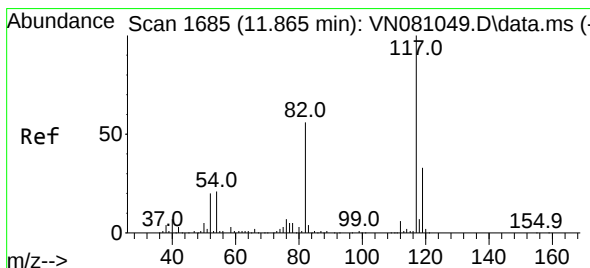
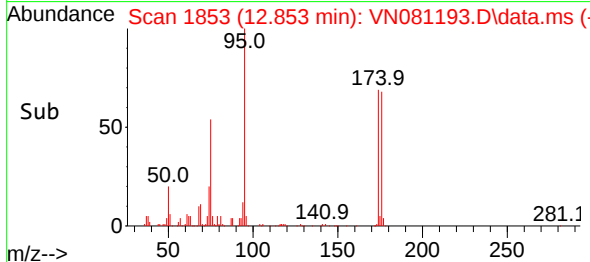
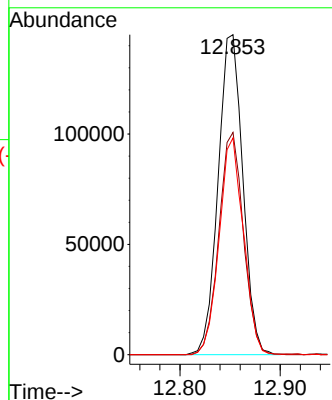
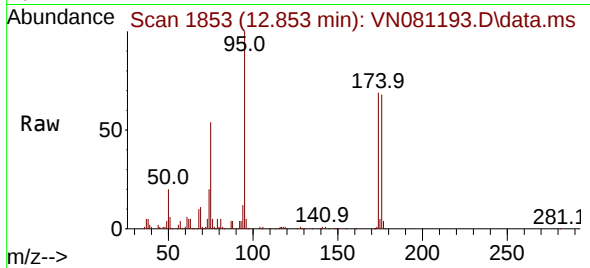




#62  
4-Bromofluorobenzene  
Concen: 47.308 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN081193.D  
Acq: 26 Feb 2024 14:28

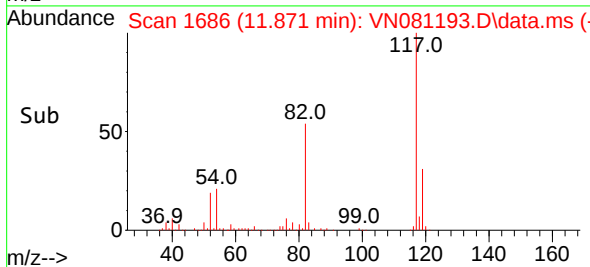
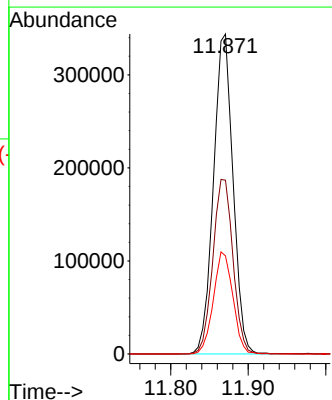
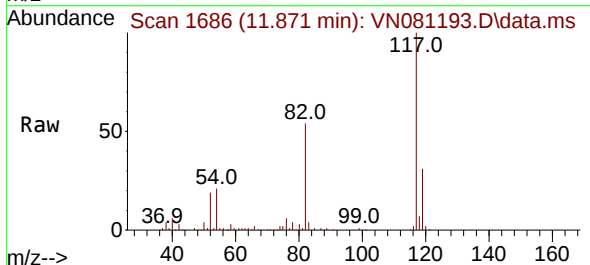
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MSVOA\_N  
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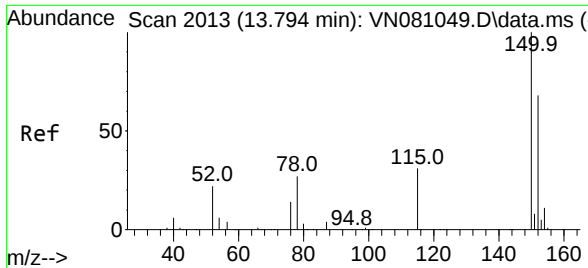
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 247481 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 69.0  | 0.0   | 120.4  |
| 176      | 66.6  | 0.0   | 121.0  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN081193.D  
Acq: 26 Feb 2024 14:28

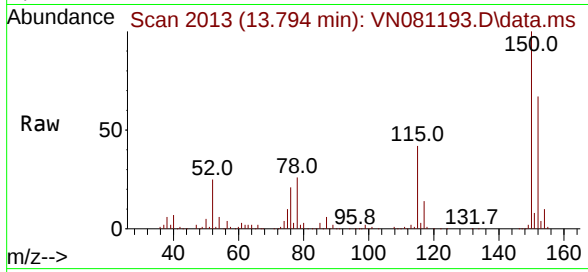
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 602453 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.3  | 52.7  | 79.1   |
| 119      | 30.7  | 25.3  | 37.9   |





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VN081193.D  
Acq: 26 Feb 2024 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
RW8-MW01D2-20240217



Tgt Ion:152 Resp: 242160  
Ion Ratio Lower Upper  
152 100  
115 63.4 32.3 96.8  
150 154.9 0.0 339.8

