

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110423\  
 Data File : VN079899.D  
 Acq On : 04 Nov 2023 17:41  
 Operator : JC\MD  
 Sample : 05222-18DL 5X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FSND-MW-EVAL-03D-20231101DL

Quant Time: Nov 06 02:16:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:49:08 2023  
 Response via : Initial Calibration

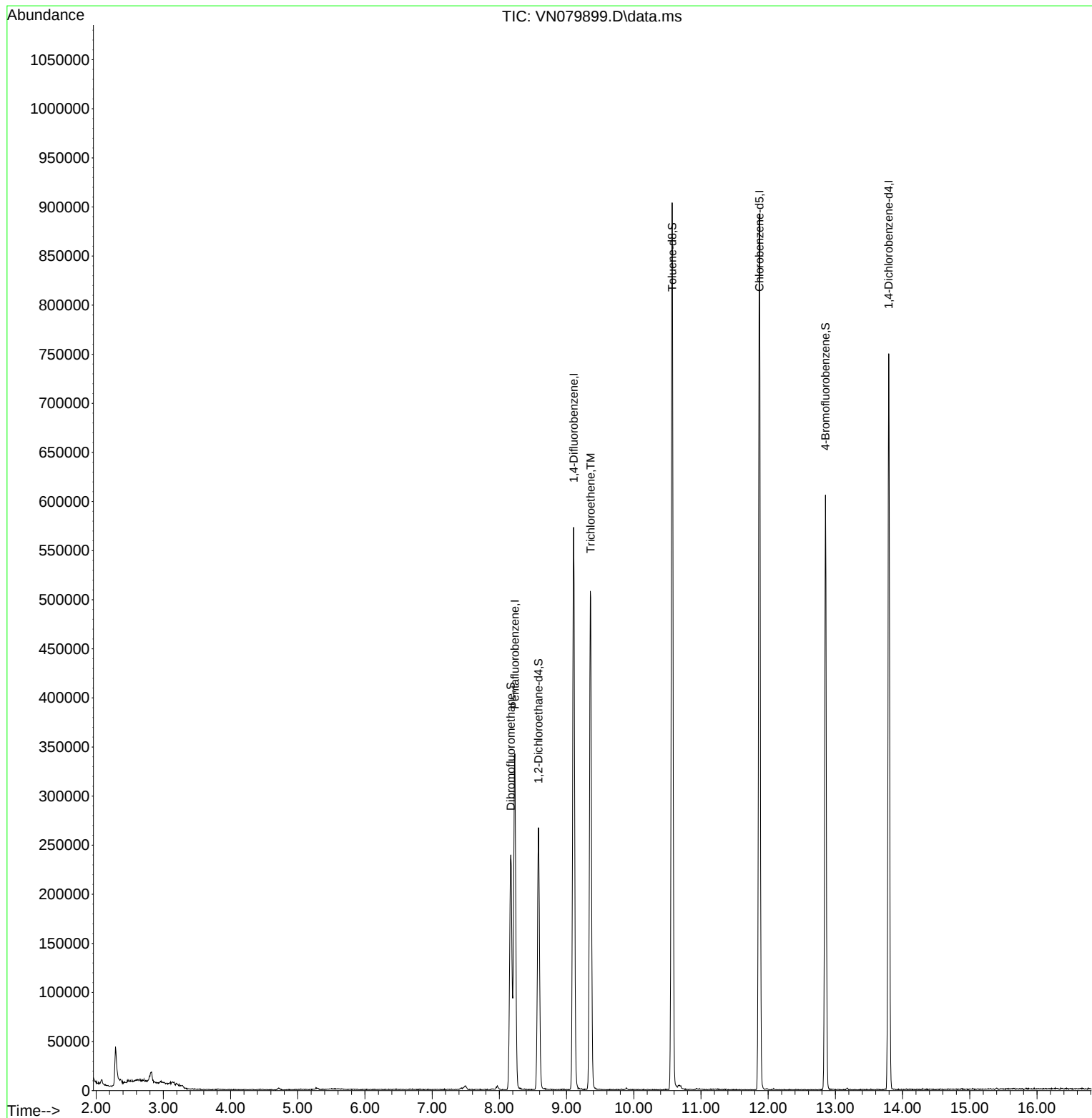
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 233742   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 472638   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 489757   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 189256   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 213330   | 59.905   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 119.820% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 172524   | 51.575   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 103.140% |
| 50) Toluene-d8              | 10.571 | 98    | 601092   | 48.811   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 97.620%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 199954   | 48.958   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 97.920%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 44) Trichloroethene         | 9.359  | 130   | 174719   | 49.218   | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

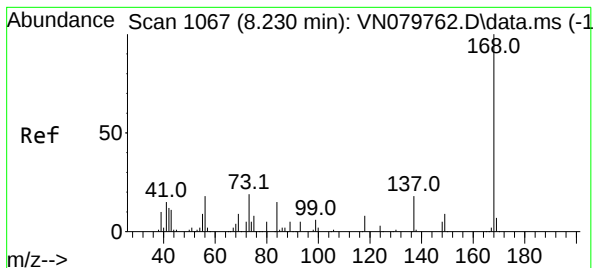
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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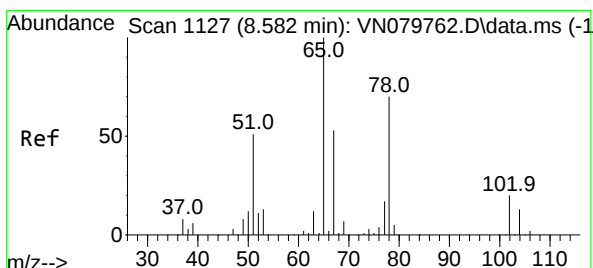
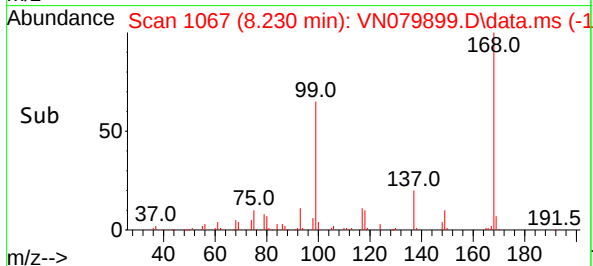
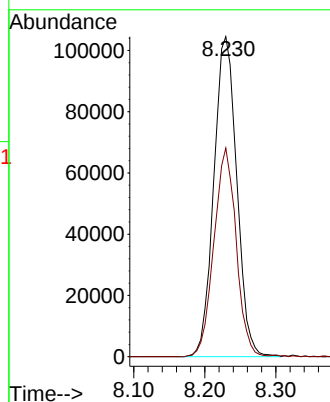
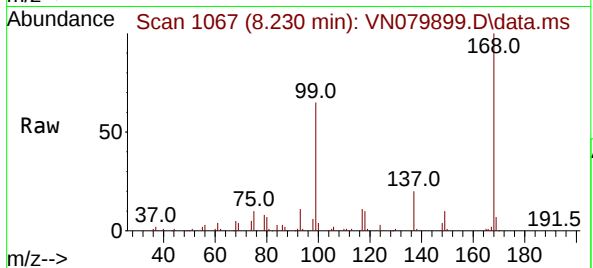




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. 0.001 min  
Lab File: VN079899.D  
Acq: 04 Nov 2023 17:41

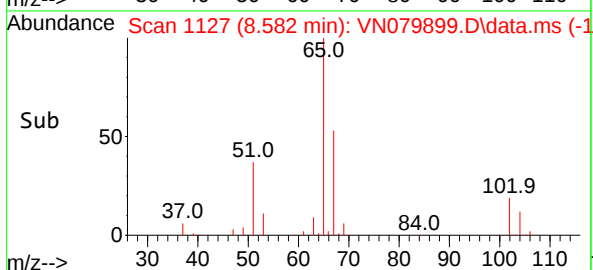
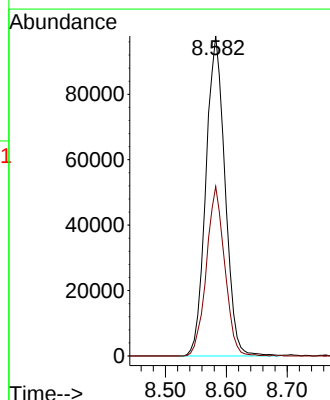
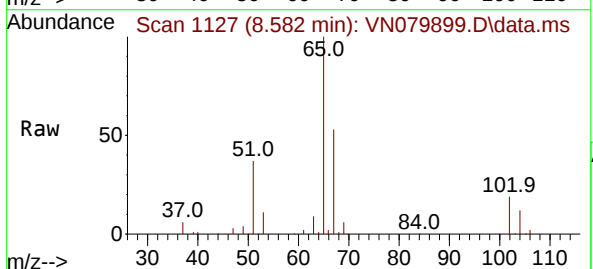
Instrument :  
MSVOA\_N  
ClientSampleId :  
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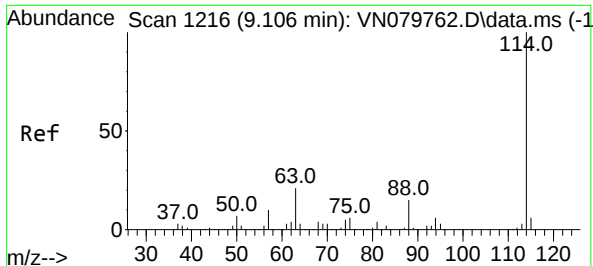
Tgt Ion:168 Resp: 233742  
Ion Ratio Lower Upper  
168 100  
99 65.2 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 59.905 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN079899.D  
Acq: 04 Nov 2023 17:41

Tgt Ion: 65 Resp: 213330  
Ion Ratio Lower Upper  
65 100  
67 50.6 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: VN079899.D

Acq: 04 Nov 2023 17:41

Instrument :

MSVOA\_N

ClientSampleId :

FSND-MW-EVAL-03D-20231101DL

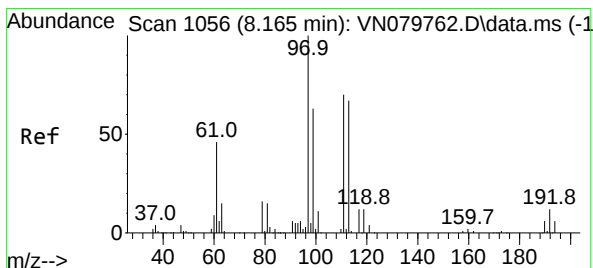
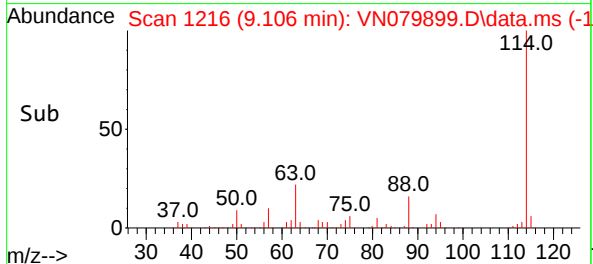
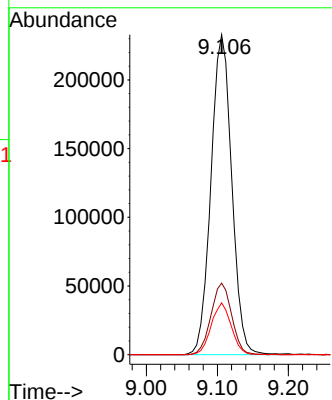
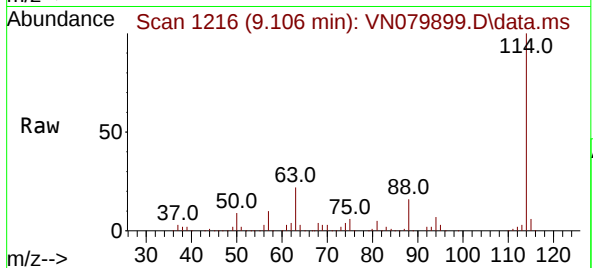
Tgt Ion:114 Resp: 472638

Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

88 16.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.575 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079899.D

Acq: 04 Nov 2023 17:41

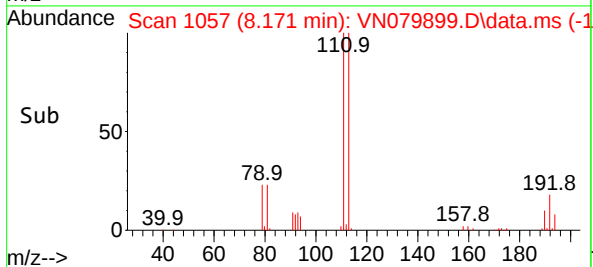
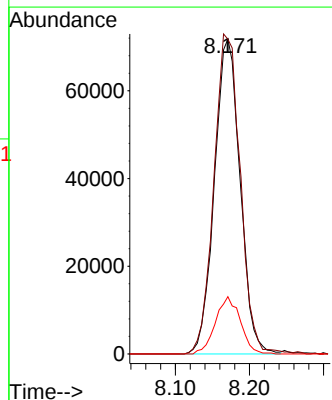
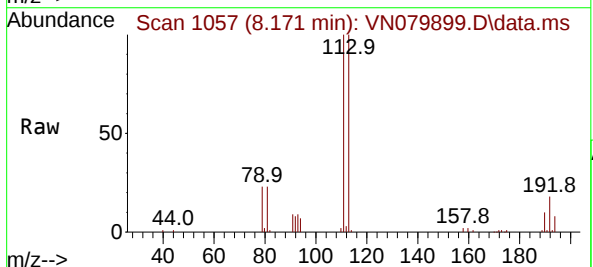
Tgt Ion:113 Resp: 172524

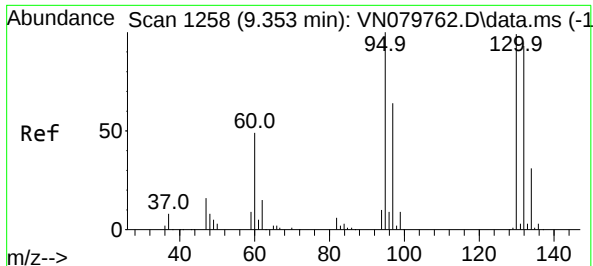
Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

192 17.7 12.7 19.1

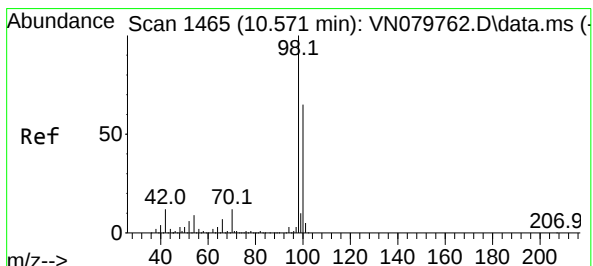
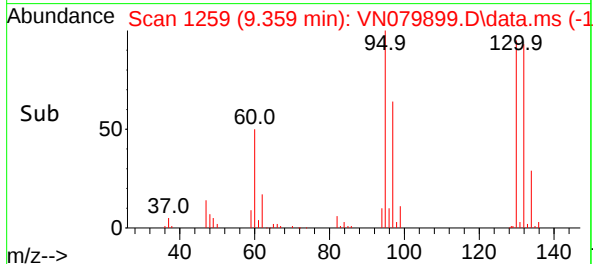
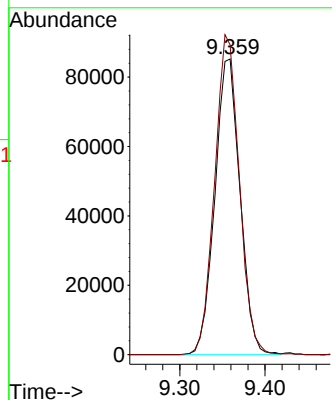
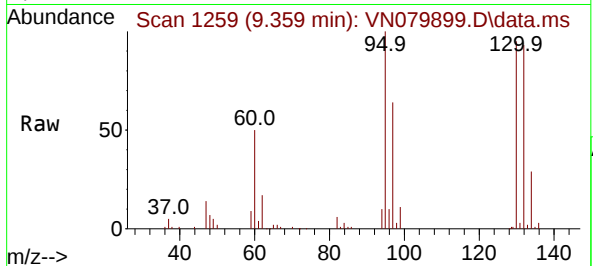




#44  
Trichloroethene  
Concen: 49.218 ug/l  
RT: 9.359 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN079899.D  
Acq: 04 Nov 2023 17:41

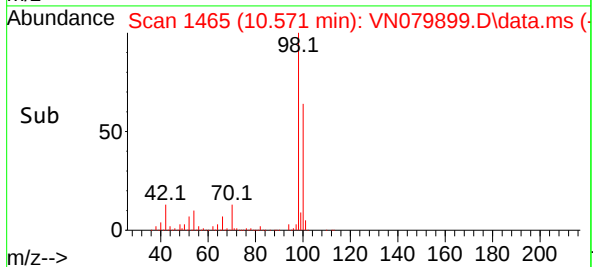
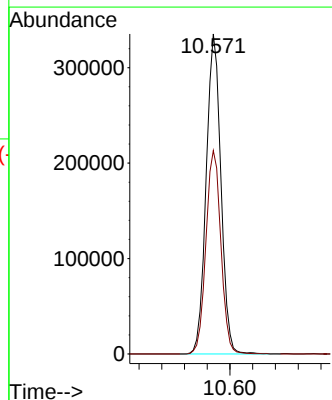
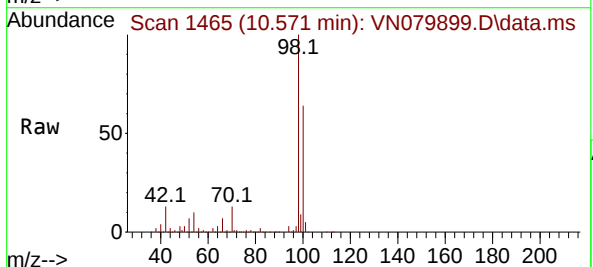
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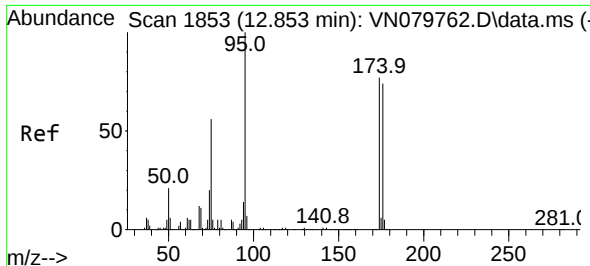
Tgt Ion:130 Resp: 174719  
Ion Ratio Lower Upper  
130 100  
95 104.7 0.0 204.6



#50  
Toluene-d8  
Concen: 48.811 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079899.D  
Acq: 04 Nov 2023 17:41

Tgt Ion: 98 Resp: 601092  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.0 78.0

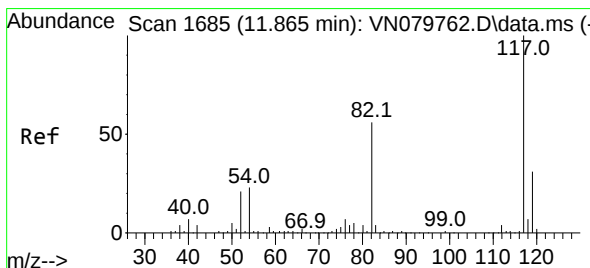
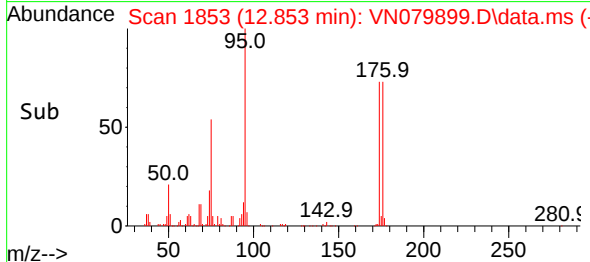
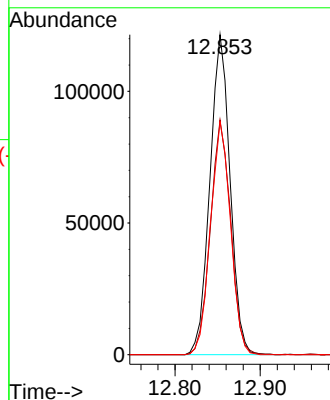
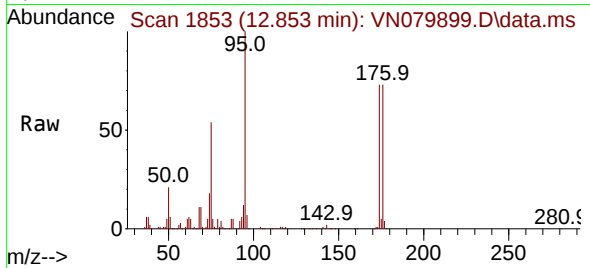




#62  
4-Bromofluorobenzene  
Concen: 48.958 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079899.D  
Acq: 04 Nov 2023 17:41

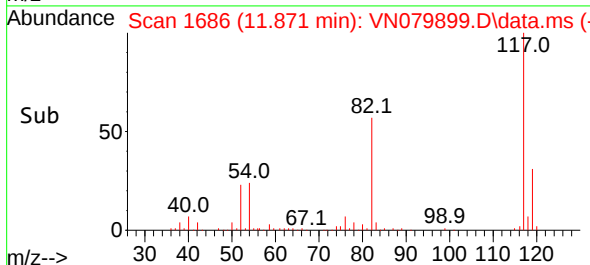
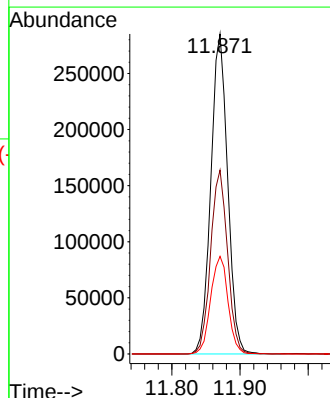
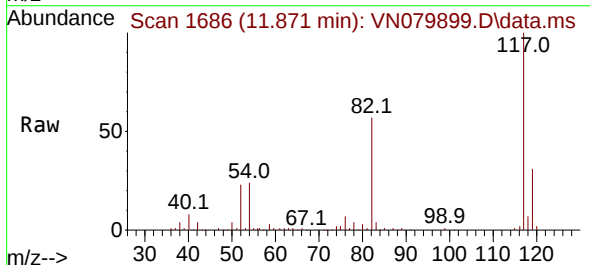
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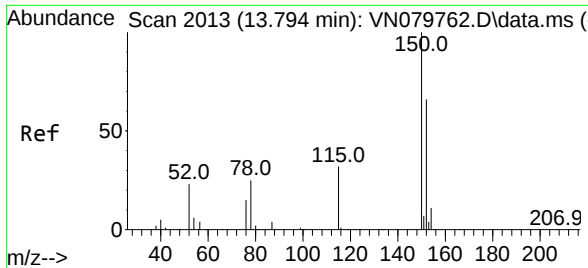
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 199954 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 73.8  | 0.0   | 143.8  |
| 176      | 72.2  | 0.0   | 135.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN079899.D  
Acq: 04 Nov 2023 17:41

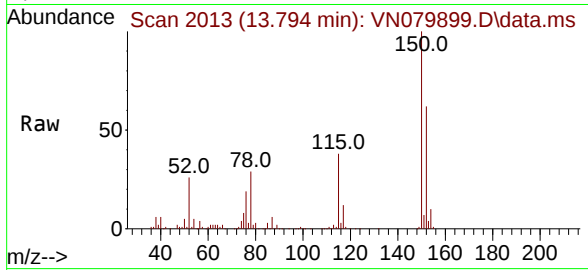
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 489757 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.5  | 44.0  | 66.0   |
| 119      | 30.5  | 25.6  | 38.4   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN079899.D  
 Acq: 04 Nov 2023 17:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FSND-MW-EVAL-03D-20231101DL



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 189256 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 61.5  | 32.3  | 96.8   |
| 150       | 158.1 | 0.0   | 355.8  |

