

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110423\  
 Data File : VN079910.D  
 Acq On : 04 Nov 2023 22:03  
 Operator : JC\MD  
 Sample : 05234-05  
 Misc : 1.12g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ATH-OILY-DEBRIS

Quant Time: Nov 06 02:22:07 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

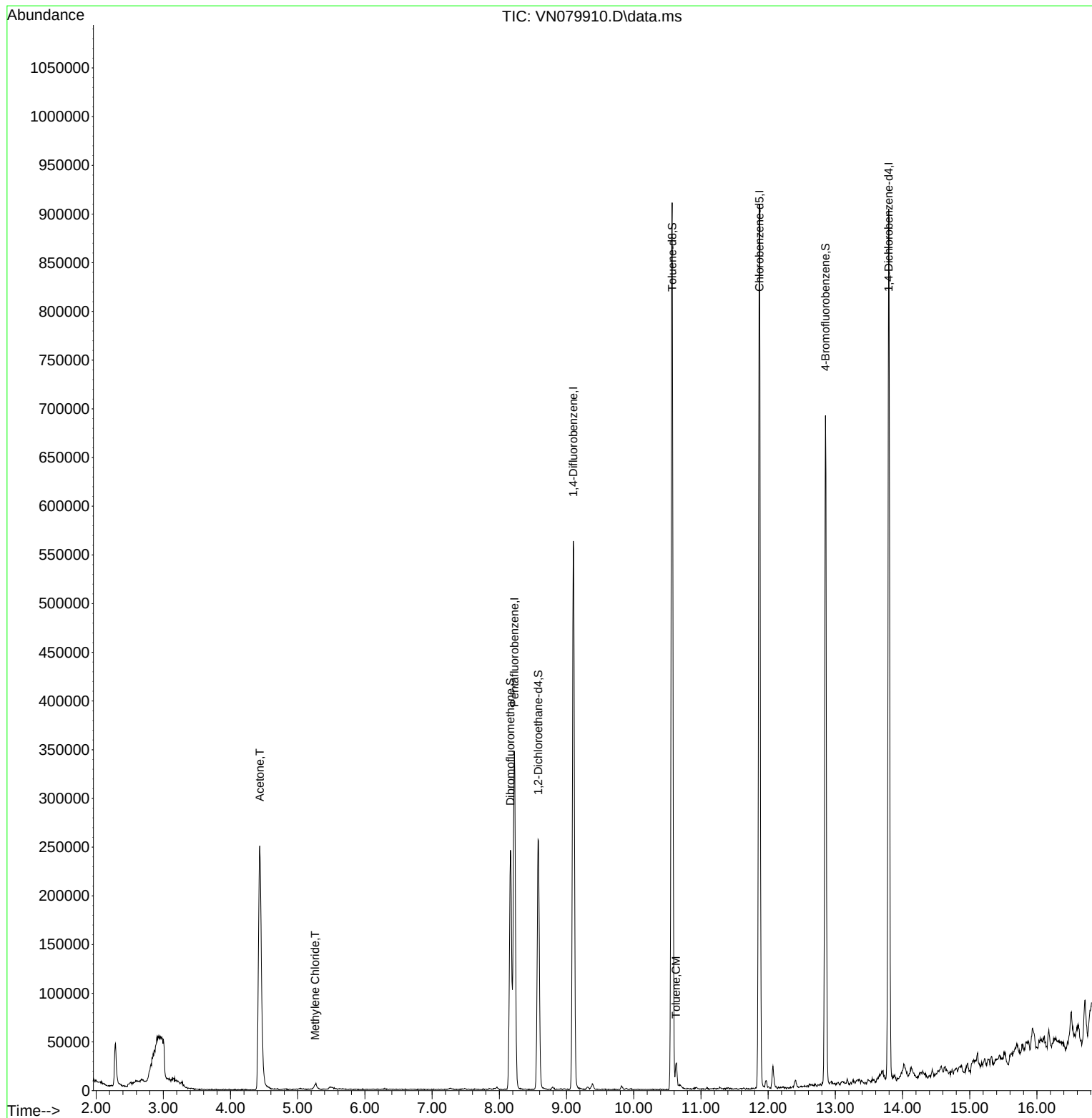
| Compound                    | R.T. QIon |                | Response | Conc    | Units    | Dev(Min) |
|-----------------------------|-----------|----------------|----------|---------|----------|----------|
| -----                       |           |                |          |         |          |          |
| Internal Standards          |           |                |          |         |          |          |
| 1) Pentafluorobenzene       | 8.224     | 168            | 242893   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100     | 114            | 470442   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117            | 500932   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152            | 224047   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds |           |                |          |         |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.577     | 65             | 211496   | 57.152  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | =       | 114.300% |          |
| 35) Dibromofluoromethane    | 8.165     | 113            | 172074   | 51.680  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | =       | 103.360% |          |
| 50) Toluene-d8              | 10.571    | 98             | 627141   | 51.164  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | =       | 102.320% |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95             | 233104   | 57.342  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 83 - 123 | Recovery | =       | 114.680% |          |
| Target Compounds            |           |                |          |         |          |          |
|                             |           |                |          |         |          | Qvalue   |
| 16) Acetone                 | 4.436     | 43             | 498688   | 383.648 | ug/l     | 94       |
| 20) Methylene Chloride      | 5.259     | 84             | 4350     | 1.326   | ug/l #   | 91       |
| 52) Toluene                 | 10.630    | 92             | 9850     | 1.167   | ug/l     | 100      |
| -----                       |           |                |          |         |          |          |

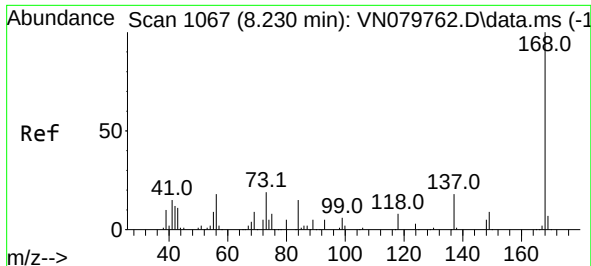
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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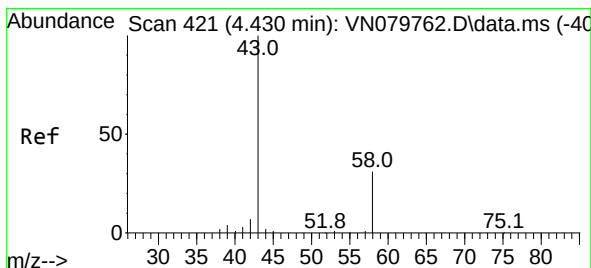
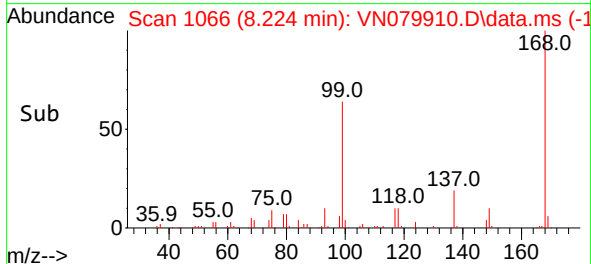
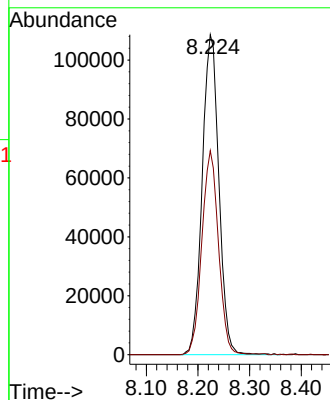
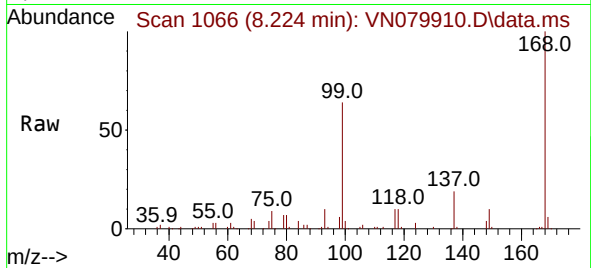




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.005 min  
Lab File: VN079910.D  
Acq: 04 Nov 2023 22:03

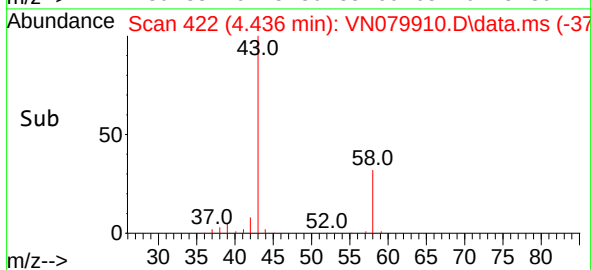
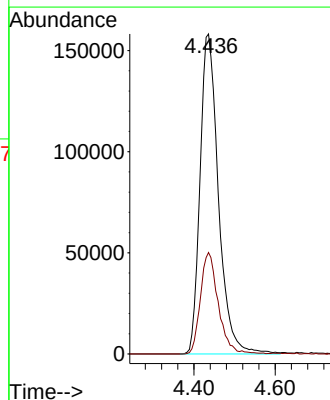
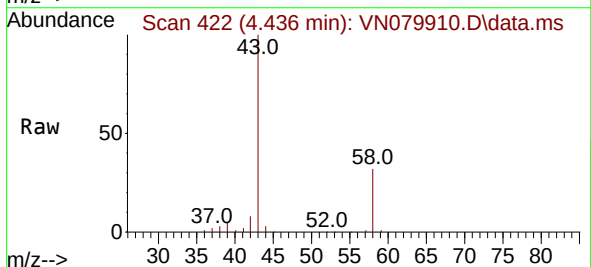
Instrument :  
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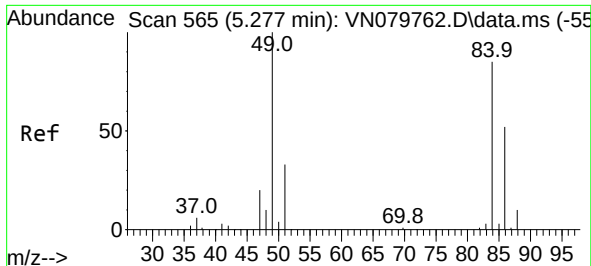
Tgt Ion:168 Resp: 242893  
Ion Ratio Lower Upper  
168 100  
99 63.7 53.0 79.6



#16  
Acetone  
Concen: 383.648 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN079910.D  
Acq: 04 Nov 2023 22:03

Tgt Ion: 43 Resp: 498688  
Ion Ratio Lower Upper  
43 100  
58 31.7 28.0 42.0

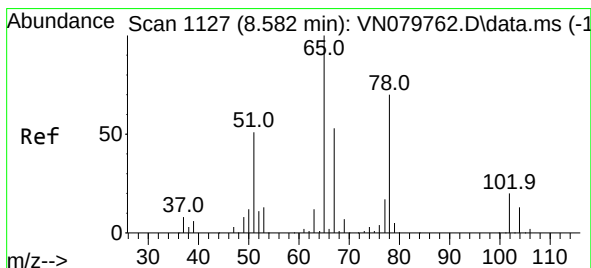
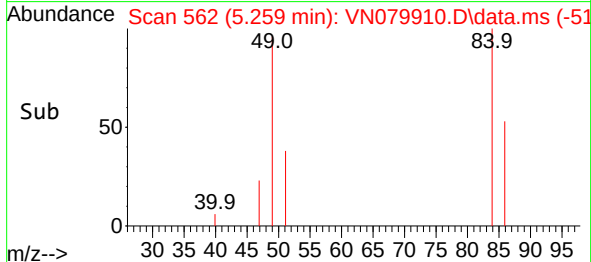
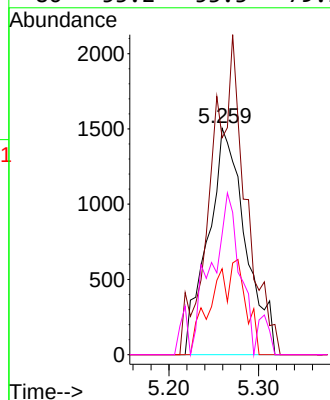
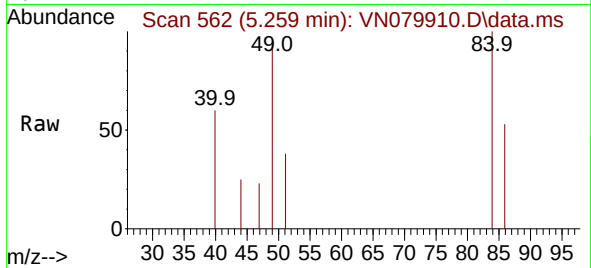




#20  
Methylene Chloride  
Concen: 1.326 ug/l  
RT: 5.259 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VN079910.D  
Acq: 04 Nov 2023 22:03

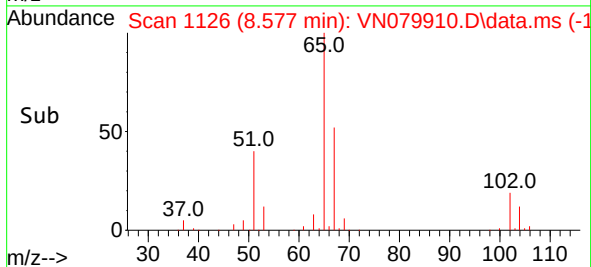
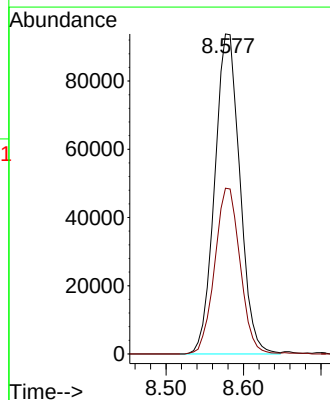
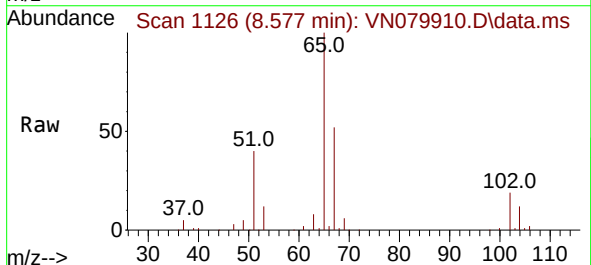
Instrument :  
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ClientSampleId :  
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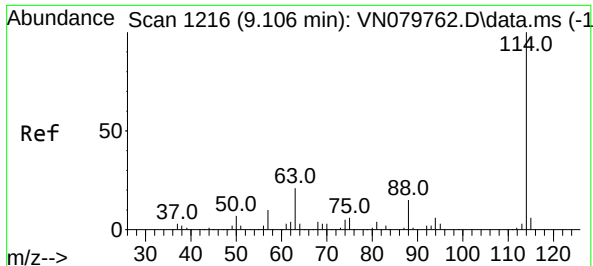
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 4350  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 95.8  | 79.7  | 119.5 |
| 51       | 38.0  | 25.2  | 37.8# |
| 86       | 53.2  | 53.3  | 79.9# |



#33  
1,2-Dichloroethane-d4  
Concen: 57.152 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VN079910.D  
Acq: 04 Nov 2023 22:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 211496 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.3  | 0.0   | 106.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079910.D

Acq: 04 Nov 2023 22:03

Instrument :

MSVOA\_N

ClientSampleId :

ATH-OILY-DEBRIS

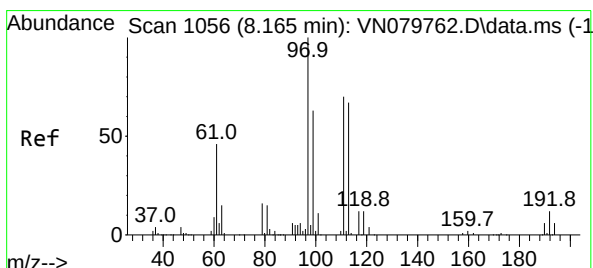
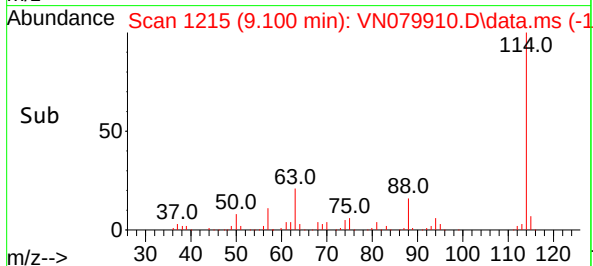
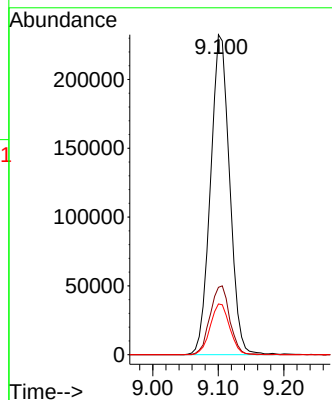
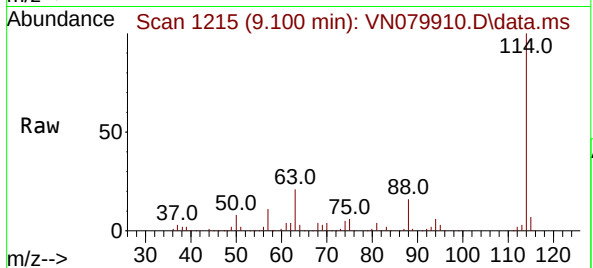
Tgt Ion:114 Resp: 470442

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.680 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN079910.D

Acq: 04 Nov 2023 22:03

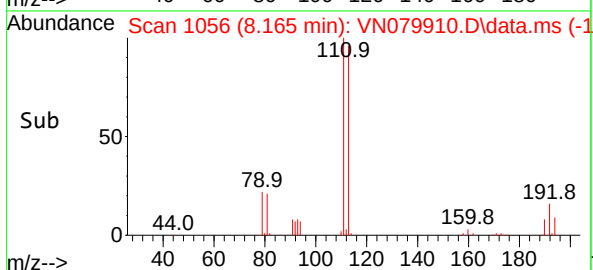
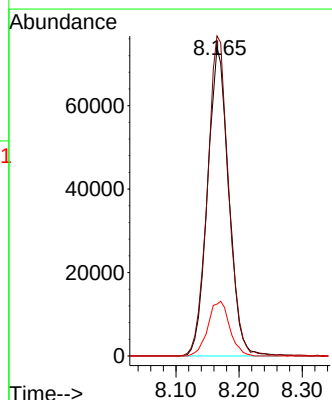
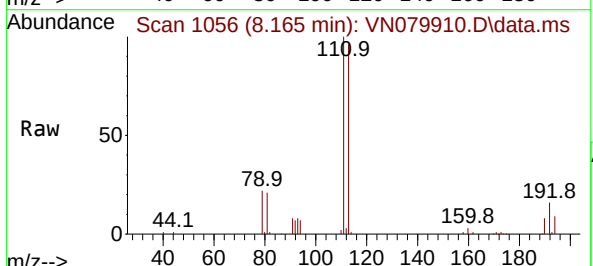
Tgt Ion:113 Resp: 172074

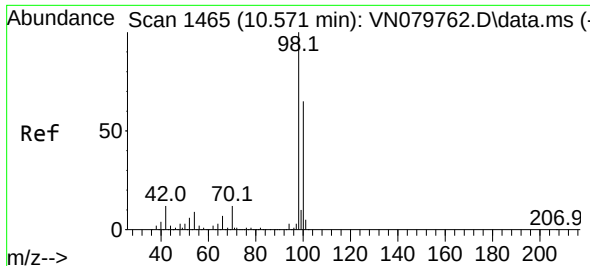
Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

192 18.2 12.7 19.1

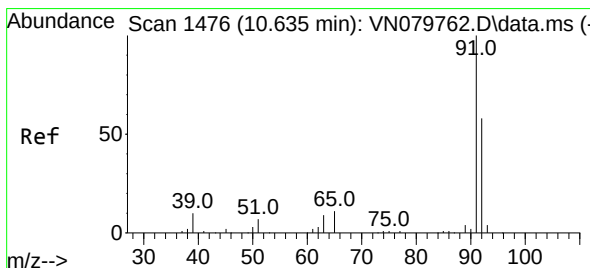
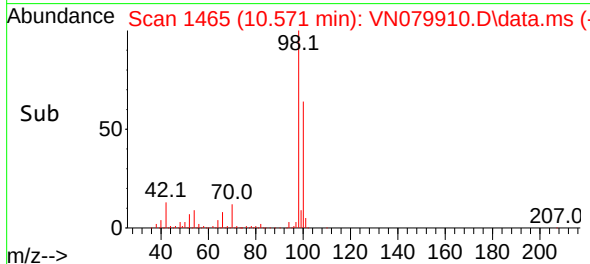
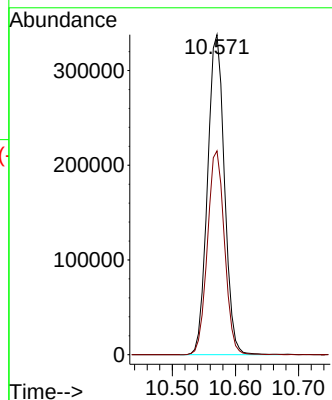
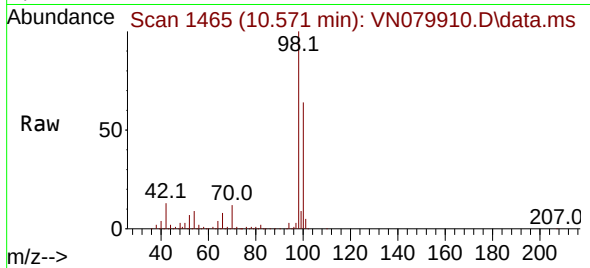




#50  
Toluene-d8  
Concen: 51.164 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079910.D  
Acq: 04 Nov 2023 22:03

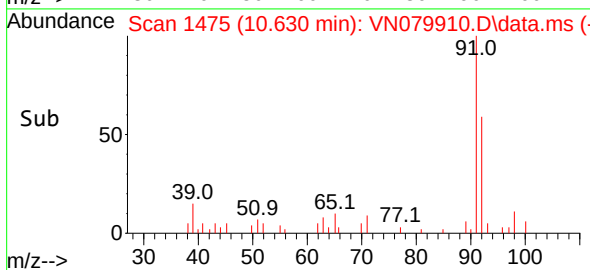
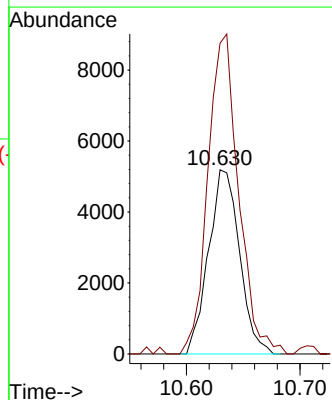
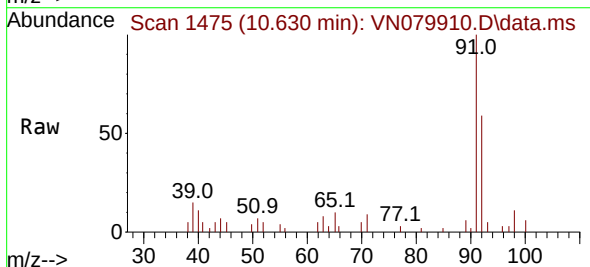
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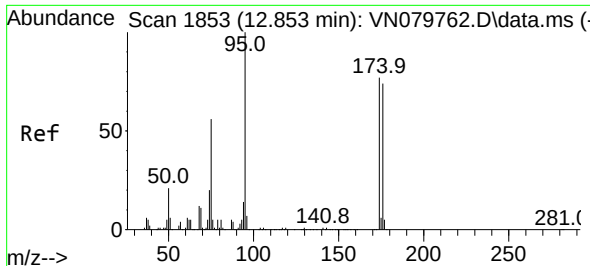
Tgt Ion: 98 Resp: 627141  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0



#52  
Toluene  
Concen: 1.167 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VN079910.D  
Acq: 04 Nov 2023 22:03

Tgt Ion: 92 Resp: 9850  
Ion Ratio Lower Upper  
92 100  
91 171.8 137.4 206.0

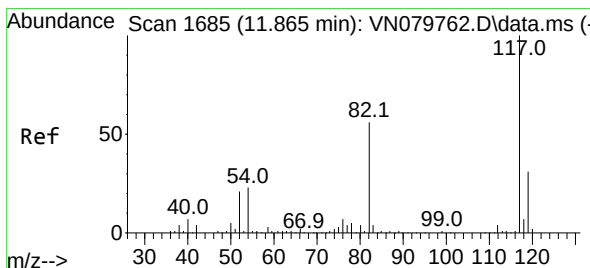
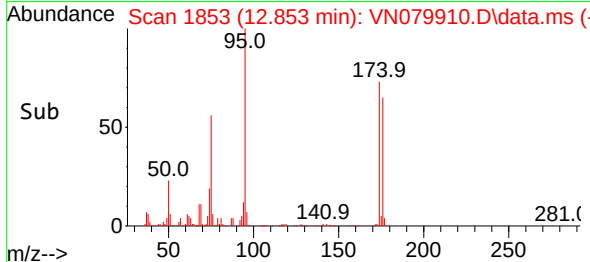
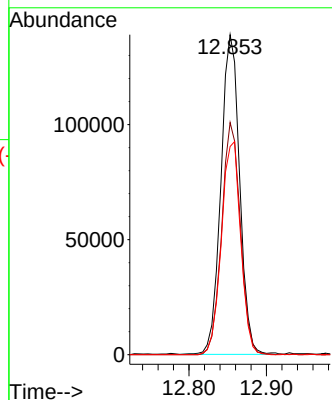
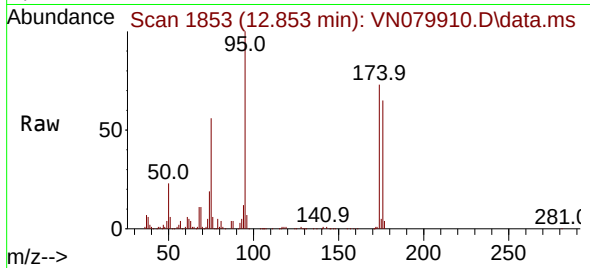




#62  
4-Bromofluorobenzene  
Concen: 57.342 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079910.D  
Acq: 04 Nov 2023 22:03

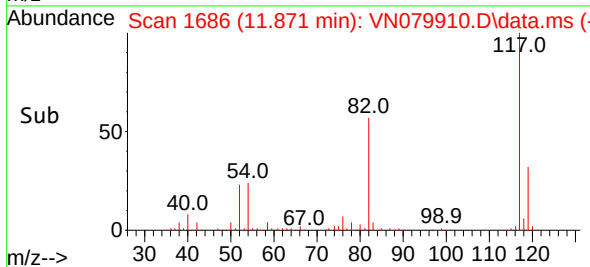
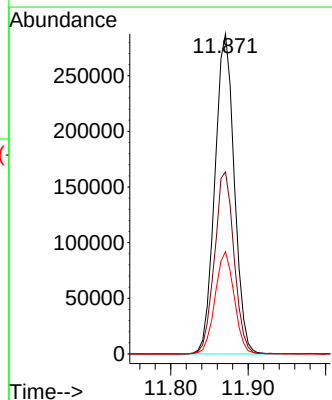
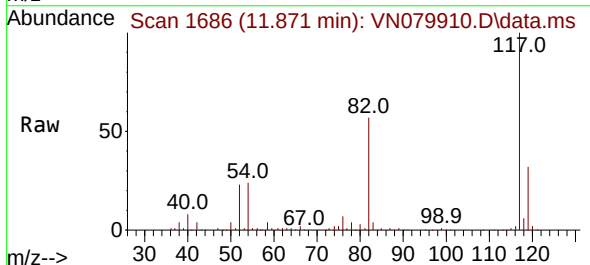
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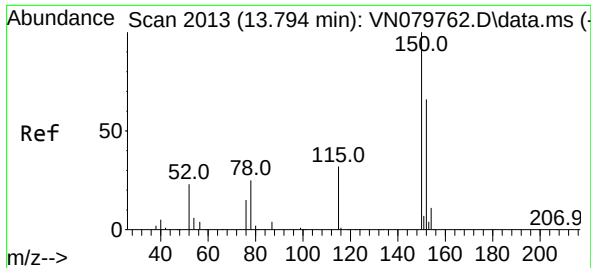
Tgt Ion: 95 Resp: 233104  
Ion Ratio Lower Upper  
95 100  
174 72.6 0.0 143.8  
176 68.6 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN079910.D  
Acq: 04 Nov 2023 22:03

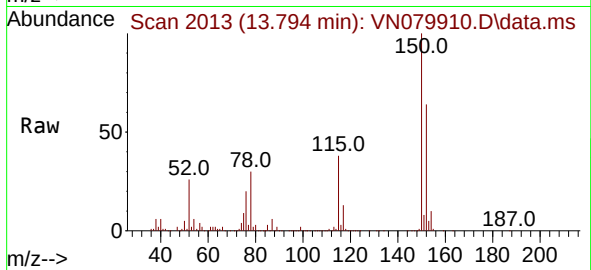
Tgt Ion: 117 Resp: 500932  
Ion Ratio Lower Upper  
117 100  
82 56.9 44.0 66.0  
119 31.9 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN079910.D  
 Acq: 04 Nov 2023 22:03

Instrument :  
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Tgt Ion:152 Resp: 224047  
 Ion Ratio Lower Upper  
 152 100  
 115 62.3 32.3 96.8  
 150 158.1 0.0 355.8

