

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112023\  
 Data File : VN080212.D  
 Acq On : 20 Nov 2023 16:59  
 Operator : JC\MD  
 Sample : PB157250ZHE#06  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB157250ZHE#06

Quant Time: Nov 21 01:07:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 17 01:19:32 2023  
 Response via : Initial Calibration

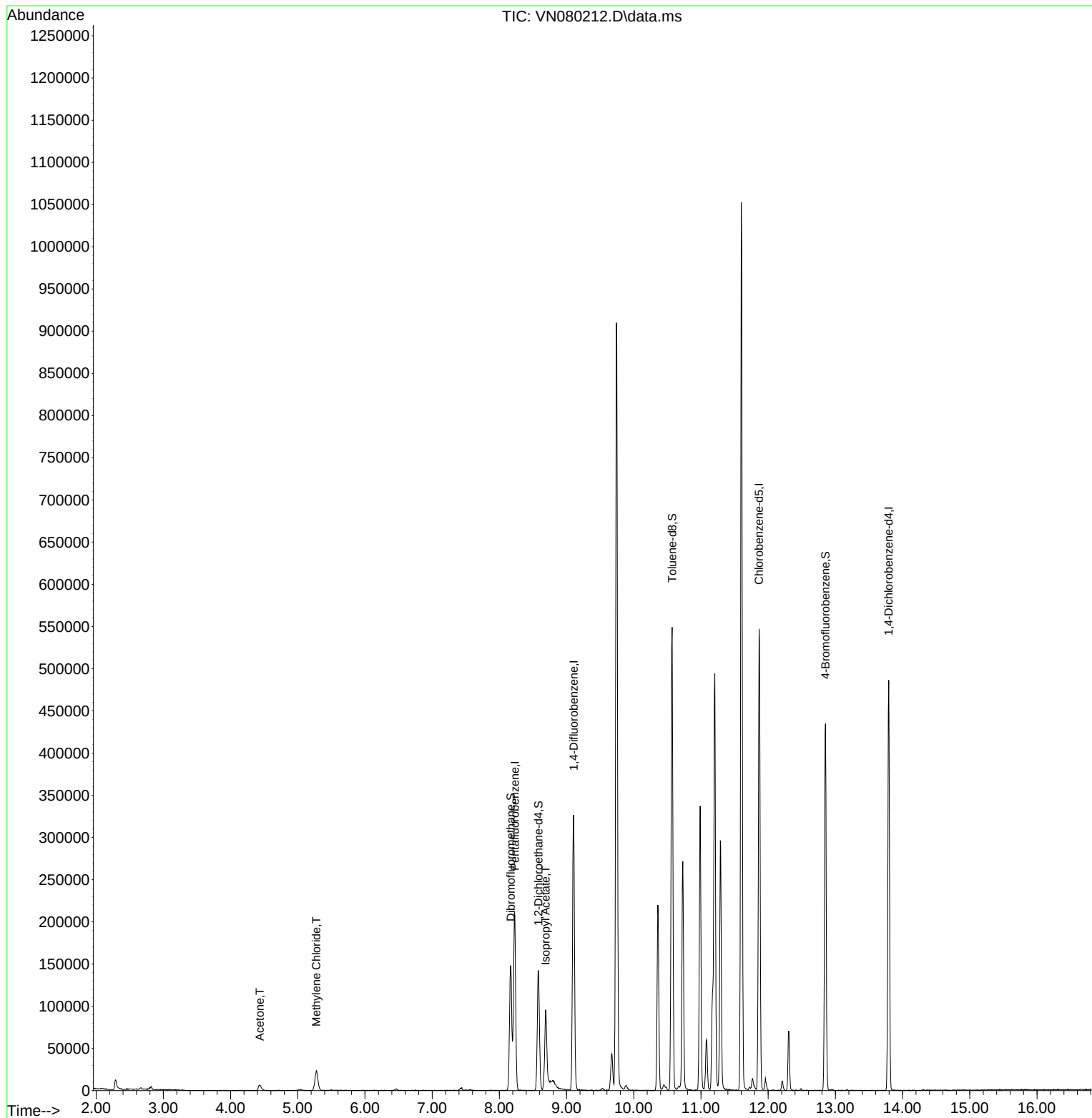
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 142293   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 268951   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117   | 304931   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 128299   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582     | 65    | 135503   | 57.674   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 115.340% |
| 35) Dibromofluoromethane    | 8.171     | 113   | 102151   | 51.474   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 102.940% |
| 50) Toluene-d8              | 10.571    | 98    | 377904   | 52.826   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 105.660% |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 147048   | 54.420   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 108.840% |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.436     | 43    | 13497    | 17.104   | ug/l # | 83       |
| 20) Methylene Chloride      | 5.277     | 84    | 19679    | 11.908   | ug/l   | 95       |
| 43) Isopropyl Acetate       | 8.688     | 43    | 109311   | 28.186   | ug/l # | 81       |
| -----                       |           |       |          |          |        |          |

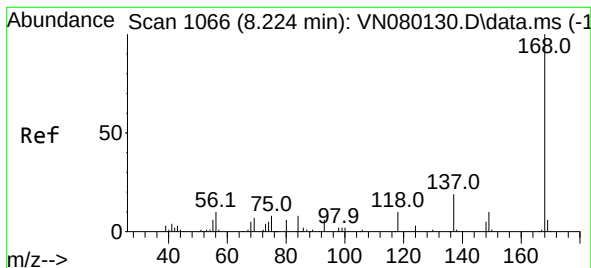
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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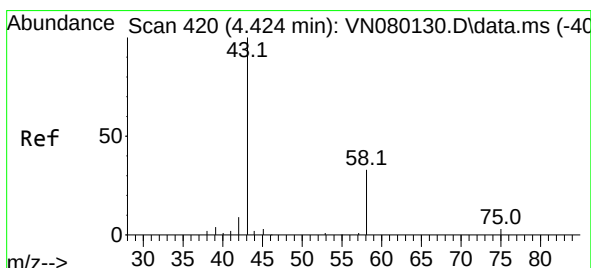
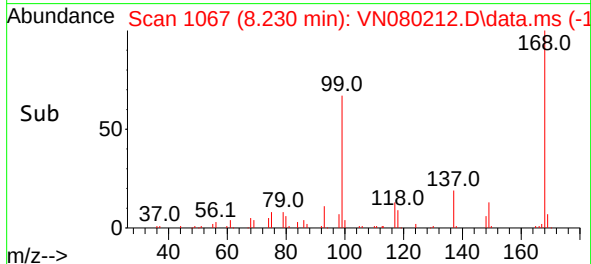
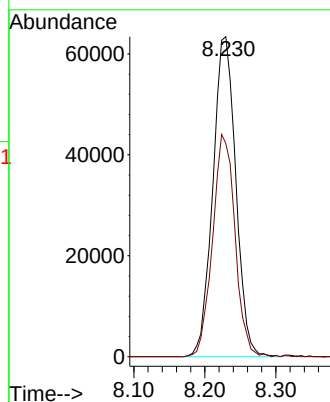
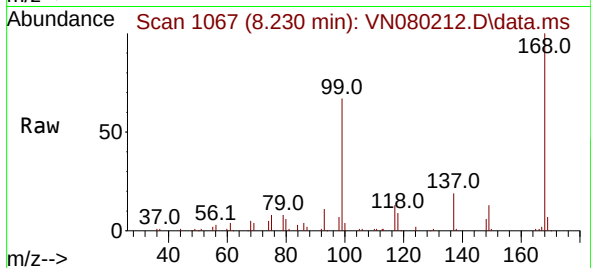




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN080212.D  
Acq: 20 Nov 2023 16:59

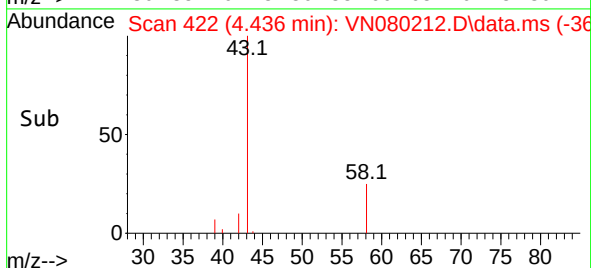
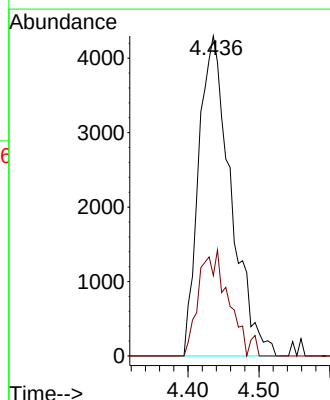
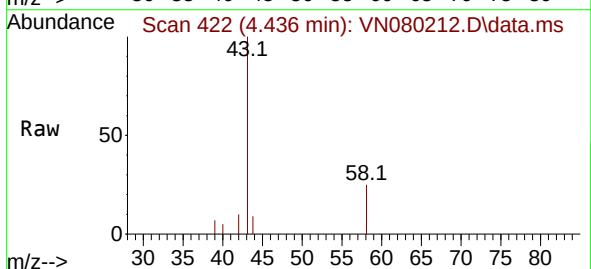
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB157250ZHE#06

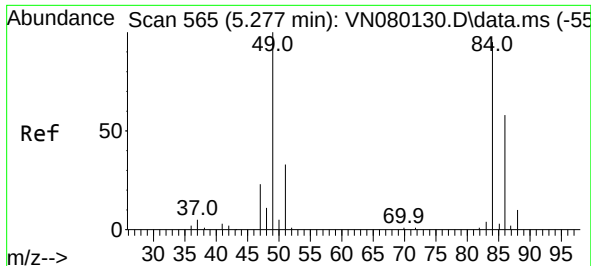
Tgt Ion:168 Resp: 142293  
Ion Ratio Lower Upper  
168 100  
99 66.7 53.0 79.6



#16  
Acetone  
Concen: 17.104 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN080212.D  
Acq: 20 Nov 2023 16:59

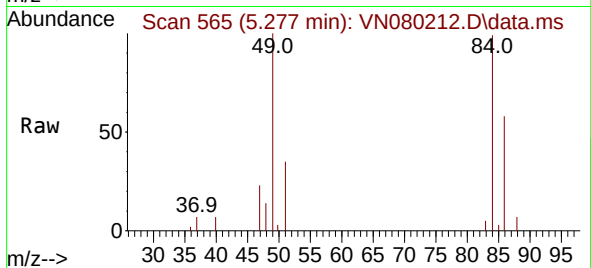
Tgt Ion: 43 Resp: 13497  
Ion Ratio Lower Upper  
43 100  
58 25.1 28.0 42.0#



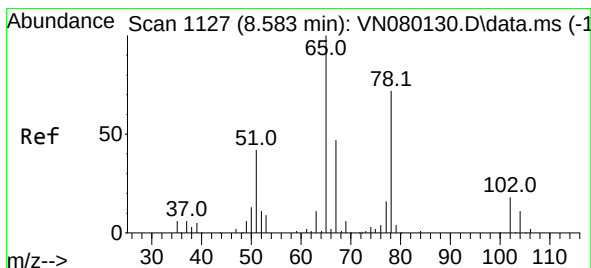
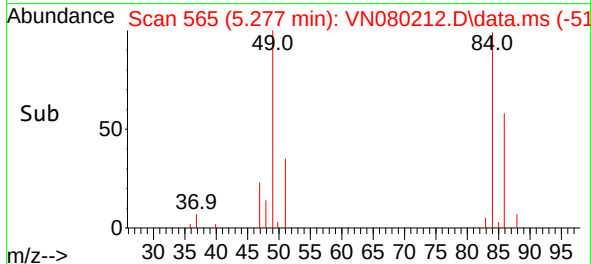
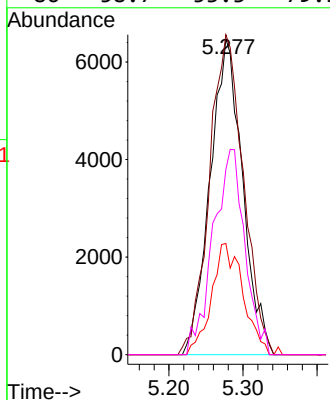


#20  
Methylene Chloride  
Concen: 11.908 ug/l  
RT: 5.277 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN080212.D  
Acq: 20 Nov 2023 16:59

Instrument :  
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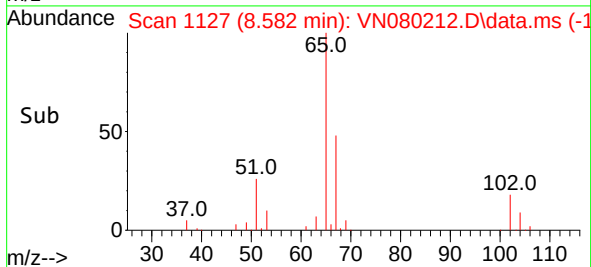
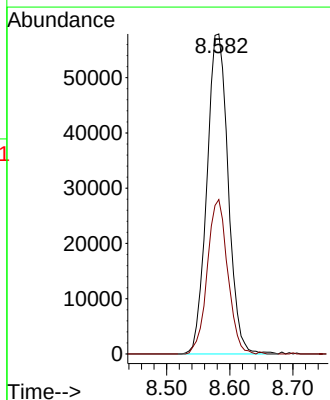
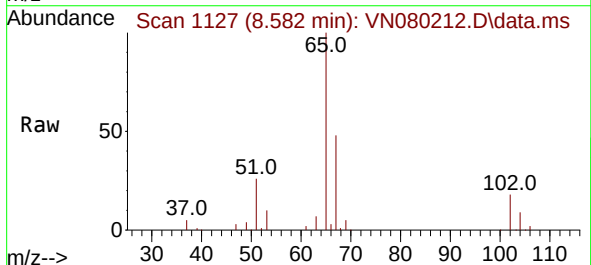


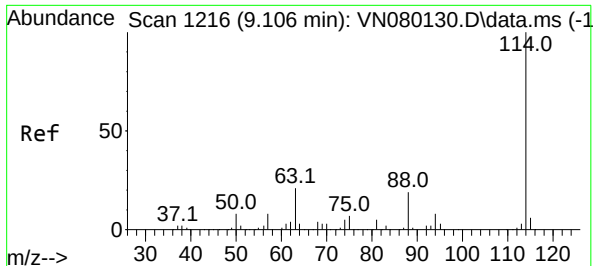
| Tgt Ion: | 84    | Resp: | 19679 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 101.4 | 79.7  | 119.5 |
| 51       | 35.2  | 25.2  | 37.8  |
| 86       | 58.7  | 53.3  | 79.9  |



#33  
1,2-Dichloroethane-d4  
Concen: 57.674 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN080212.D  
Acq: 20 Nov 2023 16:59

| Tgt Ion: | 65    | Resp: | 135503 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 46.3  | 0.0   | 106.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN080212.D

Acq: 20 Nov 2023 16:59

Instrument :

MSVOA\_N

ClientSampleId :

PB157250ZHE#06

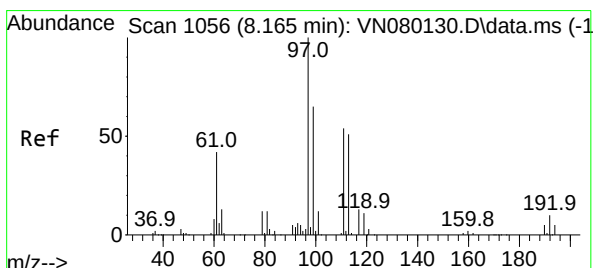
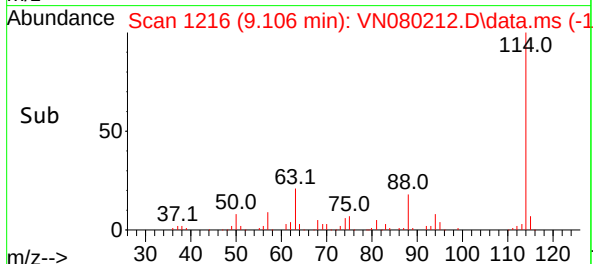
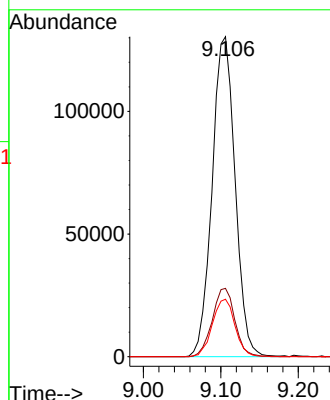
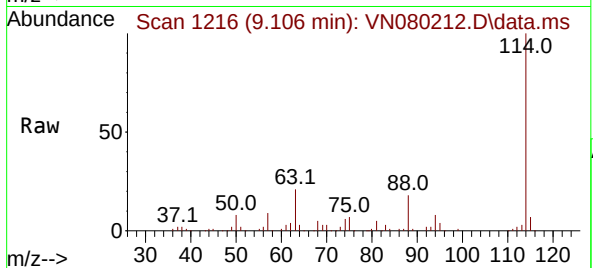
Tgt Ion:114 Resp: 268951

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 17.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.474 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080212.D

Acq: 20 Nov 2023 16:59

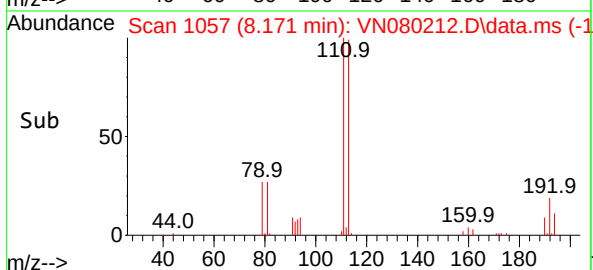
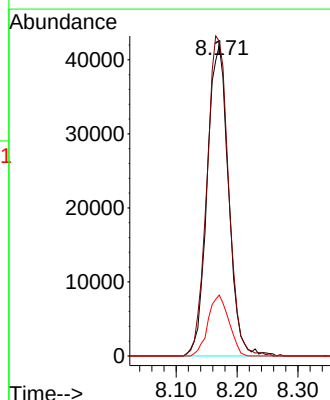
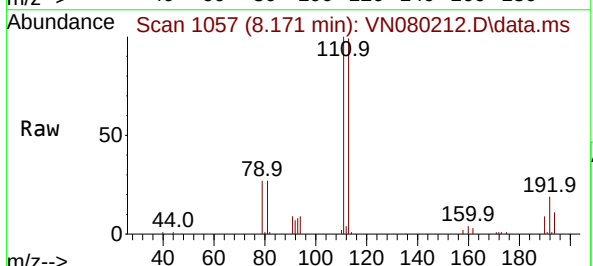
Tgt Ion:113 Resp: 102151

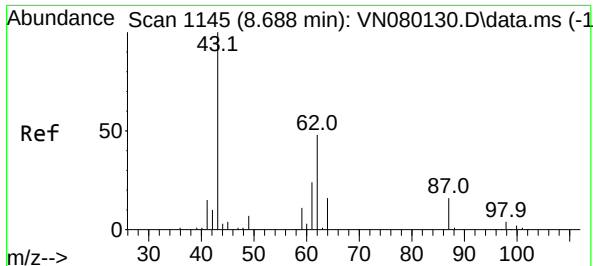
Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

192 19.0 12.7 19.1

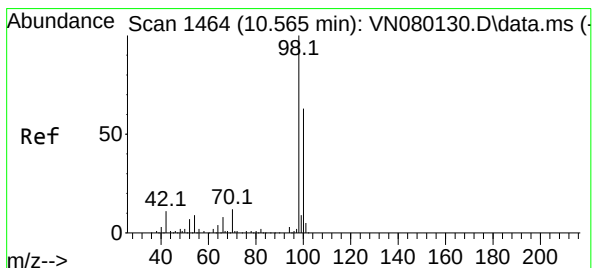
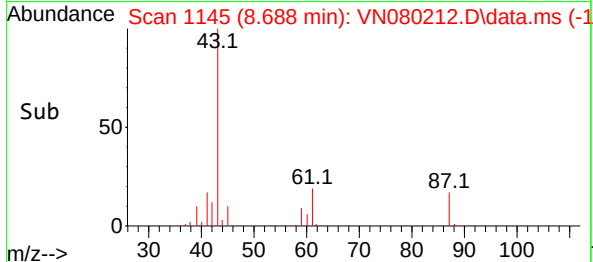
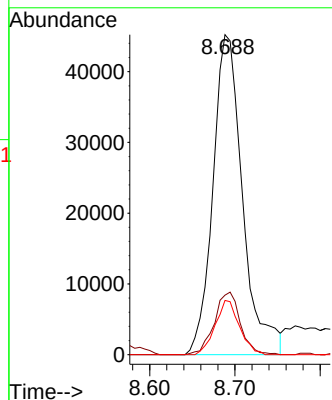
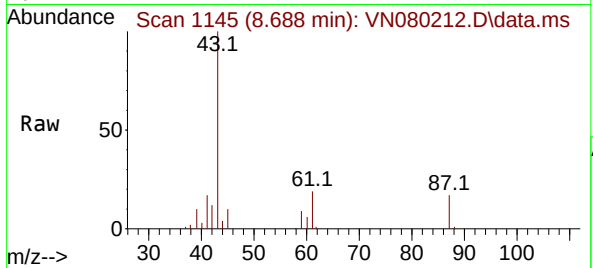




#43  
Isopropyl Acetate  
Concen: 28.186 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VN080212.D  
Acq: 20 Nov 2023 16:59

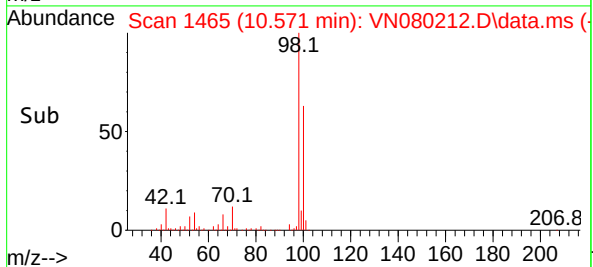
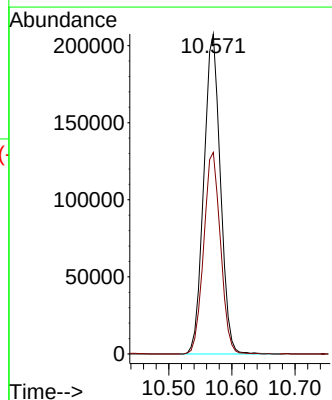
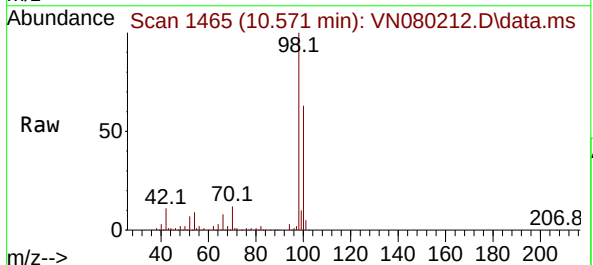
Instrument :  
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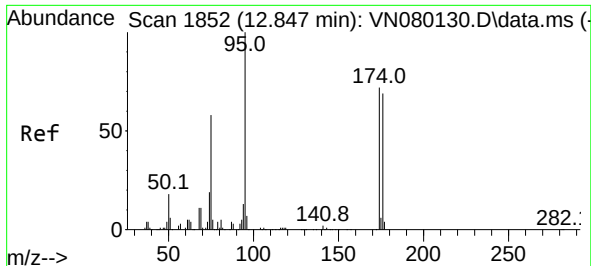
Tgt Ion: 43 Resp: 109311  
Ion Ratio Lower Upper  
43 100  
61 17.1 24.7 37.1#  
87 13.9 14.6 21.8#



#50  
Toluene-d8  
Concen: 52.826 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN080212.D  
Acq: 20 Nov 2023 16:59

Tgt Ion: 98 Resp: 377904  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.0 78.0

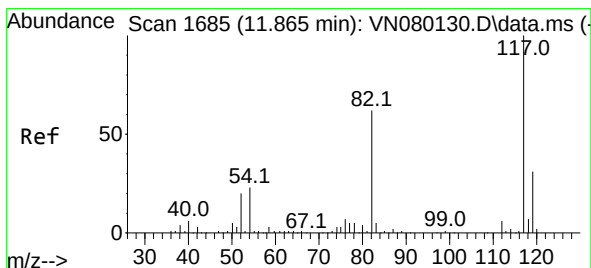
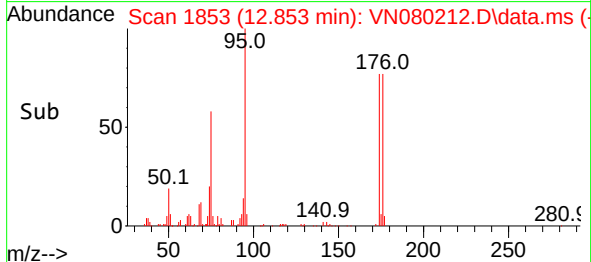
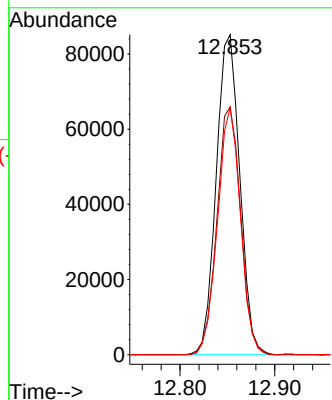
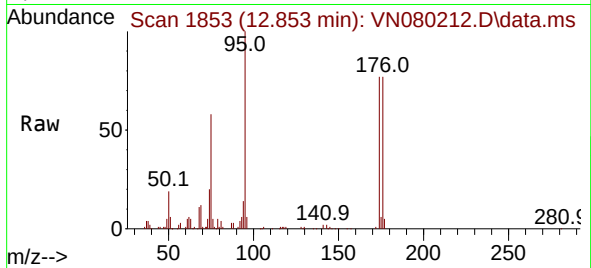




#62  
4-Bromofluorobenzene  
Concen: 54.420 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080212.D  
Acq: 20 Nov 2023 16:59

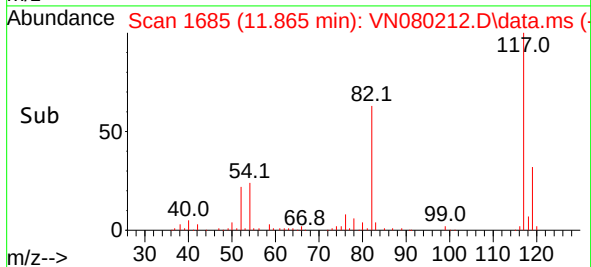
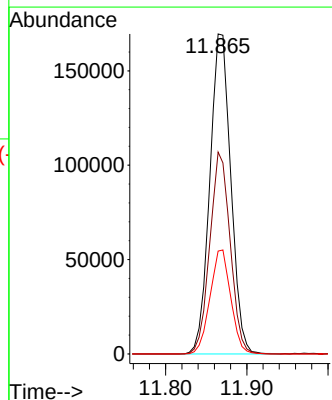
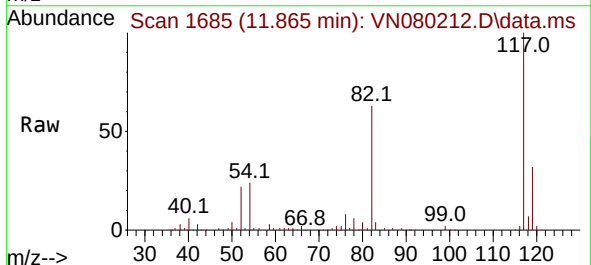
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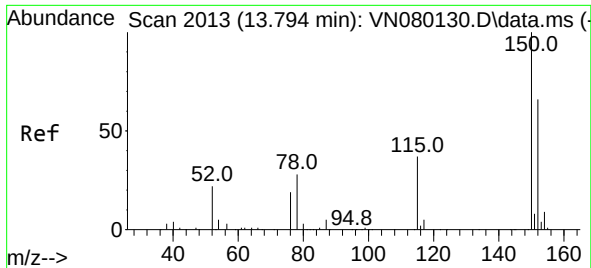
Tgt Ion: 95 Resp: 147048  
Ion Ratio Lower Upper  
95 100  
174 78.1 0.0 143.8  
176 74.9 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN080212.D  
Acq: 20 Nov 2023 16:59

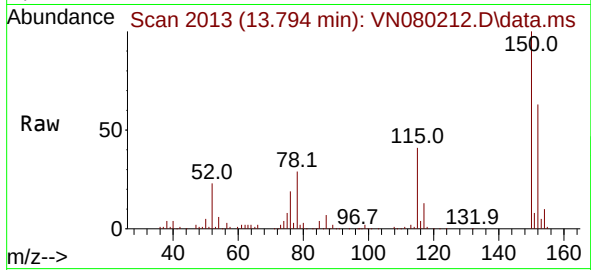
Tgt Ion: 117 Resp: 304931  
Ion Ratio Lower Upper  
117 100  
82 63.1 44.0 66.0  
119 32.1 25.6 38.4





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VN080212.D  
Acq: 20 Nov 2023 16:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 65.3  | 32.3  | 96.8  |
| 150     | 157.2 | 0.0   | 355.8 |

