

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061223\  
 Data File : VN078163.D  
 Acq On : 12 Jun 2023 13:53  
 Operator : JC\MD  
 Sample : PB153331TB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB153331TB

Quant Time: Jun 13 01:31:54 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

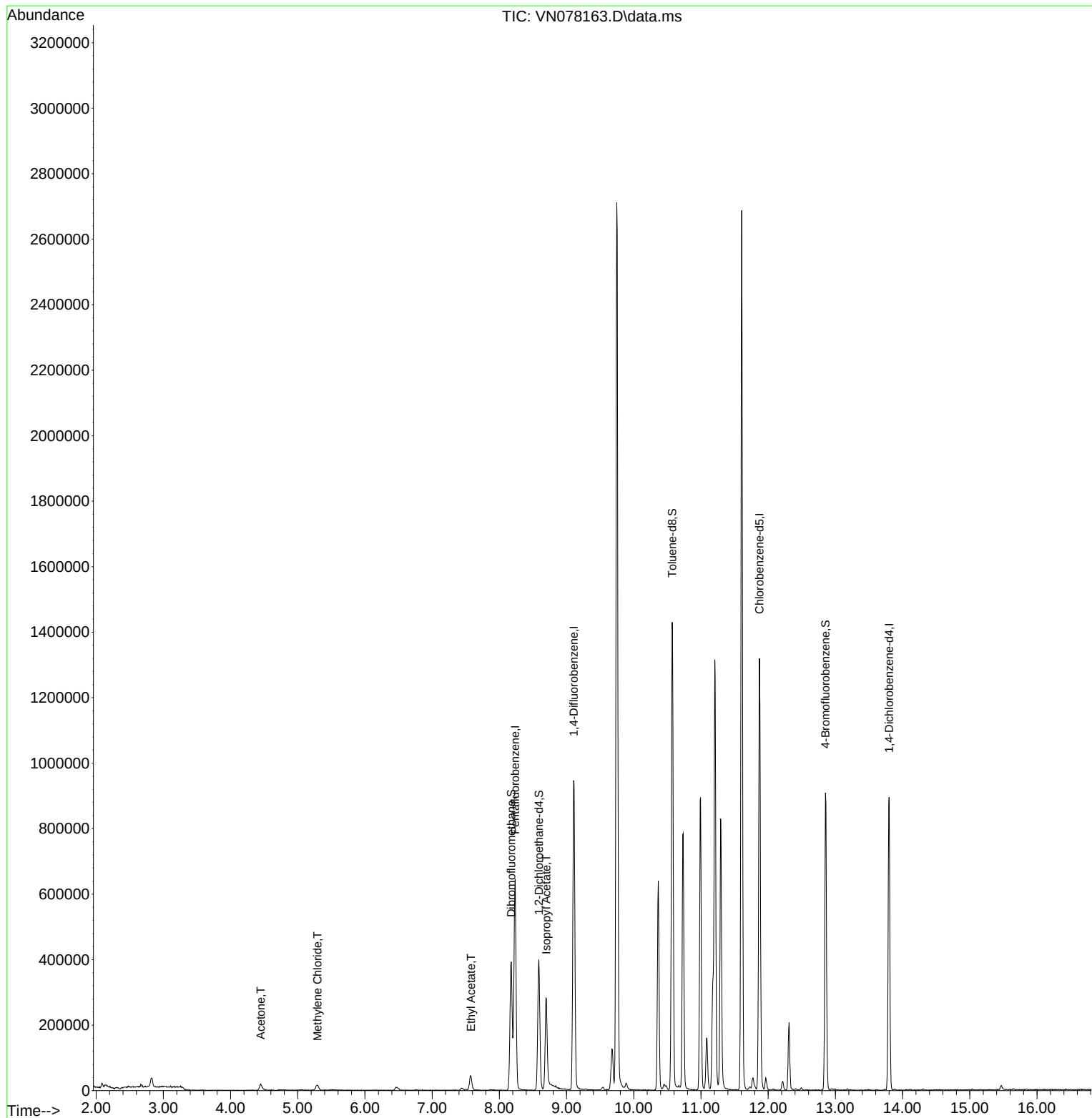
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.235  | 168   | 454543   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 854453   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 776794   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800 | 152   | 245643   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 323397   | 53.362   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 106.720% |          |
| 35) Dibromofluoromethane    | 8.177  | 113   | 279926   | 51.813   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 103.620% |          |
| 50) Toluene-d8              | 10.571 | 98    | 1038795  | 49.876   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 99.760%  |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 324746   | 50.156   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 100.320% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.447  | 43    | 34357    | 19.695   | ug/l       | 89       |
| 20) Methylene Chloride      | 5.294  | 84    | 11927    | 2.069    | ug/l       | 85       |
| 37) Ethyl Acetate           | 7.577  | 43    | 66117    | 10.922   | ug/l       | 95       |
| 43) Isopropyl Acetate       | 8.700  | 43    | 318244   | 27.488   | ug/l #     | 83       |
| -----                       |        |       |          |          |            |          |

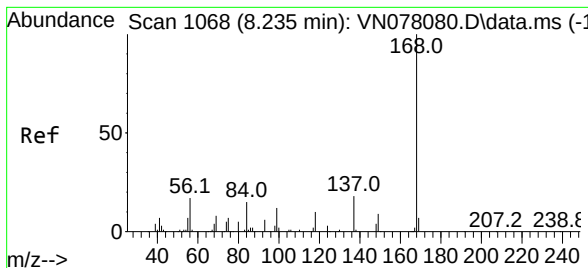
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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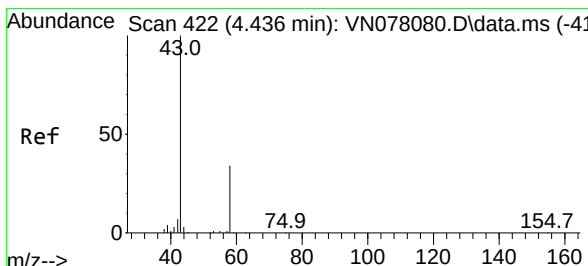
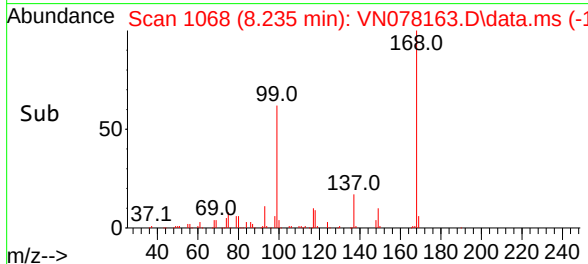
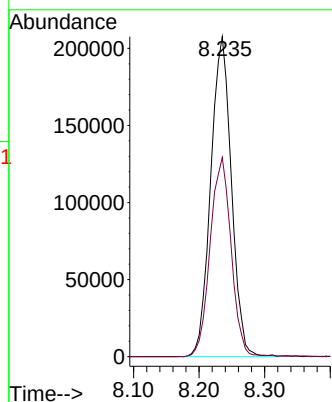
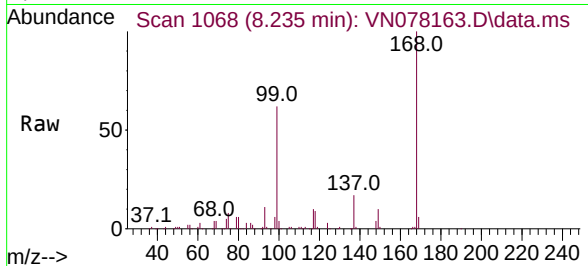




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VN078163.D  
Acq: 12 Jun 2023 13:53

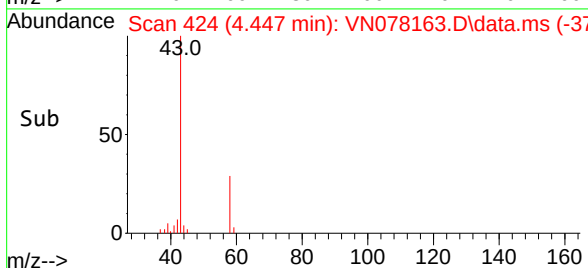
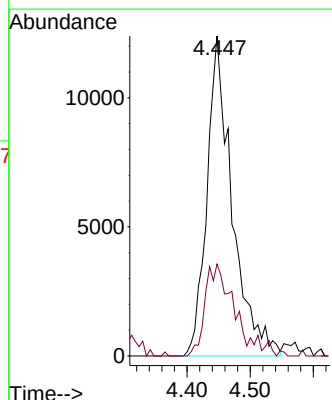
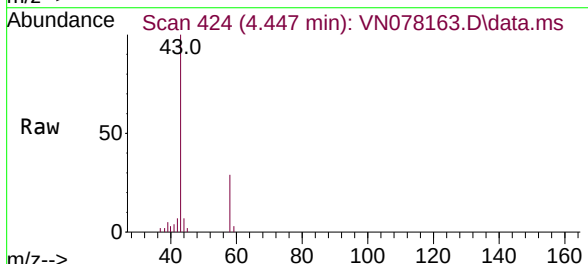
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB153331TB

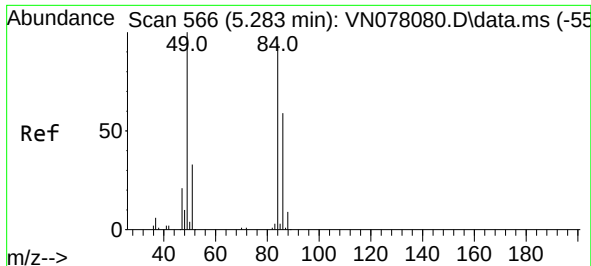
Tgt Ion:168 Resp: 454543  
Ion Ratio Lower Upper  
168 100  
99 62.2 53.0 79.6



#16  
Acetone  
Concen: 19.695 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.012 min  
Lab File: VN078163.D  
Acq: 12 Jun 2023 13:53

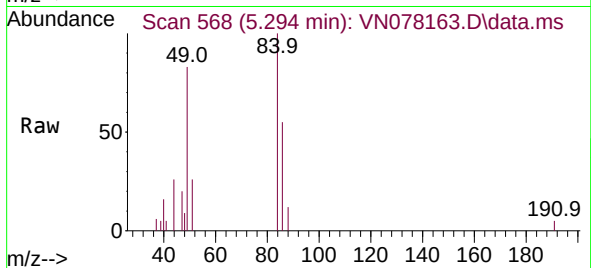
Tgt Ion: 43 Resp: 34357  
Ion Ratio Lower Upper  
43 100  
58 28.7 28.0 42.0



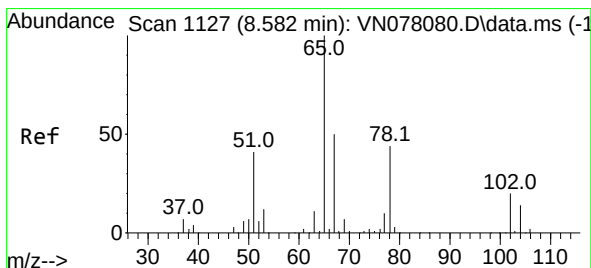
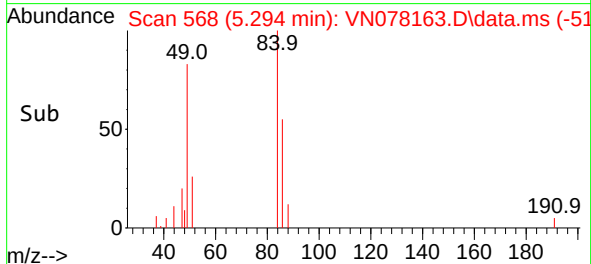
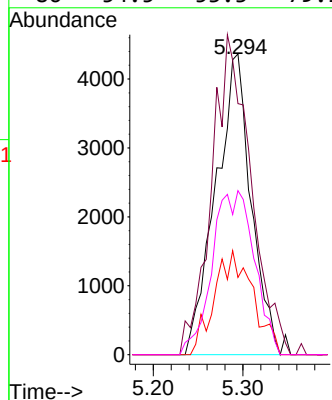


#20  
Methylene Chloride  
Concen: 2.069 ug/l  
RT: 5.294 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN078163.D  
Acq: 12 Jun 2023 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB153331TB

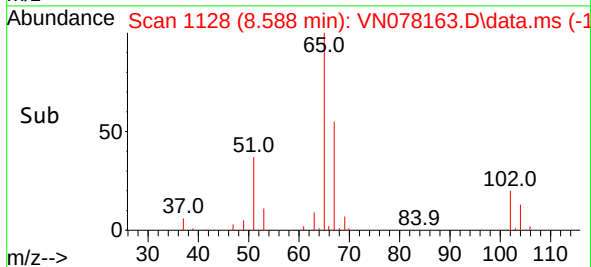
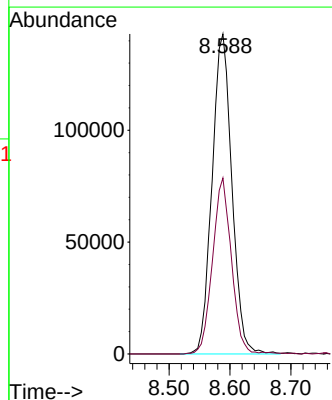
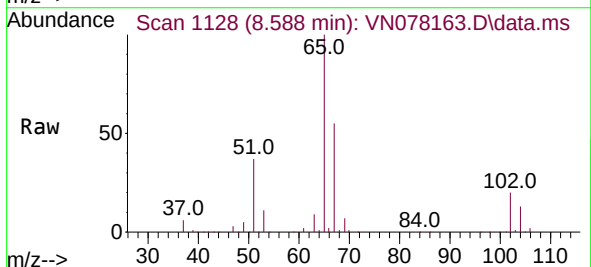


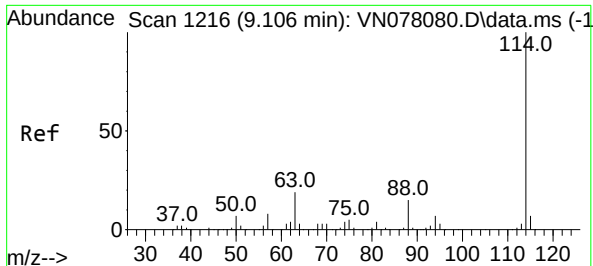
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 11927 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 83.5     | 79.7 119.5  |
| 51 25.7     | 25.2 37.8   |
| 86 54.5     | 53.3 79.9   |



#33  
1,2-Dichloroethane-d4  
Concen: 53.362 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VN078163.D  
Acq: 12 Jun 2023 13:53

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 323397 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 52.0     | 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: VN078163.D

Acq: 12 Jun 2023 13:53

Instrument :

MSVOA\_N

ClientSampleId :

PB153331TB

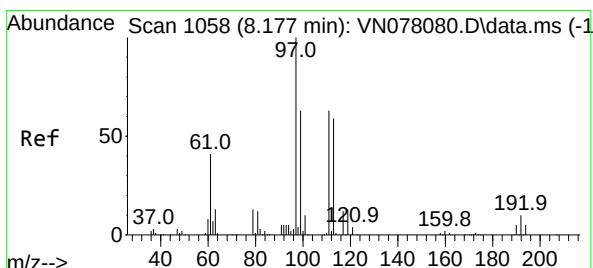
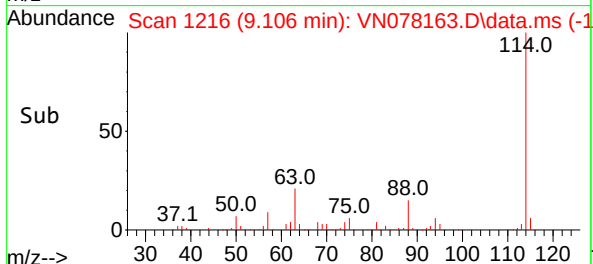
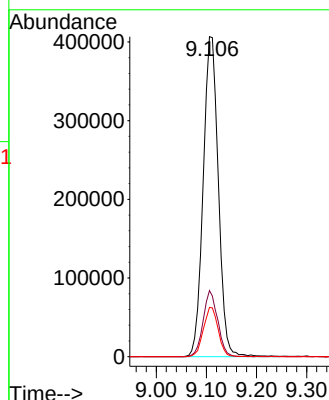
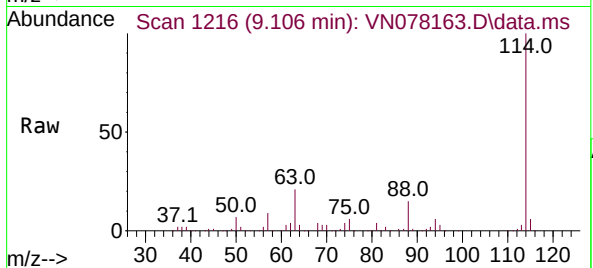
Tgt Ion:114 Resp: 854453

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.813 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078163.D

Acq: 12 Jun 2023 13:53

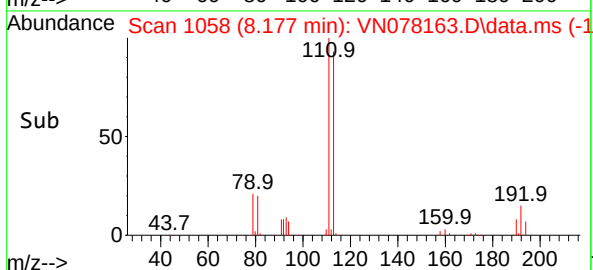
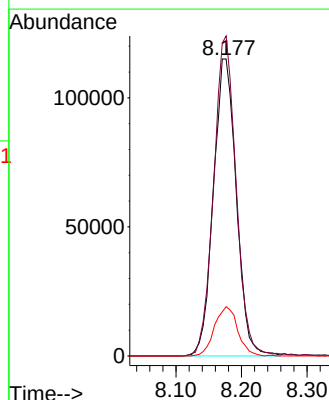
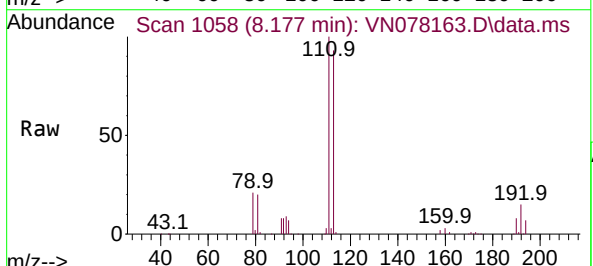
Tgt Ion:113 Resp: 279926

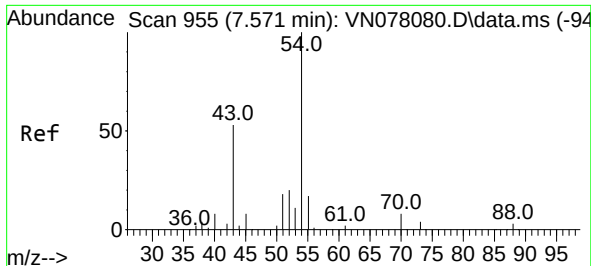
Ion Ratio Lower Upper

113 100

111 105.3 82.6 123.8

192 16.7 12.7 19.1

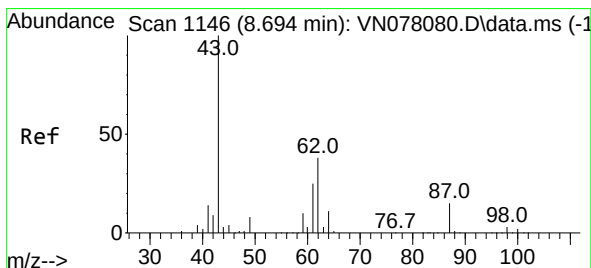
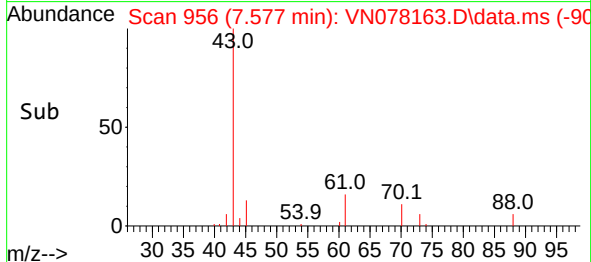
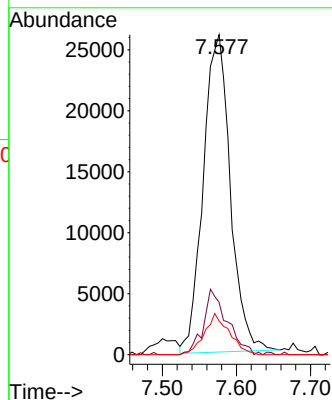
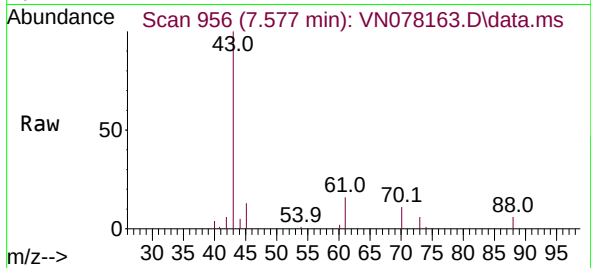




#37  
Ethyl Acetate  
Concen: 10.922 ug/l  
RT: 7.577 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN078163.D  
Acq: 12 Jun 2023 13:53

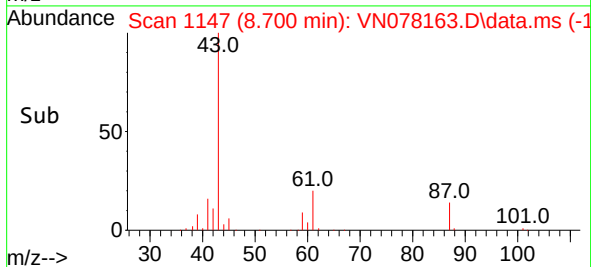
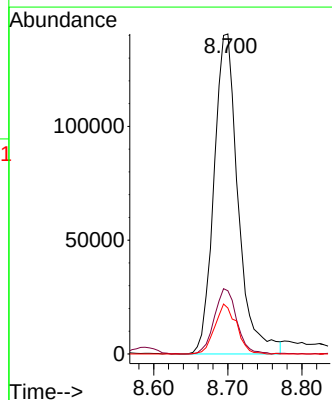
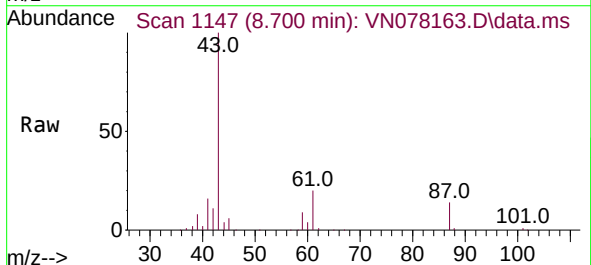
Instrument :  
MSVOA\_N  
ClientSampleId :  
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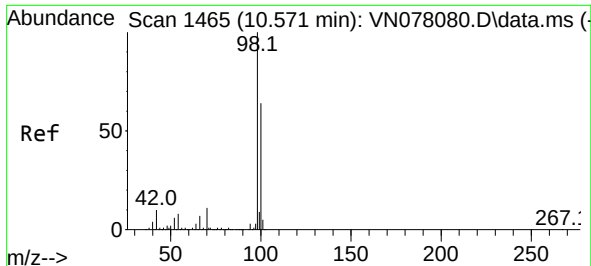
Tgt Ion: 43 Resp: 66117  
Ion Ratio Lower Upper  
43 100  
61 18.1 13.2 19.8  
70 11.9 11.3 16.9



#43  
Isopropyl Acetate  
Concen: 27.488 ug/l  
RT: 8.700 min Scan# 1147  
Delta R.T. 0.006 min  
Lab File: VN078163.D  
Acq: 12 Jun 2023 13:53

Tgt Ion: 43 Resp: 318244  
Ion Ratio Lower Upper  
43 100  
61 18.9 24.7 37.1#  
87 14.0 14.6 21.8#

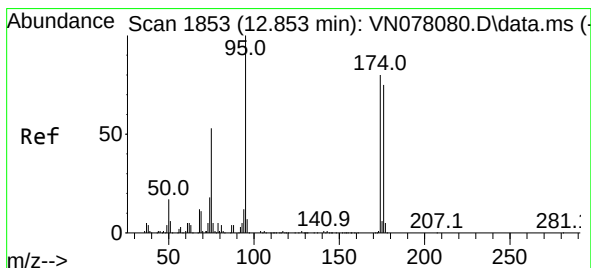
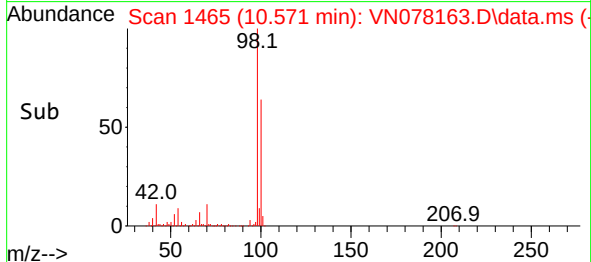
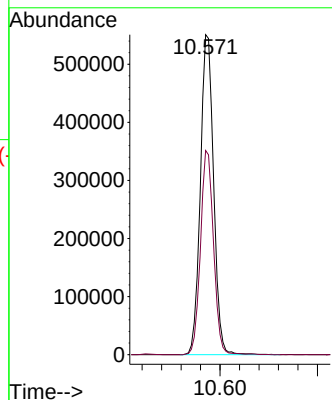
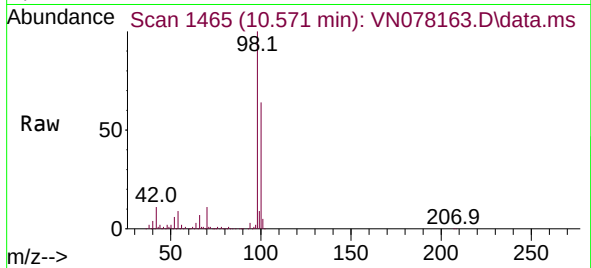




#50  
Toluene-d8  
Concen: 49.876 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN078163.D  
Acq: 12 Jun 2023 13:53

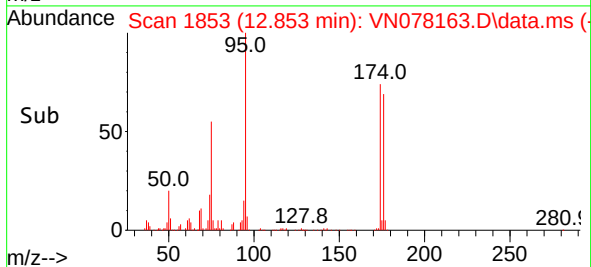
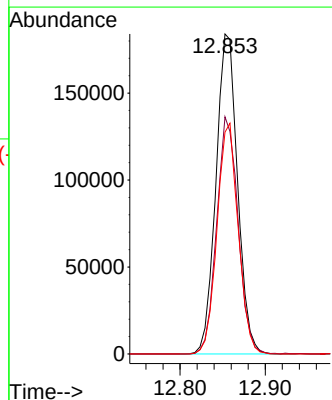
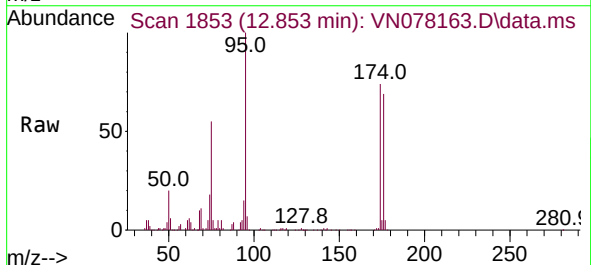
Instrument :  
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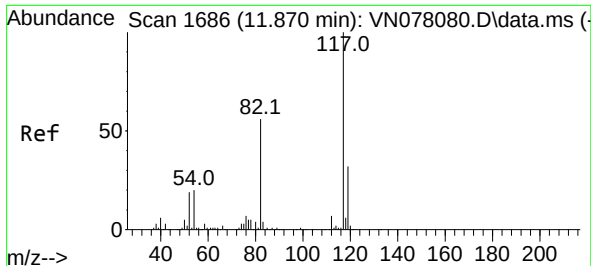
Tgt Ion: 98 Resp: 1038795  
Ion Ratio Lower Upper  
98 100  
100 62.9 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 50.156 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078163.D  
Acq: 12 Jun 2023 13:53

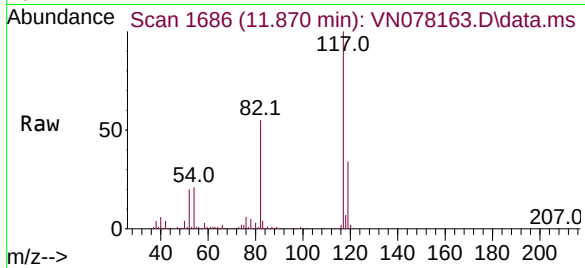
Tgt Ion: 95 Resp: 324746  
Ion Ratio Lower Upper  
95 100  
174 73.4 0.0 143.8  
176 70.5 0.0 135.8



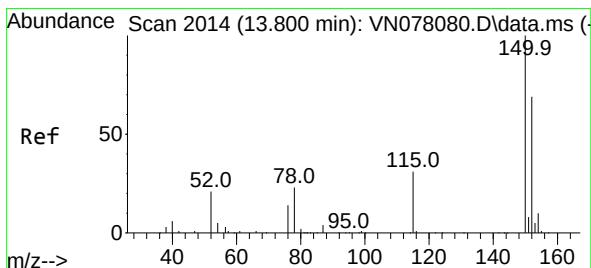
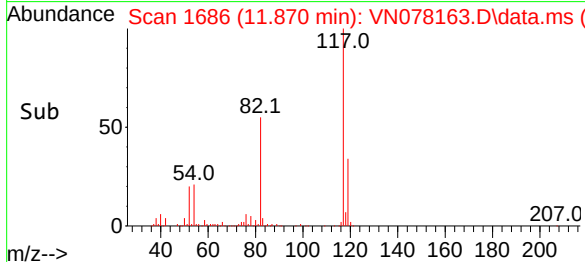
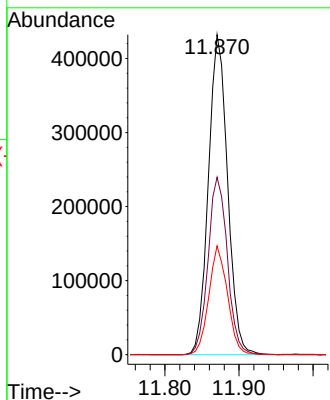


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN078163.D  
Acq: 12 Jun 2023 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB153331TB



Tgt Ion:117 Resp: 776794  
Ion Ratio Lower Upper  
117 100  
82 55.4 44.0 66.0  
119 34.0 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: VN078163.D  
Acq: 12 Jun 2023 13:53

Tgt Ion:152 Resp: 245643  
Ion Ratio Lower Upper  
152 100  
115 61.6 32.3 96.8  
150 157.7 0.0 355.8

