

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060823\  
 Data File : VN078124.D  
 Acq On : 08 Jun 2023 13:00  
 Operator : JC\MD  
 Sample : 03092-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-1

Quant Time: Jun 09 01:25:32 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

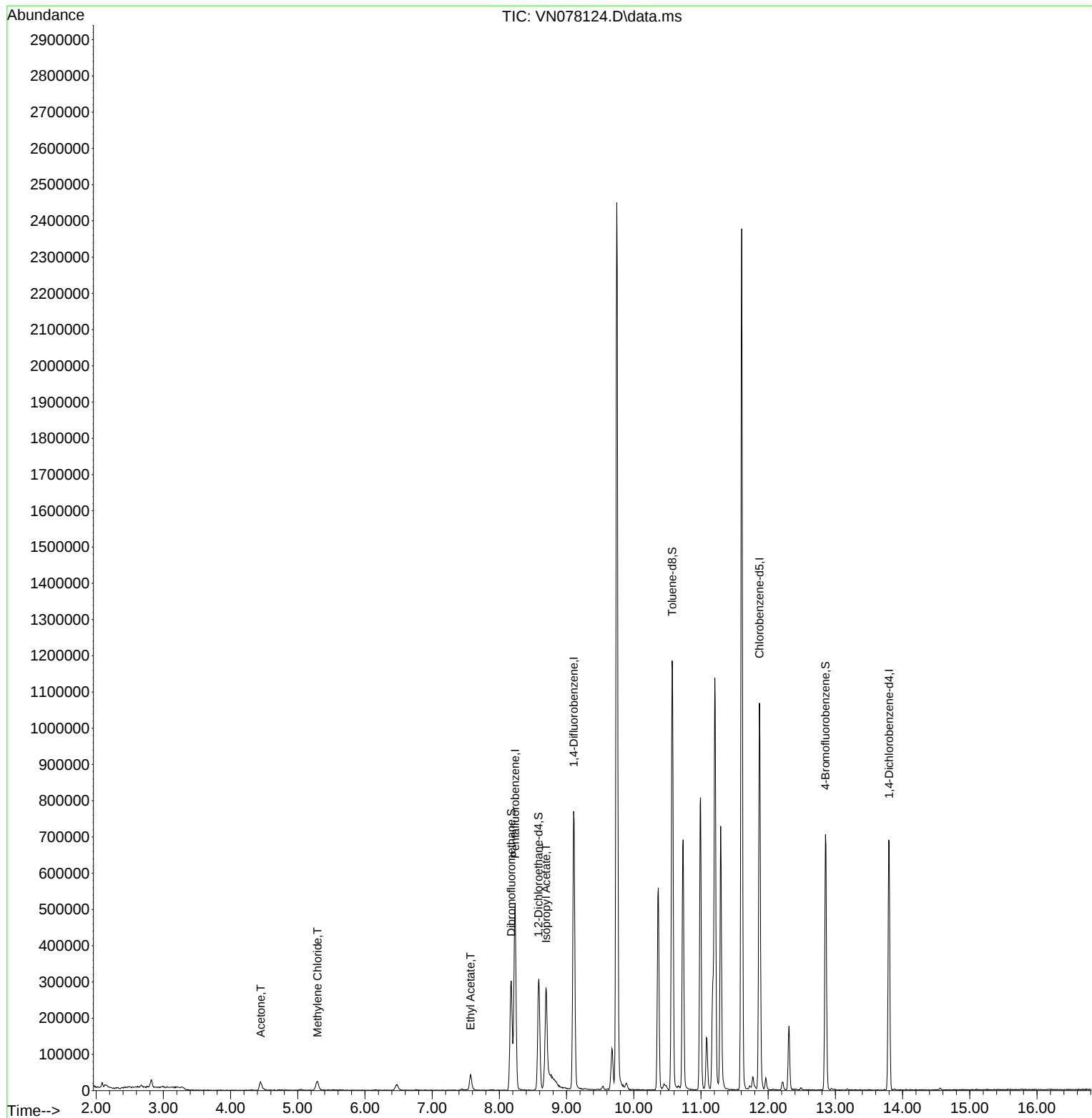
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.235     | 168   | 366100   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 684591   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117   | 636530   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800    | 152   | 191639   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582     | 65    | 258739   | 53.007   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 106.020% |
| 35) Dibromofluoromethane    | 8.177     | 113   | 223862   | 51.717   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 103.440% |
| 50) Toluene-d8              | 10.571    | 98    | 873937   | 52.372   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 104.740% |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 251613   | 48.503   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 97.000%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.447     | 43    | 41957    | 29.863   | ug/l   | 97       |
| 20) Methylene Chloride      | 5.294     | 84    | 19320    | 4.161    | ug/l   | 92       |
| 37) Ethyl Acetate           | 7.571     | 43    | 59418    | 12.250   | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.694     | 43    | 341627   | 36.829   | ug/l # | 78       |
| -----                       |           |       |          |          |        |          |

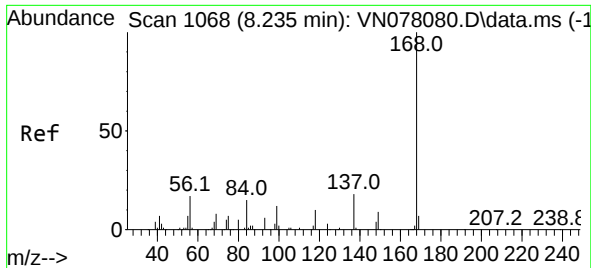
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060823\  
Data File : VN078124.D  
Acq On : 08 Jun 2023 13:00  
Operator : JC\MD  
Sample : 03092-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-1

Quant Time: Jun 09 01:25:32 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

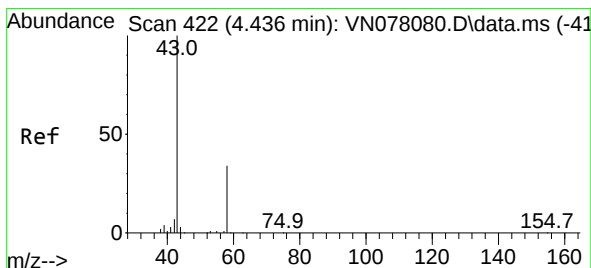
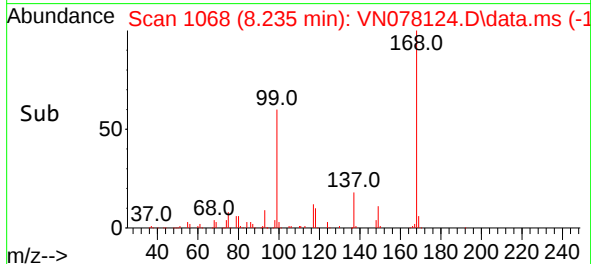
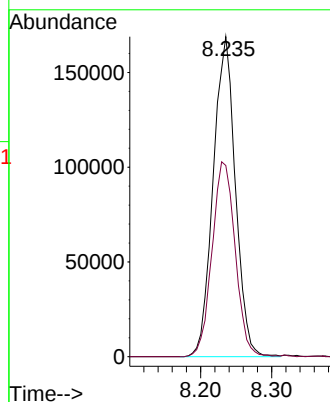
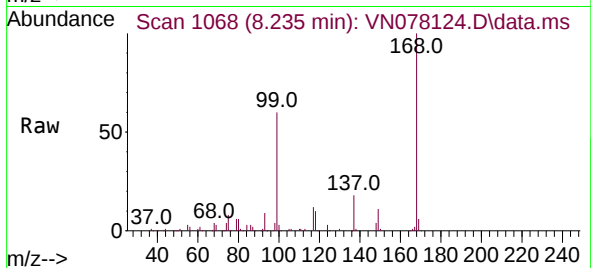




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VN078124.D  
Acq: 08 Jun 2023 13:00

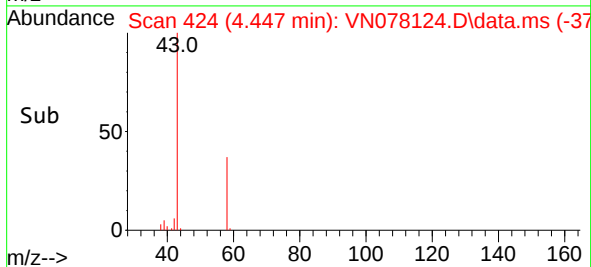
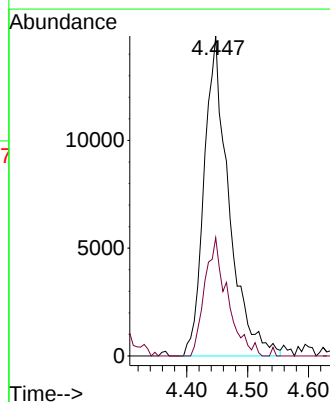
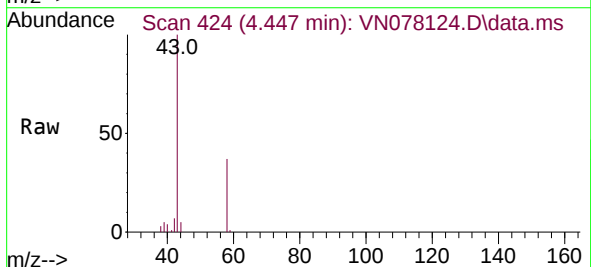
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-1

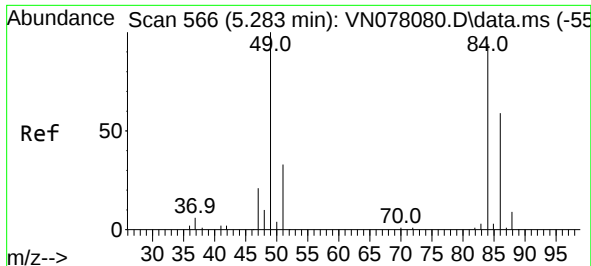
Tgt Ion:168 Resp: 366100  
Ion Ratio Lower Upper  
168 100  
99 59.7 53.0 79.6



#16  
Acetone  
Concen: 29.863 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.012 min  
Lab File: VN078124.D  
Acq: 08 Jun 2023 13:00

Tgt Ion: 43 Resp: 41957  
Ion Ratio Lower Upper  
43 100  
58 36.9 28.0 42.0

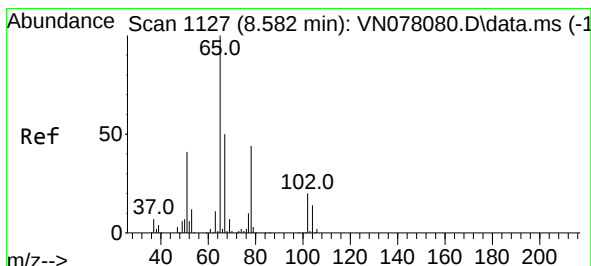
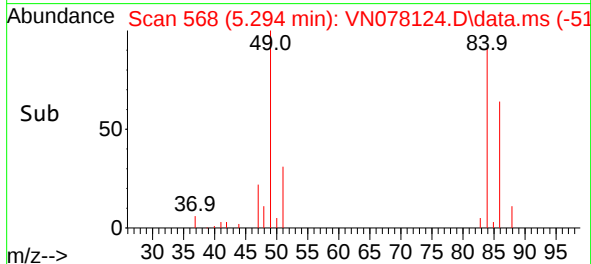
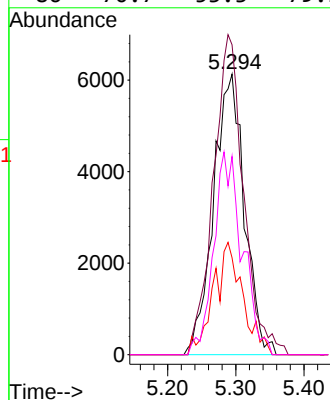
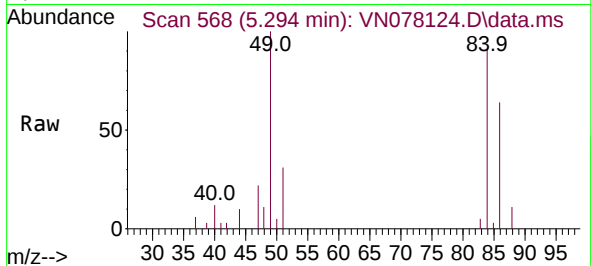




#20  
Methylene Chloride  
Concen: 4.161 ug/l  
RT: 5.294 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN078124.D  
Acq: 08 Jun 2023 13:00

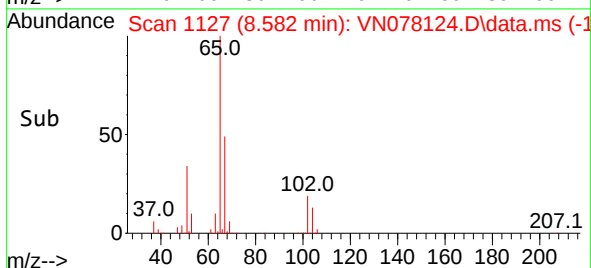
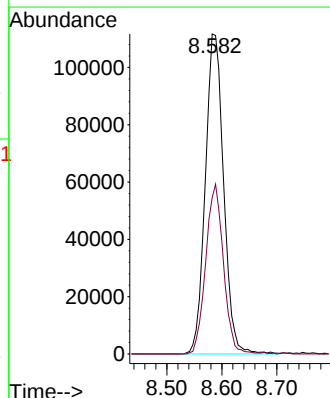
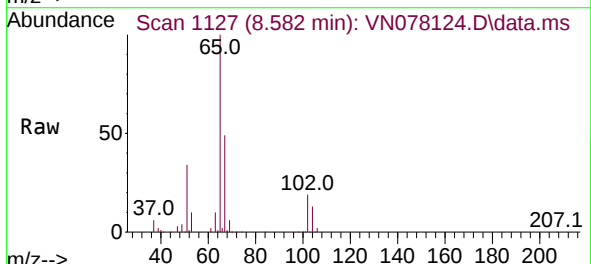
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-1

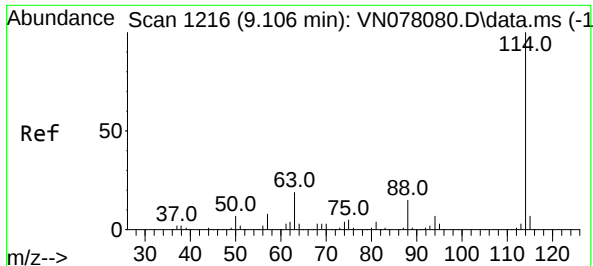
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 19320 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 110.5    | 79.7 119.5  |
| 51 34.5     | 25.2 37.8   |
| 86 70.7     | 53.3 79.9   |



#33  
1,2-Dichloroethane-d4  
Concen: 53.007 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN078124.D  
Acq: 08 Jun 2023 13:00

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 258739 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 51.1     | 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: VN078124.D

Acq: 08 Jun 2023 13:00

Instrument :

MSVOA\_N

ClientSampleId :

TP-1

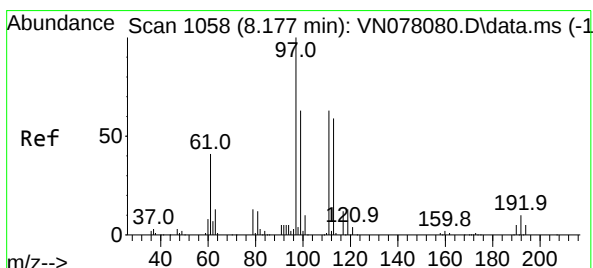
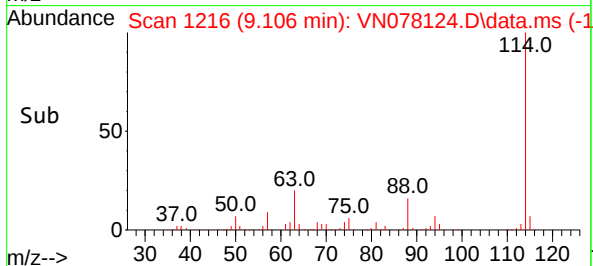
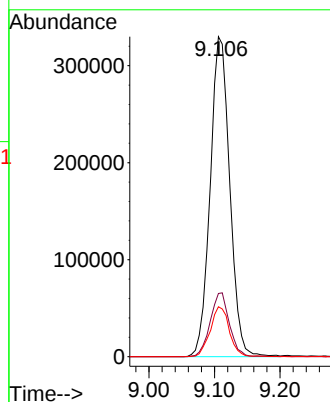
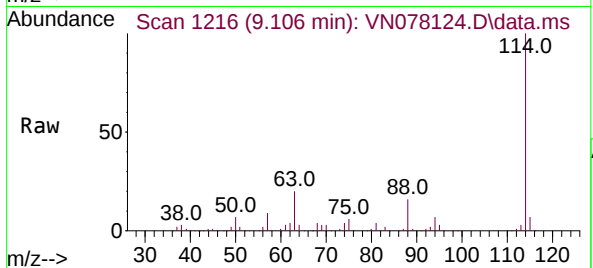
Tgt Ion:114 Resp: 684591

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.717 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078124.D

Acq: 08 Jun 2023 13:00

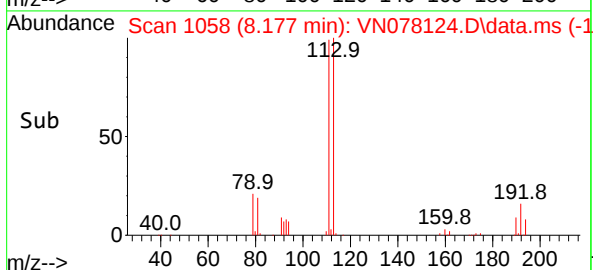
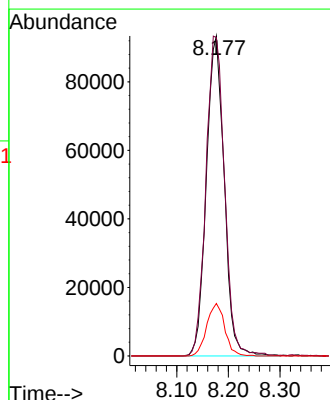
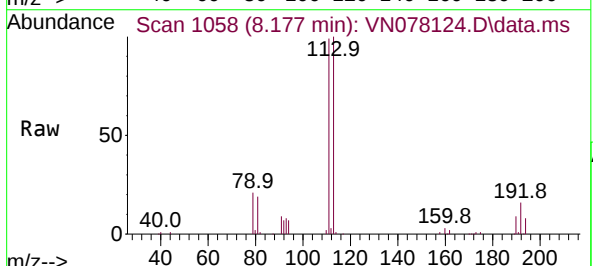
Tgt Ion:113 Resp: 223862

Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

192 16.6 12.7 19.1

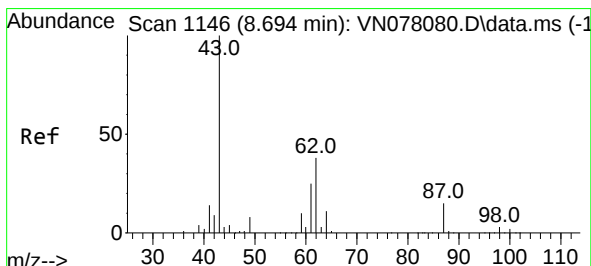
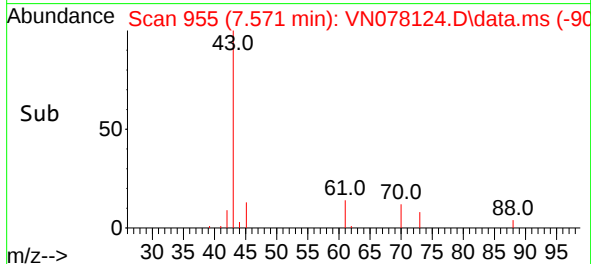
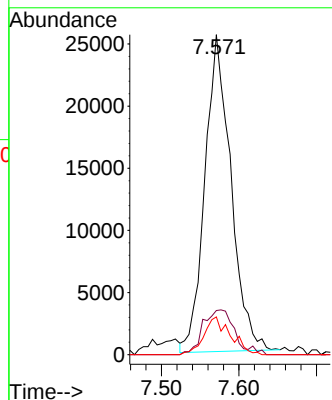
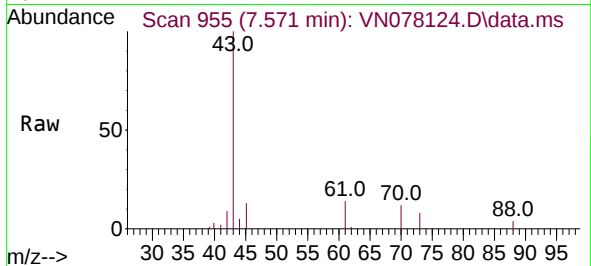




#37  
Ethyl Acetate  
Concen: 12.250 ug/l  
RT: 7.571 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: VN078124.D  
Acq: 08 Jun 2023 13:00

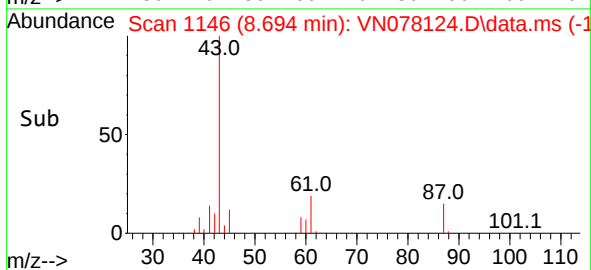
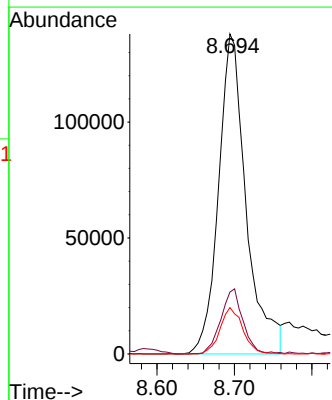
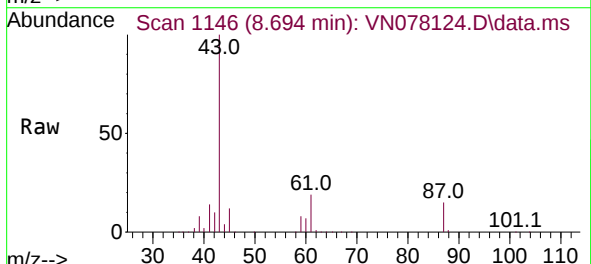
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-1

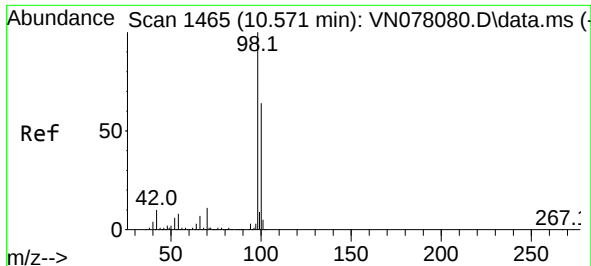
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 59418 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 17.3  | 13.2  | 19.8  |
| 70       | 12.2  | 11.3  | 16.9  |



#43  
Isopropyl Acetate  
Concen: 36.829 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN078124.D  
Acq: 08 Jun 2023 13:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 341627 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 16.5  | 24.7  | 37.1#  |
| 87       | 12.0  | 14.6  | 21.8#  |

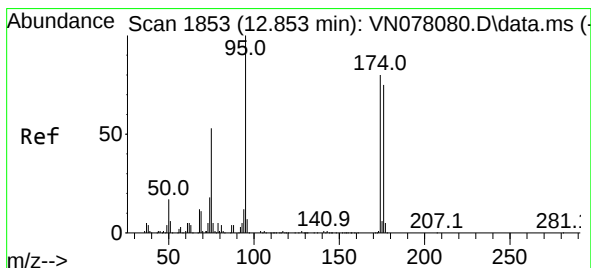
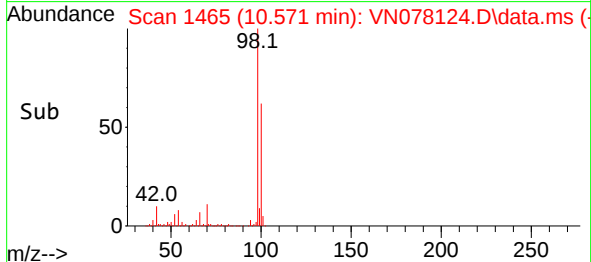
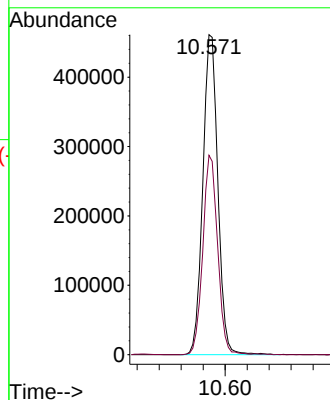
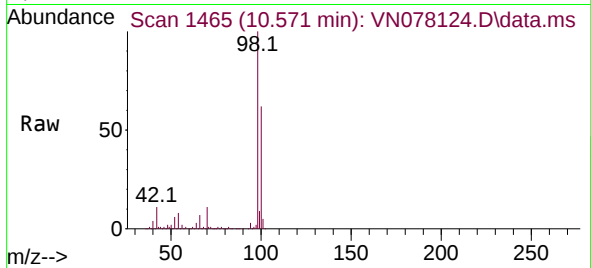




#50  
Toluene-d8  
Concen: 52.372 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN078124.D  
Acq: 08 Jun 2023 13:00

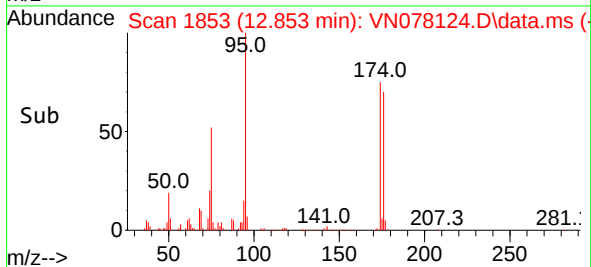
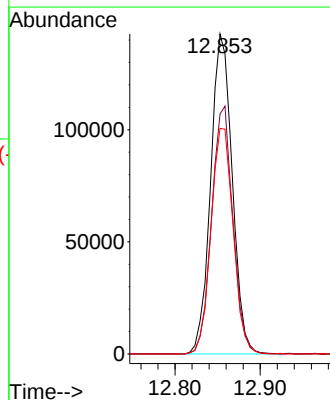
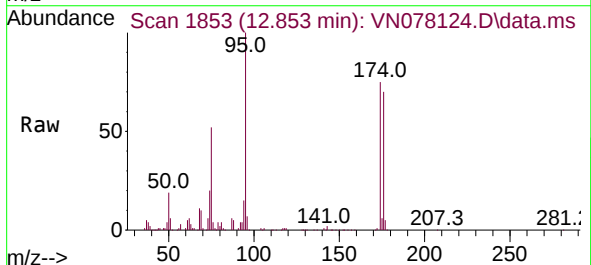
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-1

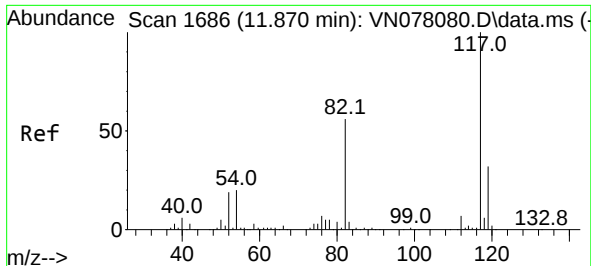
Tgt Ion: 98 Resp: 873937  
Ion Ratio Lower Upper  
98 100  
100 61.4 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 48.503 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN078124.D  
Acq: 08 Jun 2023 13:00

Tgt Ion: 95 Resp: 251613  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 143.8  
176 72.3 0.0 135.8

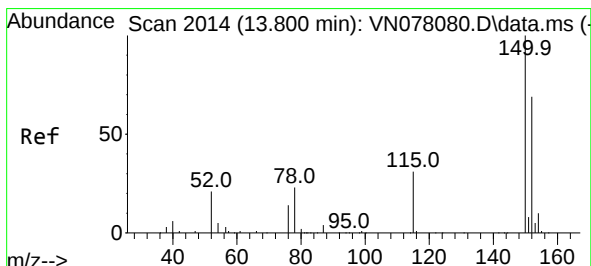
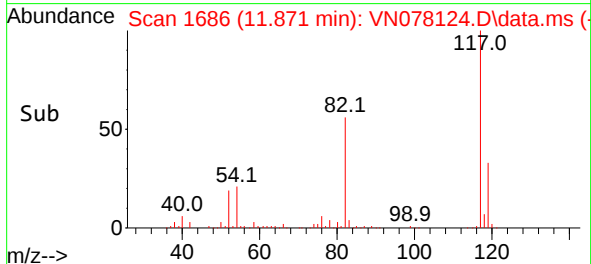
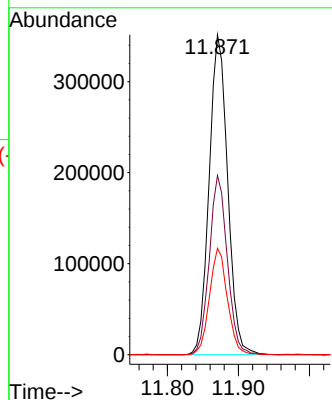
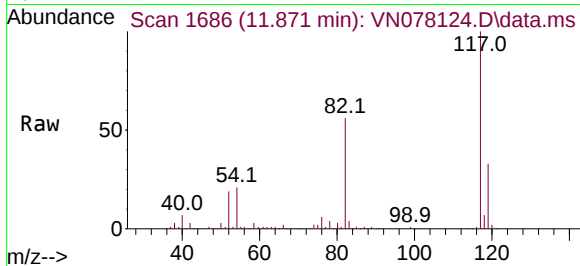




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN078124.D  
Acq: 08 Jun 2023 13:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-1

Tgt Ion:117 Resp: 636530  
Ion Ratio Lower Upper  
117 100  
82 56.0 44.0 66.0  
119 33.2 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: VN078124.D  
Acq: 08 Jun 2023 13:00

Tgt Ion:152 Resp: 191639  
Ion Ratio Lower Upper  
152 100  
115 64.0 32.3 96.8  
150 157.7 0.0 355.8

