

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072523\  
 Data File : VN078647.D  
 Acq On : 25 Jul 2023 15:12  
 Operator : JC\MD  
 Sample : 03717-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-2

Quant Time: Jul 26 04:47:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

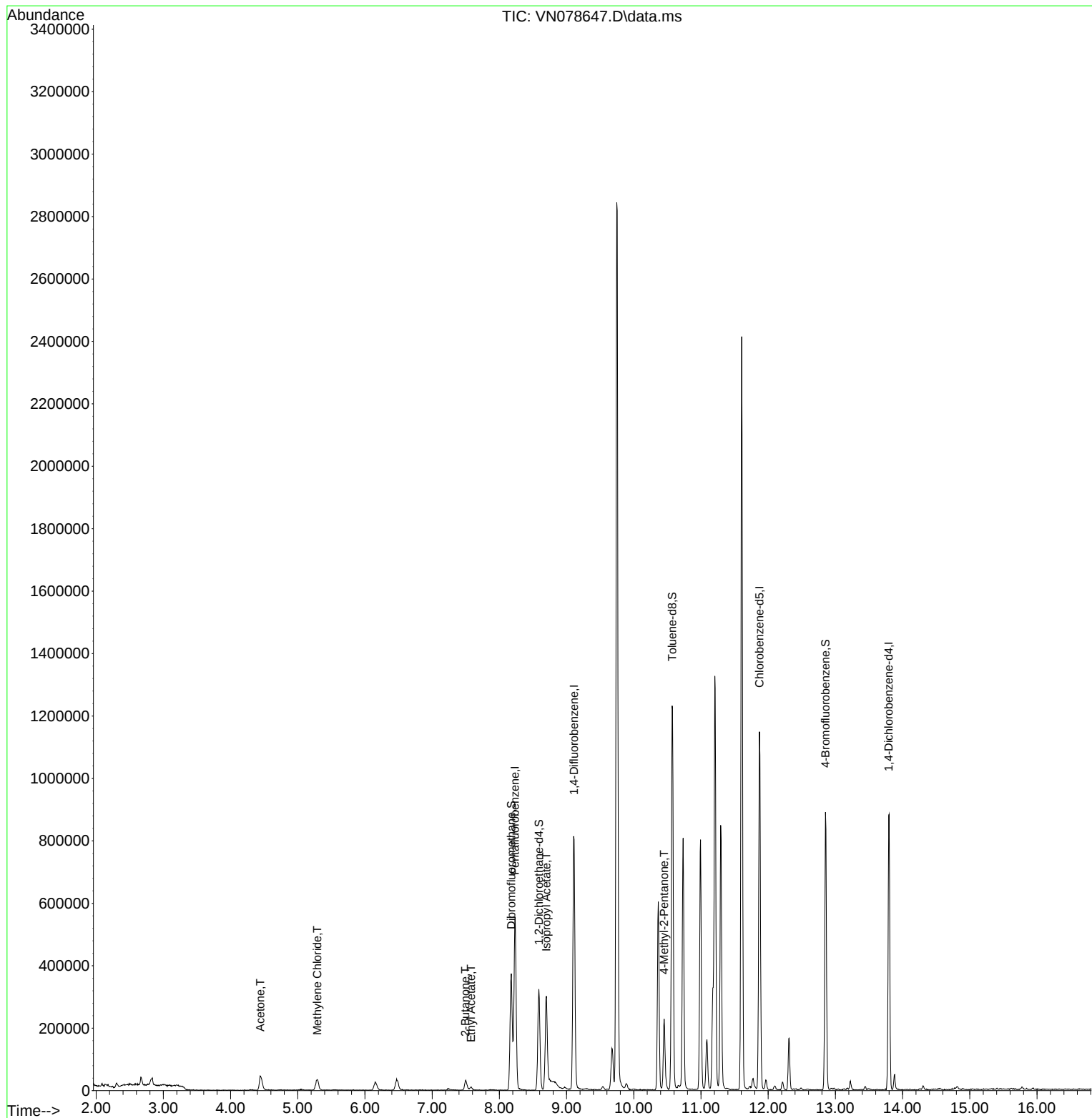
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.229  | 168   | 420745   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.112  | 114   | 741515   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 710624   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 247921   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 258179   | 45.772   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 91.540%  |
| 35) Dibromofluoromethane    | 8.176  | 113   | 266113   | 52.867   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 105.740% |
| 50) Toluene-d8              | 10.570 | 98    | 903127   | 47.494   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 94.980%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 302301   | 51.612   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 103.220% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.441  | 43    | 86088    | 48.996   | ug/l   | 91       |
| 20) Methylene Chloride      | 5.288  | 84    | 27638    | 4.368    | ug/l   | 97       |
| 25) 2-Butanone              | 7.494  | 43    | 47499    | 17.174   | ug/l # | 81       |
| 37) Ethyl Acetate           | 7.577  | 43    | 13920    | 2.297    | ug/l # | 96       |
| 43) Isopropyl Acetate       | 8.700  | 43    | 351939   | 35.282   | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone    | 10.453 | 43    | 150397   | 25.348   | ug/l   | 91       |
| -----                       |        |       |          |          |        |          |

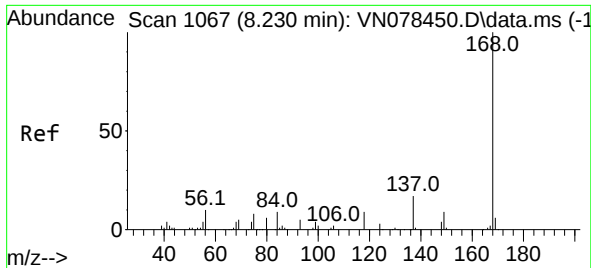
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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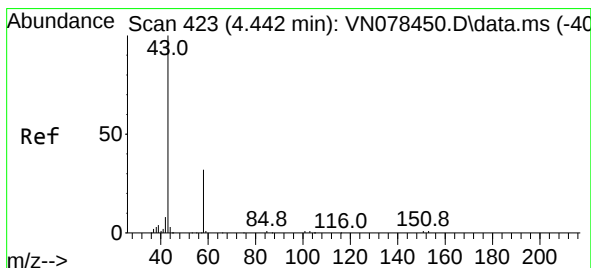
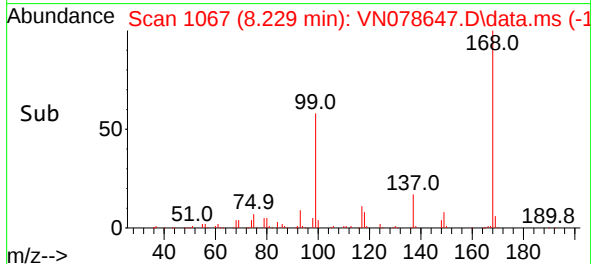
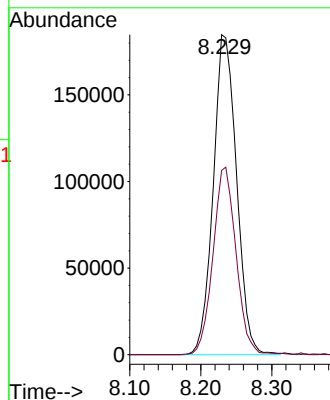
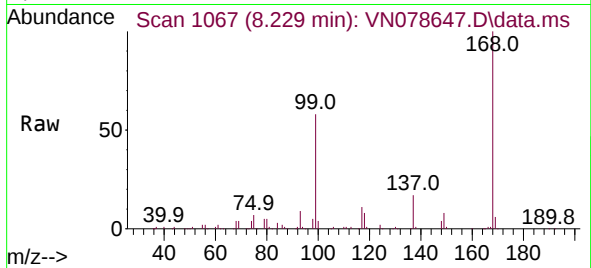




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.001 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

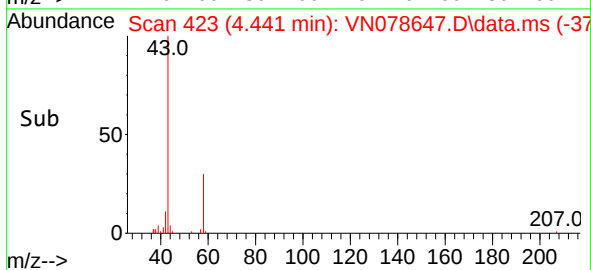
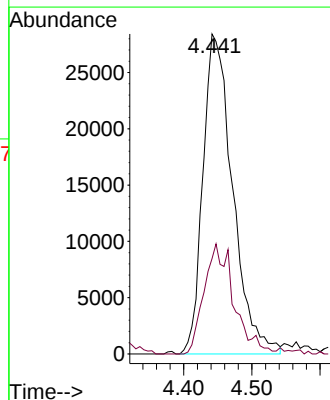
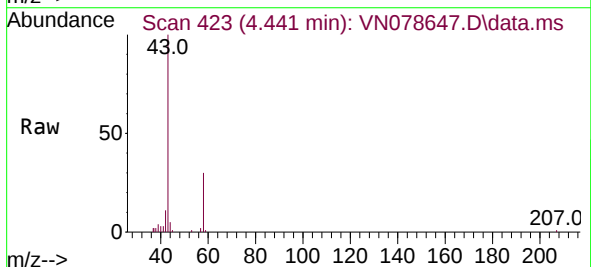
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2

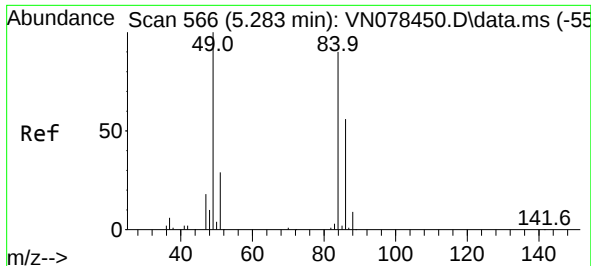
Tgt Ion:168 Resp: 420745  
Ion Ratio Lower Upper  
168 100  
99 57.6 53.0 79.6



#16  
Acetone  
Concen: 48.996 ug/l  
RT: 4.441 min Scan# 423  
Delta R.T. -0.001 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

Tgt Ion: 43 Resp: 86088  
Ion Ratio Lower Upper  
43 100  
58 29.8 28.0 42.0

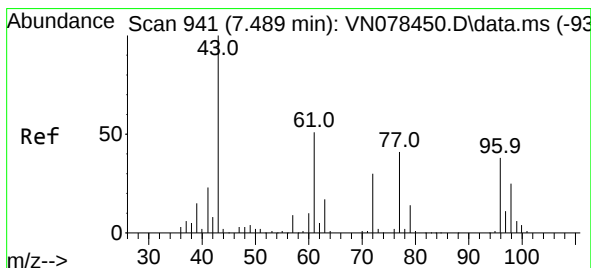
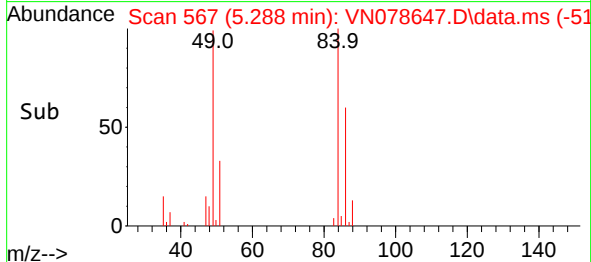
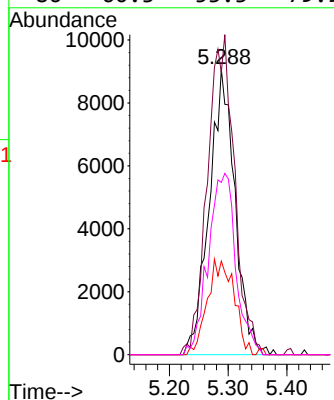
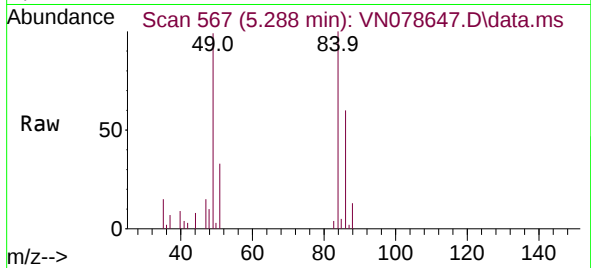




#20  
Methylene Chloride  
Concen: 4.368 ug/l  
RT: 5.288 min Scan# 51  
Delta R.T. 0.005 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

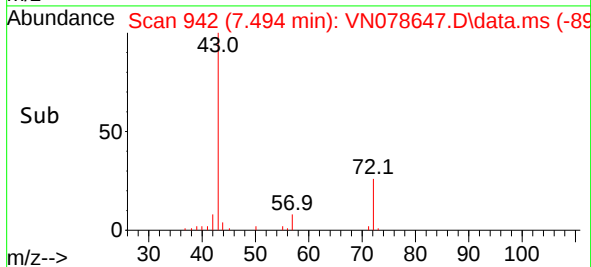
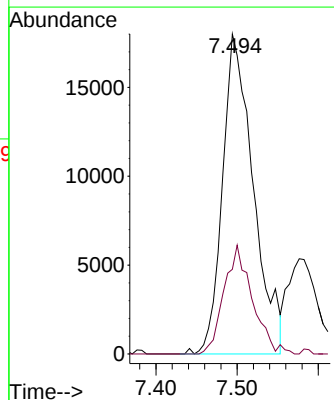
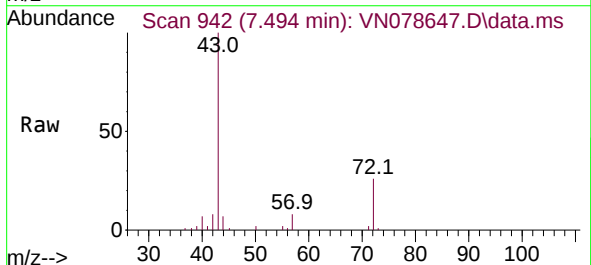
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2

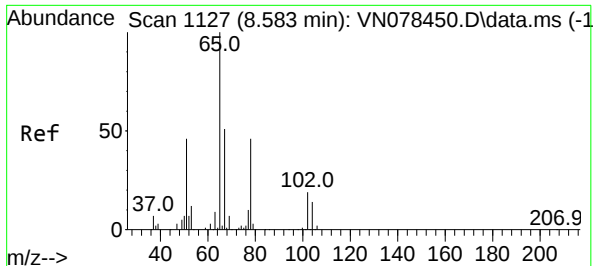
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 27638 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 98.9  | 79.7  | 119.5 |
| 51       | 32.7  | 25.2  | 37.8  |
| 86       | 60.3  | 53.3  | 79.9  |



#25  
2-Butanone  
Concen: 17.174 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.005 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 47499 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 26.4  | 30.2  | 45.2# |

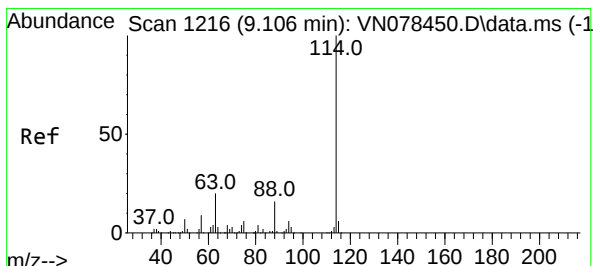
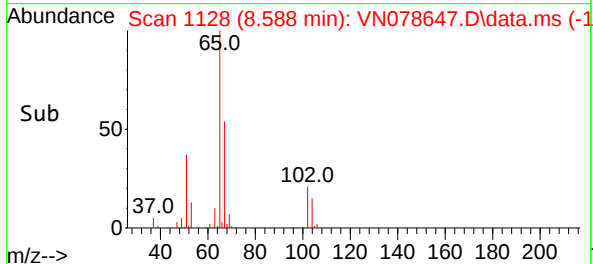
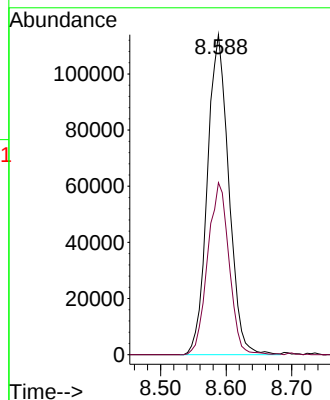
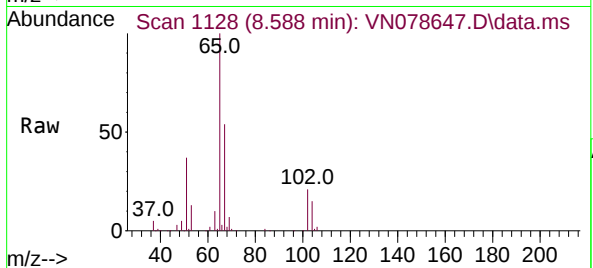




#33  
1,2-Dichloroethane-d4  
Concen: 45.772 ug/l  
RT: 8.588 min Scan# 1127  
Delta R.T. 0.005 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

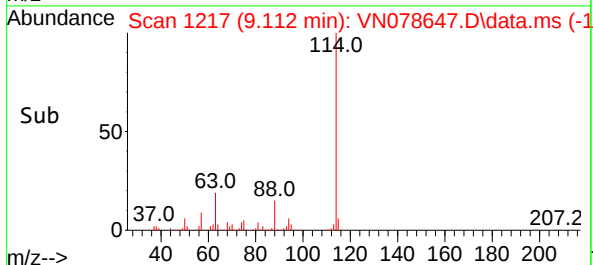
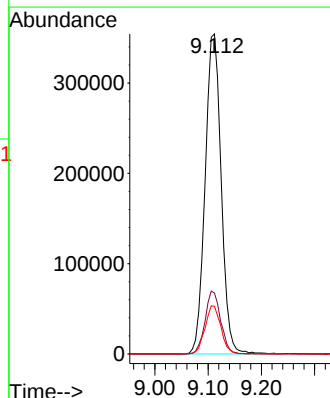
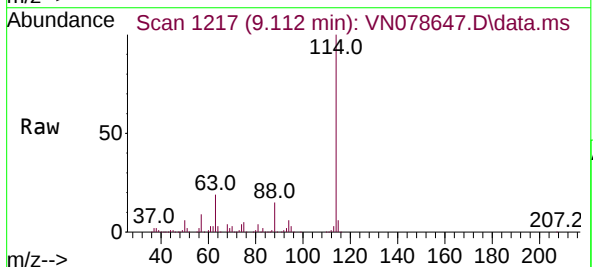
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2

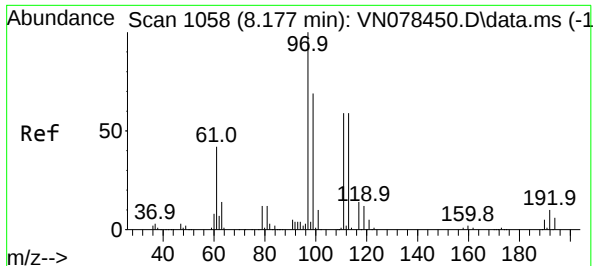
Tgt Ion: 65 Resp: 258179  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 106.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.112 min Scan# 1217  
Delta R.T. 0.006 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

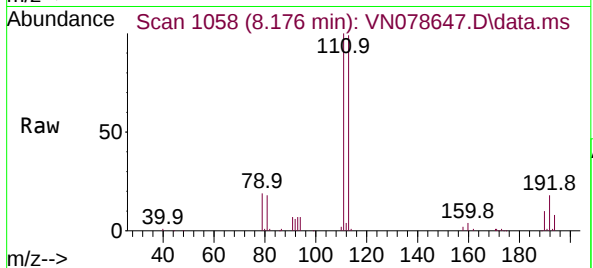
Tgt Ion: 114 Resp: 741515  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 36.4  
88 14.9 0.0 30.6



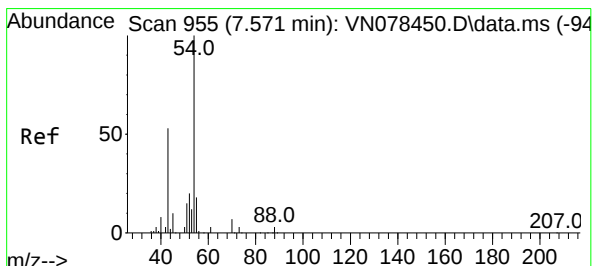
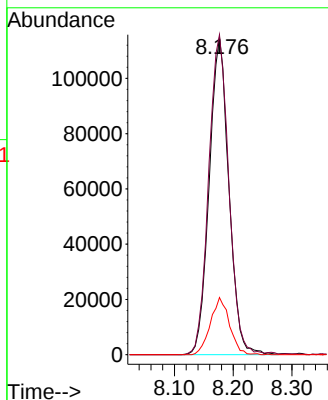
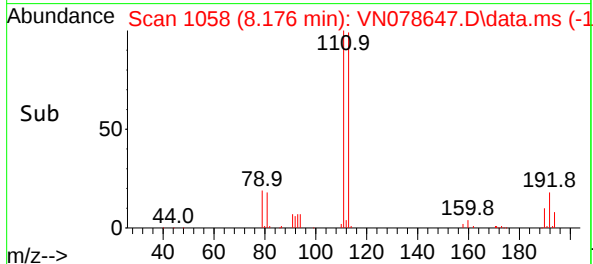


#35  
Dibromofluoromethane  
Concen: 52.867 ug/l  
RT: 8.176 min Scan# 1058  
Delta R.T. -0.001 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2

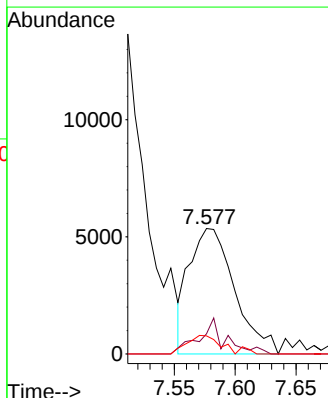
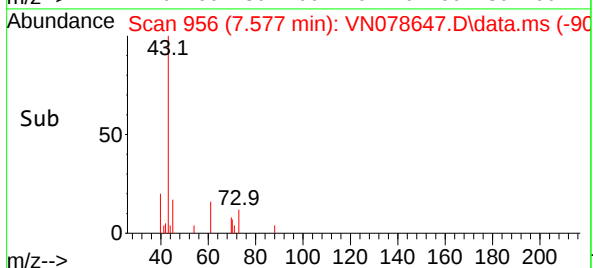
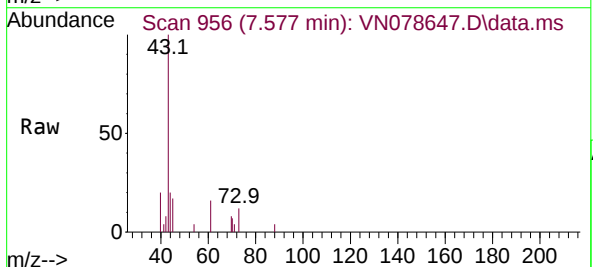


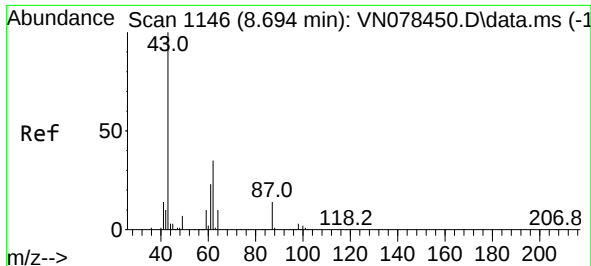
Tgt Ion:113 Resp: 266113  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.6 123.8  
192 17.5 12.7 19.1



#37  
Ethyl Acetate  
Concen: 2.297 ug/l  
RT: 7.577 min Scan# 956  
Delta R.T. 0.006 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

Tgt Ion: 43 Resp: 13920  
Ion Ratio Lower Upper  
43 100  
61 16.6 13.2 19.8  
70 10.5 11.3 16.9#

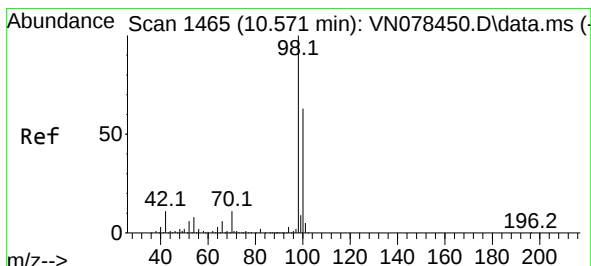
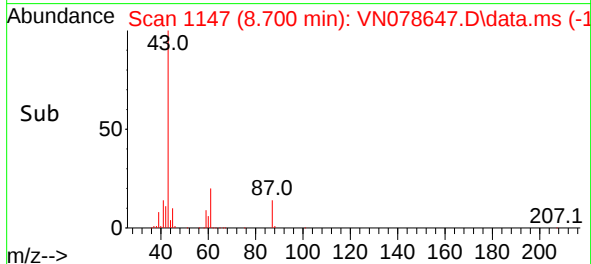
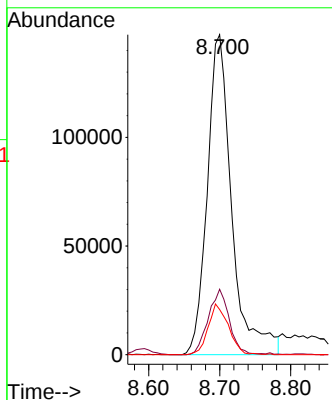
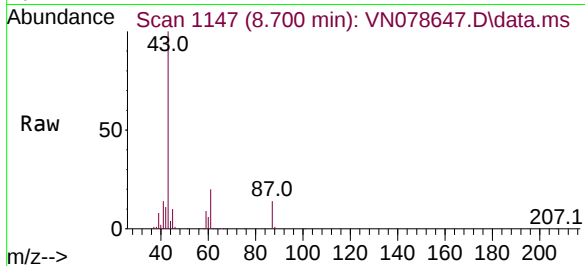




#43  
Isopropyl Acetate  
Concen: 35.282 ug/l  
RT: 8.700 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

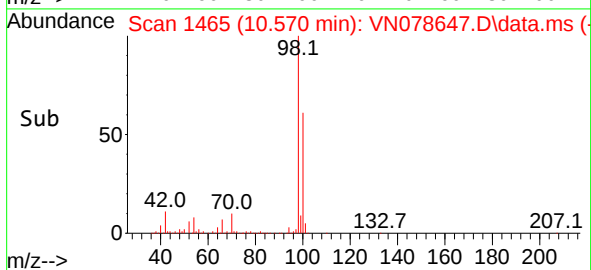
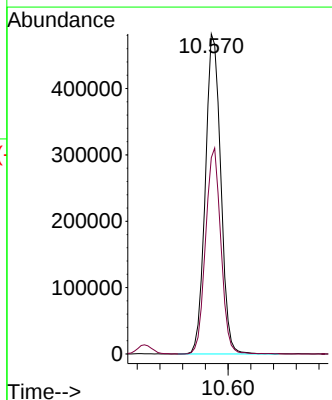
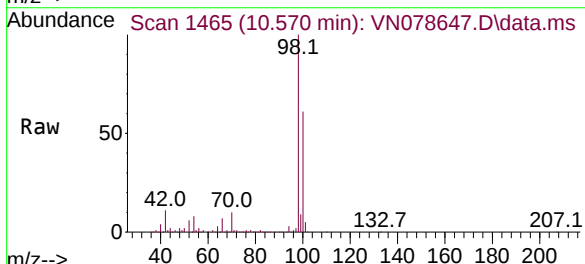
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ClientSampleId :  
TP-2

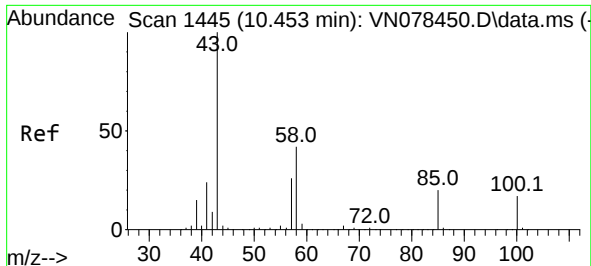
Tgt Ion: 43 Resp: 351939  
Ion Ratio Lower Upper  
43 100  
61 17.5 24.7 37.1#  
87 13.2 14.6 21.8#



#50  
Toluene-d8  
Concen: 47.494 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. -0.001 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

Tgt Ion: 98 Resp: 903127  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.0 78.0

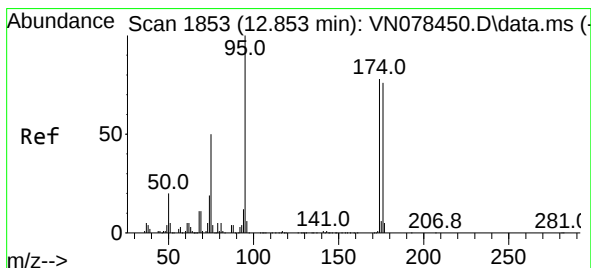
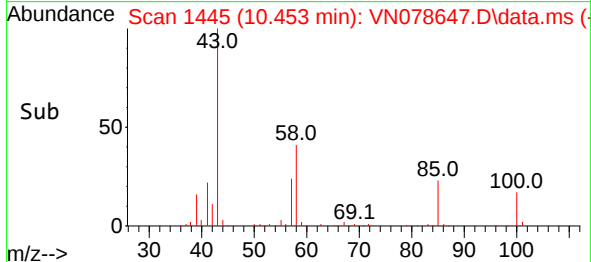
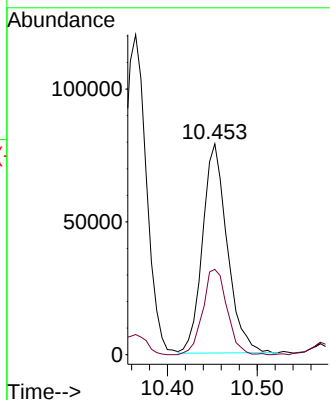
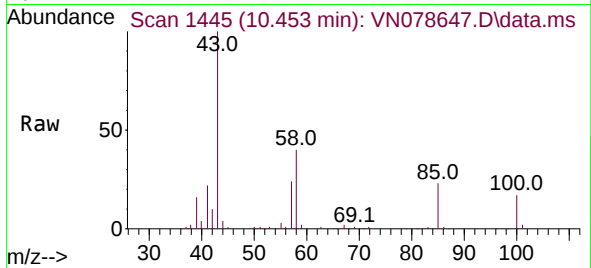




#51  
4-Methyl-2-Pentanone  
Concen: 25.348 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

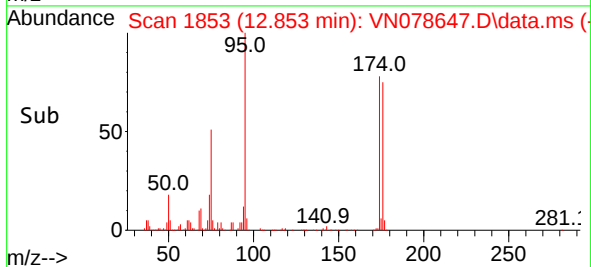
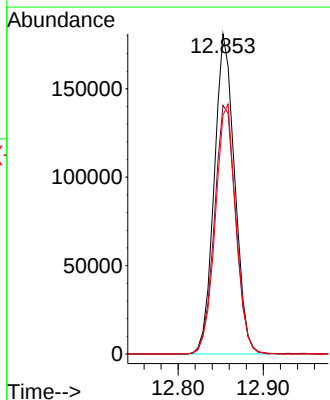
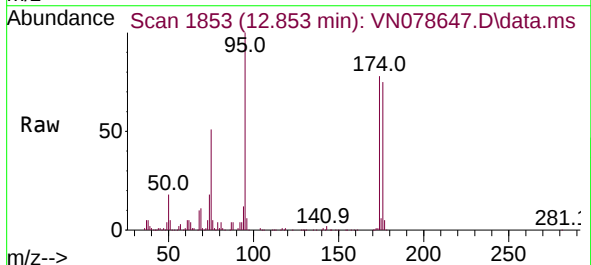
Instrument :  
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ClientSampleId :  
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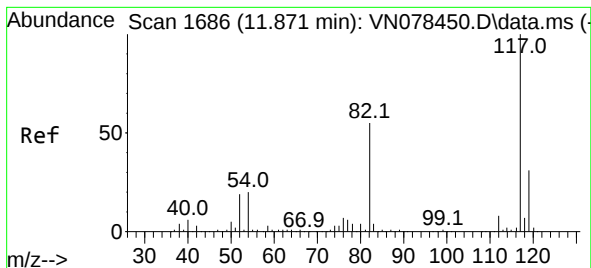
Tgt Ion: 43 Resp: 150397  
Ion Ratio Lower Upper  
43 100  
58 40.1 36.6 54.8



#62  
4-Bromofluorobenzene  
Concen: 51.612 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078647.D  
Acq: 25 Jul 2023 15:12

Tgt Ion: 95 Resp: 302301  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 143.8  
176 78.8 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078647.D

Acq: 25 Jul 2023 15:12

Instrument :

MSVOA\_N

ClientSampleId :

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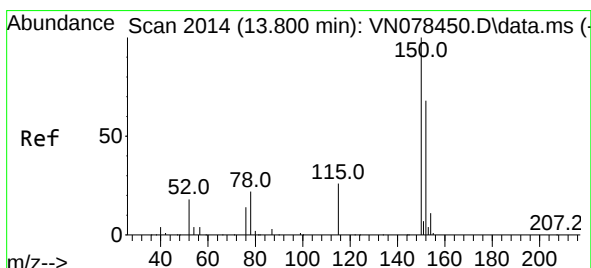
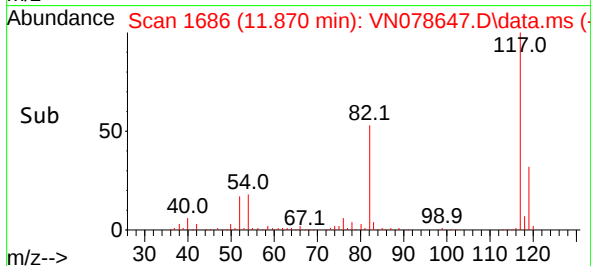
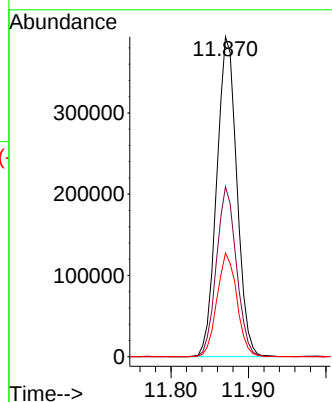
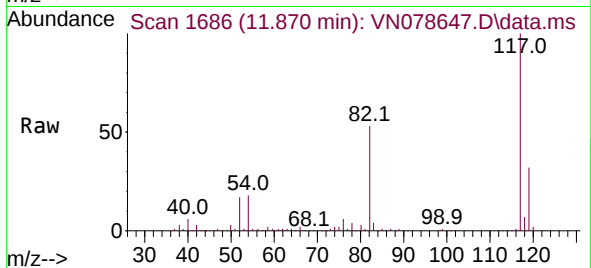
Tgt Ion:117 Resp: 710624

Ion Ratio Lower Upper

117 100

82 53.2 44.0 66.0

119 32.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.006 min

Lab File: VN078647.D

Acq: 25 Jul 2023 15:12

Tgt Ion:152 Resp: 247921

Ion Ratio Lower Upper

152 100

115 58.7 32.3 96.8

150 158.2 0.0 355.8

