

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061523\  
 Data File : VN078232.D  
 Acq On : 15 Jun 2023 16:45  
 Operator : JC\MD  
 Sample : 03259-03DL 4X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 GWOW-BR-05-167-187-061423DL

Quant Time: Jun 16 06:08:56 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

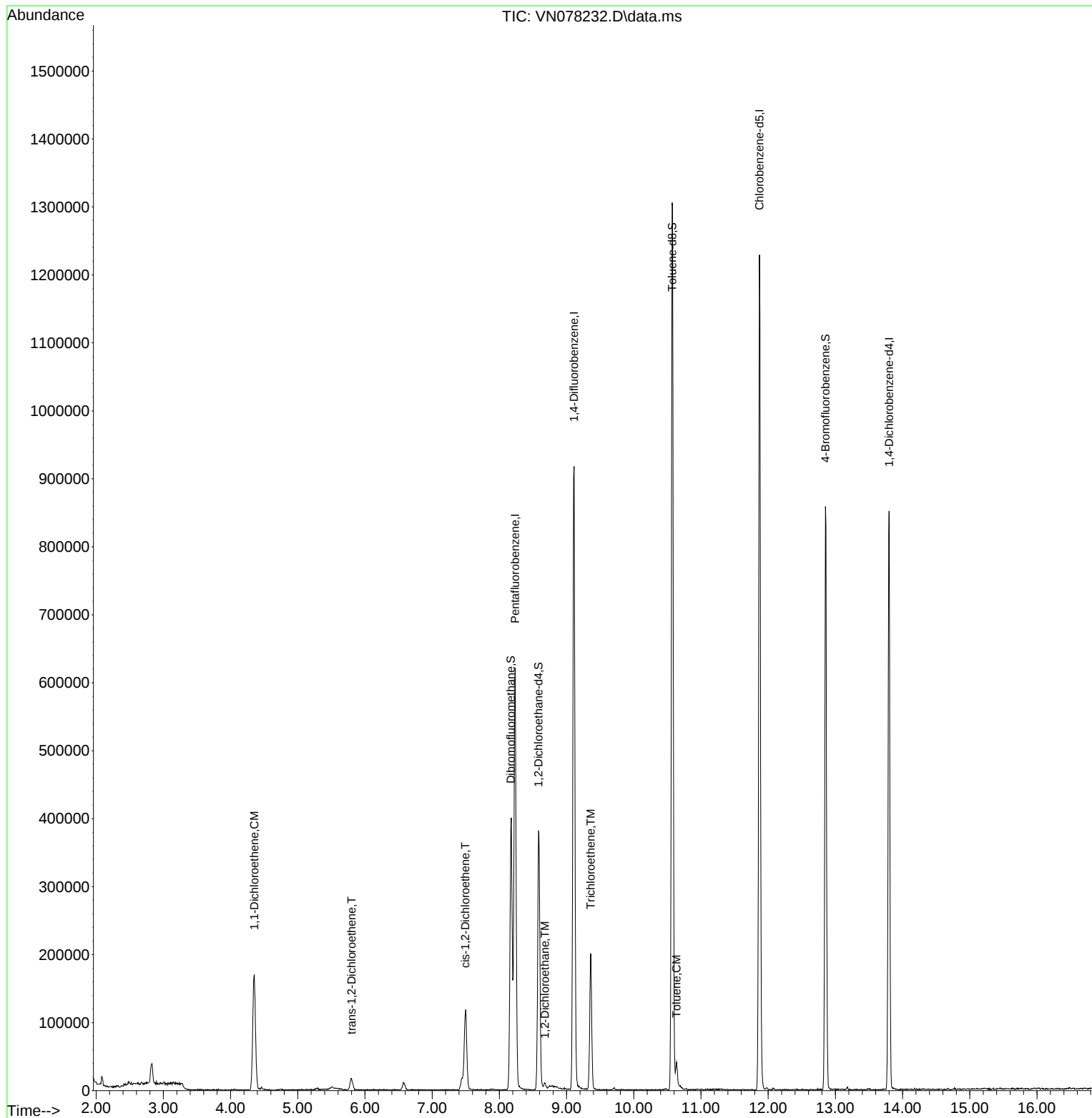
| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 8.235  | 168   | 443048   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.112  | 114   | 818150   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.871 | 117   | 733193   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.800 | 152   | 228438   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.582  | 65    | 317542   | 53.755   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 107.520% |          |
| 35) Dibromofluoromethane     | 8.171  | 113   | 282738   | 54.656   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 109.320% |          |
| 50) Toluene-d8               | 10.571 | 98    | 954310   | 47.853   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 95.700%  |          |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 302459   | 48.786   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 97.580%  |          |
| Target Compounds             |        |       |          |          |            |          |
|                              |        |       |          |          | Qvalue     |          |
| 12) 1,1-Dichloroethene       | 4.353  | 96    | 101668   | 21.014   | ug/l       | 82       |
| 21) trans-1,2-Dichloroethene | 5.800  | 96    | 10422    | 1.997    | ug/l       | 93       |
| 27) cis-1,2-Dichloroethene   | 7.494  | 96    | 70356    | 11.303   | ug/l       | 97       |
| 42) 1,2-Dichloroethane       | 8.677  | 62    | 8650     | 1.139    | ug/l       | 100      |
| 44) Trichloroethene          | 9.359  | 130   | 68021    | 11.627   | ug/l       | 98       |
| 52) Toluene                  | 10.635 | 92    | 13341    | 0.954    | ug/l       | 93       |
| -----                        |        |       |          |          |            |          |

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

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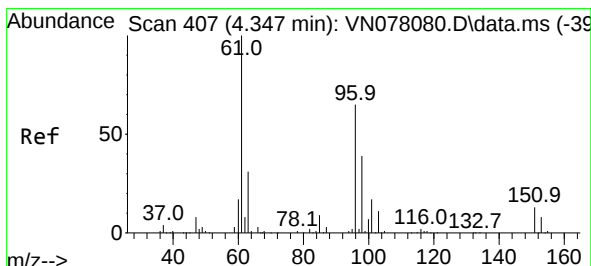
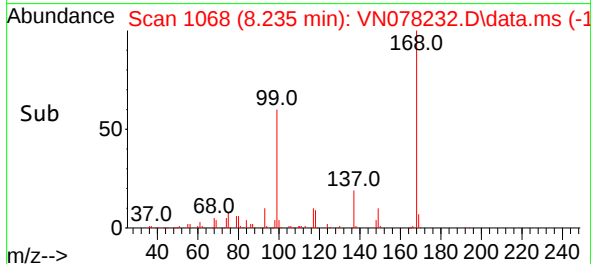
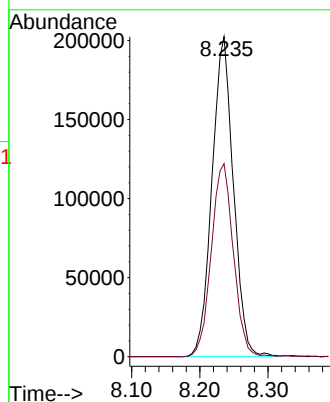
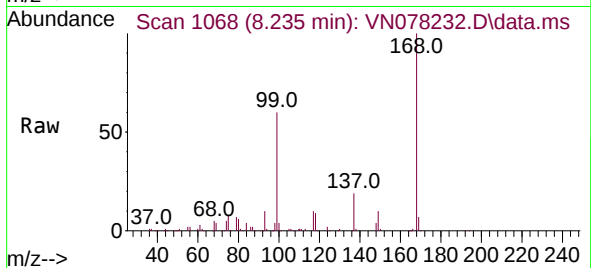




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VN078232.D  
Acq: 15 Jun 2023 16:45

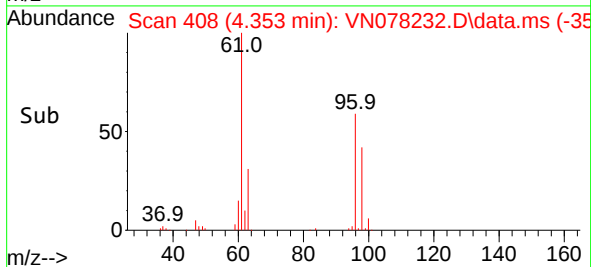
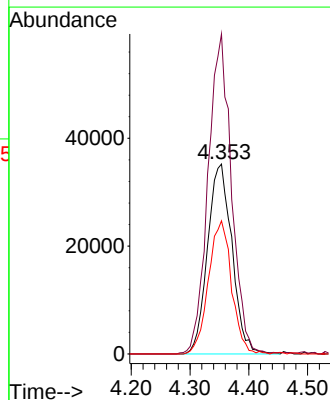
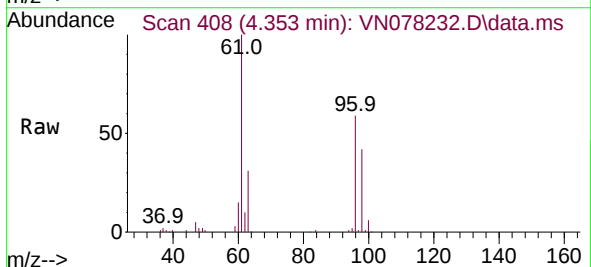
Instrument :  
MSVOA\_N  
ClientSampleId :  
GWOW-BR-05-167-187-061423DL

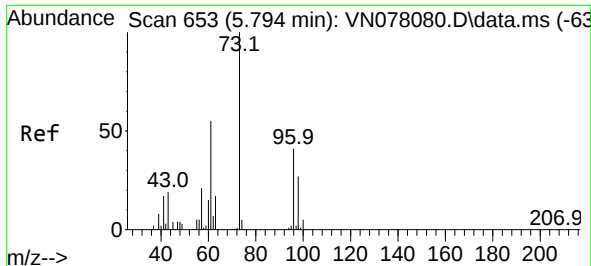
Tgt Ion:168 Resp: 443048  
Ion Ratio Lower Upper  
168 100  
99 60.4 53.0 79.6



#12  
1,1-Dichloroethene  
Concen: 21.014 ug/l  
RT: 4.353 min Scan# 408  
Delta R.T. 0.006 min  
Lab File: VN078232.D  
Acq: 15 Jun 2023 16:45

Tgt Ion: 96 Resp: 101668  
Ion Ratio Lower Upper  
96 100  
61 167.8 112.7 169.1  
98 70.1 51.2 76.8

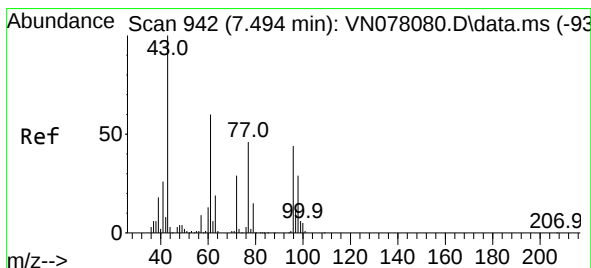
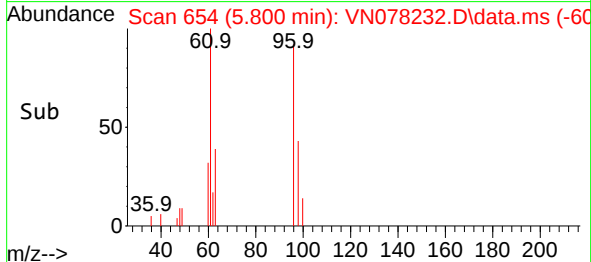
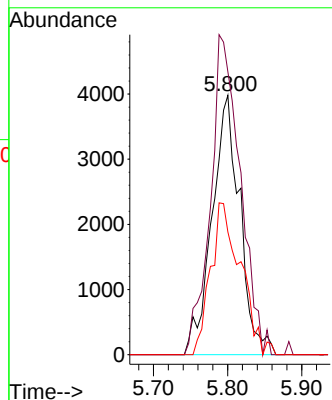
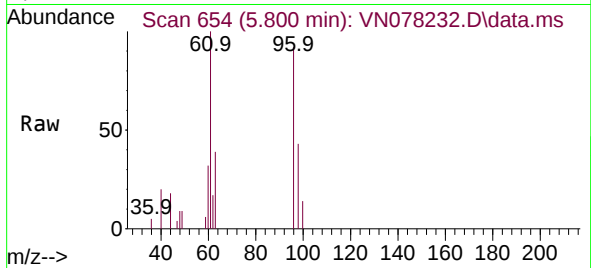




#21  
trans-1,2-Dichloroethene  
Concen: 1.997 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN078232.D  
Acq: 15 Jun 2023 16:45

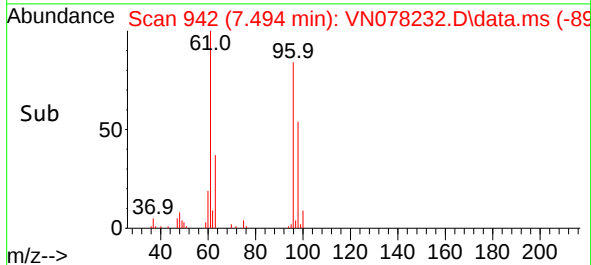
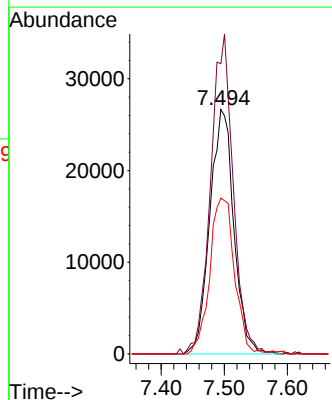
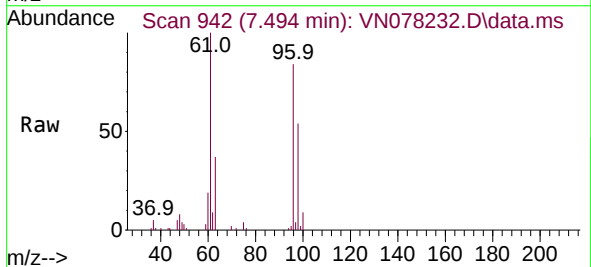
Instrument :  
MSVOA\_N  
ClientSampleId :  
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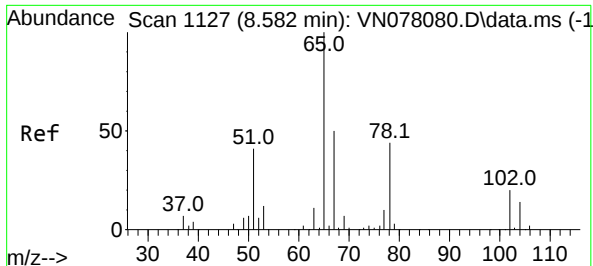
Tgt Ion: 96 Resp: 10422  
Ion Ratio Lower Upper  
96 100  
61 109.1 90.1 135.1  
98 47.3 46.4 69.6



#27  
cis-1,2-Dichloroethene  
Concen: 11.303 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: VN078232.D  
Acq: 15 Jun 2023 16:45

Tgt Ion: 96 Resp: 70356  
Ion Ratio Lower Upper  
96 100  
61 123.4 0.0 255.2  
98 65.8 0.0 128.8





#33

1,2-Dichloroethane-d4

Concen: 53.755 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078232.D

Acq: 15 Jun 2023 16:45

Instrument :

MSVOA\_N

ClientSampleId :

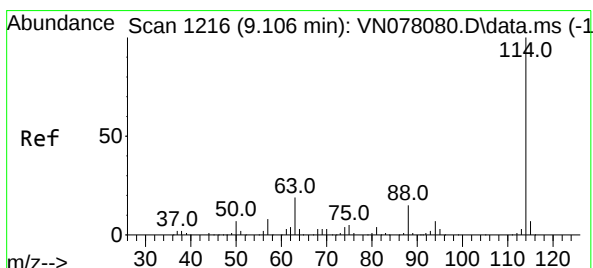
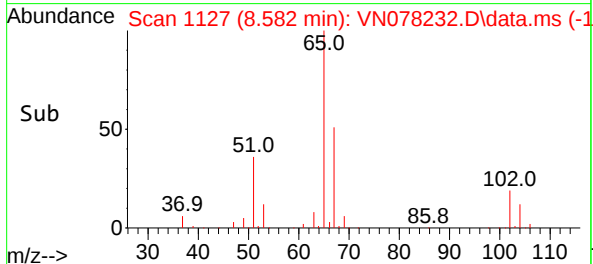
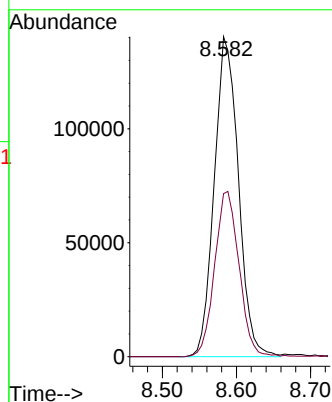
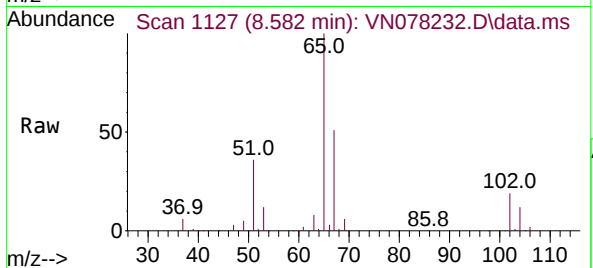
GWOW-BR-05-167-187-061423DL

Tgt Ion: 65 Resp: 317542

Ion Ratio Lower Upper

65 100

67 52.4 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: VN078232.D

Acq: 15 Jun 2023 16:45

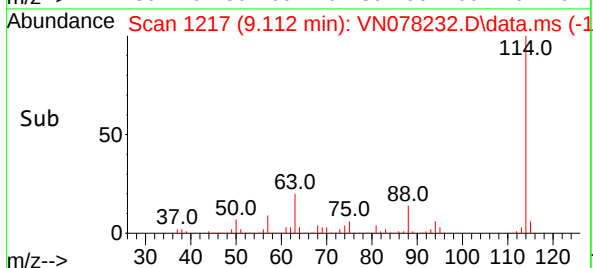
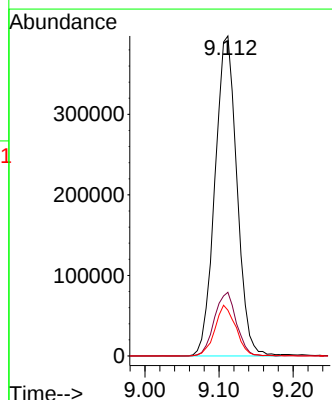
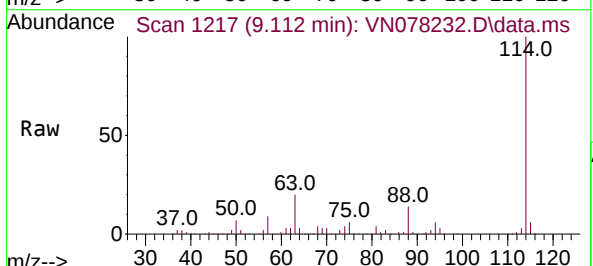
Tgt Ion: 114 Resp: 818150

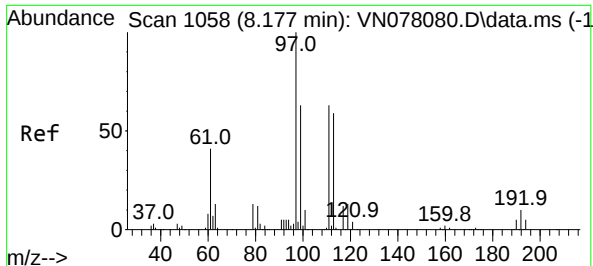
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 14.3 0.0 30.6

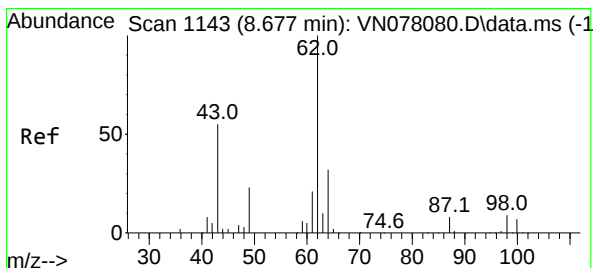
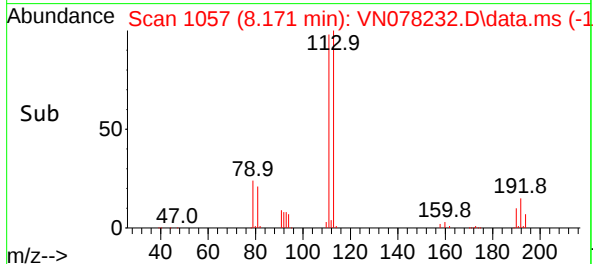
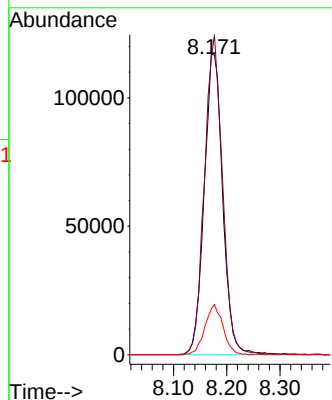
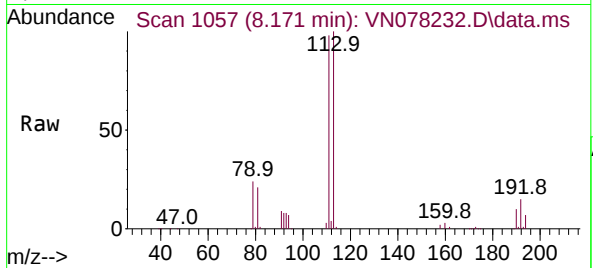




#35  
Dibromofluoromethane  
Concen: 54.656 ug/l  
RT: 8.171 min Scan# 1105  
Delta R.T. -0.006 min  
Lab File: VN078232.D  
Acq: 15 Jun 2023 16:45

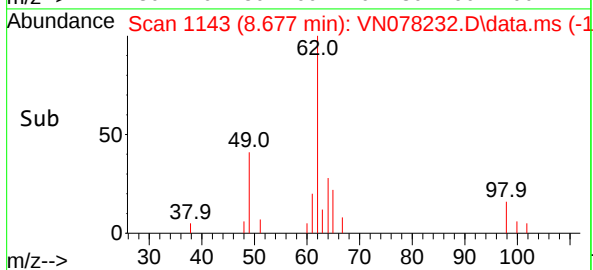
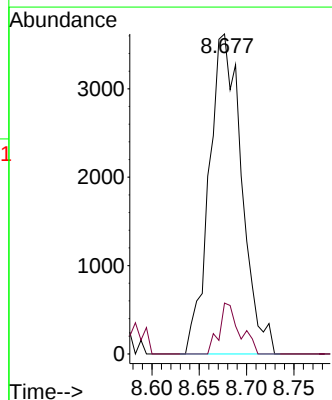
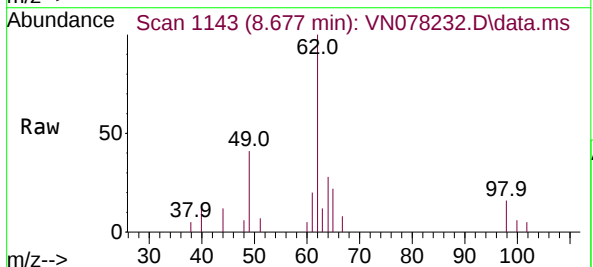
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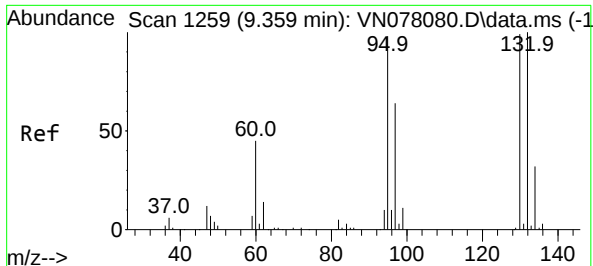
Tgt Ion:113 Resp: 282738  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.6 123.8  
192 16.3 12.7 19.1



#42  
1,2-Dichloroethane  
Concen: 1.139 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: VN078232.D  
Acq: 15 Jun 2023 16:45

Tgt Ion: 62 Resp: 8650  
Ion Ratio Lower Upper  
62 100  
98 9.9 0.0 19.8

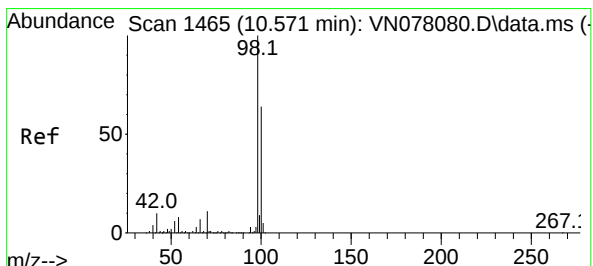
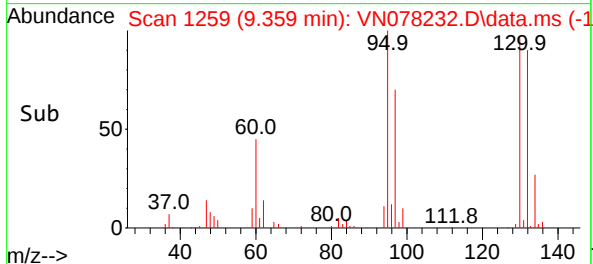
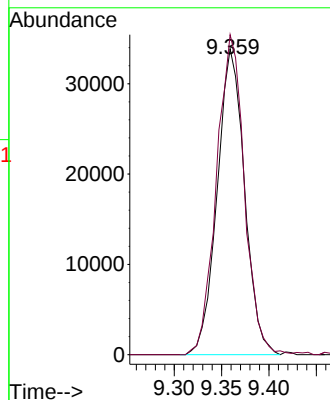
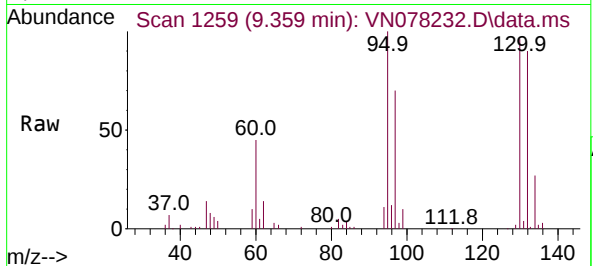




#44  
Trichloroethene  
Concen: 11.627 ug/l  
RT: 9.359 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078232.D  
Acq: 15 Jun 2023 16:45

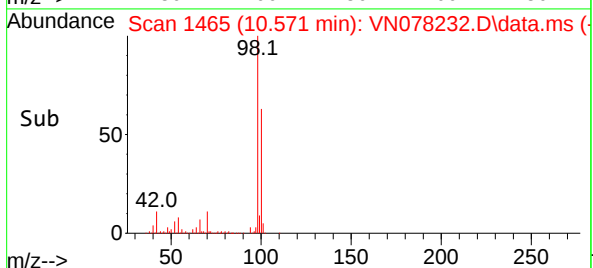
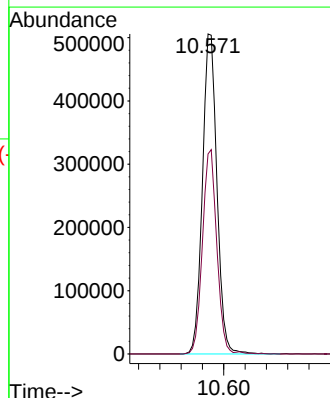
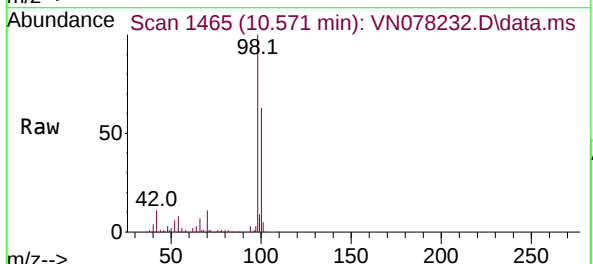
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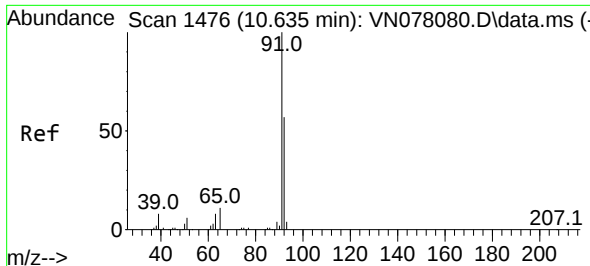
Tgt Ion:130 Resp: 68021  
Ion Ratio Lower Upper  
130 100  
95 104.6 0.0 204.6



#50  
Toluene-d8  
Concen: 47.853 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN078232.D  
Acq: 15 Jun 2023 16:45

Tgt Ion: 98 Resp: 954310  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.0 78.0

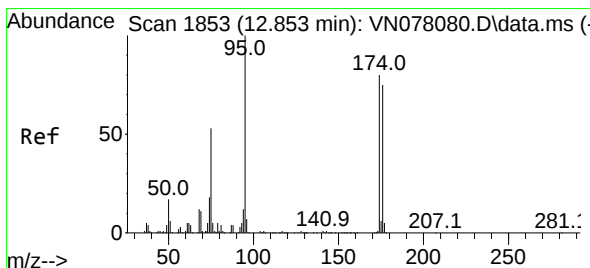
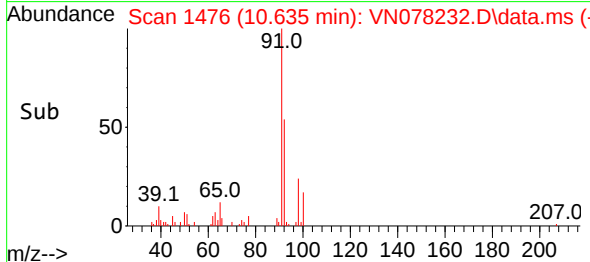
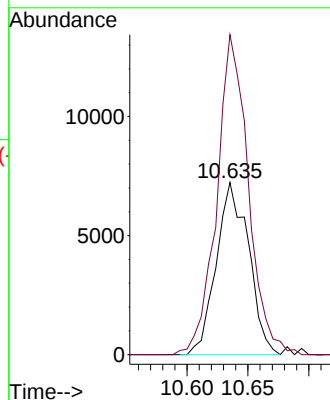
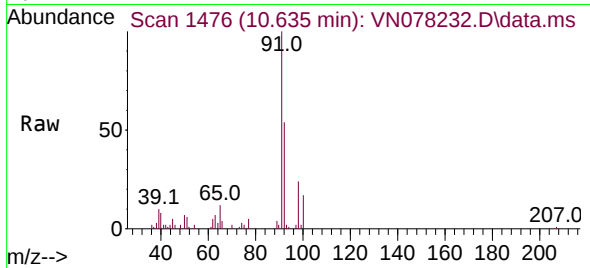




#52  
Toluene  
Concen: 0.954 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078232.D  
Acq: 15 Jun 2023 16:45

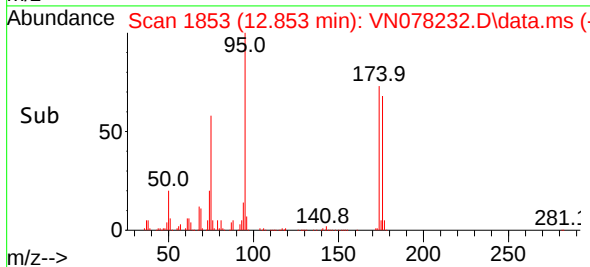
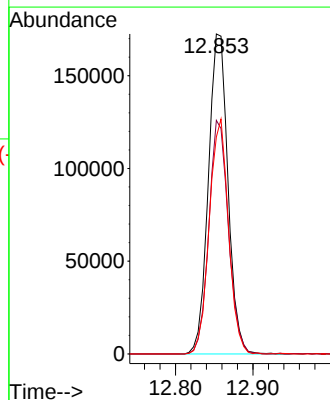
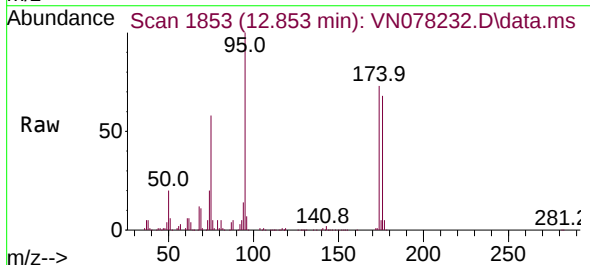
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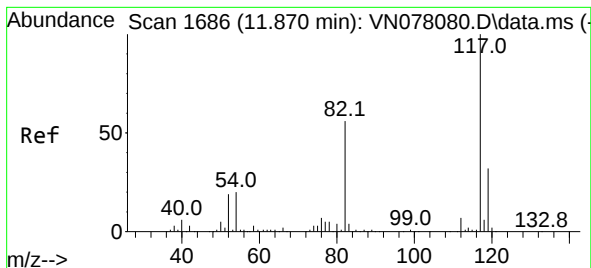
Tgt Ion: 92 Resp: 13341  
Ion Ratio Lower Upper  
92 100  
91 181.8 137.4 206.0



#62  
4-Bromofluorobenzene  
Concen: 48.786 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN078232.D  
Acq: 15 Jun 2023 16:45

Tgt Ion: 95 Resp: 302459  
Ion Ratio Lower Upper  
95 100  
174 72.9 0.0 143.8  
176 72.0 0.0 135.8

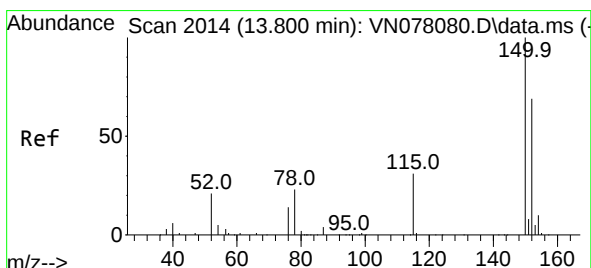
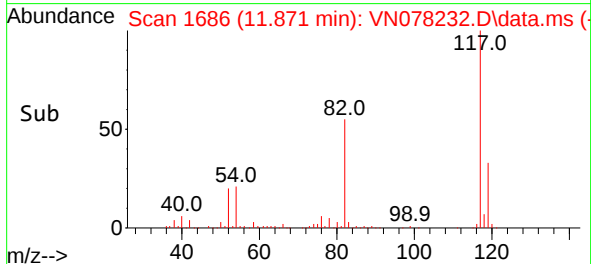
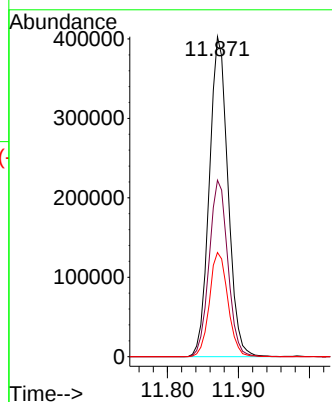
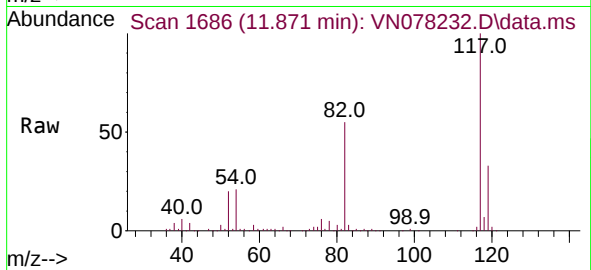




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN078232.D  
Acq: 15 Jun 2023 16:45

Instrument :  
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ClientSampleId :  
GWOW-BR-05-167-187-061423DL

Tgt Ion:117 Resp: 733193  
Ion Ratio Lower Upper  
117 100  
82 55.1 44.0 66.0  
119 32.6 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: VN078232.D  
Acq: 15 Jun 2023 16:45

Tgt Ion:152 Resp: 228438  
Ion Ratio Lower Upper  
152 100  
115 62.6 32.3 96.8  
150 158.6 0.0 355.8

