

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021821\  
 Data File : VN065935.D  
 Acq On : 18 Feb 2021 12:54  
 Operator : JC/MD  
 Sample : M1448-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 GWBR3-95-113-021621

Quant Time: Feb 19 00:15:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 2021  
 Response via : Initial Calibration

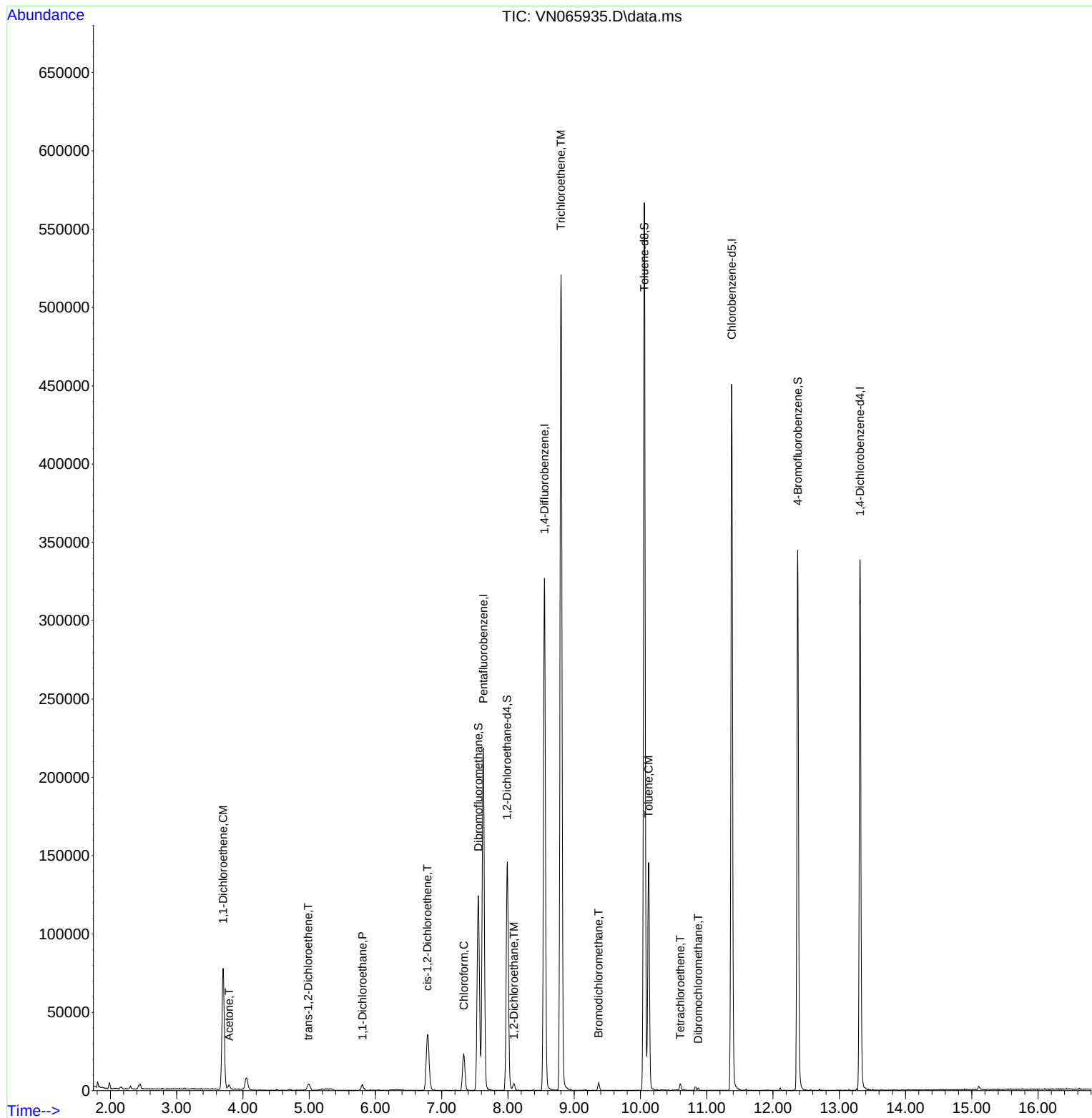
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.627  | 168   | 175436   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.550  | 114   | 300294   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.376 | 117   | 270470   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.315 | 152   | 97803    | 50.00    | ug/l   | 0.00     |
|                              |        |       |          |          |        |          |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 7.987  | 65    | 127901   | 52.13    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =      | 104.26%  |
| 35) Dibromofluoromethane     | 7.553  | 113   | 99212    | 53.38    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =      | 106.76%  |
| 50) Toluene-d8               | 10.058 | 98    | 402172   | 52.72    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =      | 105.44%  |
| 62) 4-Bromofluorobenzene     | 12.373 | 95    | 135401   | 47.28    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =      | 94.56%   |
|                              |        |       |          |          |        |          |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene       | 3.701  | 96    | 40567    | 20.59    | ug/l   | 97       |
| 16) Acetone                  | 3.791  | 43    | 4282     | 3.98     | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 4.984  | 96    | 2803     | 1.35     | ug/l # | 78       |
| 24) 1,1-Dichloroethane       | 5.804  | 63    | 6186     | 1.59     | ug/l # | 92       |
| 27) cis-1,2-Dichloroethene   | 6.785  | 96    | 24006    | 10.18    | ug/l   | 96       |
| 30) Chloroform               | 7.335  | 83    | 26862    | 6.99     | ug/l   | 94       |
| 42) 1,2-Dichloroethane       | 8.090  | 62    | 3980     | 1.33     | ug/l   | 90       |
| 44) Trichloroethene          | 8.801  | 130   | 199364   | 88.73    | ug/l   | 98       |
| 47) Bromodichloromethane     | 9.367  | 83    | 3900     | 1.35     | ug/l # | 88       |
| 52) Toluene                  | 10.122 | 92    | 65693    | 11.77    | ug/l   | 96       |
| 60) Dibromochloromethane     | 10.872 | 129   | 881      | 0.41     | ug/l   | 84       |
| 64) Tetrachloroethene        | 10.601 | 164   | 904      | 0.43     | ug/l   | 93       |
| -----                        |        |       |          |          |        |          |

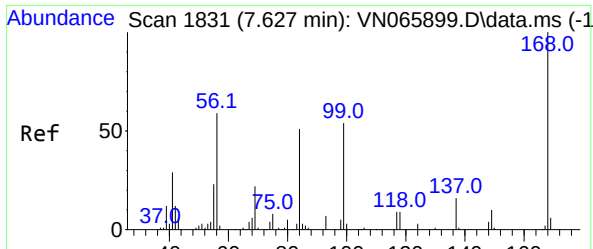
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021821\  
Data File : VN065935.D  
Acq On : 18 Feb 2021 12:54  
Operator : JC/MD  
Sample : M1448-01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
GWBR3-95-113-021621

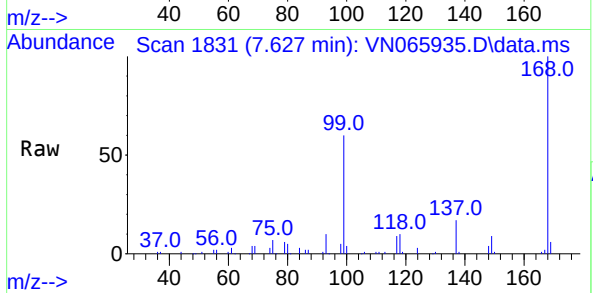
Quant Time: Feb 19 00:15:05 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 17 15:48:13 2021  
Response via : Initial Calibration



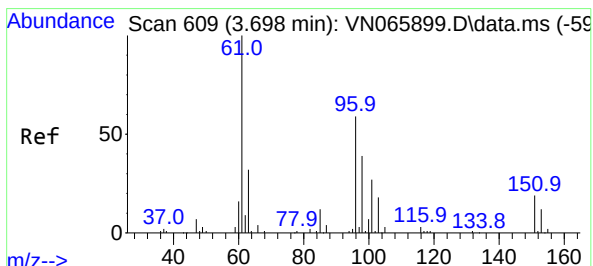
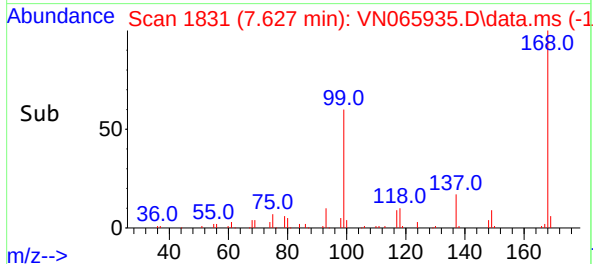
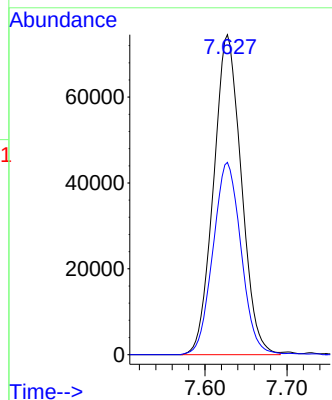


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.000 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
GWBR3-95-113-021621

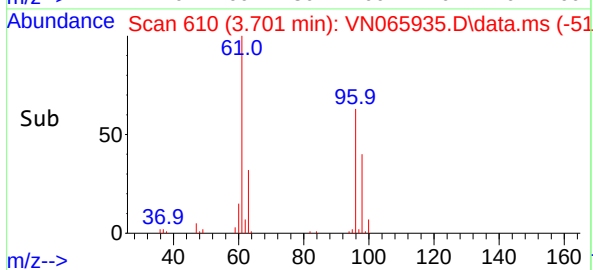
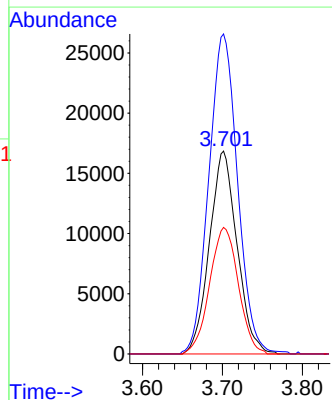
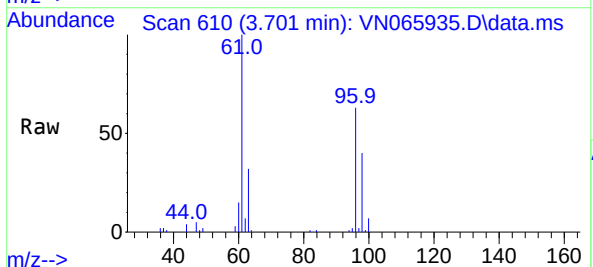


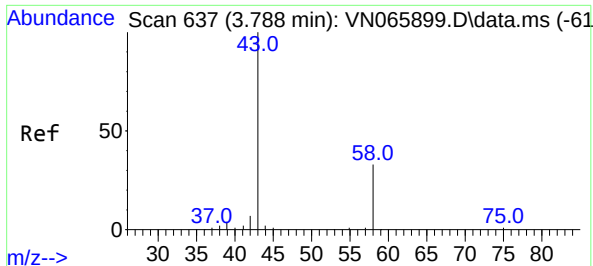
Tgt Ion:168 Resp: 175436  
Ion Ratio Lower Upper  
168 100  
99 60.1 42.6 63.8



#12  
1,1-Dichloroethene  
Concen: 20.59 ug/l  
RT: 3.701 min Scan# 610  
Delta R.T. 0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

Tgt Ion: 96 Resp: 40567  
Ion Ratio Lower Upper  
96 100  
61 157.7 122.5 183.7  
98 62.4 50.8 76.2

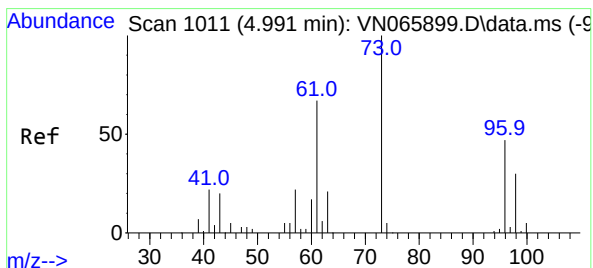
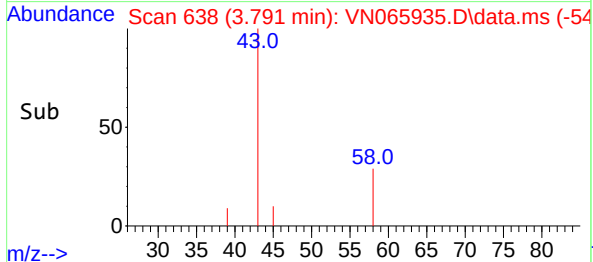
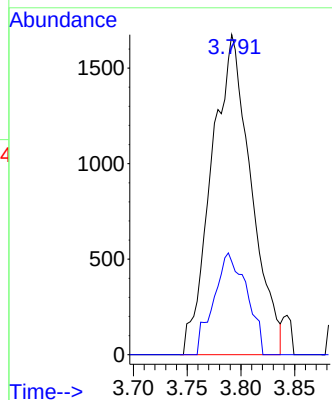
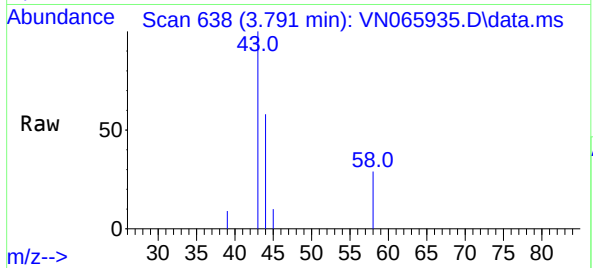




#16  
Acetone  
Concen: 3.98 ug/l  
RT: 3.791 min Scan# 638  
Delta R.T. 0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

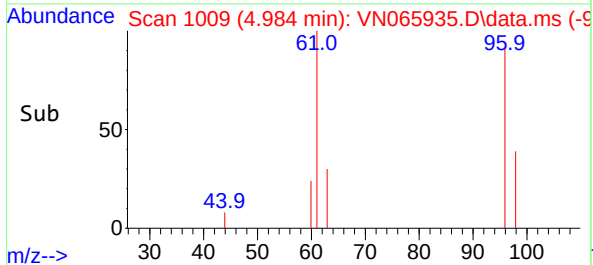
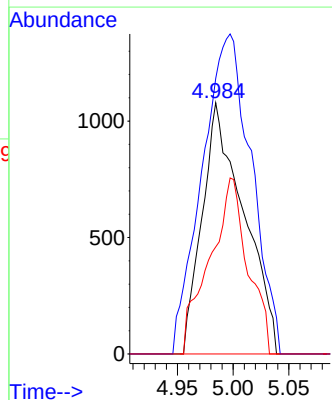
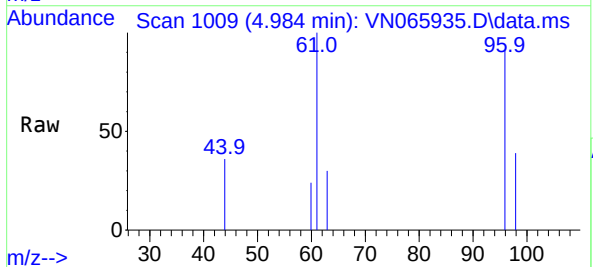
Instrument :  
MSVOA\_N  
ClientSampleId :  
GWBR3-95-113-021621

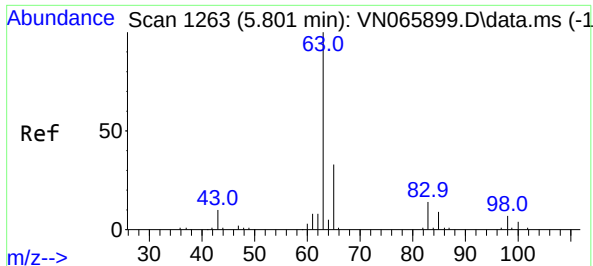
Tgt Ion: 43 Resp: 4282  
Ion Ratio Lower Upper  
43 100  
58 29.1 27.0 40.6



#21  
trans-1,2-Dichloroethene  
Concen: 1.35 ug/l  
RT: 4.984 min Scan# 1009  
Delta R.T. -0.007 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

Tgt Ion: 96 Resp: 2803  
Ion Ratio Lower Upper  
96 100  
61 109.6 104.9 157.3  
98 42.6 51.8 77.8#

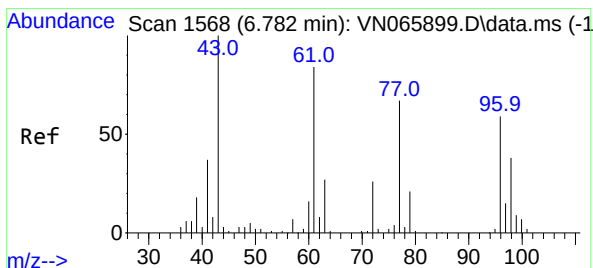
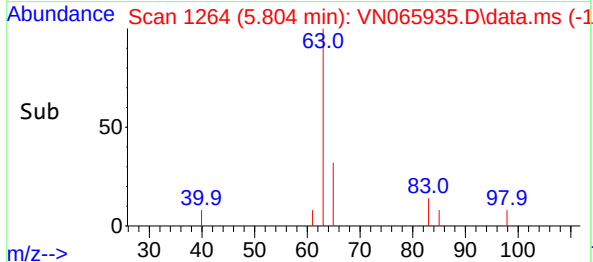
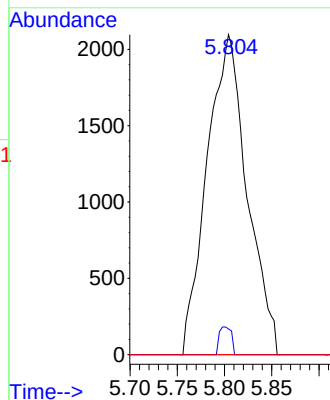
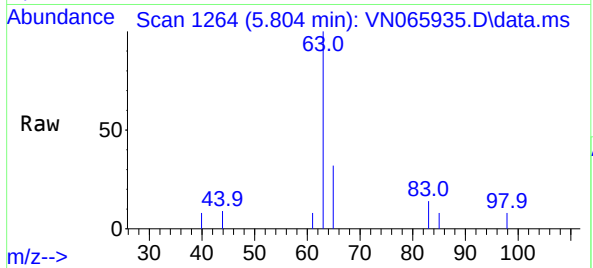




#24  
1,1-Dichloroethane  
Concen: 1.59 ug/l  
RT: 5.804 min Scan# 1264  
Delta R.T. 0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

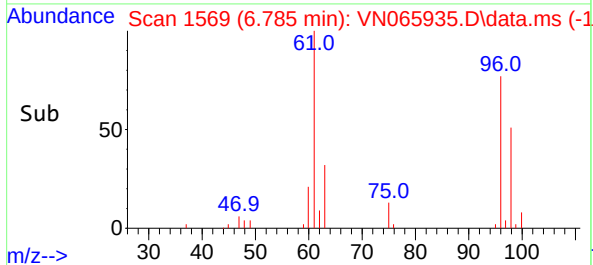
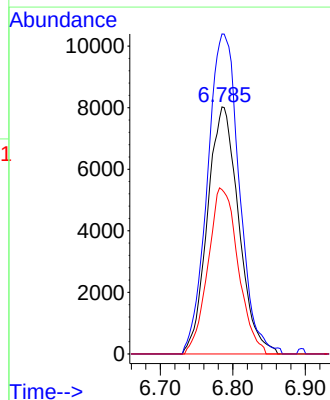
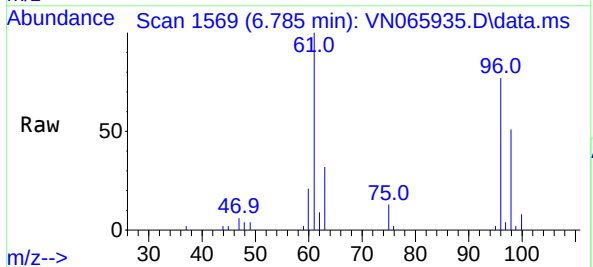
Instrument :  
MSVOA\_N  
ClientSampleId :  
GWBR3-95-113-021621

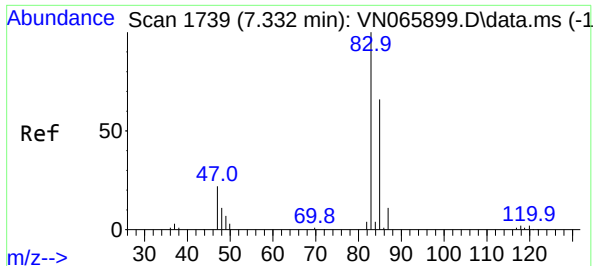
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 6186 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 98        | 8.1   | 3.5   | 10.4 |
| 100       | 0.0   | 2.3   | 6.9# |



#27  
cis-1,2-Dichloroethene  
Concen: 10.18 ug/l  
RT: 6.785 min Scan# 1569  
Delta R.T. 0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 24006 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 132.1 | 0.0   | 276.8 |
| 98        | 64.9  | 0.0   | 129.4 |



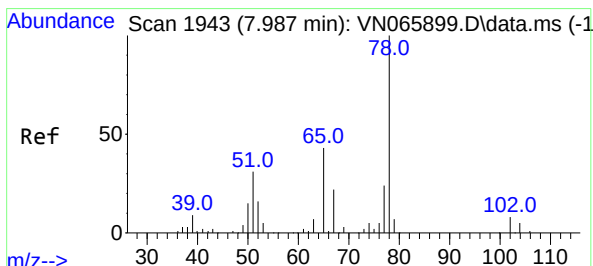
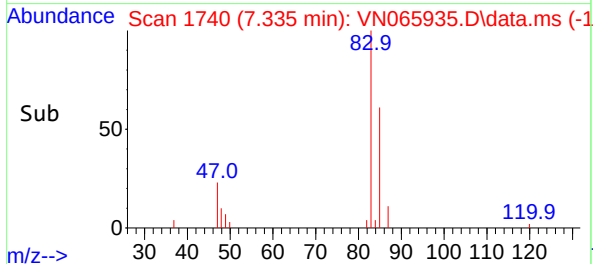
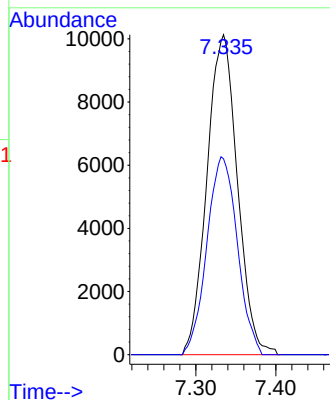
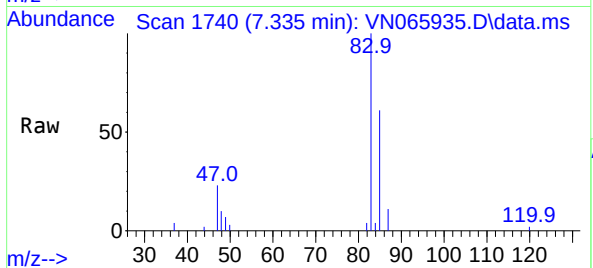


#30

Chloroform  
Concen: 6.99 ug/l  
RT: 7.335 min Scan# 1740  
Delta R.T. 0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
GWBR3-95-113-021621

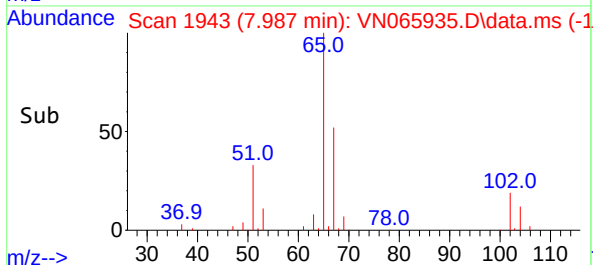
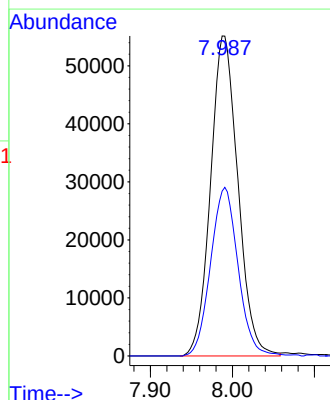
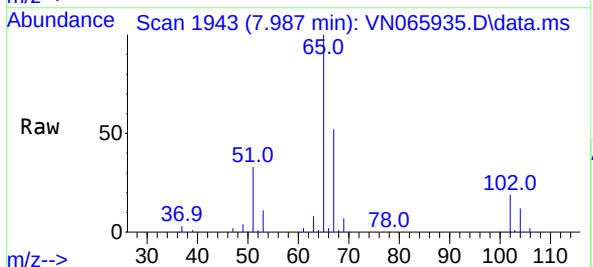
Tgt Ion: 83 Resp: 26862  
Ion Ratio Lower Upper  
83 100  
85 61.2 52.6 78.8

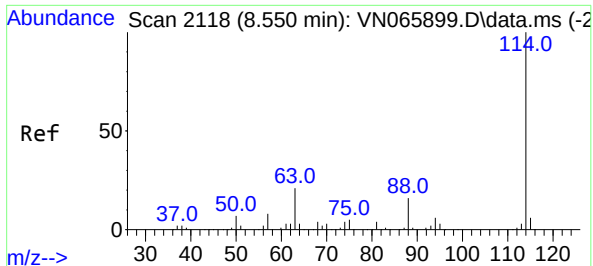


#33

1,2-Dichloroethane-d4  
Concen: 52.13 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

Tgt Ion: 65 Resp: 127901  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 107.2

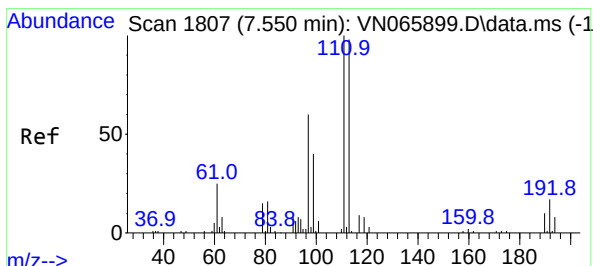
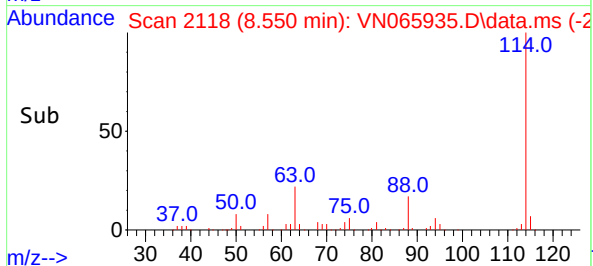
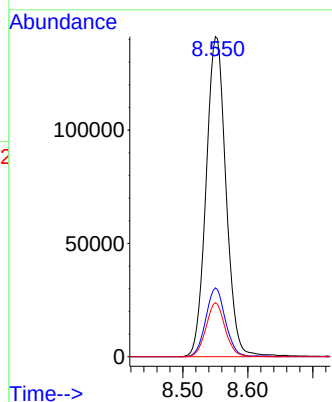
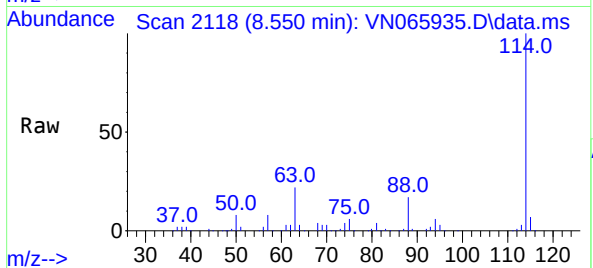




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

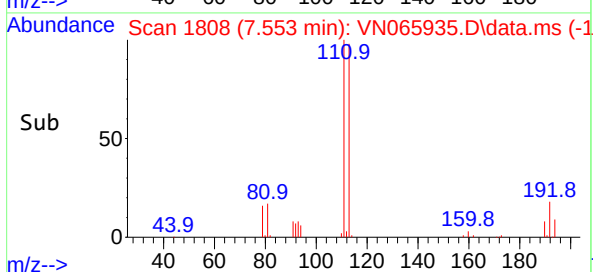
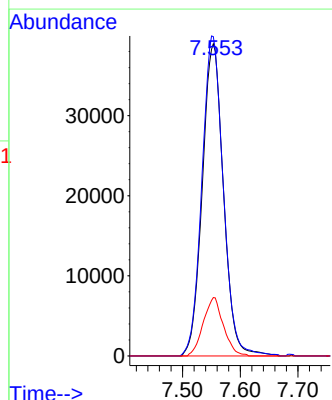
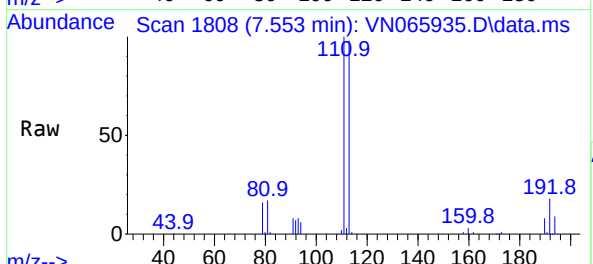
Instrument :  
MSVOA\_N  
ClientSampleId :  
GWBR3-95-113-021621

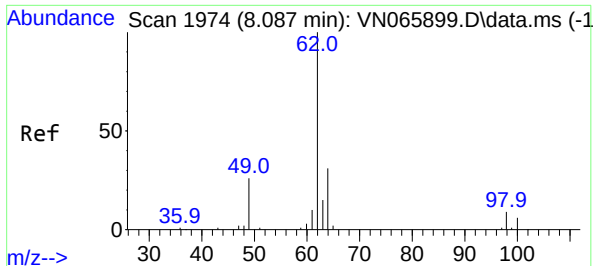
Tgt Ion:114 Resp: 300294  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 38.6  
88 16.8 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 53.38 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

Tgt Ion:113 Resp: 99212  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.2 123.2  
192 17.8 15.4 23.0



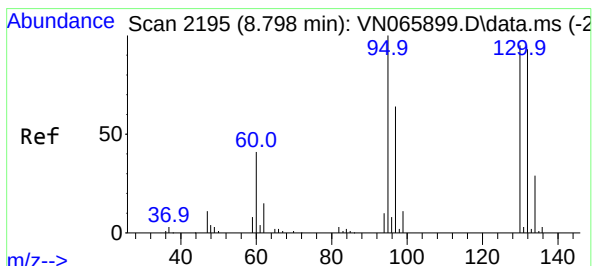
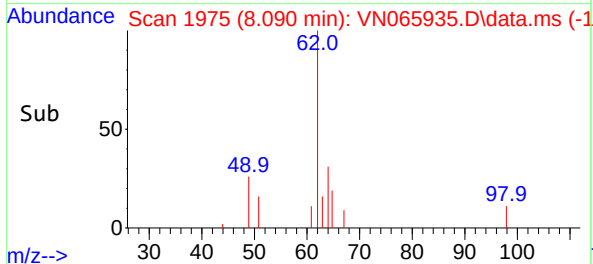
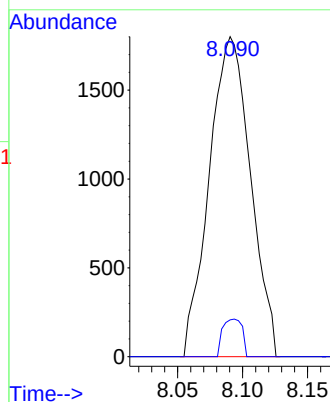
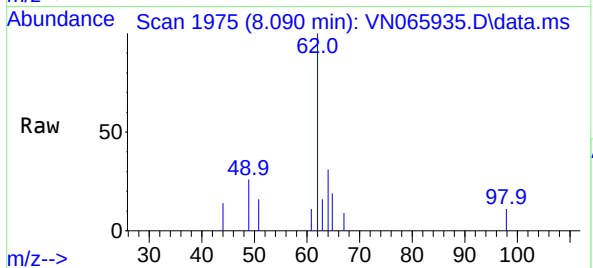


#42

1,2-Dichloroethane  
Concen: 1.33 ug/l  
RT: 8.090 min Scan# 1975  
Delta R.T. 0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
GWBR3-95-113-021621

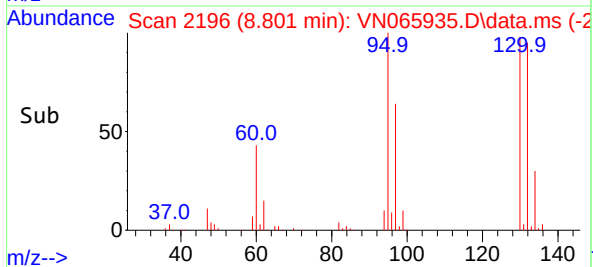
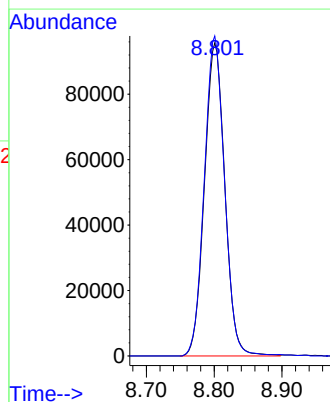
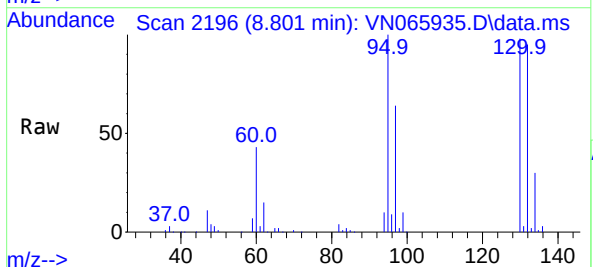
Tgt Ion: 62 Resp: 3980  
Ion Ratio Lower Upper  
62 100  
98 5.5 0.0 18.6



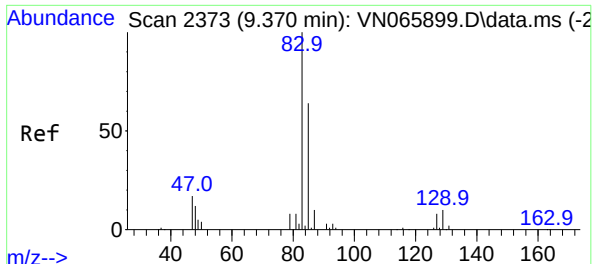
#44

Trichloroethene  
Concen: 88.73 ug/l  
RT: 8.801 min Scan# 2196  
Delta R.T. 0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

Tgt Ion: 130 Resp: 199364  
Ion Ratio Lower Upper  
130 100  
95 102.2 0.0 199.6



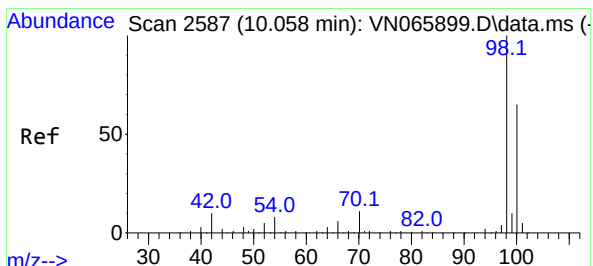
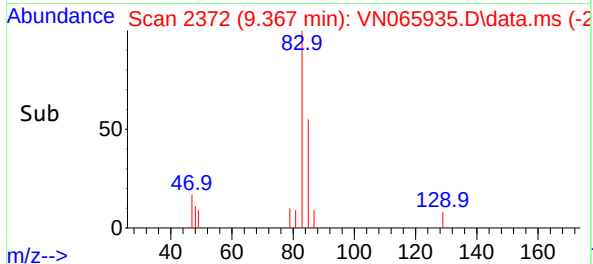
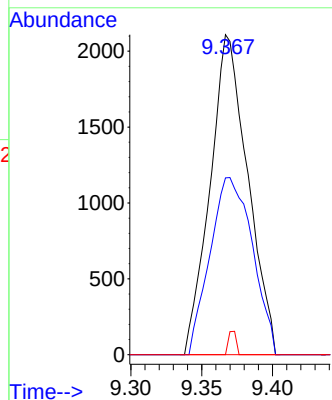
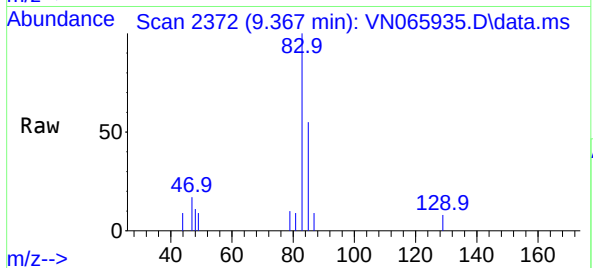




#47  
Bromodichloromethane  
Concen: 1.35 ug/l  
RT: 9.367 min Scan# 2372  
Delta R.T. -0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

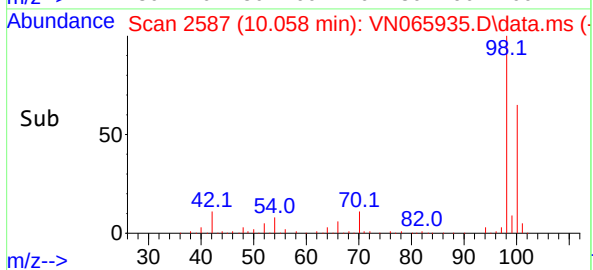
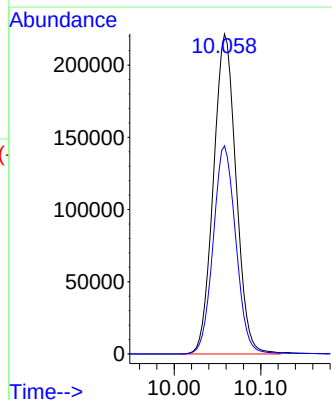
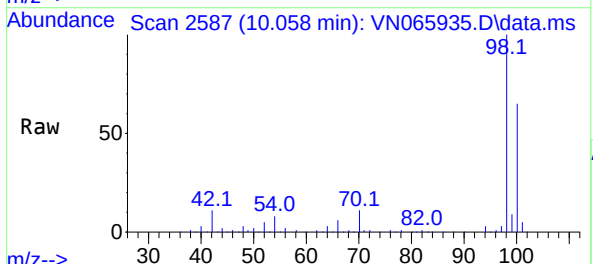
Instrument :  
MSVOA\_N  
ClientSampleId :  
GWBR3-95-113-021621

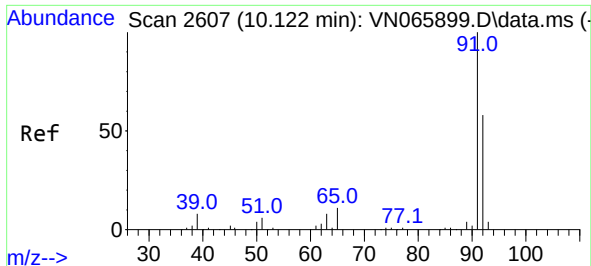
Tgt Ion: 83 Resp: 3900  
Ion Ratio Lower Upper  
83 100  
85 55.2 51.0 76.4  
127 0.0 7.0 10.6#



#50  
Toluene-d8  
Concen: 52.72 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

Tgt Ion: 98 Resp: 402172  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.5 75.7

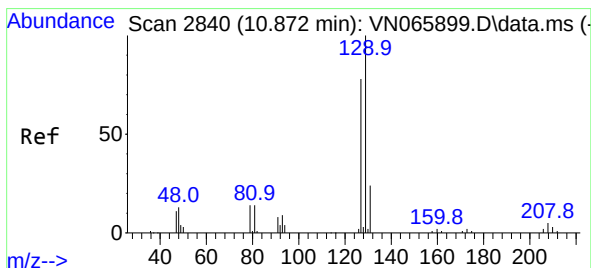
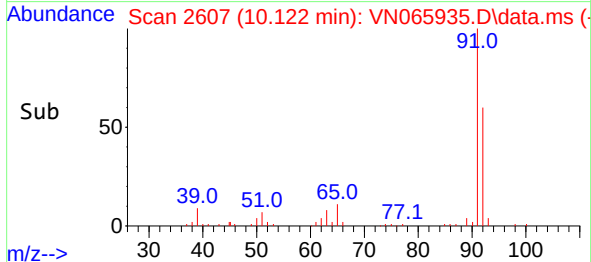
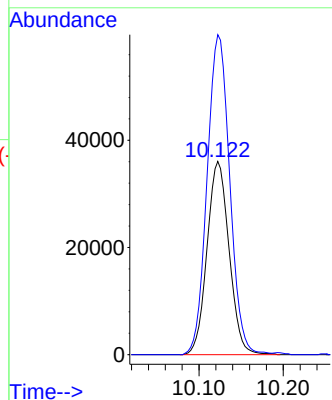
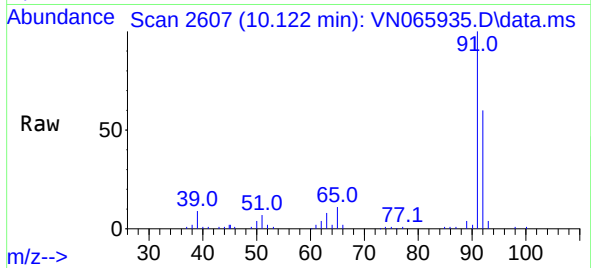




#52  
Toluene  
Concen: 11.77 ug/l  
RT: 10.122 min Scan# 2607  
Delta R.T. 0.000 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

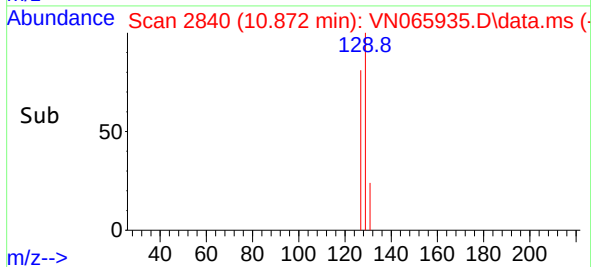
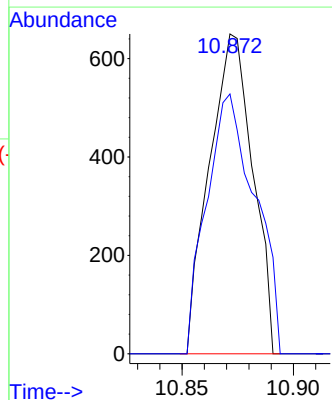
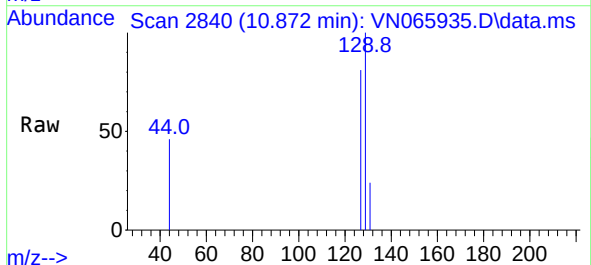
Instrument :  
MSVOA\_N  
ClientSampleId :  
GWBR3-95-113-021621

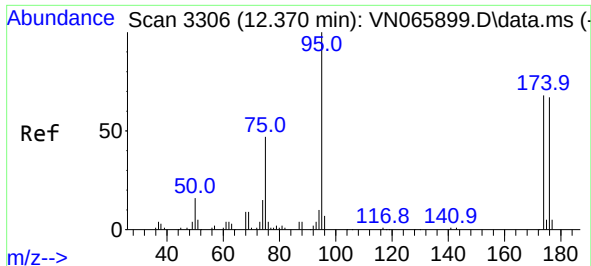
Tgt Ion: 92 Resp: 65693  
Ion Ratio Lower Upper  
92 100  
91 169.9 140.7 211.1



#60  
Dibromochloromethane  
Concen: 0.41 ug/l  
RT: 10.872 min Scan# 2840  
Delta R.T. -0.000 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

Tgt Ion: 129 Resp: 881  
Ion Ratio Lower Upper  
129 100  
127 90.9 38.5 115.5

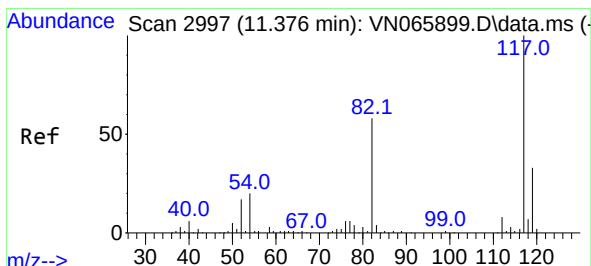
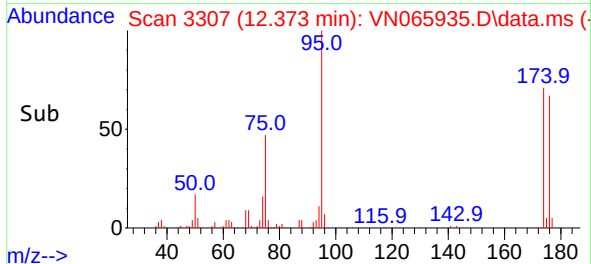
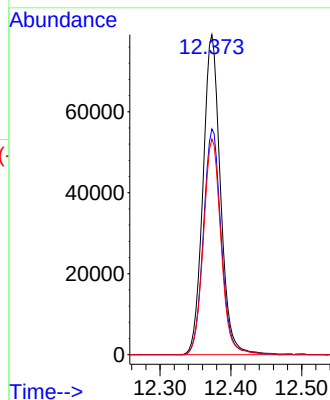
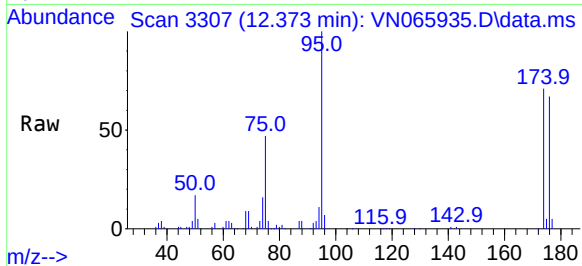




#62  
4-Bromofluorobenzene  
Concen: 47.28 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

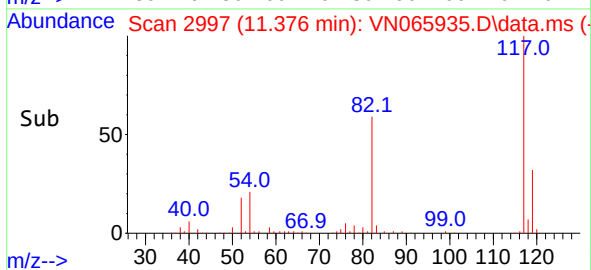
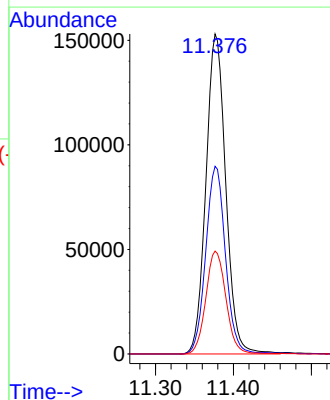
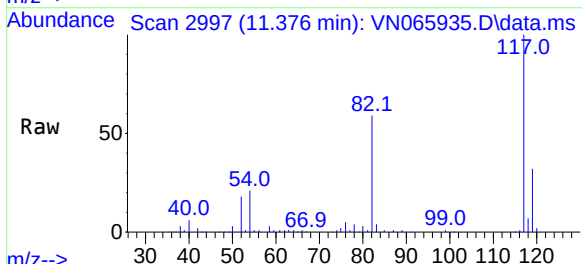
Instrument :  
MSVOA\_N  
ClientSampleId :  
GWBR3-95-113-021621

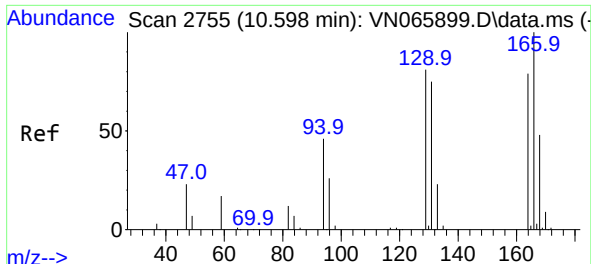
Tgt Ion: 95 Resp: 135401  
Ion Ratio Lower Upper  
95 100  
174 71.8 0.0 169.0  
176 68.1 0.0 162.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

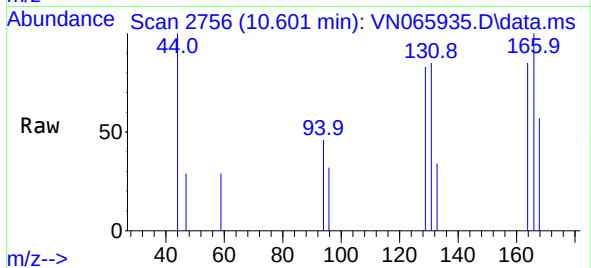
Tgt Ion: 117 Resp: 270470  
Ion Ratio Lower Upper  
117 100  
82 58.7 43.7 65.5  
119 32.2 26.1 39.1



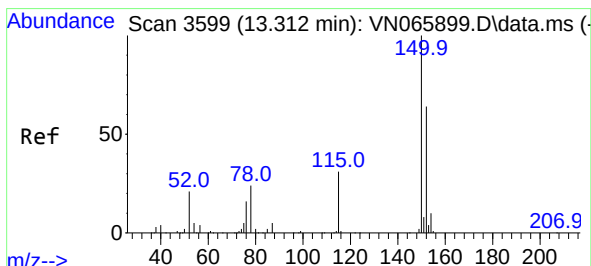
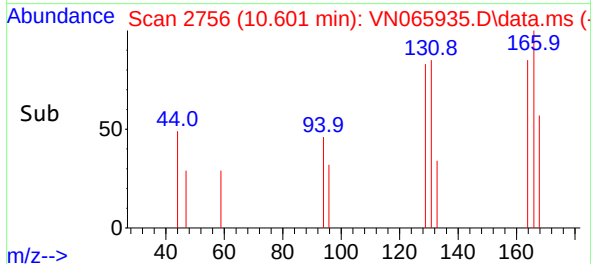
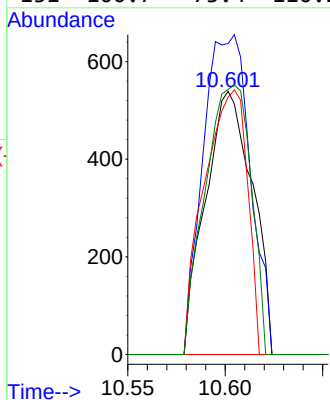


#64  
Tetrachloroethene  
Concen: 0.43 ug/l  
RT: 10.601 min Scan# 2756  
Delta R.T. 0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54

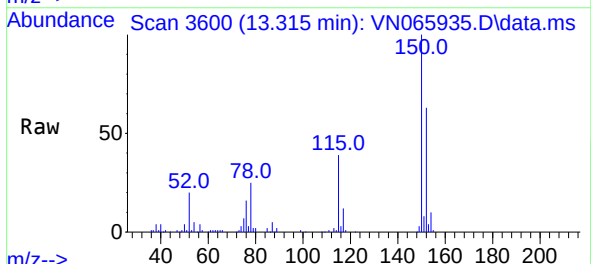
Instrument :  
MSVOA\_N  
ClientSampleId :  
GWBR3-95-113-021621



Tgt Ion:164 Resp: 904  
Ion Ratio Lower Upper  
164 100  
166 118.2 102.6 154.0  
129 97.8 76.2 114.4  
131 100.7 73.4 110.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN065935.D  
Acq: 18 Feb 2021 12:54



Tgt Ion:152 Resp: 97803  
Ion Ratio Lower Upper  
152 100  
115 62.1 28.5 85.6  
150 158.5 0.0 347.6

