

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070721\  
 Data File : VX023181.D  
 Acq On : 07 Jul 2021 18:37  
 Operator : JC/MD  
 Sample : M2953-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GW-BR3-070621

Quant Time: Jul 08 03:23:20 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 02 14:29:42 2021  
 Response via : Initial Calibration

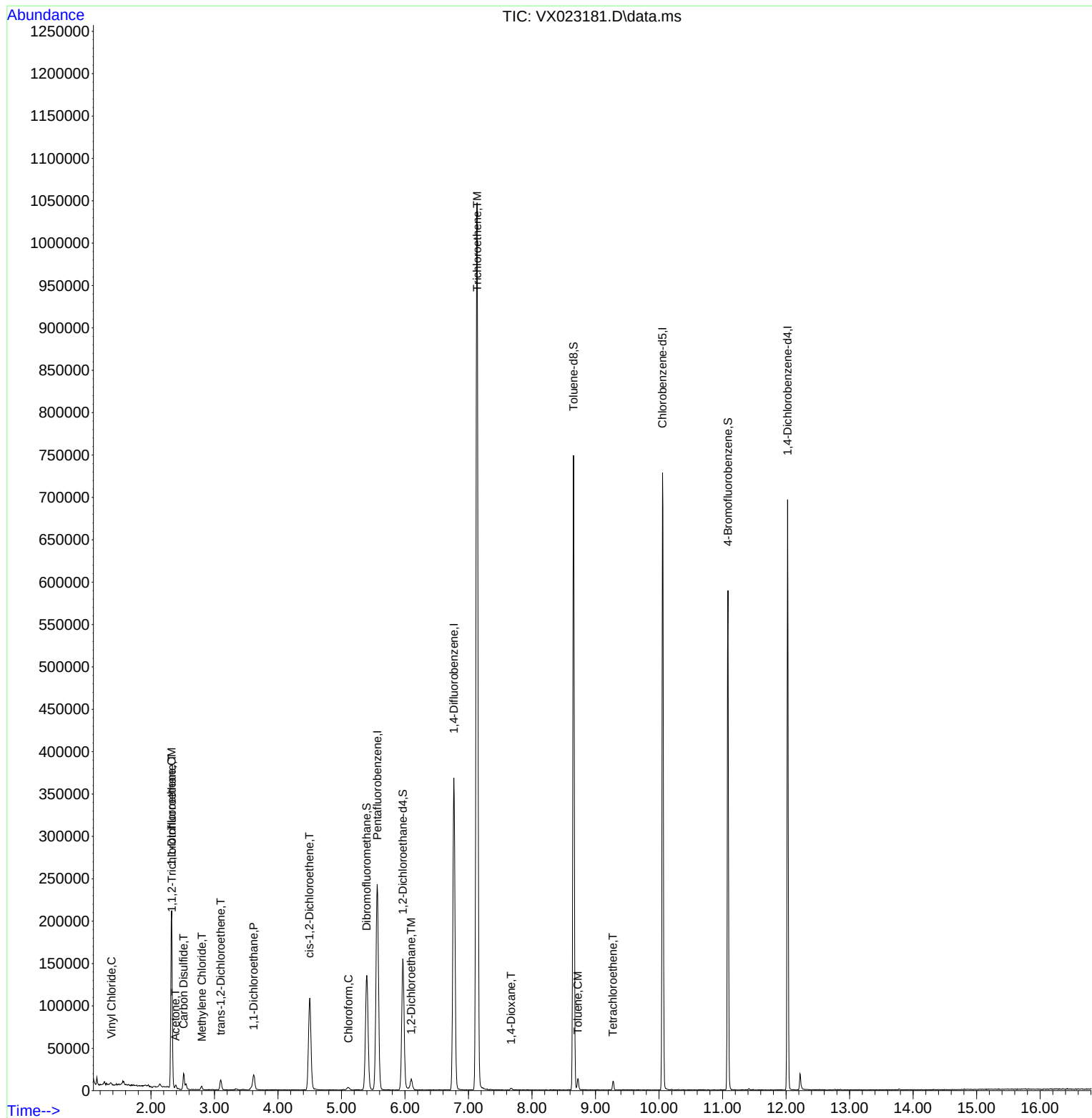
| Compound                     | R.T.   | QIon           | Response | Conc    | Units    | Dev(Min) |
|------------------------------|--------|----------------|----------|---------|----------|----------|
| -----                        |        |                |          |         |          |          |
| Internal Standards           |        |                |          |         |          |          |
| 1) Pentafluorobenzene        | 5.562  | 168            | 222043   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114            | 365486   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117            | 324921   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152            | 135580   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds  |        |                |          |         |          |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65             | 156169   | 52.331  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 78 - 117 | Recovery | =       | 104.660% |          |
| 35) Dibromofluoromethane     | 5.397  | 113            | 116861   | 49.514  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 75 - 124 | Recovery | =       | 99.020%  |          |
| 50) Toluene-d8               | 8.653  | 98             | 431429   | 49.004  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 92 - 112 | Recovery | =       | 98.000%  |          |
| 62) 4-Bromofluorobenzene     | 11.085 | 95             | 155468   | 45.742  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 83 - 123 | Recovery | =       | 91.480%  |          |
| Target Compounds             |        |                |          |         |          |          |
|                              |        |                |          |         | Qvalue   |          |
| 4) Vinyl Chloride            | 1.380  | 62             | 837      | 0.397   | ug/l #   | 79       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101            | 1380     | 0.643   | ug/l     | 91       |
| 12) 1,1-Dichloroethene       | 2.325  | 96             | 68403    | 34.559  | ug/l     | 93       |
| 16) Acetone                  | 2.386  | 43             | 5507     | 4.664   | ug/l #   | 84       |
| 17) Carbon Disulfide         | 2.514  | 76             | 22580    | 5.409   | ug/l     | 99       |
| 20) Methylene Chloride       | 2.800  | 84             | 1734     | 0.682   | ug/l     | 86       |
| 21) trans-1,2-Dichloroethene | 3.099  | 96             | 4717     | 2.207   | ug/l     | 97       |
| 24) 1,1-Dichloroethane       | 3.617  | 63             | 19209    | 4.688   | ug/l     | 98       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96             | 67969    | 26.251  | ug/l     | 93       |
| 30) Chloroform               | 5.111  | 83             | 3462     | 0.782   | ug/l     | 99       |
| 42) 1,2-Dichloroethane       | 6.099  | 62             | 13495    | 3.550   | ug/l     | 95       |
| 44) Trichloroethene          | 7.135  | 130            | 401143   | 149.484 | ug/l     | 98       |
| 49) 1,4-Dioxane              | 7.671  | 88             | 1396     | 21.382  | ug/l #   | 90       |
| 52) Toluene                  | 8.720  | 92             | 4701     | 0.768   | ug/l     | 100      |
| 64) Tetrachloroethene        | 9.275  | 164            | 1922     | 0.742   | ug/l     | 86       |
| -----                        |        |                |          |         |          |          |

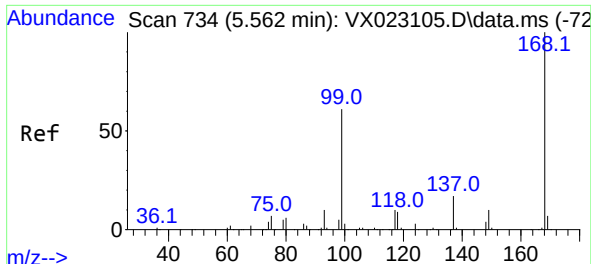
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-BR3-070621

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 02 14:29:42 2021  
Response via : Initial Calibration

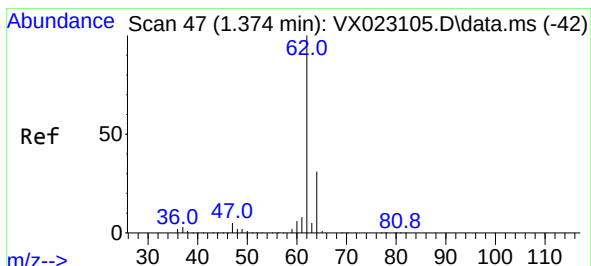
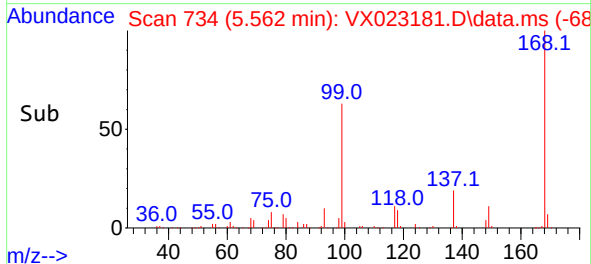
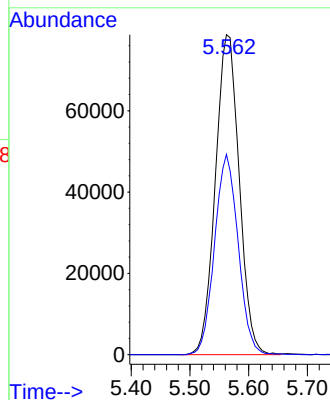
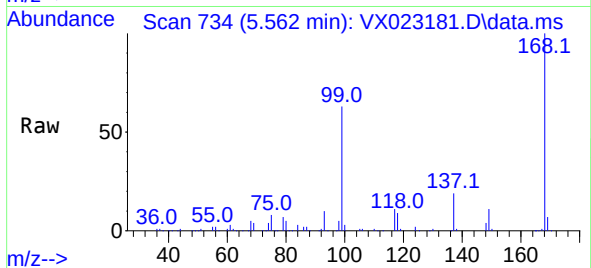




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

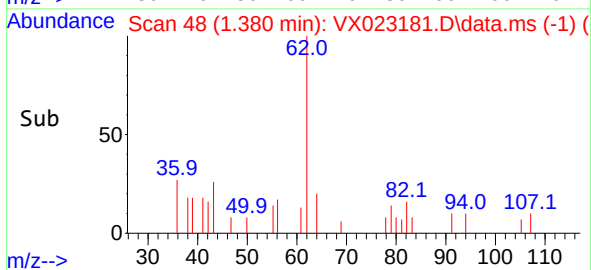
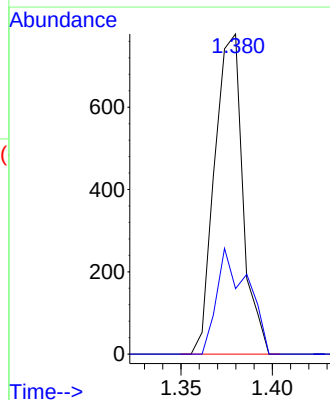
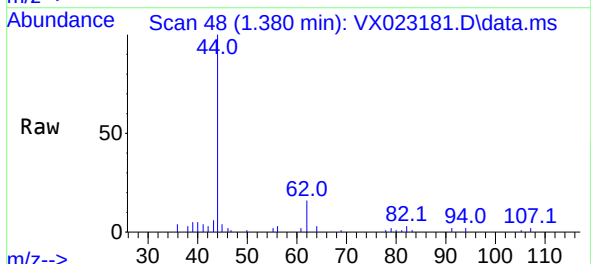
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-BR3-070621

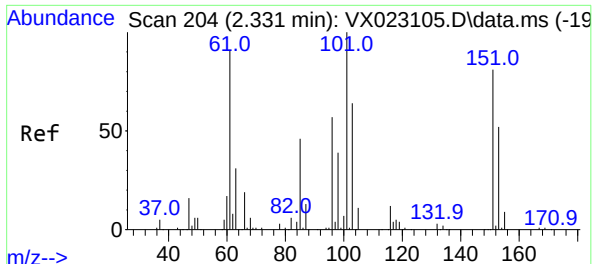
Tgt Ion:168 Resp: 222043  
Ion Ratio Lower Upper  
168 100  
99 62.6 45.8 68.6



#4  
Vinyl Chloride  
Concen: 0.397 ug/l  
RT: 1.380 min Scan# 48  
Delta R.T. 0.006 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Tgt Ion: 62 Resp: 837  
Ion Ratio Lower Upper  
62 100  
64 20.4 25.7 38.5#

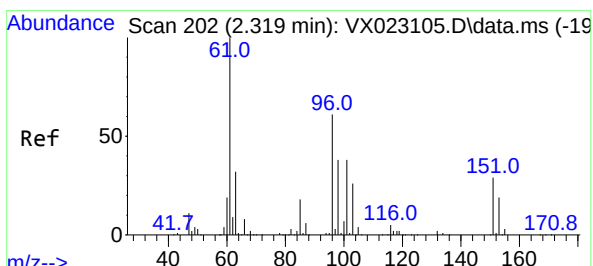
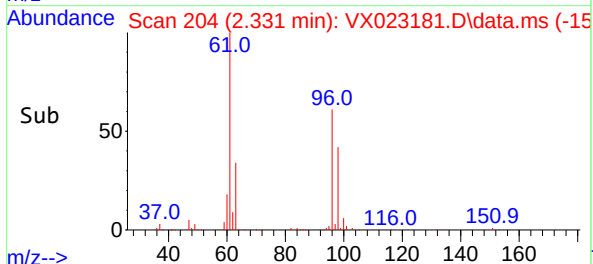
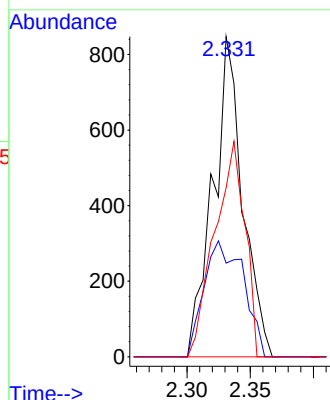
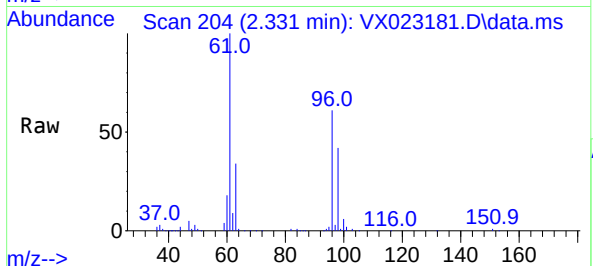




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.643 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

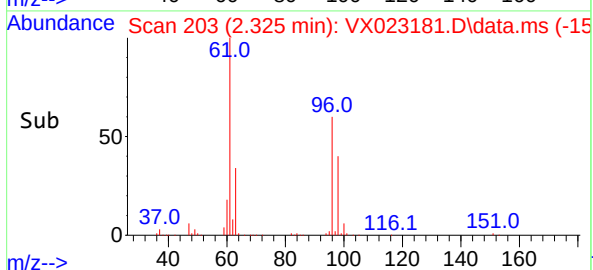
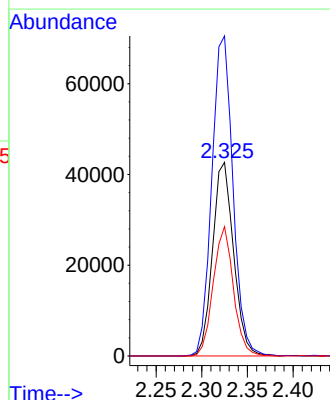
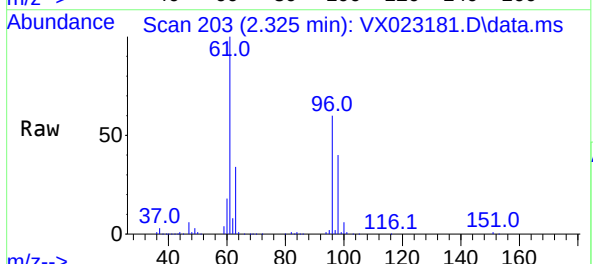
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-BR3-070621

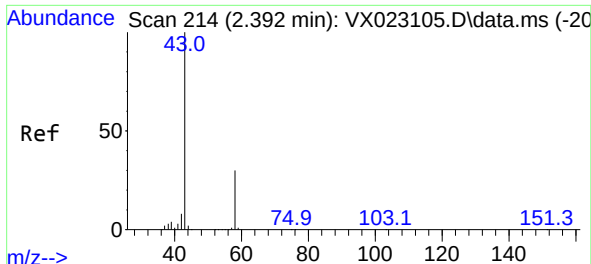
Tgt Ion:101 Resp: 1380  
Ion Ratio Lower Upper  
101 100  
85 48.1 34.9 52.3  
151 68.6 61.4 92.2



#12  
1,1-Dichloroethene  
Concen: 34.559 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Tgt Ion: 96 Resp: 68403  
Ion Ratio Lower Upper  
96 100  
61 165.3 124.6 187.0  
98 66.8 50.6 76.0

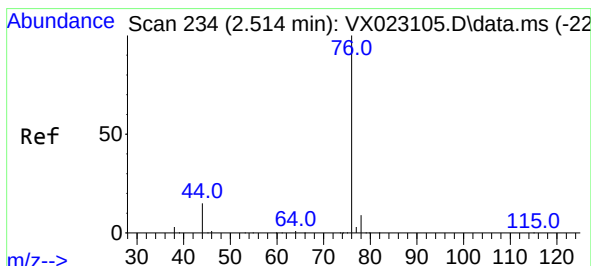
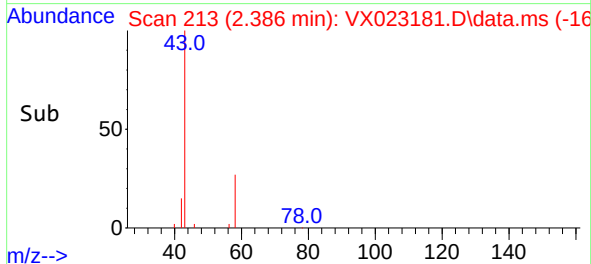
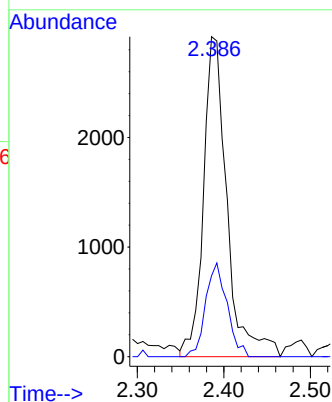
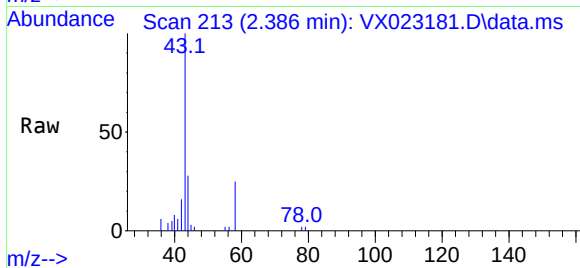




#16  
Acetone  
Concen: 4.664 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

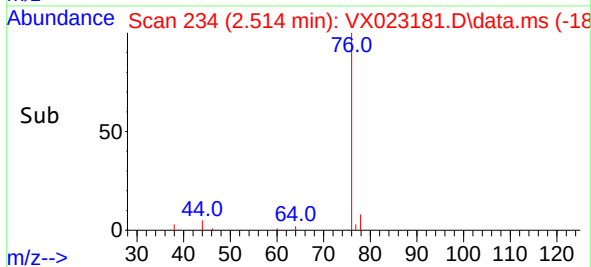
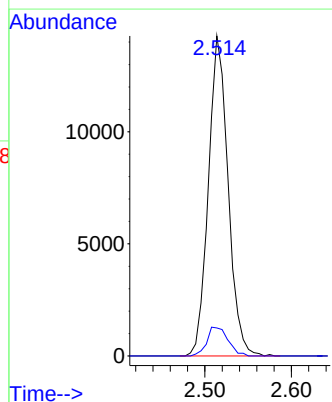
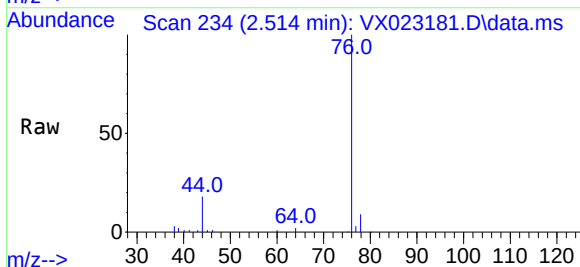
Instrument :  
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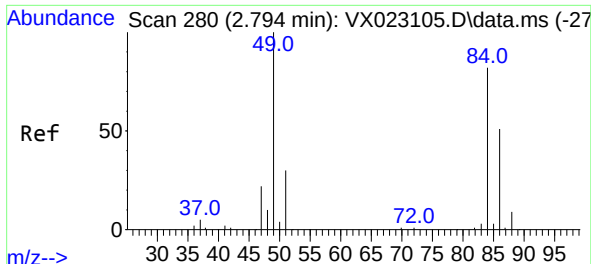
Tgt Ion: 43 Resp: 5507  
Ion Ratio Lower Upper  
43 100  
58 25.3 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 5.409 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Tgt Ion: 76 Resp: 22580  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.2 10.8



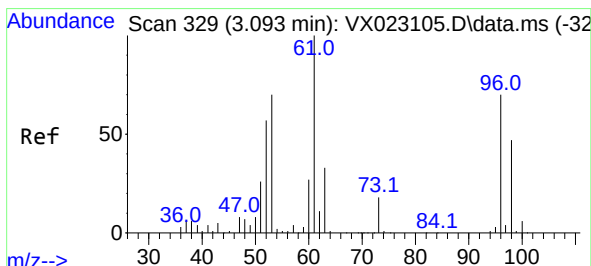
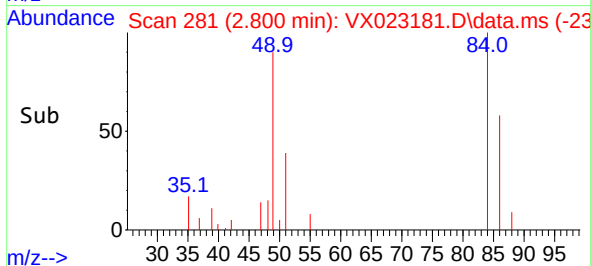
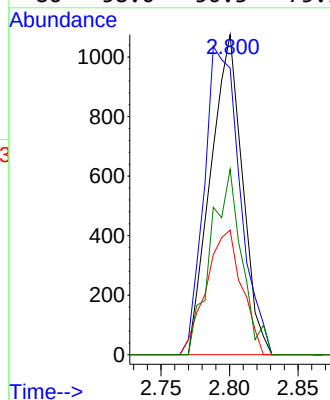
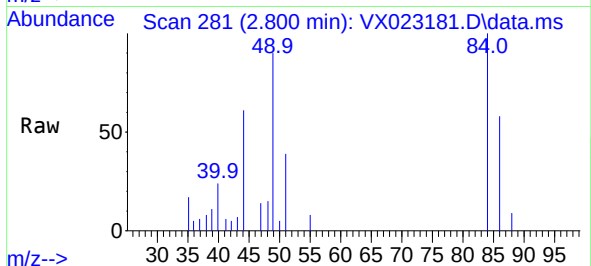


#20  
Methylene Chloride  
Concen: 0.682 ug/l  
RT: 2.800 min Scan# 281  
Delta R.T. 0.006 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-BR3-070621

Tgt Ion: 84 Resp: 1734

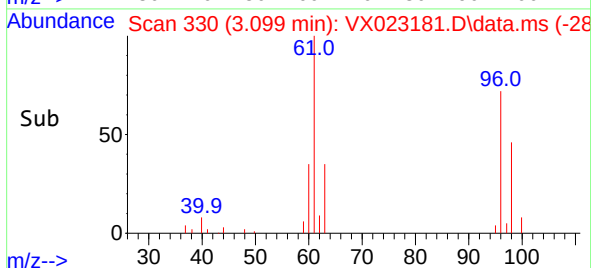
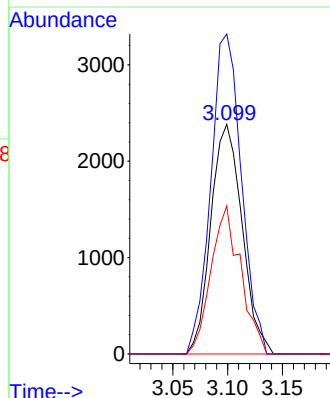
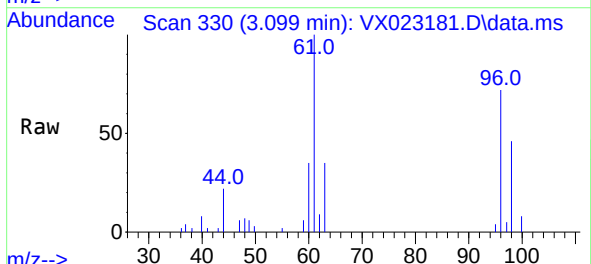
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 89.6  | 88.6  | 132.8 |
| 51  | 39.0  | 27.0  | 40.6  |
| 86  | 58.0  | 50.3  | 75.5  |

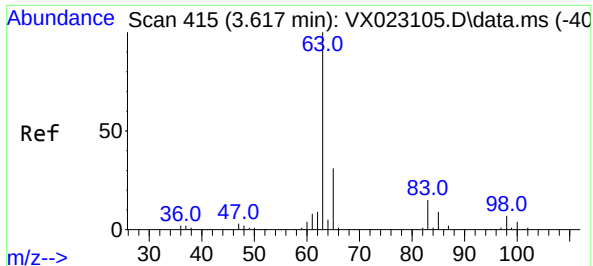


#21  
trans-1,2-Dichloroethene  
Concen: 2.207 ug/l  
RT: 3.099 min Scan# 330  
Delta R.T. 0.006 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Tgt Ion: 96 Resp: 4717

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 139.4 | 107.7 | 161.5 |
| 98  | 64.4  | 50.4  | 75.6  |

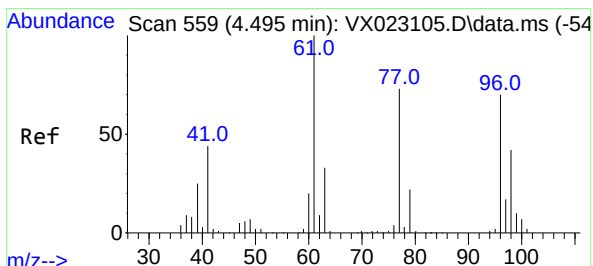
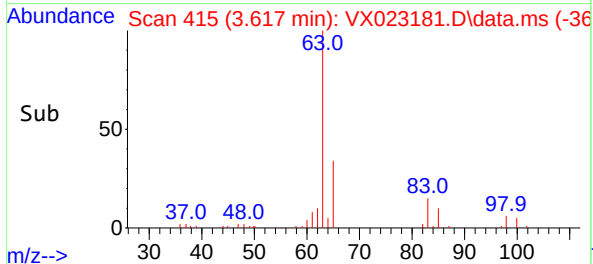
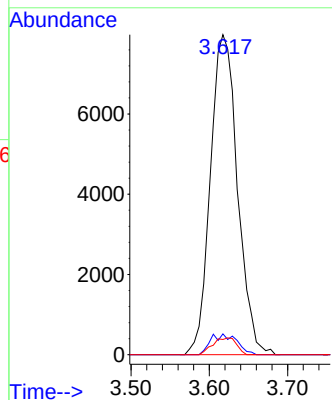
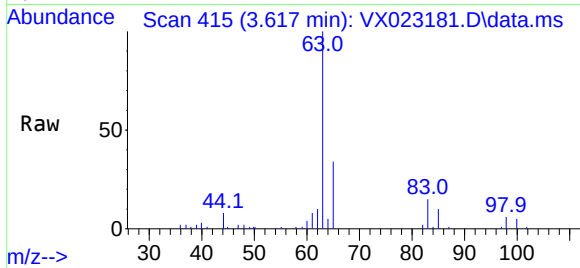




#24  
1,1-Dichloroethane  
Concen: 4.688 ug/l  
RT: 3.617 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

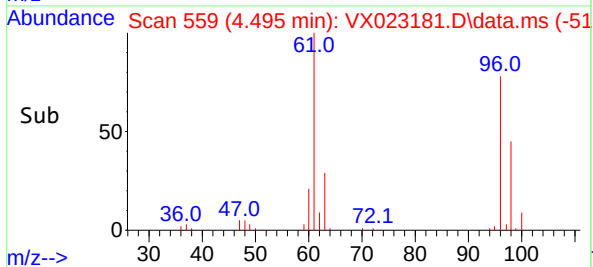
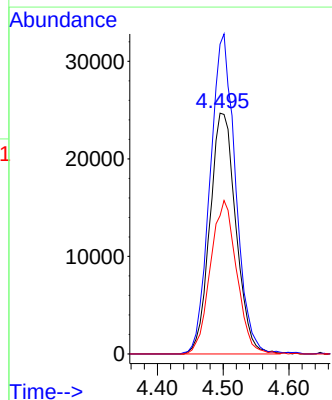
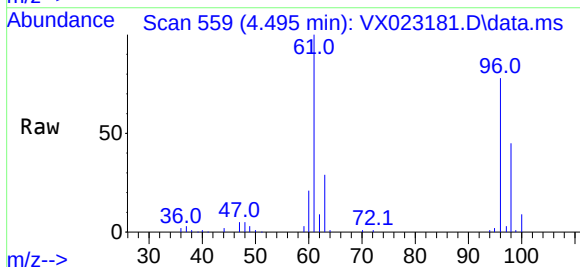
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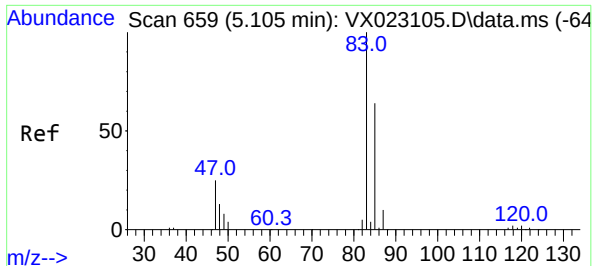
Tgt Ion: 63 Resp: 19209  
Ion Ratio Lower Upper  
63 100  
98 6.5 3.8 11.2  
100 4.7 2.5 7.5



#27  
cis-1,2-Dichloroethene  
Concen: 26.251 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.000 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Tgt Ion: 96 Resp: 67969  
Ion Ratio Lower Upper  
96 100  
61 129.8 0.0 285.6  
98 64.3 0.0 129.6

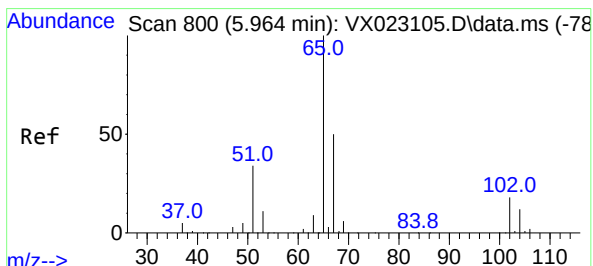
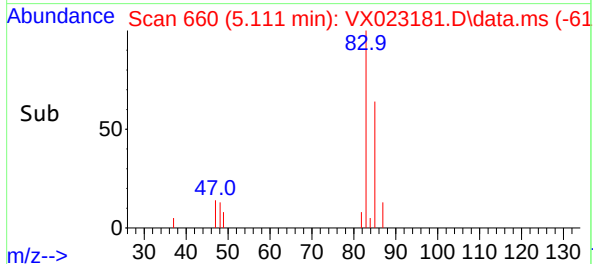
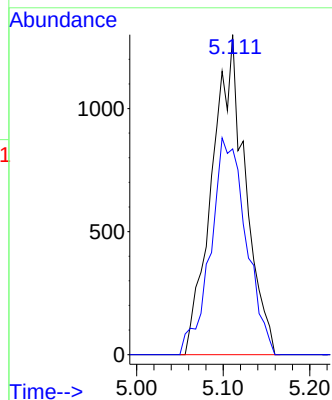
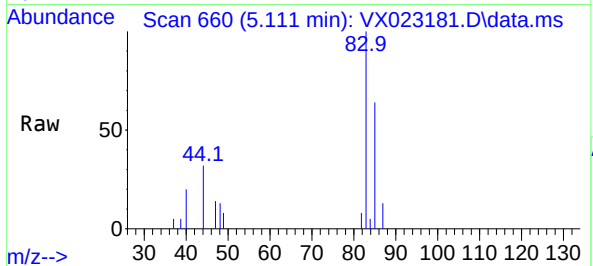




#30  
Chloroform  
Concen: 0.782 ug/l  
RT: 5.111 min Scan# 660  
Delta R.T. 0.006 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

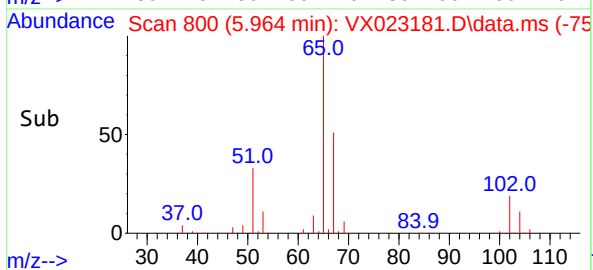
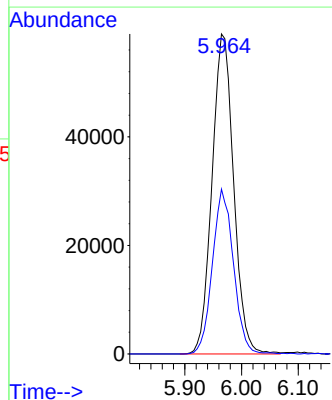
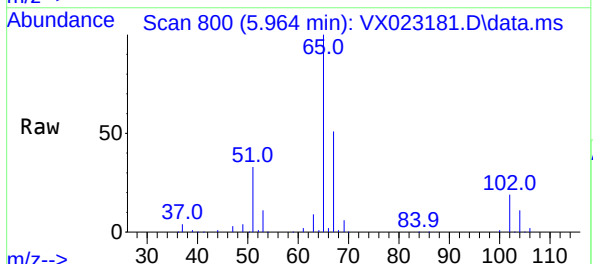
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-BR3-070621

Tgt Ion: 83 Resp: 3462  
Ion Ratio Lower Upper  
83 100  
85 64.3 52.0 78.0

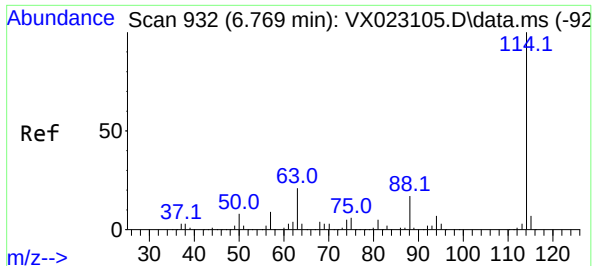


#33  
1,2-Dichloroethane-d4  
Concen: 52.331 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Tgt Ion: 65 Resp: 156169  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 105.4



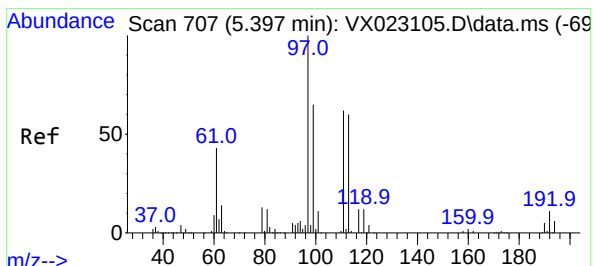
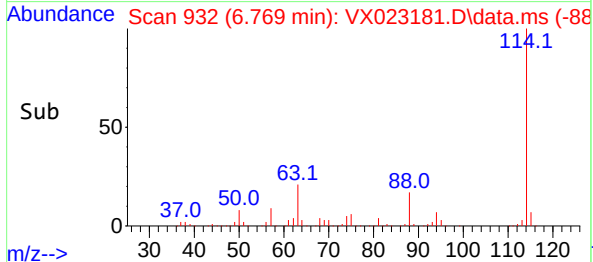
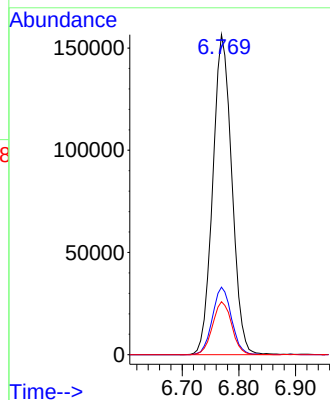
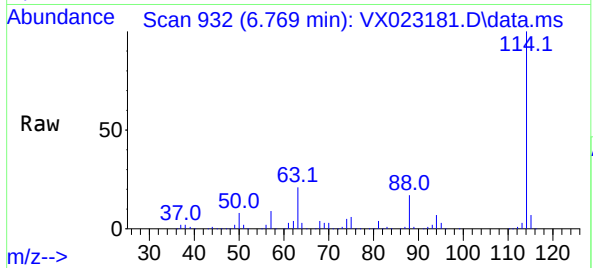




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

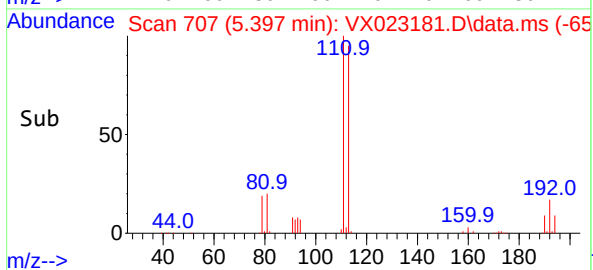
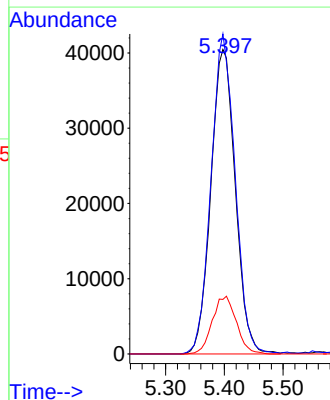
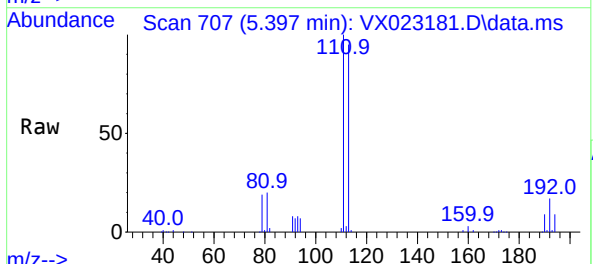
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-BR3-070621

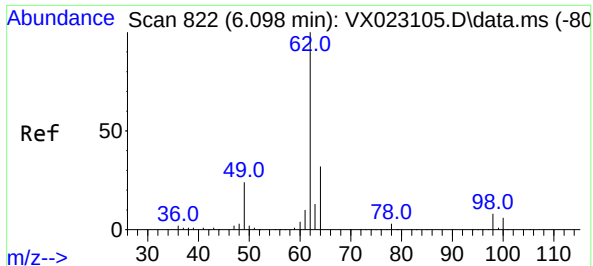
Tgt Ion:114 Resp: 365486  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 40.8  
88 16.5 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 49.514 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Tgt Ion:113 Resp: 116861  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.9 122.9  
192 18.7 16.7 25.1

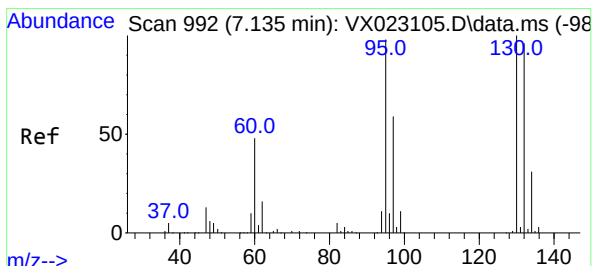
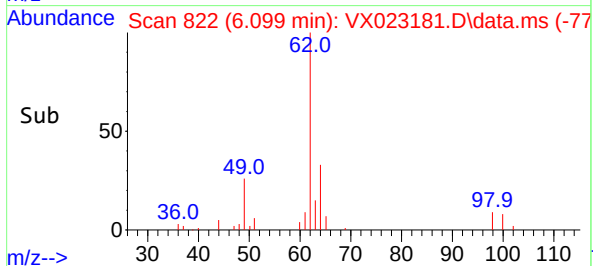
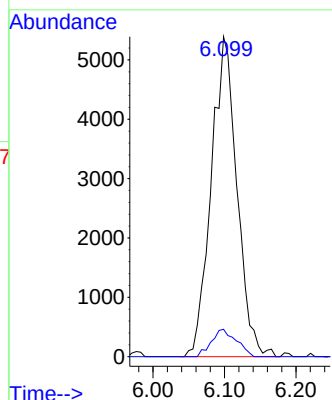
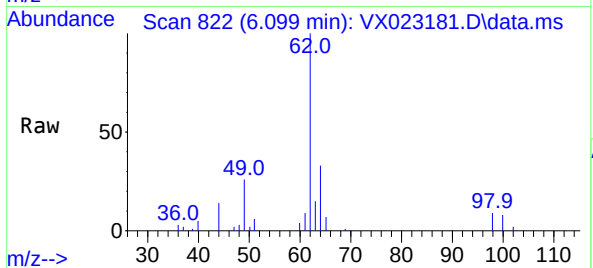




#42  
1,2-Dichloroethane  
Concen: 3.550 ug/l  
RT: 6.099 min Scan# 822  
Delta R.T. 0.001 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

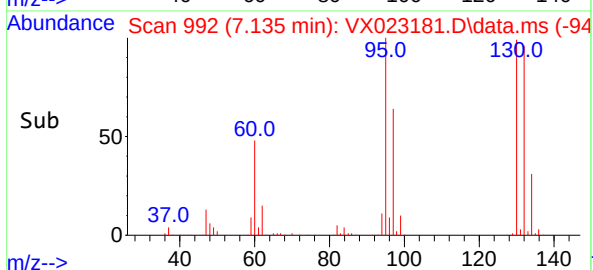
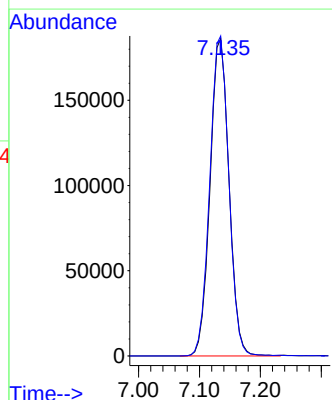
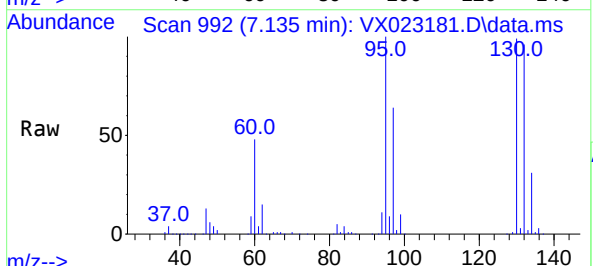
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-BR3-070621

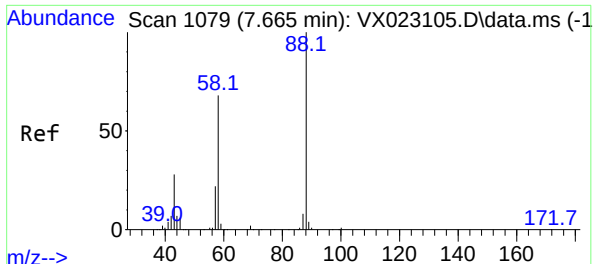
Tgt Ion: 62 Resp: 13495  
Ion Ratio Lower Upper  
62 100  
98 8.3 0.0 20.2



#44  
Trichloroethene  
Concen: 149.484 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Tgt Ion:130 Resp: 401143  
Ion Ratio Lower Upper  
130 100  
95 100.8 0.0 198.0

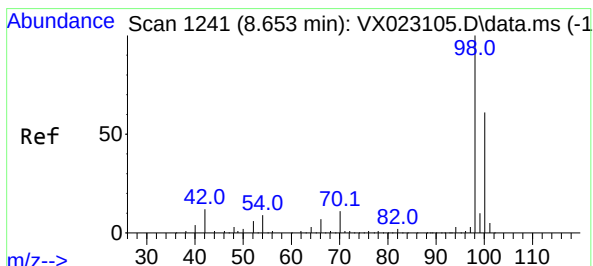
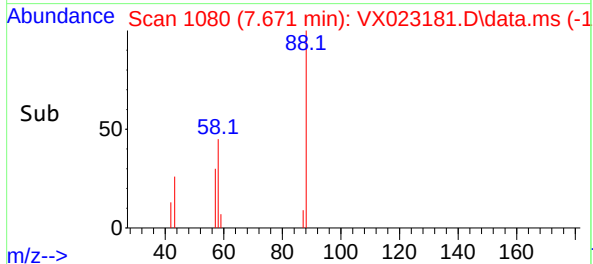
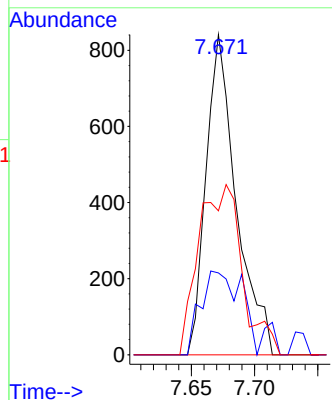
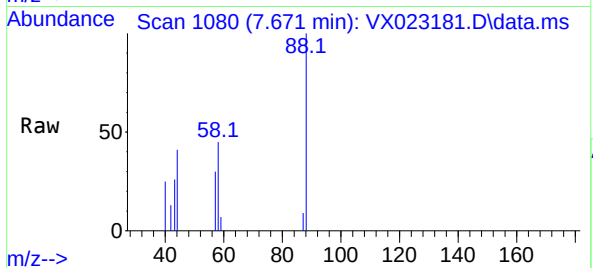




#49  
1,4-Dioxane  
Concen: 21.382 ug/l  
RT: 7.671 min Scan# 1080  
Delta R.T. 0.006 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

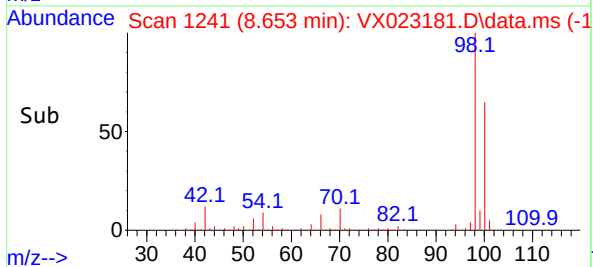
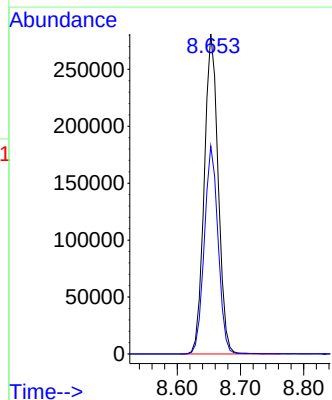
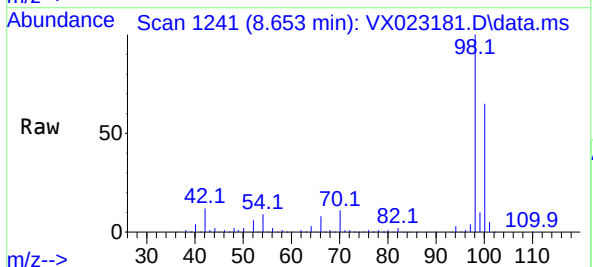
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-BR3-070621

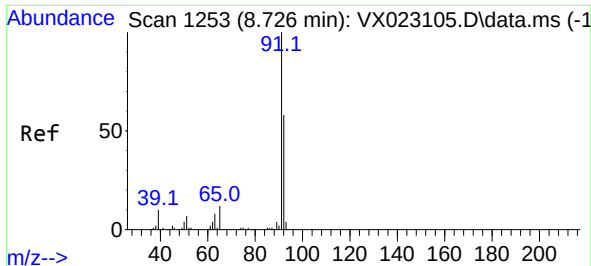
Tgt Ion: 88 Resp: 1396  
Ion Ratio Lower Upper  
88 100  
43 35.4 23.2 34.8#  
58 76.4 55.0 82.4



#50  
Toluene-d8  
Concen: 49.004 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Tgt Ion: 98 Resp: 431429  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.9 77.9

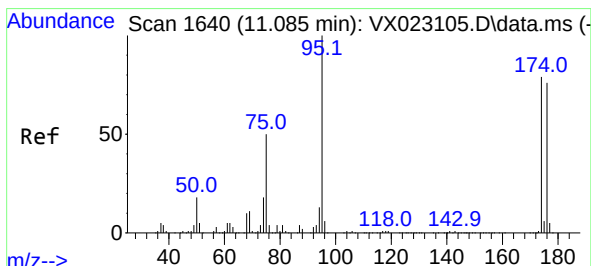
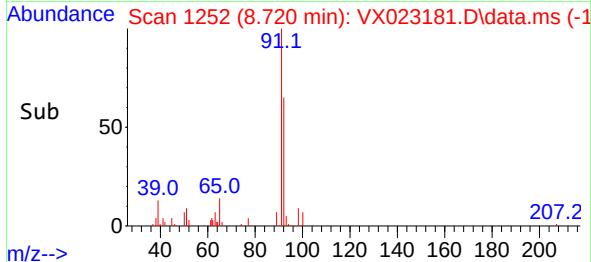
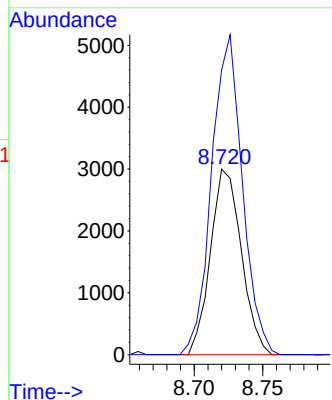
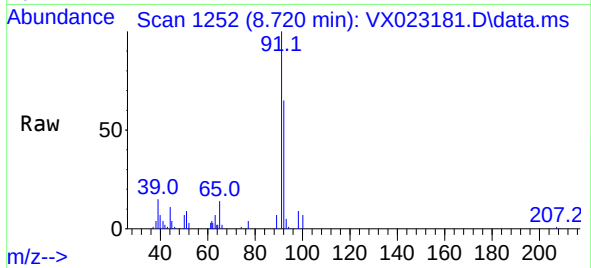




#52  
Toluene  
Concen: 0.768 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.006 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

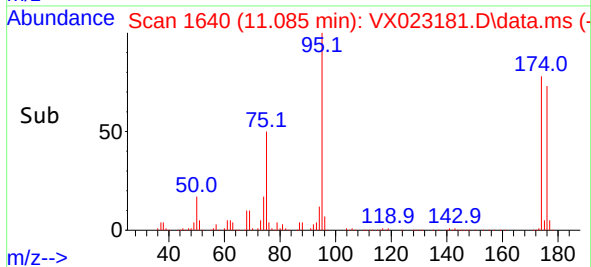
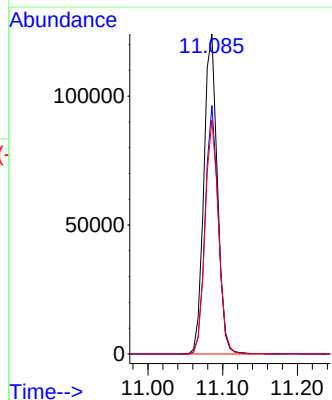
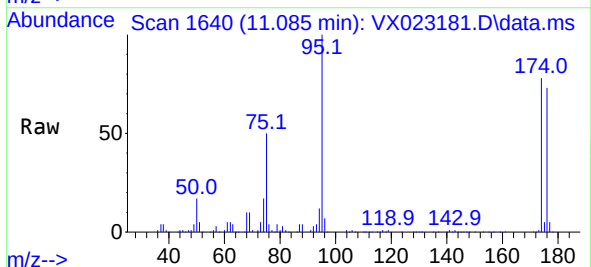
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-BR3-070621

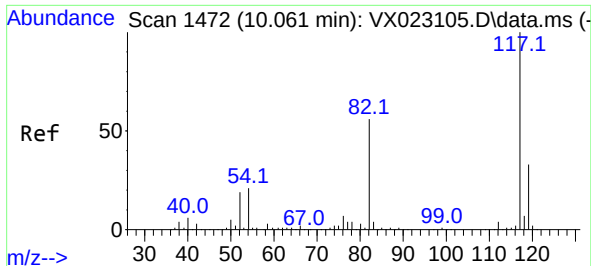
Tgt Ion: 92 Resp: 4701  
Ion Ratio Lower Upper  
92 100  
91 171.9 137.1 205.7



#62  
4-Bromofluorobenzene  
Concen: 45.742 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Tgt Ion: 95 Resp: 155468  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 154.6  
176 72.6 0.0 155.8

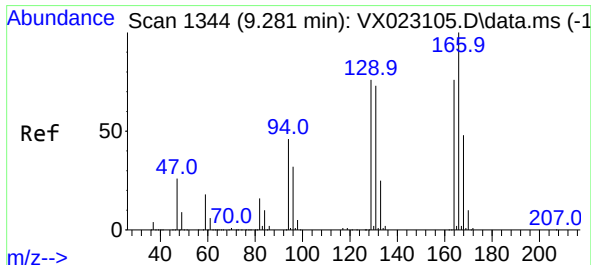
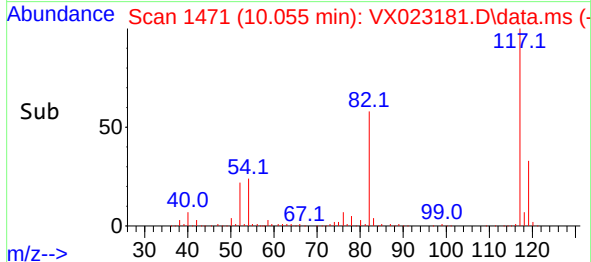
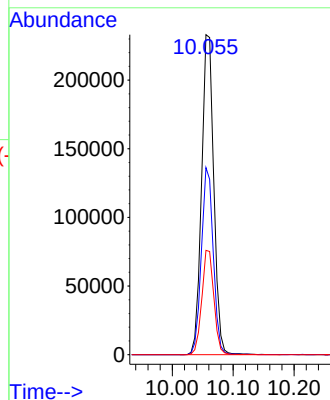
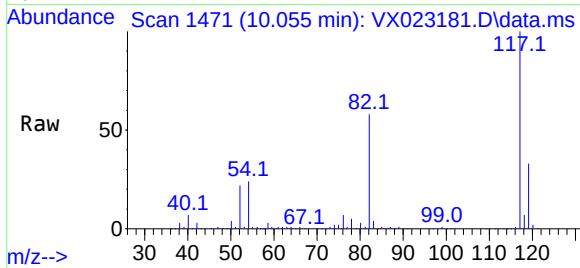




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

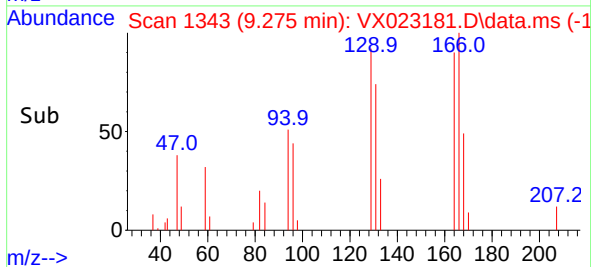
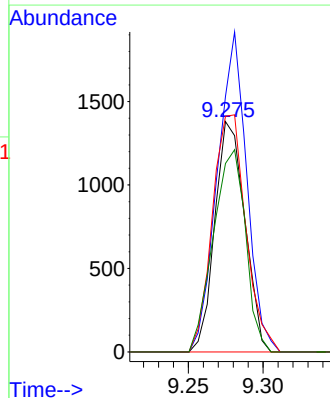
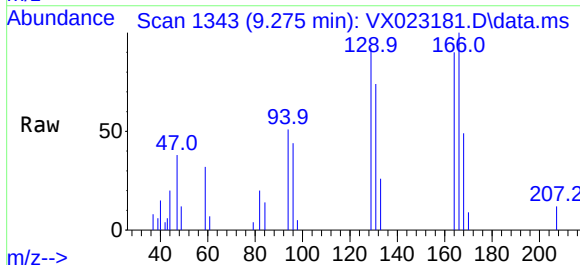
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-BR3-070621

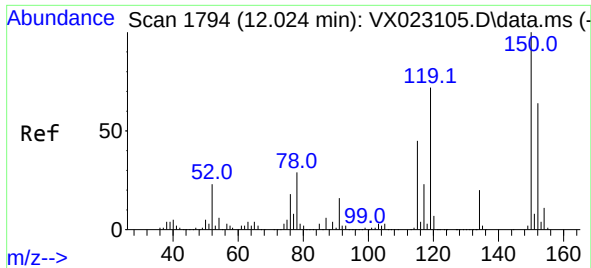
Tgt Ion:117 Resp: 324921  
Ion Ratio Lower Upper  
117 100  
82 58.5 47.4 71.2  
119 32.6 26.6 39.8



#64  
Tetrachloroethene  
Concen: 0.742 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.006 min  
Lab File: VX023181.D  
Acq: 07 Jul 2021 18:37

Tgt Ion:164 Resp: 1922  
Ion Ratio Lower Upper  
164 100  
166 110.9 103.4 155.2  
129 102.3 70.8 106.2  
131 81.8 72.5 108.7





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX023181.D  
 Acq: 07 Jul 2021 18:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GW-BR3-070621

Tgt Ion:152 Resp: 135580  
 Ion Ratio Lower Upper  
 152 100  
 115 62.3 41.1 123.3  
 150 156.8 0.0 349.0

