

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100521\  
 Data File : VX024594.D  
 Acq On : 06 Oct 2021 01:25  
 Operator : JC/MD  
 Sample : M4028-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GW-4

Quant Time: Oct 06 06:53:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 18:24:34 2021  
 Response via : Initial Calibration

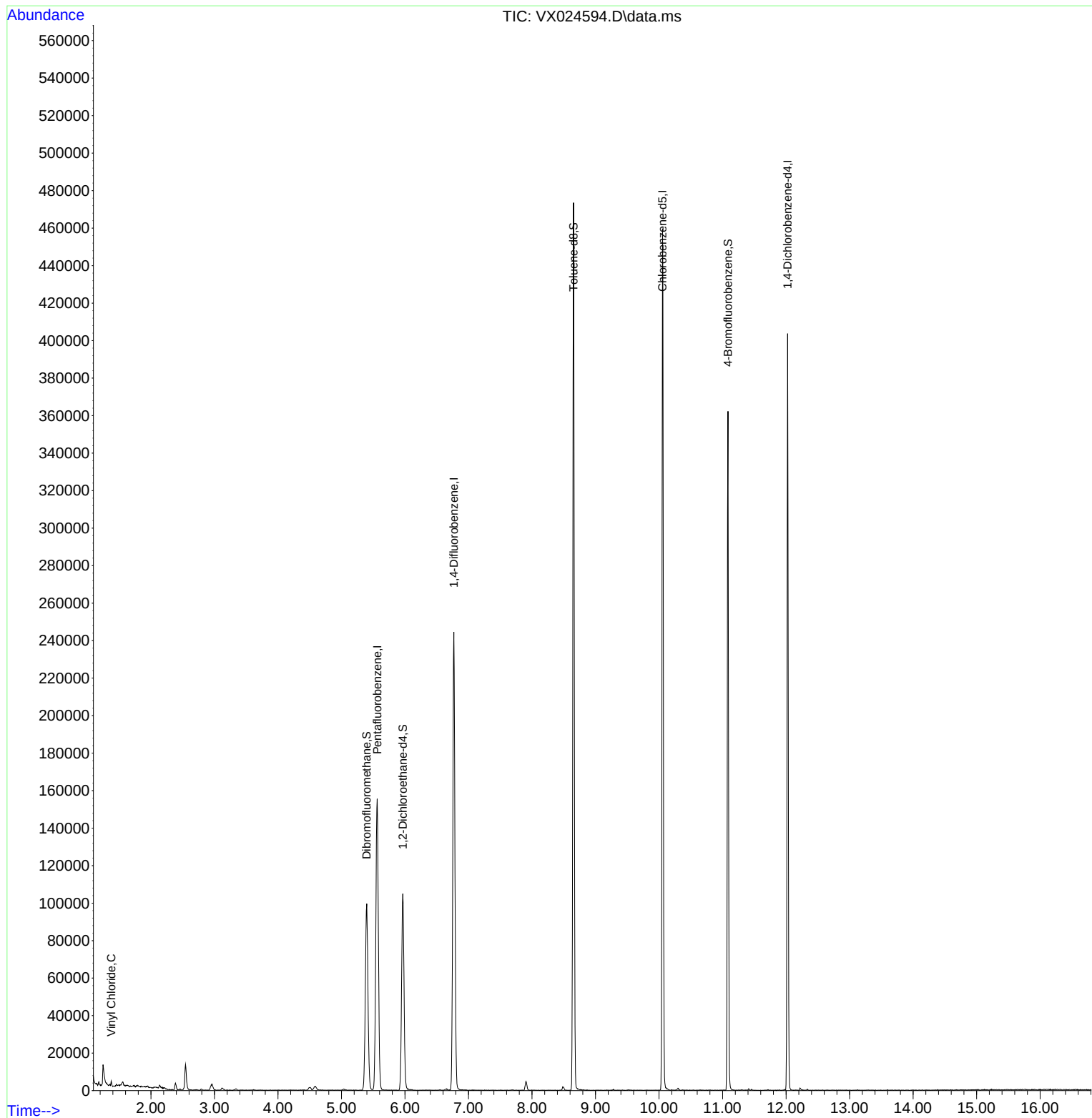
| Compound                    | R.T.   | QIon           | Response | Conc      | Units | Dev(Min)    |
|-----------------------------|--------|----------------|----------|-----------|-------|-------------|
| -----                       |        |                |          |           |       |             |
| Internal Standards          |        |                |          |           |       |             |
| 1) Pentafluorobenzene       | 5.562  | 168            | 144894   | 50.00     | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 6.769  | 114            | 240102   | 50.00     | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 10.055 | 117            | 204463   | 50.00     | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152            | 81162    | 50.00     | ug/l  | 0.00        |
| System Monitoring Compounds |        |                |          |           |       |             |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65             | 104755   | 51.30     | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range 78 - 117 | Recovery | = 102.60% |       |             |
| 35) Dibromofluoromethane    | 5.397  | 113            | 85856    | 53.83     | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 107.66% |       |             |
| 50) Toluene-d8              | 8.653  | 98             | 265044   | 45.15     | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range 92 - 112 | Recovery | = 90.30%# |       |             |
| 62) 4-Bromofluorobenzene    | 11.085 | 95             | 92701    | 40.16     | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range 83 - 123 | Recovery | = 80.32%# |       |             |
| Target Compounds            |        |                |          |           |       |             |
| 4) Vinyl Chloride           | 1.373  | 62             | 1270     | 0.88      | ug/l  | Qvalue # 83 |
| -----                       |        |                |          |           |       |             |

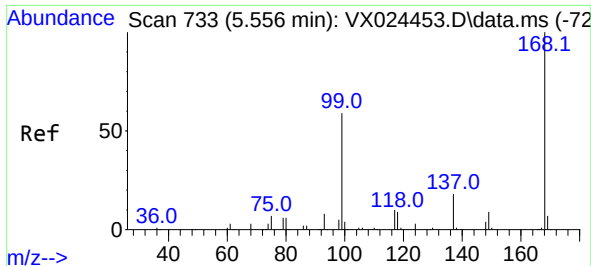
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M4028-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-4

Quant Time: Oct 06 06:53:07 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 23 18:24:34 2021  
Response via : Initial Calibration

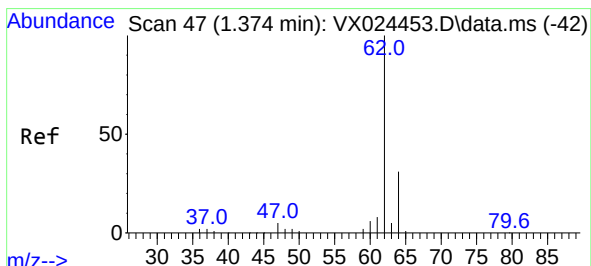
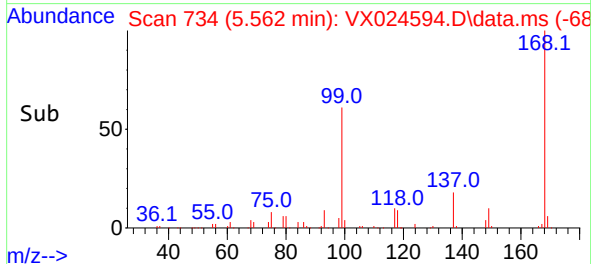
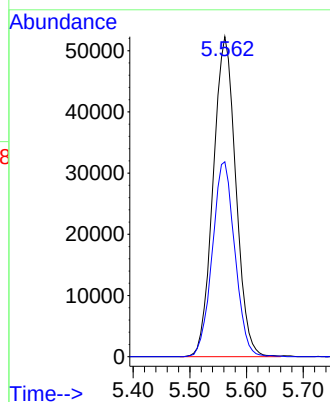
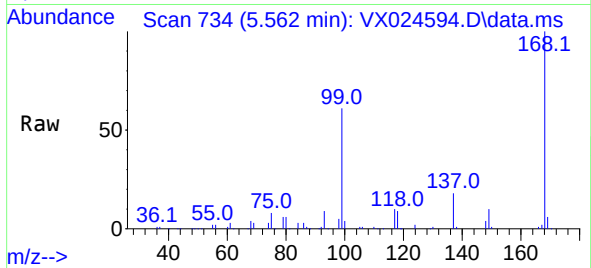




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX024594.D  
Acq: 06 Oct 2021 01:25

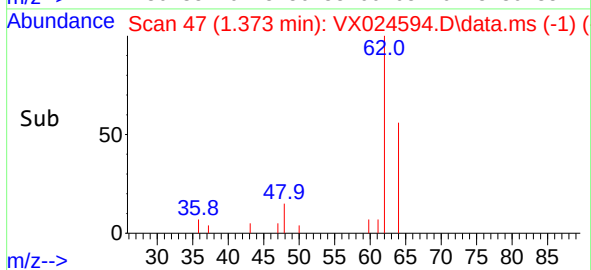
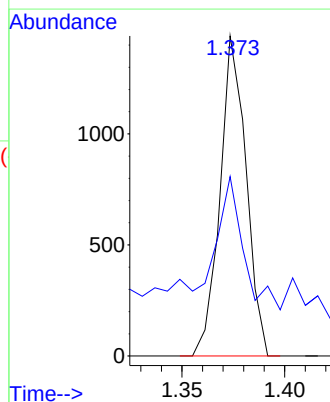
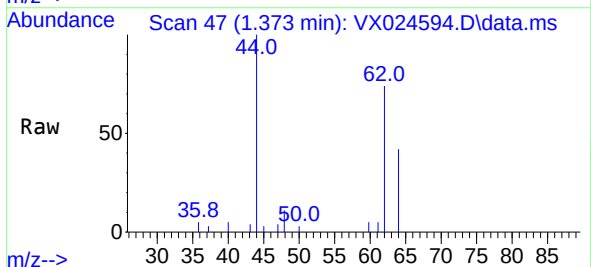
Instrument :  
MSVOA\_X  
ClientSampled :  
GW-4

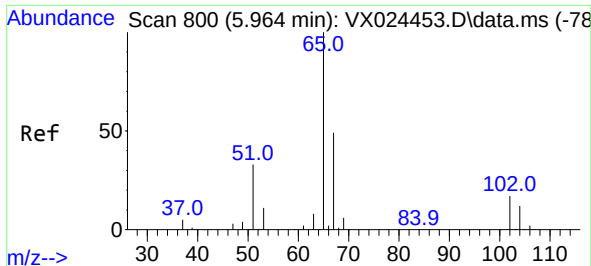
Tgt Ion:168 Resp: 144894  
Ion Ratio Lower Upper  
168 100  
99 60.9 45.8 68.6



#4  
Vinyl Chloride  
Concen: 0.88 ug/l  
RT: 1.373 min Scan# 47  
Delta R.T. -0.001 min  
Lab File: VX024594.D  
Acq: 06 Oct 2021 01:25

Tgt Ion: 62 Resp: 1270  
Ion Ratio Lower Upper  
62 100  
64 41.6 25.7 38.5#



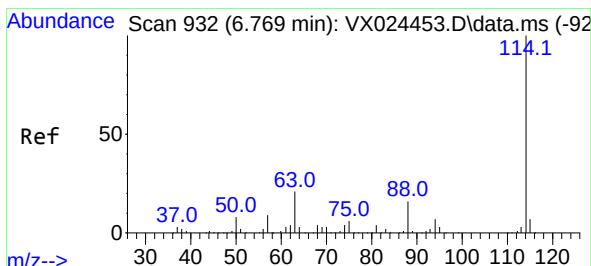
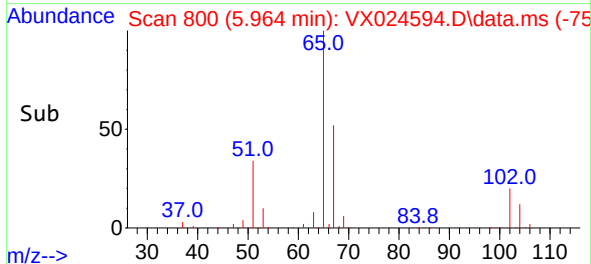
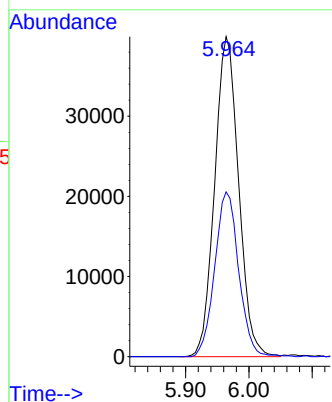
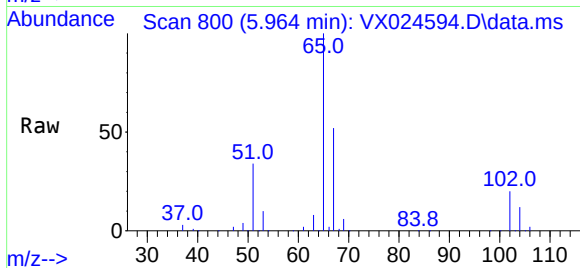


#33

1,2-Dichloroethane-d4  
Concen: 51.30 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX024594.D  
Acq: 06 Oct 2021 01:25

Instrument :  
MSVOA\_X  
ClientSampled :  
GW-4

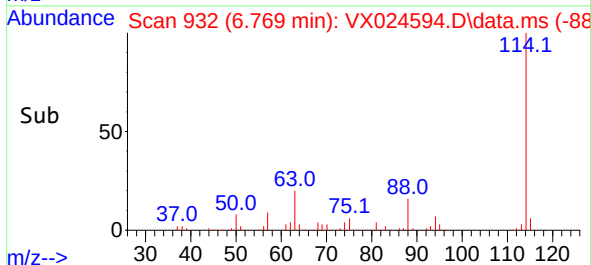
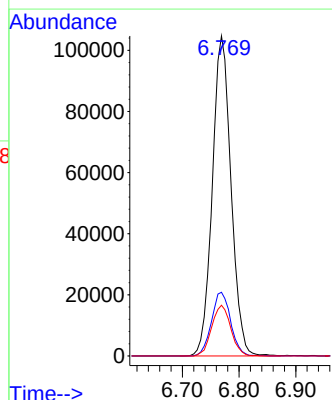
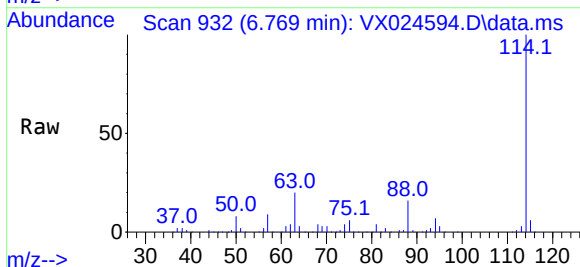
Tgt Ion: 65 Resp: 104755  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 105.4

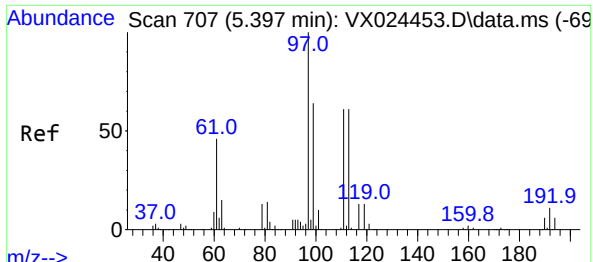


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX024594.D  
Acq: 06 Oct 2021 01:25

Tgt Ion: 114 Resp: 240102  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 40.8  
88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.83 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024594.D

Acq: 06 Oct 2021 01:25

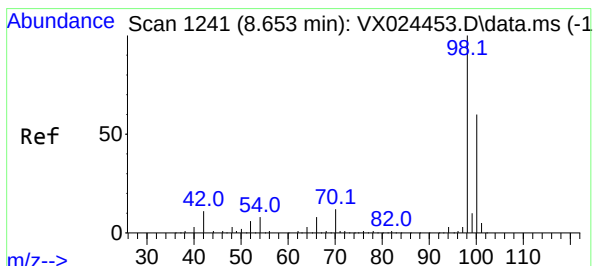
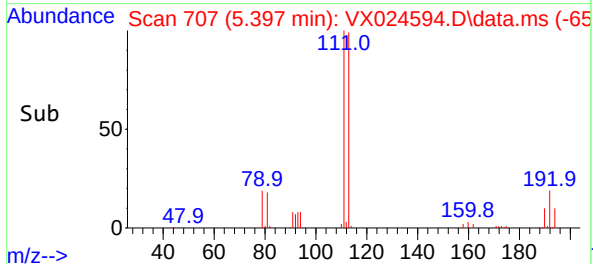
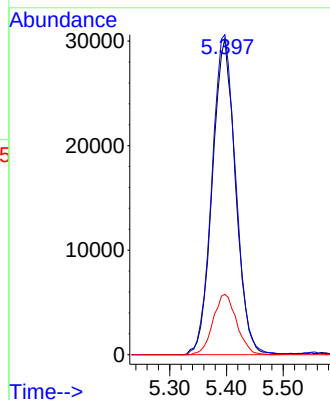
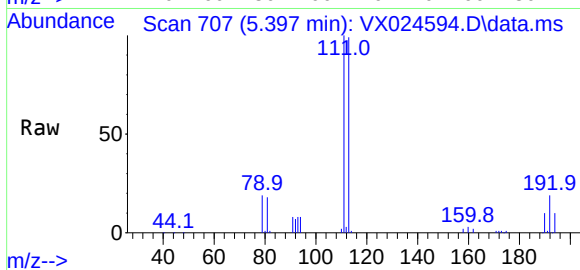
Tgt Ion:113 Resp: 85856

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 19.4 16.7 25.1



#50

Toluene-d8

Concen: 45.15 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024594.D

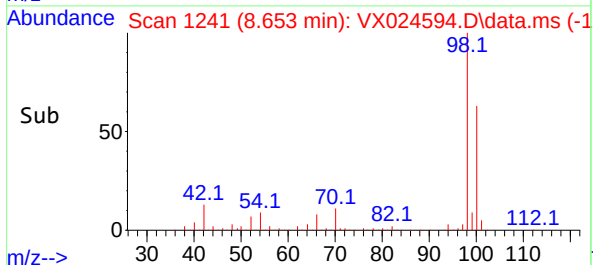
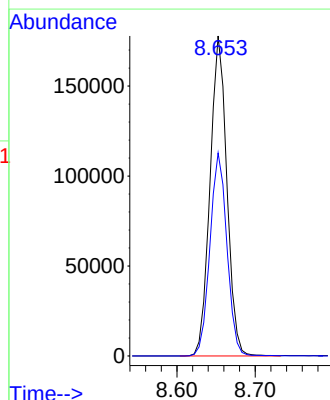
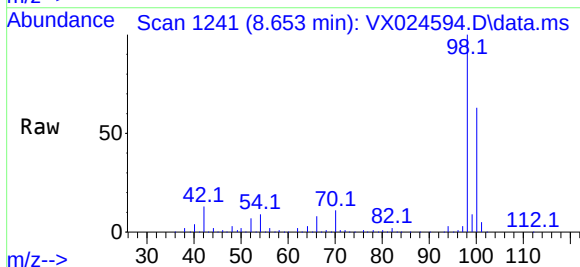
Acq: 06 Oct 2021 01:25

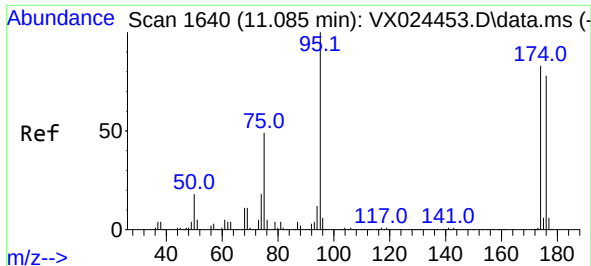
Tgt Ion: 98 Resp: 265044

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9

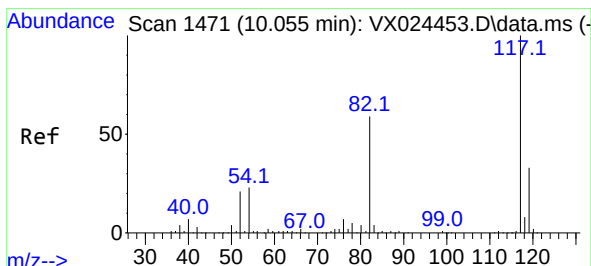
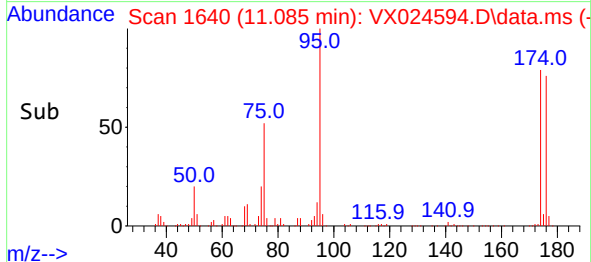
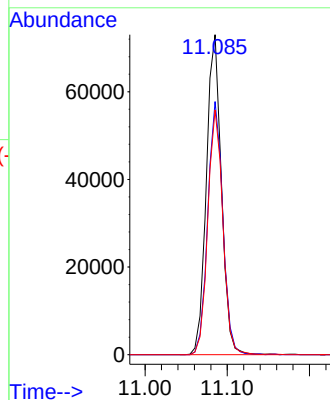
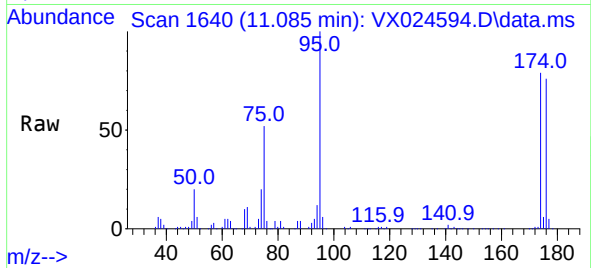




#62  
4-Bromofluorobenzene  
Concen: 40.16 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024594.D  
Acq: 06 Oct 2021 01:25

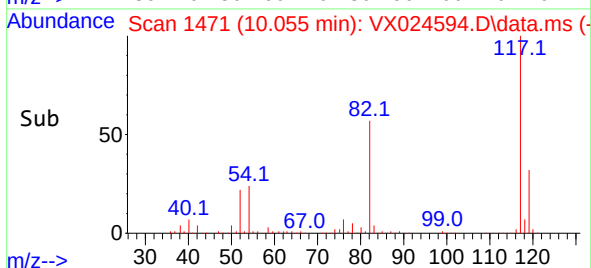
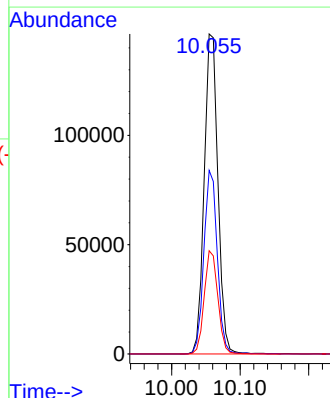
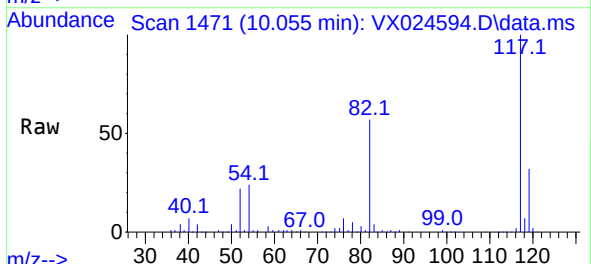
Instrument :  
MSVOA\_X  
ClientSampled :  
GW-4

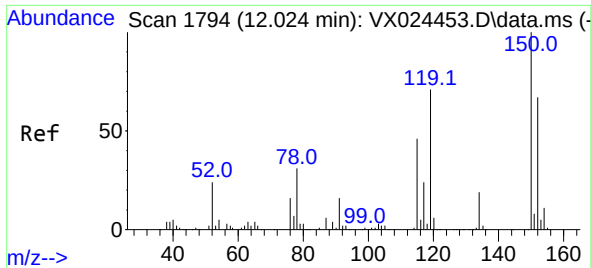
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 92701 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 79.1  | 0.0   | 154.6 |
| 176      | 76.3  | 0.0   | 155.8 |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX024594.D  
Acq: 06 Oct 2021 01:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 204463 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.4  | 47.4  | 71.2   |
| 119      | 32.3  | 26.6  | 39.8   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. -0.000 min  
 Lab File: VX024594.D  
 Acq: 06 Oct 2021 01:25

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GW-4

Tgt Ion:152 Resp: 81162  
 Ion Ratio Lower Upper  
 152 100  
 115 59.1 41.1 123.3  
 150 154.3 0.0 349.0

