

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
 Data File : VU042082.D  
 Acq On : 15 Jan 2021 19:14  
 Operator : SY/MD  
 Sample : M1164-01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 BFXP8

Quant Time: Jan 16 01:14:32 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jan 16 01:05:16 2021  
 Response via : Initial Calibration

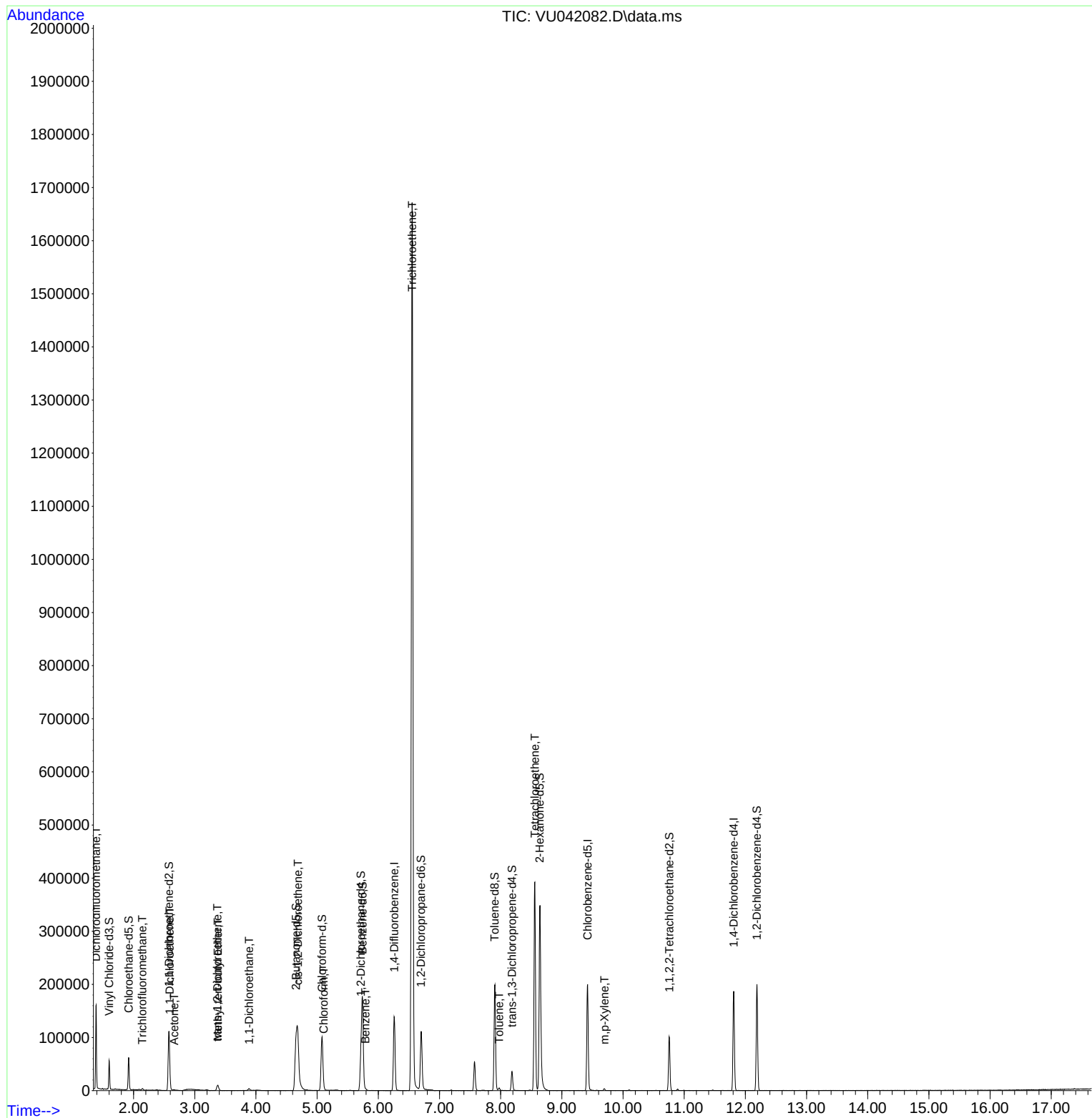
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.260  | 114   | 113342   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 111833   | 5.00     | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 51155    | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 35643    | 4.17     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 83.40%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 41749    | 5.16     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 103.20%  |
| 11) 1,1-Dichloroethene-d2     | 2.578  | 63    | 63328    | 3.68     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 73.60%   |
| 20) 2-Butanone-d5             | 4.655  | 46    | 189030   | 65.86    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 131.72%# |
| 24) Chloroform-d              | 5.080  | 84    | 94499    | 5.40     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 108.00%  |
| 26) 1,2-Dichloroethane-d4     | 5.716  | 65    | 51006    | 5.34     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.80%  |
| 32) Benzene-d6                | 5.742  | 84    | 161664   | 4.47     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.40%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 53785    | 4.54     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.80%   |
| 41) Toluene-d8                | 7.903  | 98    | 131861   | 4.08     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 81.60%   |
| 43) trans-1,3-Dichloroprop... | 8.186  | 79    | 21021    | 4.41     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.20%   |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 137439   | 56.26    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 112.52%  |
| 57) 1,1,2,2-Tetrachloroeth... | 10.755 | 84    | 51848    | 5.74     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 114.80%  |
| 64) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 53029    | 5.50     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 110.00%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 85532    | 8.21     | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.141  | 101   | 1720     | 0.10     | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.591  | 96    | 8267     | 0.93     | ug/L # | 16       |
| 13) Acetone                   | 2.665  | 43    | 1849     | 1.03     | ug/L   | 82       |
| 17) Methyl tert-butyl Ether   | 3.379  | 73    | 8044     | 0.35     | ug/L # | 87       |
| 18) trans-1,2-Dichloroethene  | 3.369  | 96    | 2002     | 0.22     | ug/L   | 87       |
| 19) 1,1-Dichloroethane        | 3.887  | 63    | 4219     | 0.24     | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.684  | 96    | 35216    | 3.74     | ug/L   | 91       |
| 25) Chloroform                | 5.105  | 83    | 3318     | 0.19     | ug/L   | 86       |
| 33) Benzene                   | 5.790  | 78    | 2424     | 0.06     | ug/L   | 100      |
| 34) Trichloroethene           | 6.552  | 95    | 583021   | 56.35    | ug/L   | 98       |
| 42) Toluene                   | 7.977  | 91    | 3776     | 0.09     | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.559  | 164   | 87043    | 12.99    | ug/L   | 97       |
| 53) m,p-Xylene                | 9.697  | 106   | 1283     | 0.08     | ug/L   | 86       |
| -----                         |        |       |          |          |        |          |

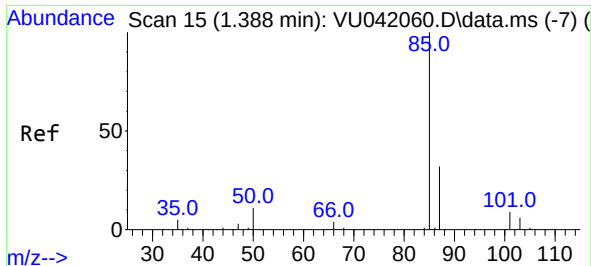
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011521\  
Data File : VU042082.D  
Acq On : 15 Jan 2021 19:14  
Operator : SY/MD  
Sample : M1164-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXP8

Quant Time: Jan 16 01:14:32 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jan 16 01:05:16 2021  
Response via : Initial Calibration

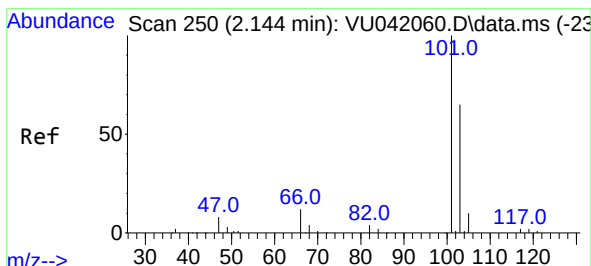
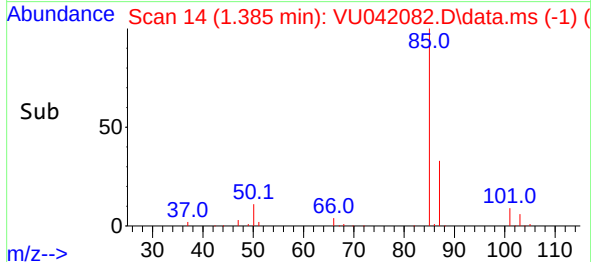
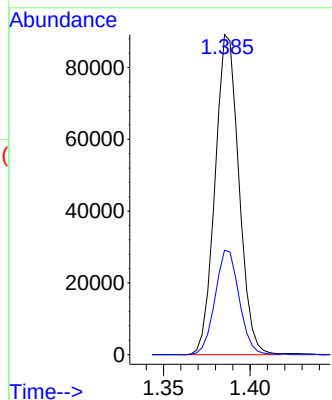
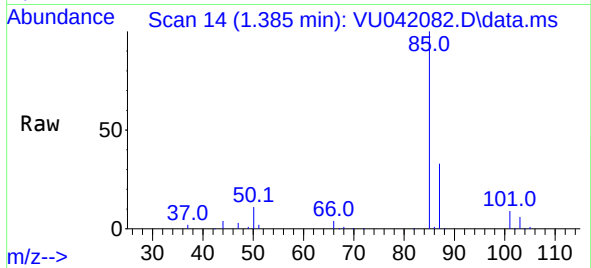




#2  
Dichlorodifluoromethane  
Concen: 8.21 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. -0.003 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

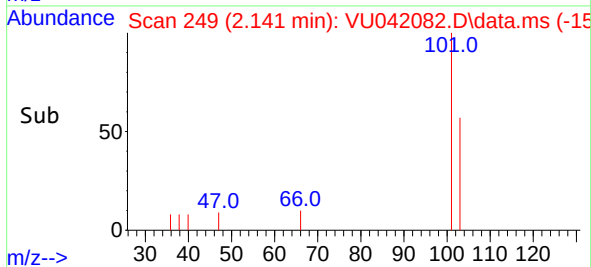
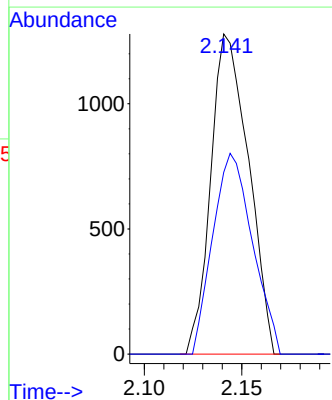
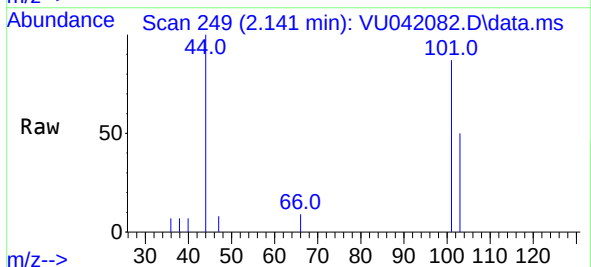
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXP8

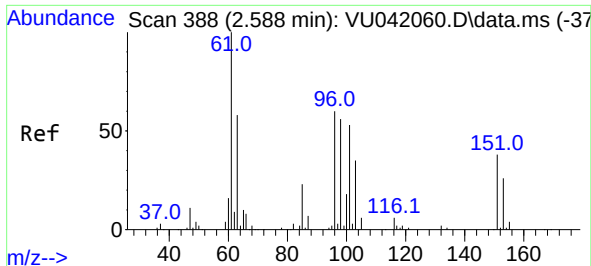
Tgt Ion: 85 Resp: 85532  
Ion Ratio Lower Upper  
85 100  
87 33.0 25.7 38.5



#9  
Trichlorofluoromethane  
Concen: 0.10 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. -0.003 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

Tgt Ion:101 Resp: 1720  
Ion Ratio Lower Upper  
101 100  
103 66.0 51.6 77.4

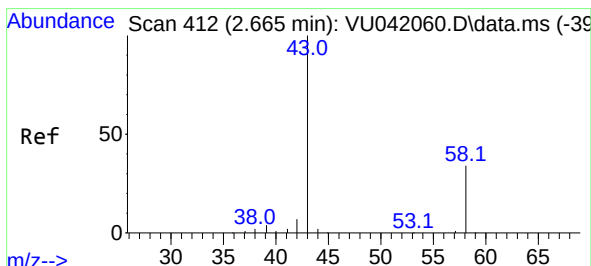
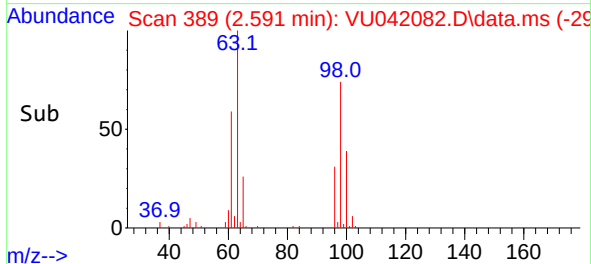
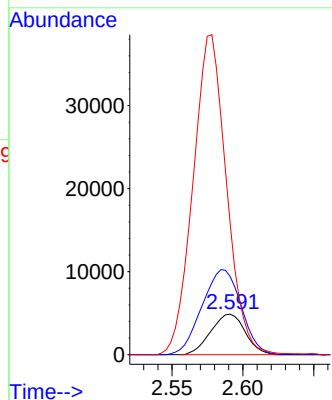
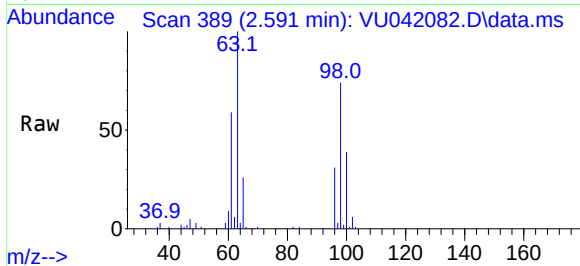




#12  
1,1-Dichloroethene  
Concen: 0.93 ug/L  
RT: 2.591 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

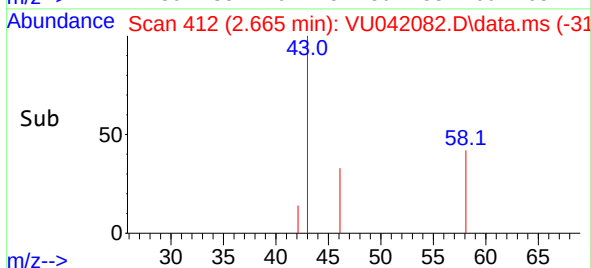
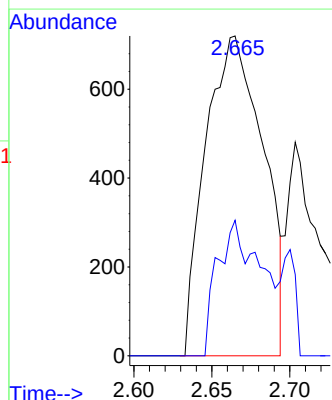
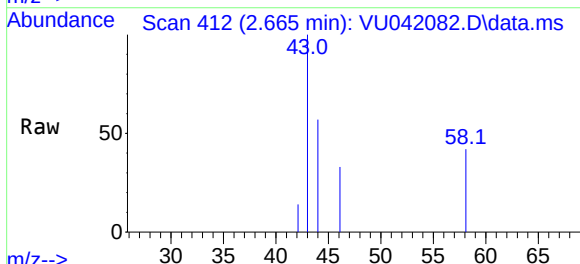
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXP8

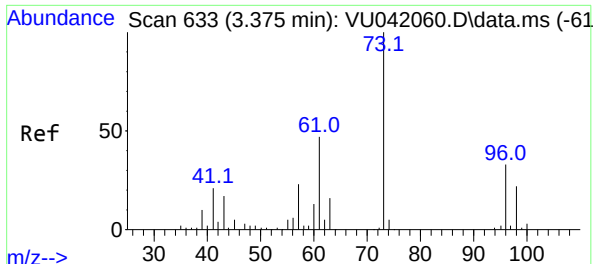
Tgt Ion: 96 Resp: 8267  
Ion Ratio Lower Upper  
96 100  
61 193.5 122.2 226.9  
63 325.6 82.8 153.8#



#13  
Acetone  
Concen: 1.03 ug/L  
RT: 2.665 min Scan# 412  
Delta R.T. 0.000 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

Tgt Ion: 43 Resp: 1849  
Ion Ratio Lower Upper  
43 100  
58 19.0 0.0 57.4

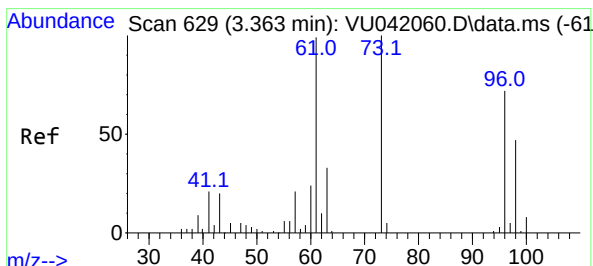
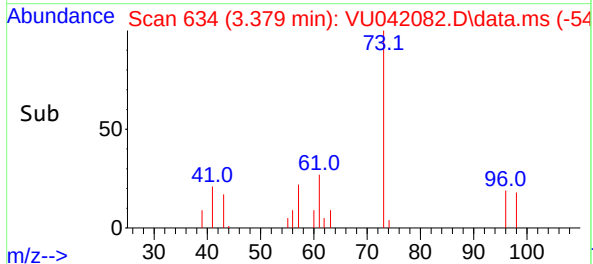
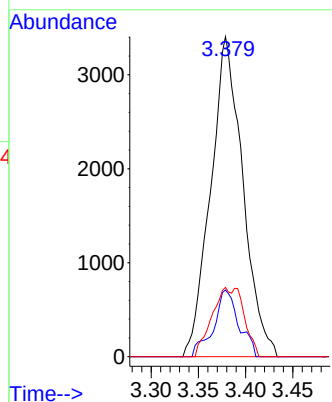
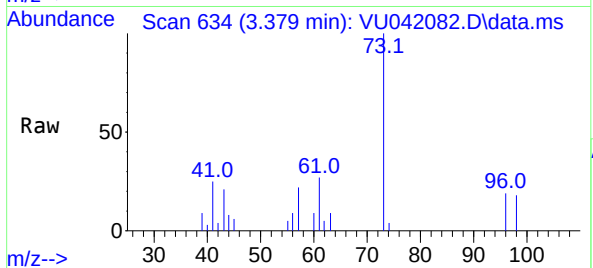




#17  
Methyl tert-butyl Ether  
Concen: 0.35 ug/L  
RT: 3.379 min Scan# 634  
Delta R.T. 0.003 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

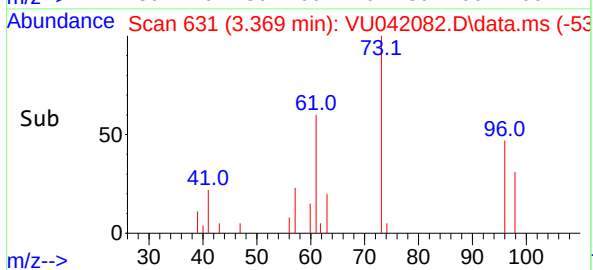
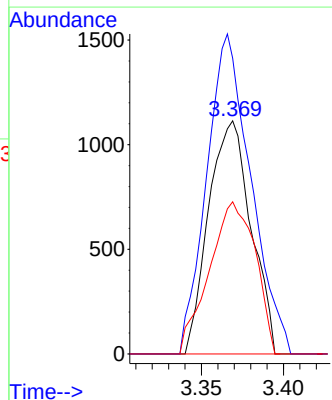
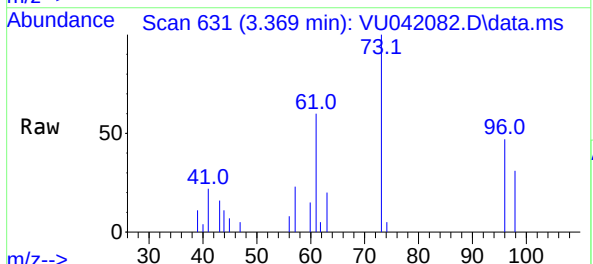
Instrument :  
MSVOA\_U  
ClientSampled :  
BFXP8

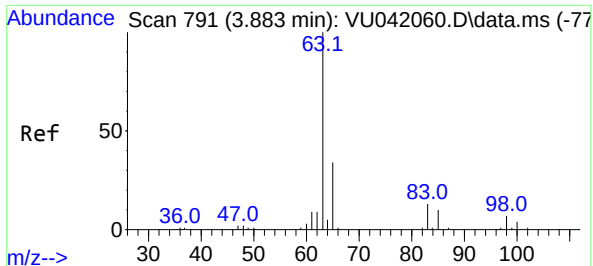
Tgt Ion: 73 Resp: 8044  
Ion Ratio Lower Upper  
73 100  
43 16.4 15.1 22.7  
57 13.5 18.0 27.0#



#18  
trans-1,2-Dichloroethene  
Concen: 0.22 ug/L  
RT: 3.369 min Scan# 631  
Delta R.T. 0.006 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

Tgt Ion: 96 Resp: 2002  
Ion Ratio Lower Upper  
96 100  
61 126.8 103.2 191.6  
98 65.3 43.8 81.3



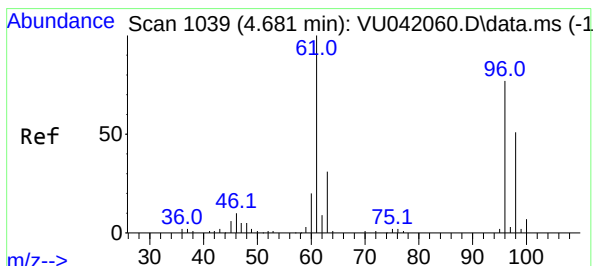
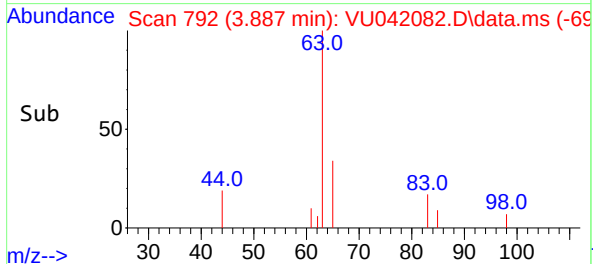
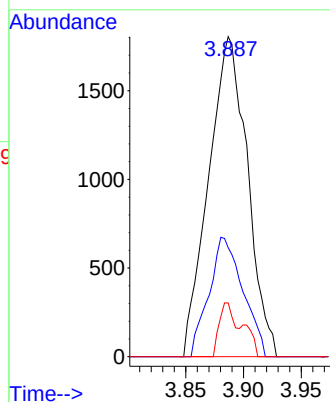
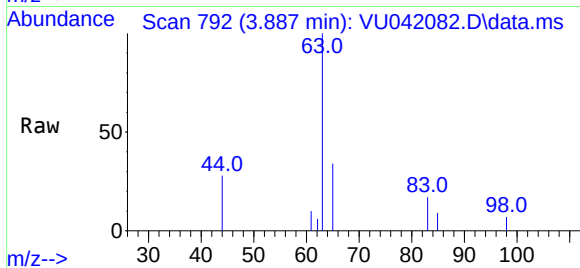


#19

1,1-Dichloroethane  
Concen: 0.24 ug/L  
RT: 3.887 min Scan# 792  
Delta R.T. 0.003 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

Instrument :  
MSVOA\_U  
ClientSampled :  
BFXP8

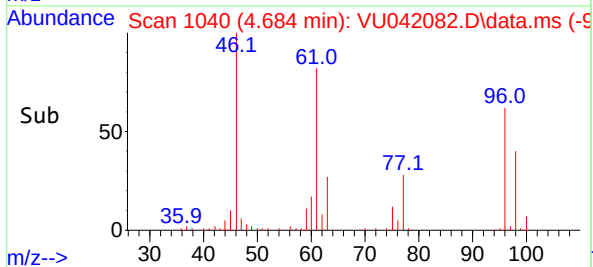
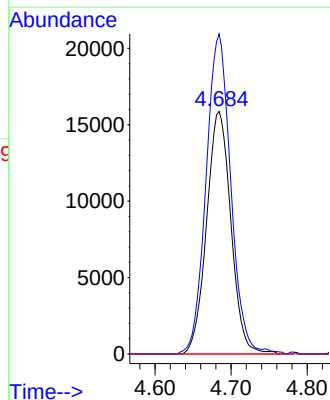
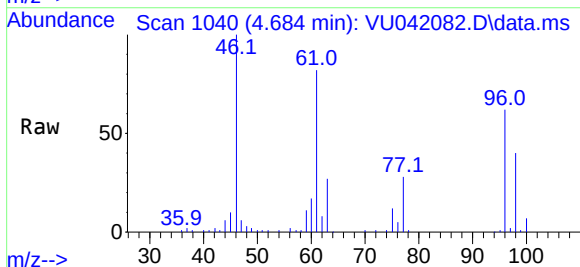
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 4219  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 34.1     | 22.7 42.1   |
| 83 16.8     | 9.4 17.6    |

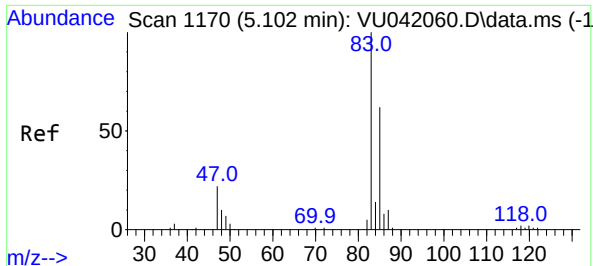


#22

cis-1,2-Dichloroethene  
Concen: 3.74 ug/L  
RT: 4.684 min Scan# 1040  
Delta R.T. 0.003 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 35216 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 131.9    | 100.3 186.3 |
| 68 0.0      | 0.0 0.0     |





#25

Chloroform

Concen: 0.19 ug/L

RT: 5.105 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VU042082.D

Acq: 15 Jan 2021 19:14

Tgt Ion: 83 Resp: 3318

Ion Ratio Lower Upper

83 100

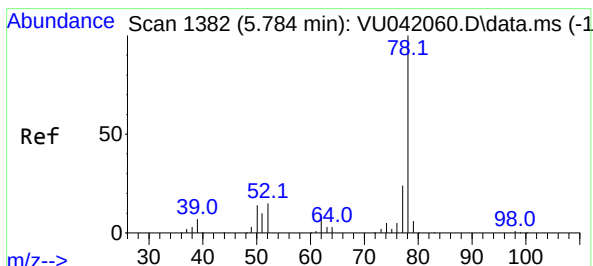
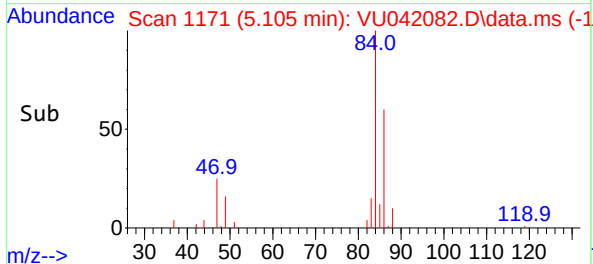
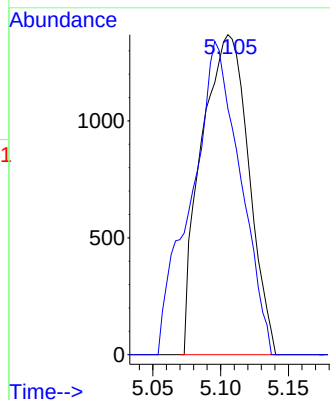
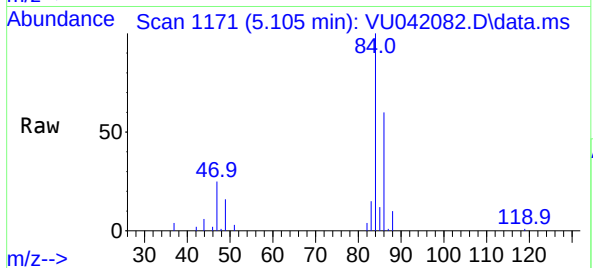
85 76.9 46.1 85.7

Instrument :

MSVOA\_U

ClientSampleId :

BFXP8



#33

Benzene

Concen: 0.06 ug/L

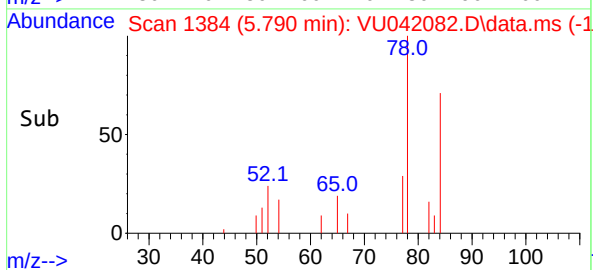
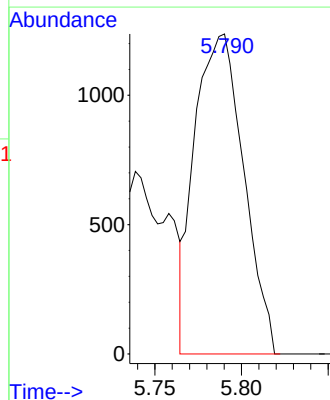
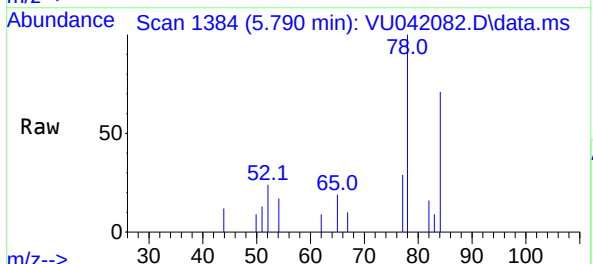
RT: 5.790 min Scan# 1384

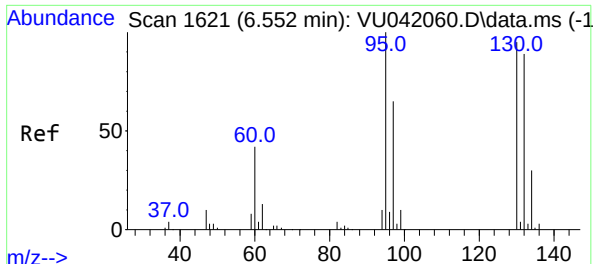
Delta R.T. 0.006 min

Lab File: VU042082.D

Acq: 15 Jan 2021 19:14

Tgt Ion: 78 Resp: 2424



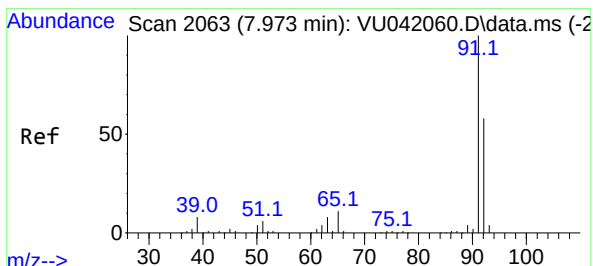
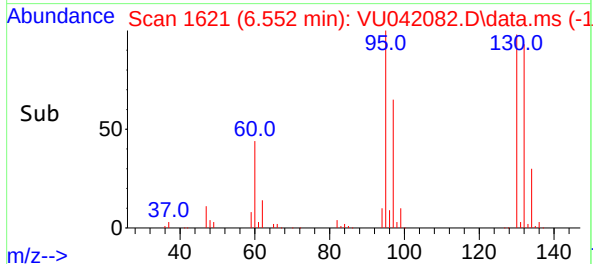
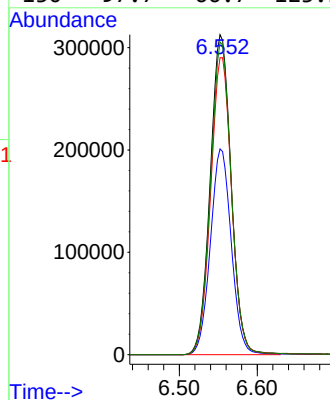
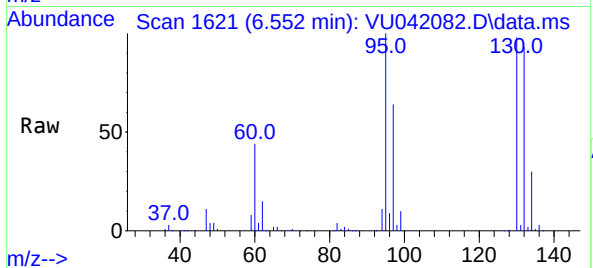


#34  
Trichloroethene  
Concen: 56.35 ug/L  
RT: 6.552 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXP8

Tgt Ion: 95 Resp: 583021

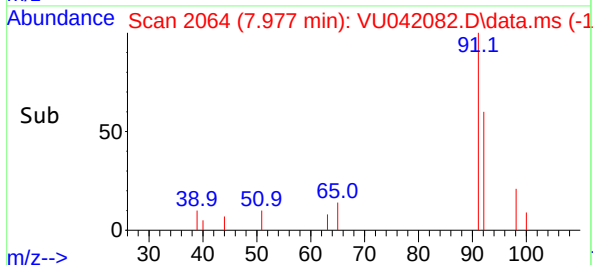
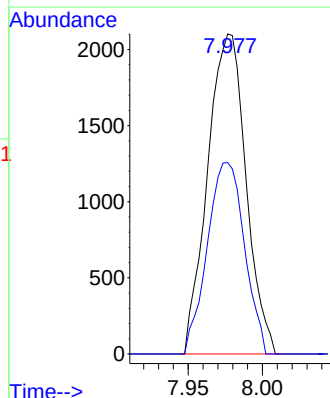
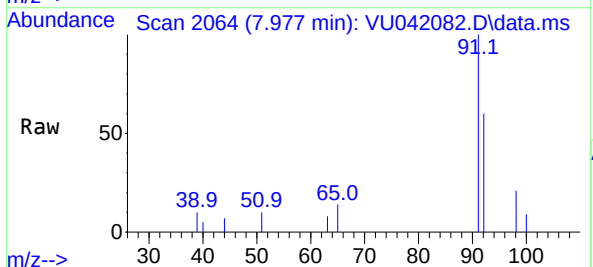
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.3  | 43.6  | 81.0  |
| 132 | 92.8  | 64.3  | 119.3 |
| 130 | 97.7  | 66.7  | 123.9 |



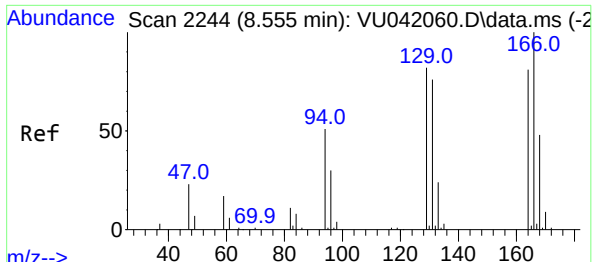
#42  
Toluene  
Concen: 0.09 ug/L  
RT: 7.977 min Scan# 2064  
Delta R.T. 0.003 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

Tgt Ion: 91 Resp: 3776

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 59.8  | 40.7  | 75.7  |





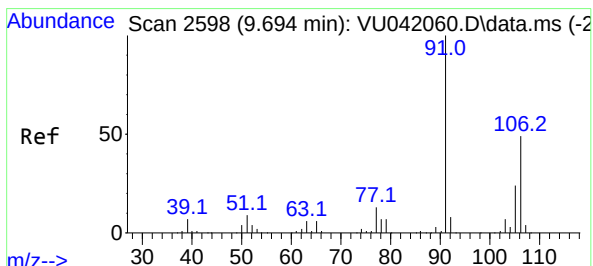
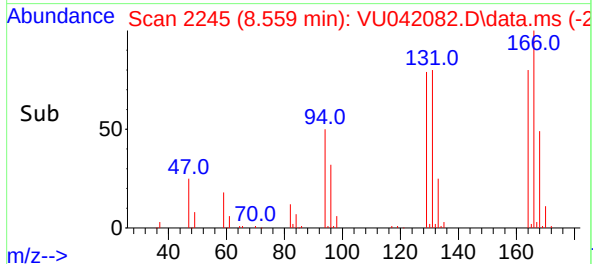
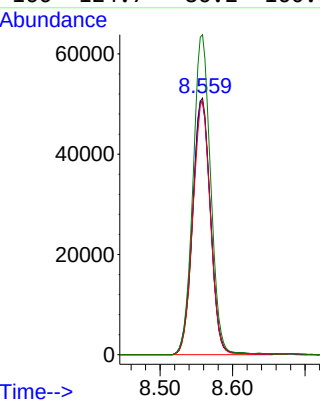
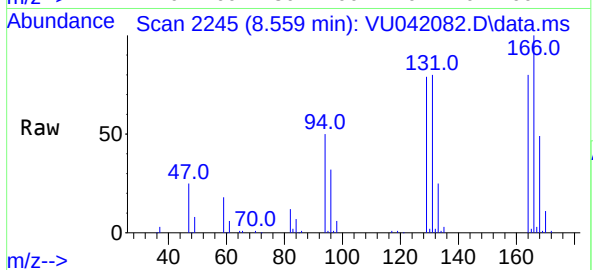


#47  
Tetrachloroethene  
Concen: 12.99 ug/L  
RT: 8.559 min Scan# 2245  
Delta R.T. 0.003 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXP8

Tgt Ion:164 Resp: 87043

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 98.4  | 68.7  | 127.5 |
| 131 | 99.2  | 65.2  | 121.0 |
| 166 | 124.7 | 86.2  | 160.0 |



#53  
m,p-Xylene  
Concen: 0.08 ug/L  
RT: 9.697 min Scan# 2599  
Delta R.T. 0.003 min  
Lab File: VU042082.D  
Acq: 15 Jan 2021 19:14

Tgt Ion:106 Resp: 1283

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 106 | 100   |       |       |
| 91  | 185.6 | 145.7 | 270.5 |

