

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011421\  
 Data File : VU042042.D  
 Acq On : 14 Jan 2021 19:36  
 Operator : SY/MD  
 Sample : M1065-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFXN4

Quant Time: Jan 15 06:34:54 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011321WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jan 15 06:32:40 2021  
 Response via : Initial Calibration

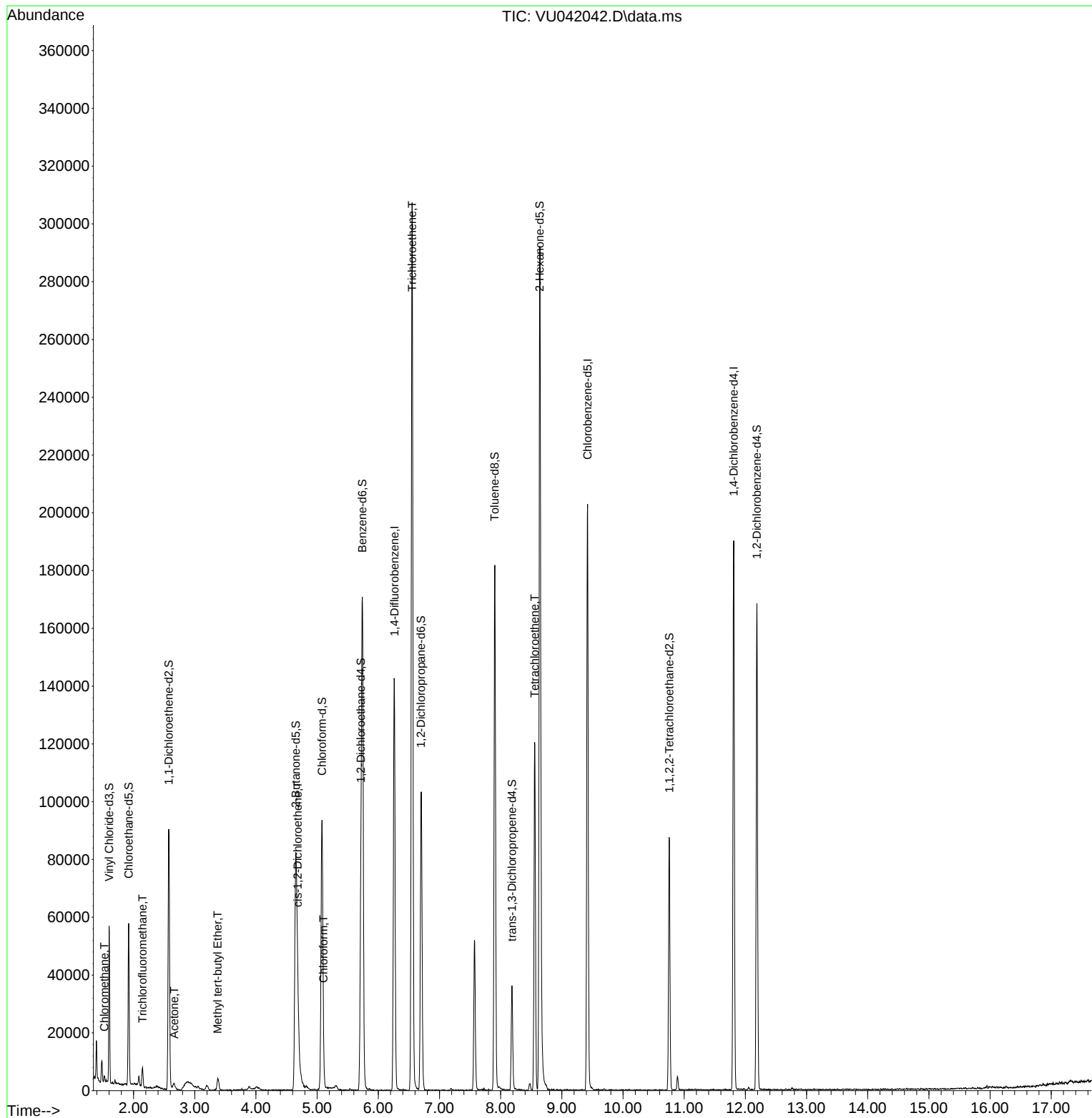
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.263  | 114   | 114483   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 110314   | 5.00     | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 51260    | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 34843    | 4.03     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.60%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 38708    | 4.73     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.60%   |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 63    | 55247    | 3.17     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 63.40%   |
| 20) 2-Butanone-d5             | 4.652  | 46    | 153010   | 52.78    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 105.56%  |
| 24) Chloroform-d              | 5.080  | 84    | 88686    | 5.01     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.20%  |
| 26) 1,2-Dichloroethane-d4     | 5.716  | 65    | 47861    | 4.97     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.40%   |
| 32) Benzene-d6                | 5.739  | 84    | 156994   | 4.40     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.00%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 51857    | 4.43     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.60%   |
| 41) Toluene-d8                | 7.903  | 98    | 123316   | 3.87     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 77.40%   |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79    | 22182    | 4.72     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.40%   |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 114836   | 47.65    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.30%   |
| 57) 1,1,2,2-Tetrachloroeth... | 10.755 | 84    | 43731    | 4.91     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.20%   |
| 64) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 43420    | 4.50     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.00%   |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.523  | 50    | 1494     | 0.11     | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.147  | 101   | 4987     | 0.29     | ug/L # | 82       |
| 13) Acetone                   | 2.665  | 43    | 3355     | 1.85     | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.375  | 73    | 4693     | 0.20     | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.681  | 96    | 5353     | 0.56     | ug/L   | 98       |
| 25) Chloroform                | 5.105  | 83    | 3071     | 0.17     | ug/L   | 94       |
| 34) Trichloroethene           | 6.552  | 95    | 109059   | 10.69    | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.555  | 164   | 26480    | 4.01     | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

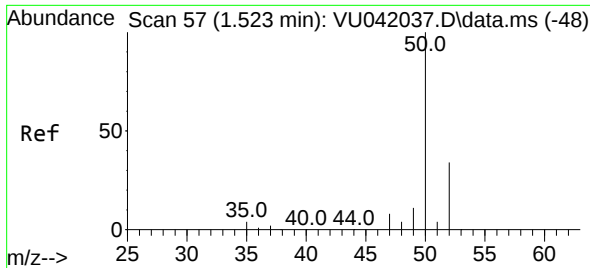
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jan 15 06:32:40 2021  
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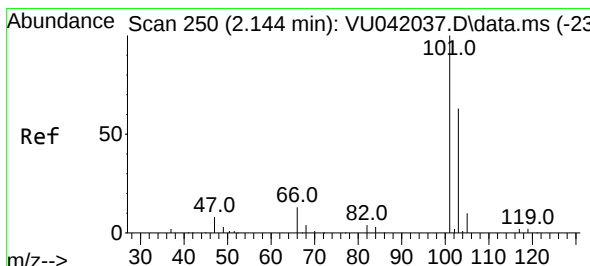
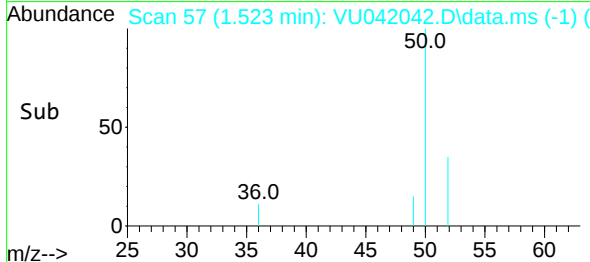
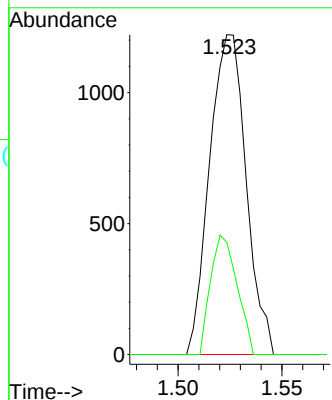
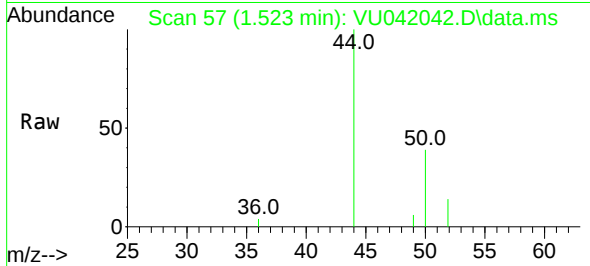




#3  
Chloromethane  
Concen: 0.11 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: VU042042.D  
Acq: 14 Jan 2021 19:36

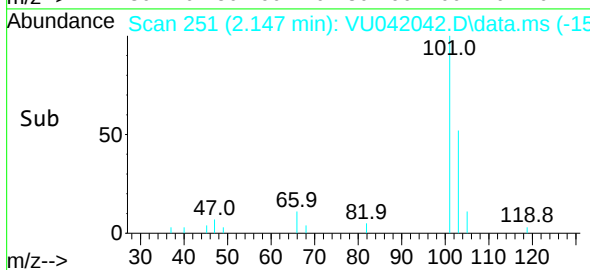
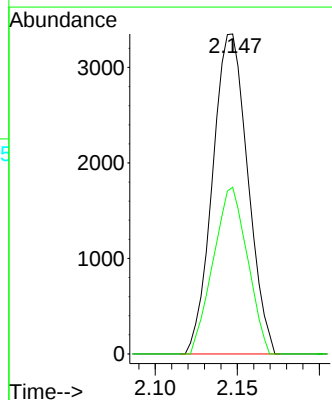
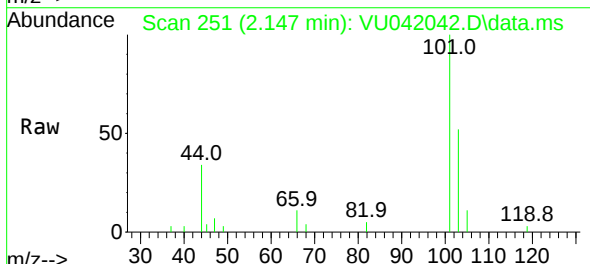
Instrument :  
MSVOA\_U  
ClientSampled :  
BFXN4

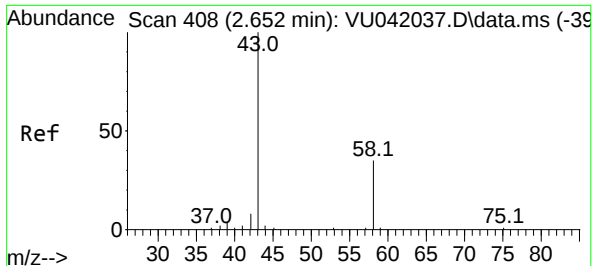
Tgt Ion: 50 Resp: 1494  
Ion Ratio Lower Upper  
50 100  
52 35.1 23.5 43.7



#9  
Trichlorofluoromethane  
Concen: 0.29 ug/L  
RT: 2.147 min Scan# 251  
Delta R.T. 0.003 min  
Lab File: VU042042.D  
Acq: 14 Jan 2021 19:36

Tgt Ion: 101 Resp: 4987  
Ion Ratio Lower Upper  
101 100  
103 50.5 51.6 77.4

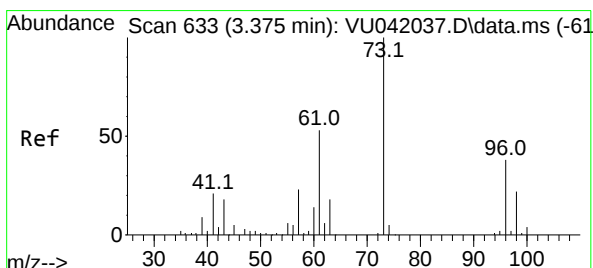
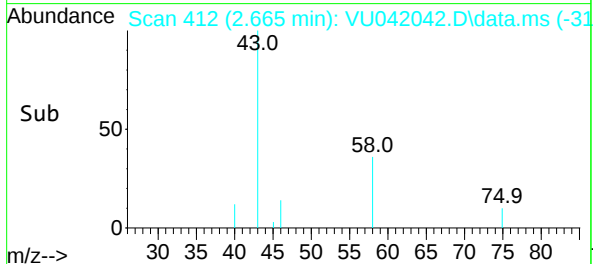
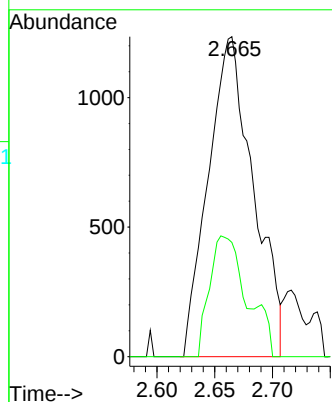
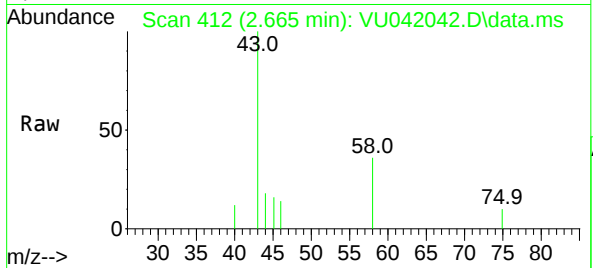




#13  
Acetone  
Concen: 1.85 ug/L  
RT: 2.665 min Scan# 412  
Delta R.T. 0.013 min  
Lab File: VU042042.D  
Acq: 14 Jan 2021 19:36

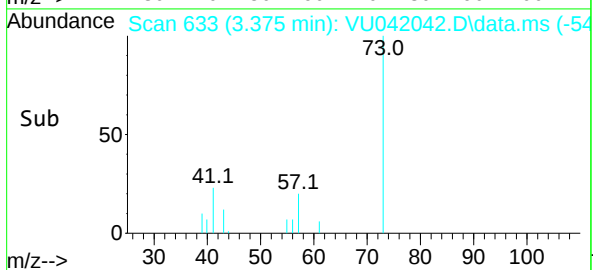
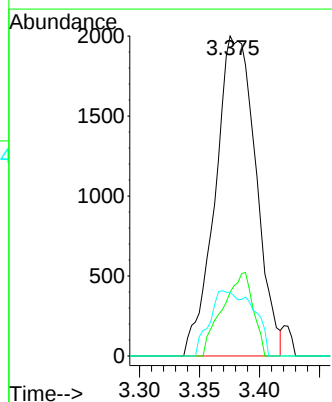
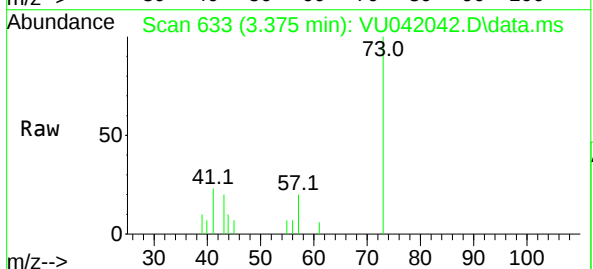
Instrument :  
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ClientSampled :  
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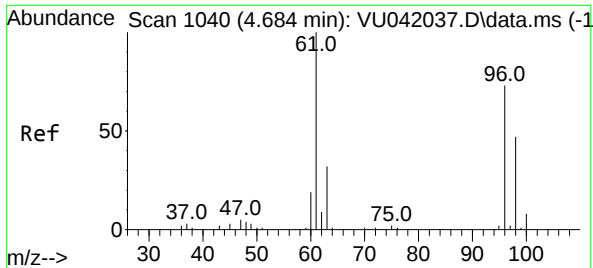
Tgt Ion: 43 Resp: 3355  
Ion Ratio Lower Upper  
43 100  
58 27.4 0.0 57.4



#17  
Methyl tert-butyl Ether  
Concen: 0.20 ug/L  
RT: 3.375 min Scan# 633  
Delta R.T. 0.000 min  
Lab File: VU042042.D  
Acq: 14 Jan 2021 19:36

Tgt Ion: 73 Resp: 4693  
Ion Ratio Lower Upper  
73 100  
43 19.6 15.1 22.7  
57 21.9 18.0 27.0

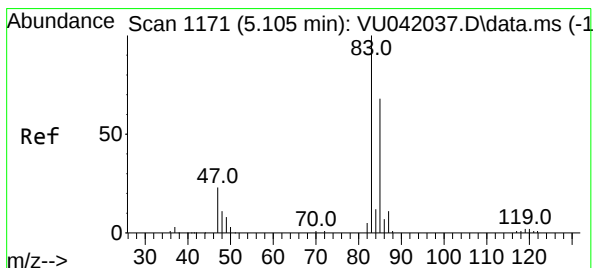
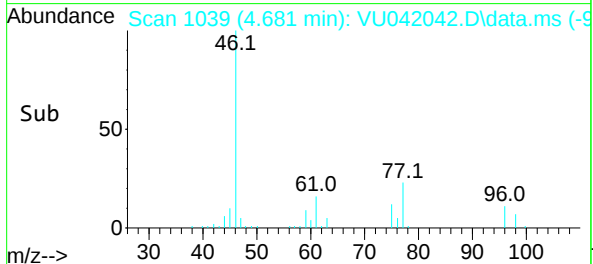
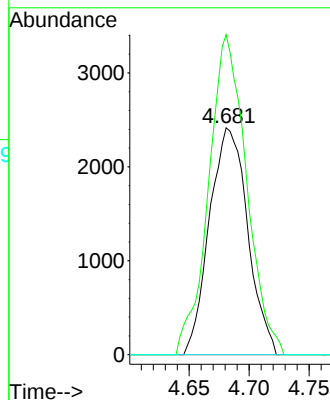
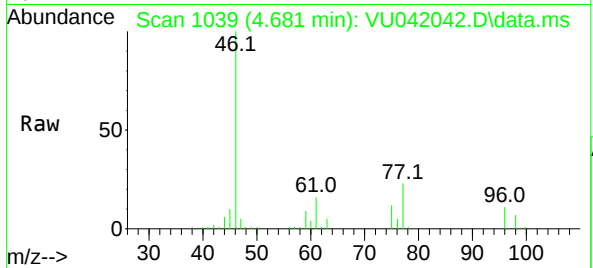




#22  
cis-1,2-Dichloroethene  
Concen: 0.56 ug/L  
RT: 4.681 min Scan# 1039  
Delta R.T. -0.003 min  
Lab File: VU042042.D  
Acq: 14 Jan 2021 19:36

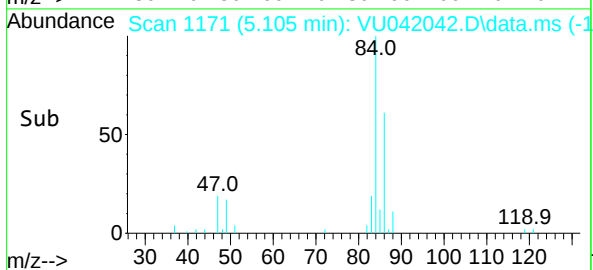
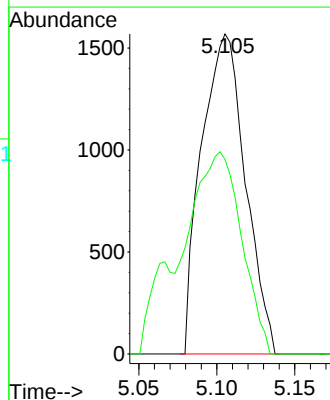
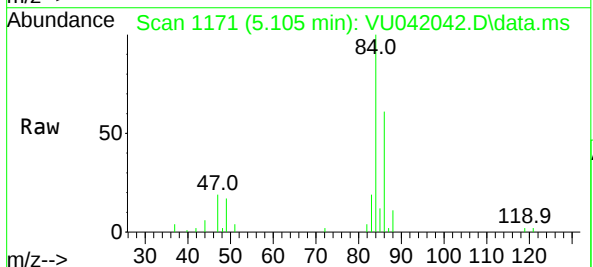
Instrument :  
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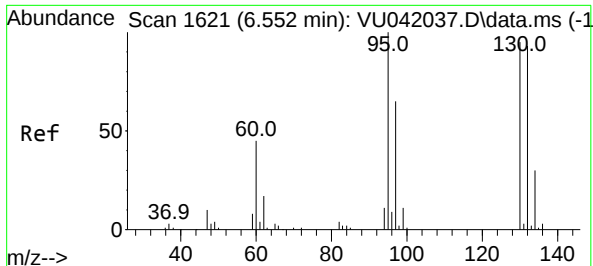
Tgt Ion: 96 Resp: 5353  
Ion Ratio Lower Upper  
96 100  
61 141.0 100.3 186.3  
68 0.0 0.0 0.0



#25  
Chloroform  
Concen: 0.17 ug/L  
RT: 5.105 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: VU042042.D  
Acq: 14 Jan 2021 19:36

Tgt Ion: 83 Resp: 3071  
Ion Ratio Lower Upper  
83 100  
85 60.8 46.1 85.7



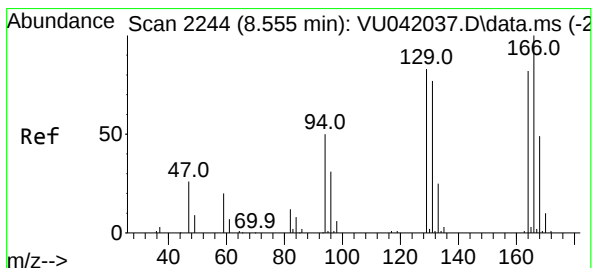
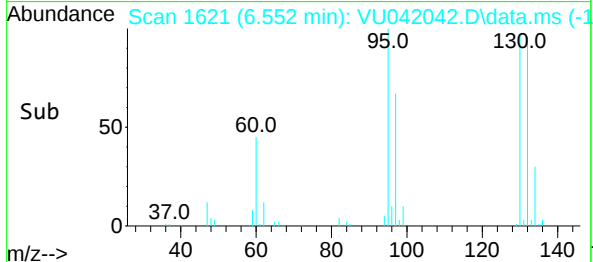
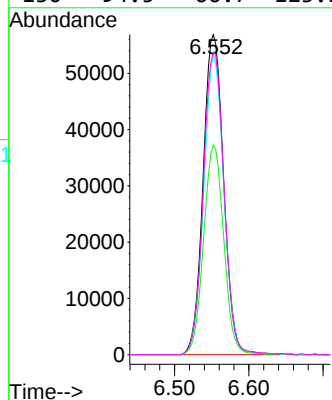
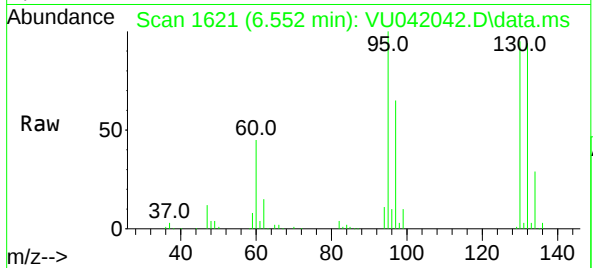


#34  
Trichloroethene  
Concen: 10.69 ug/L  
RT: 6.552 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VU042042.D  
Acq: 14 Jan 2021 19:36

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXN4

Tgt Ion: 95 Resp: 109059

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.5  | 43.6  | 81.0  |
| 132 | 93.7  | 64.3  | 119.3 |
| 130 | 94.5  | 66.7  | 123.9 |



#47  
Tetrachloroethene  
Concen: 4.01 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU042042.D  
Acq: 14 Jan 2021 19:36

Tgt Ion: 164 Resp: 26480

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 98.8  | 68.7  | 127.5 |
| 131 | 96.9  | 65.2  | 121.0 |
| 166 | 125.7 | 86.2  | 160.0 |

