

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012021\  
 Data File : VU042104.D  
 Acq On : 20 Jan 2021 14:35  
 Operator : SY/MD  
 Sample : M1164-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX5

Quant Time: Jan 21 04:21:26 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR012021WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jan 21 04:09:50 2021  
 Response via : Initial Calibration

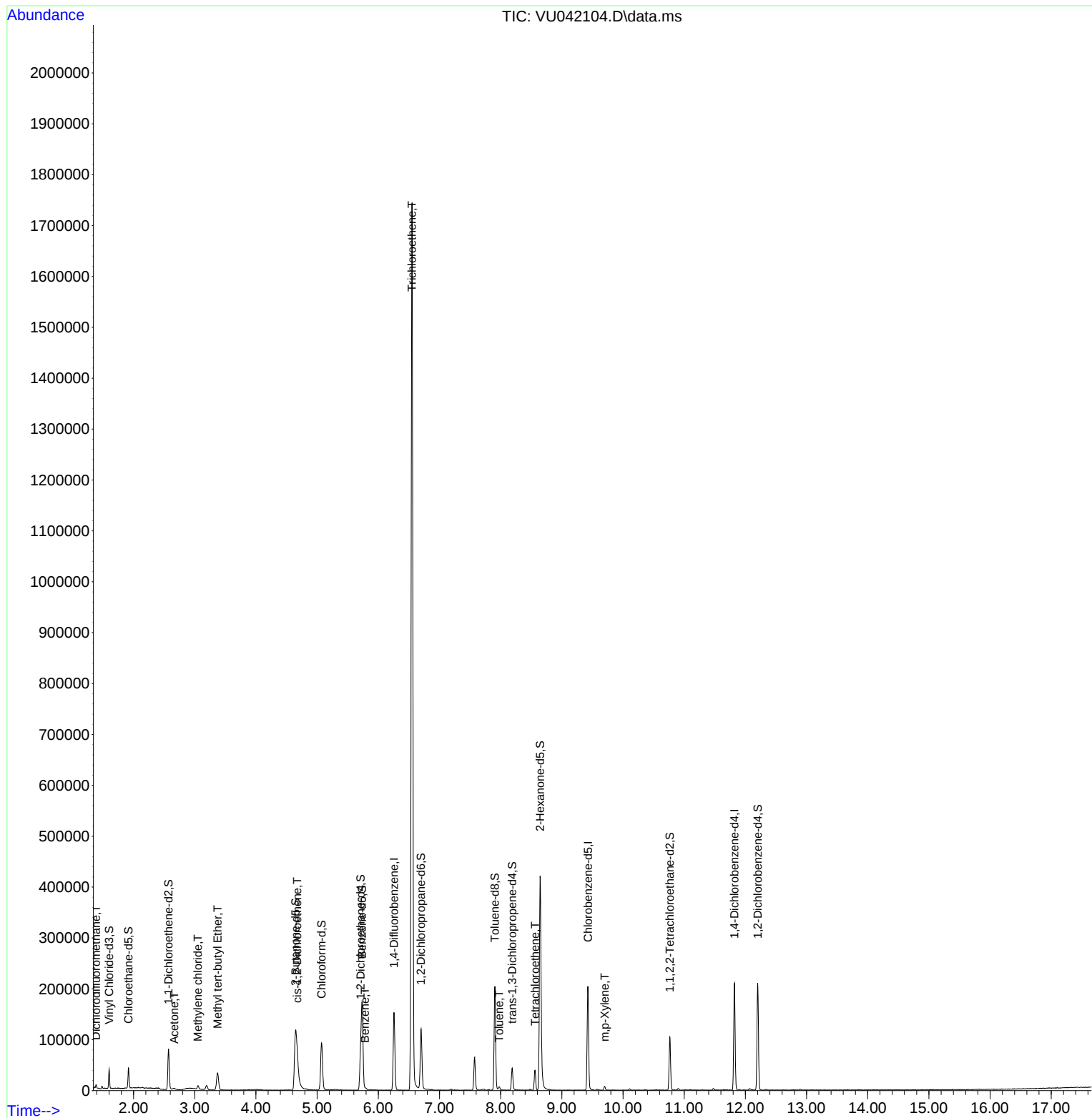
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114   | 117824   | 5.00     | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.427  | 117   | 109255   | 5.00     | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.822 | 152   | 55925    | 5.00     | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 23218    | 3.05     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 61.00%   |
| 7) Chloroethane-d5            | 1.916  | 69    | 26307    | 4.30     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 86.00%   |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 63    | 48555    | 2.90     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 58.00%#  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 212594   | 76.66    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 153.32%# |
| 24) Chloroform-d              | 5.073  | 84    | 83274    | 5.25     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 105.00%  |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65    | 53714    | 5.66     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 113.20%  |
| 32) Benzene-d6                | 5.735  | 84    | 147159   | 5.16     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 103.20%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 51286    | 5.57     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 111.40%  |
| 41) Toluene-d8                | 7.906  | 98    | 127873   | 4.74     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 94.80%   |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 23760    | 5.10     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 102.00%  |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 159409   | 78.49    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 156.98%# |
| 57) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 51091    | 6.47     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 129.40%# |
| 64) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 54615    | 5.44     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 108.80%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 3238     | 0.29     | ug/L  | 100      |
| 13) Acetone                   | 2.665  | 43    | 5032     | 2.72     | ug/L  | 77       |
| 16) Methylene chloride        | 3.051  | 84    | 2836     | 0.30     | ug/L  | 93       |
| 17) Methyl tert-butyl Ether   | 3.372  | 73    | 36613    | 1.58     | ug/L  | 98       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 9955     | 1.10     | ug/L  | 93       |
| 33) Benzene                   | 5.781  | 78    | 1554     | 0.05     | ug/L  | 100      |
| 34) Trichloroethene           | 6.549  | 95    | 585260   | 67.50    | ug/L  | 99       |
| 42) Toluene                   | 7.977  | 91    | 4237     | 0.12     | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.562  | 164   | 8907     | 1.24     | ug/L  | 94       |
| 53) m,p-Xylene                | 9.700  | 106   | 1997     | 0.13     | ug/L  | 99       |
| -----                         |        |       |          |          |       |          |

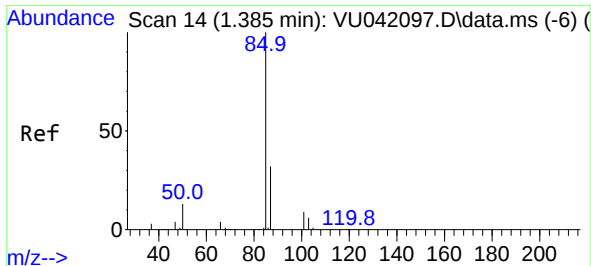
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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QLast Update : Thu Jan 21 04:09:50 2021  
Response via : Initial Calibration

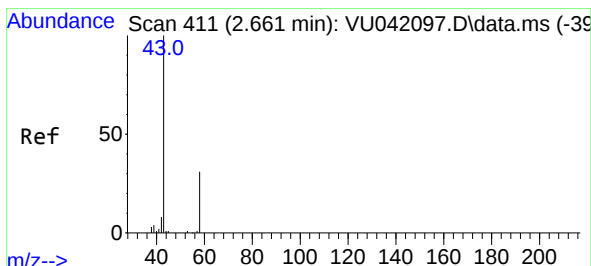
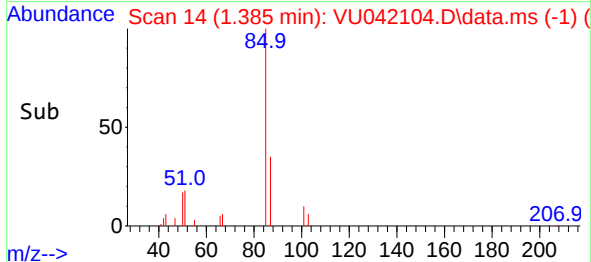
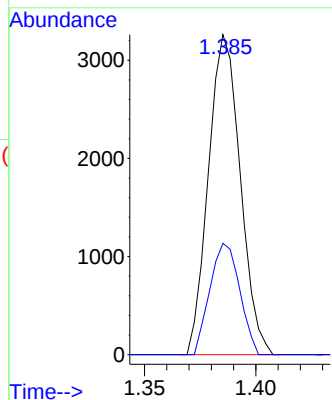
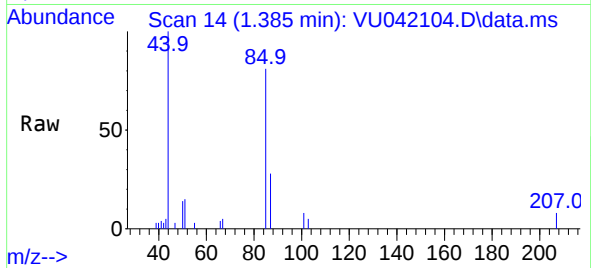




#2  
Dichlorodifluoromethane  
Concen: 0.29 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU042104.D  
Acq: 20 Jan 2021 14:35

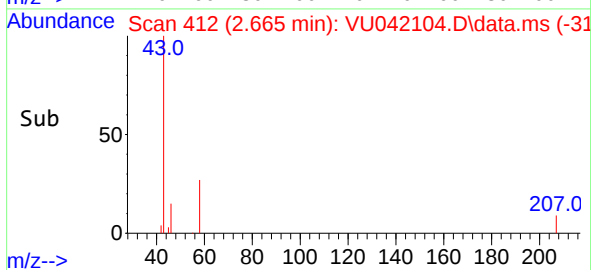
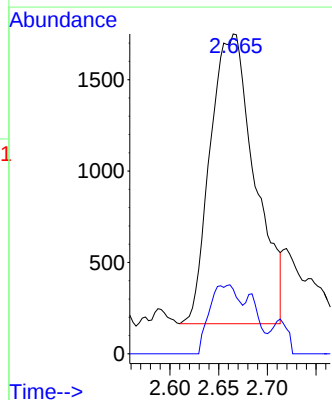
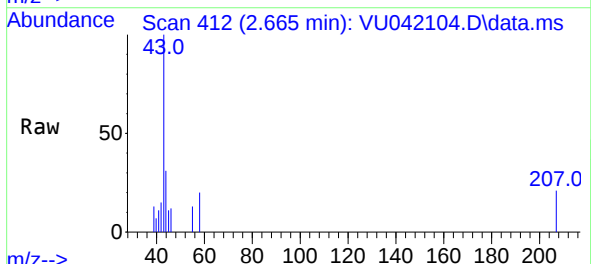
Instrument :  
MSVOA\_U  
ClientSampled :  
BFXT5

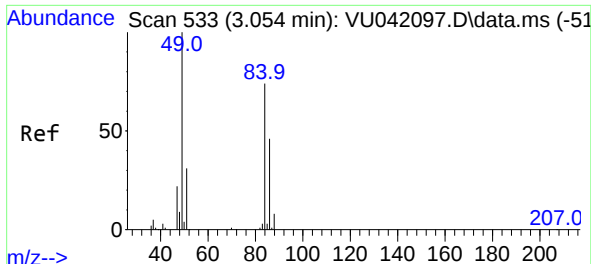
Tgt Ion: 85 Resp: 3238  
Ion Ratio Lower Upper  
85 100  
87 32.5 26.1 39.1



#13  
Acetone  
Concen: 2.72 ug/L  
RT: 2.665 min Scan# 412  
Delta R.T. 0.003 min  
Lab File: VU042104.D  
Acq: 20 Jan 2021 14:35

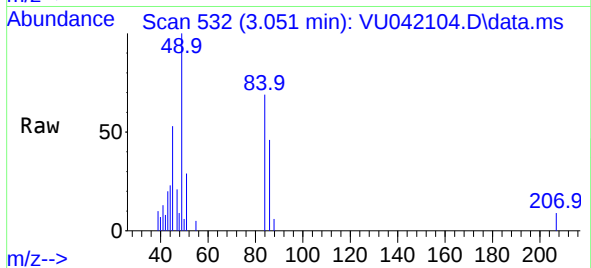
Tgt Ion: 43 Resp: 5032  
Ion Ratio Lower Upper  
43 100  
58 15.9 0.0 55.8



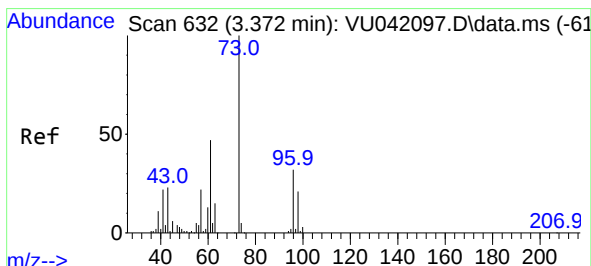
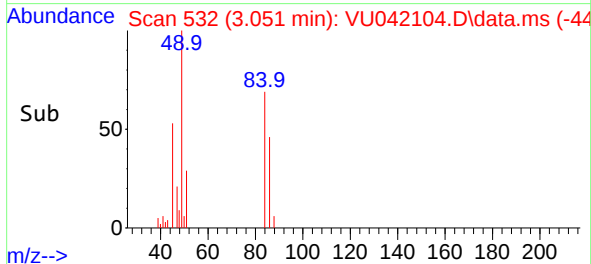
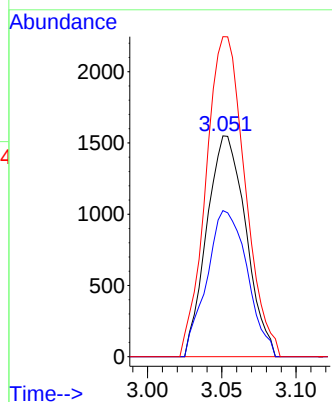


#16  
Methylene chloride  
Concen: 0.30 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. -0.003 min  
Lab File: VU042104.D  
Acq: 20 Jan 2021 14:35

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXT5

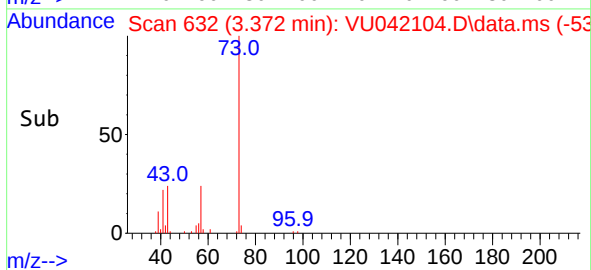
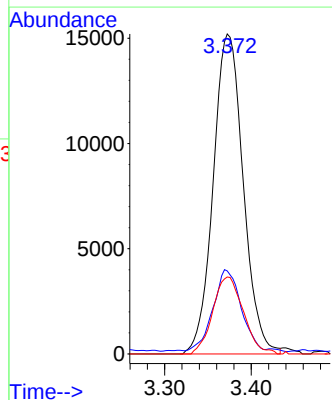
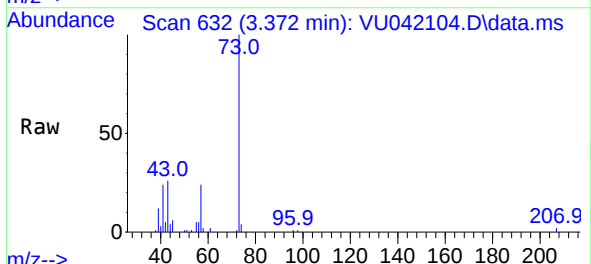


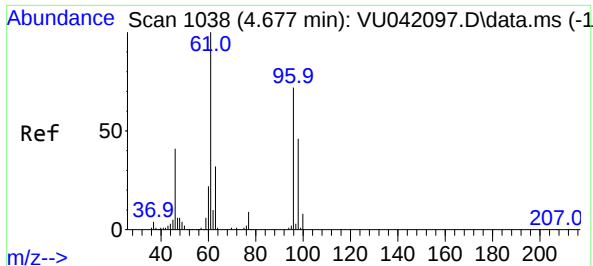
Tgt Ion: 84 Resp: 2836  
Ion Ratio Lower Upper  
84 100  
86 66.2 44.1 81.9  
49 144.9 95.0 176.4



#17  
Methyl tert-butyl Ether  
Concen: 1.58 ug/L  
RT: 3.372 min Scan# 632  
Delta R.T. 0.000 min  
Lab File: VU042104.D  
Acq: 20 Jan 2021 14:35

Tgt Ion: 73 Resp: 36613  
Ion Ratio Lower Upper  
73 100  
43 23.4 18.9 28.3  
57 24.5 18.2 27.4

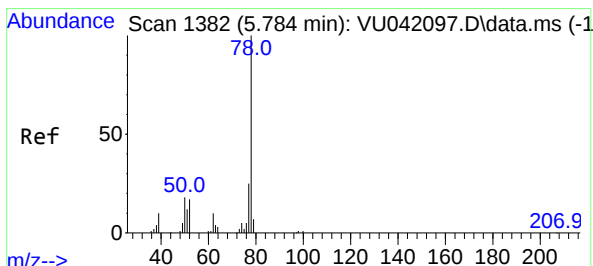
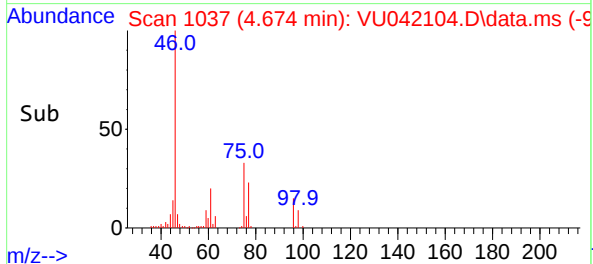
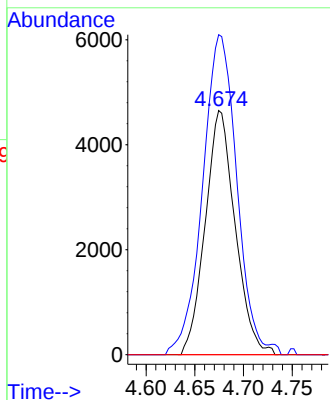
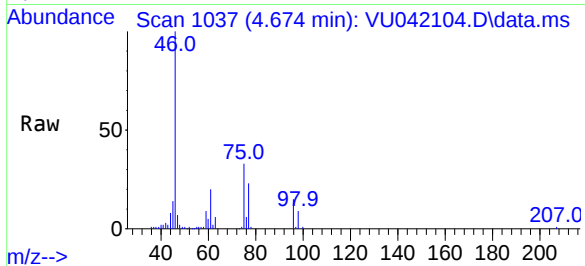




#22  
cis-1,2-Dichloroethene  
Concen: 1.10 ug/L  
RT: 4.674 min Scan# 1037  
Delta R.T. -0.003 min  
Lab File: VU042104.D  
Acq: 20 Jan 2021 14:35

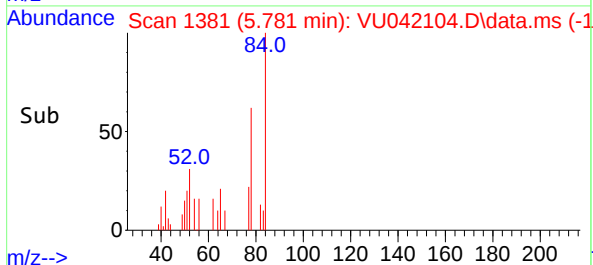
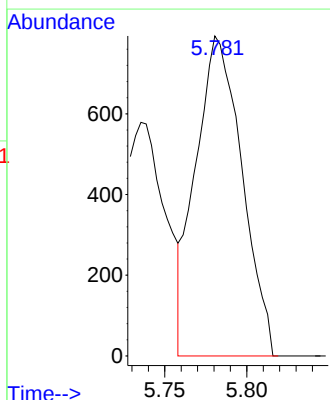
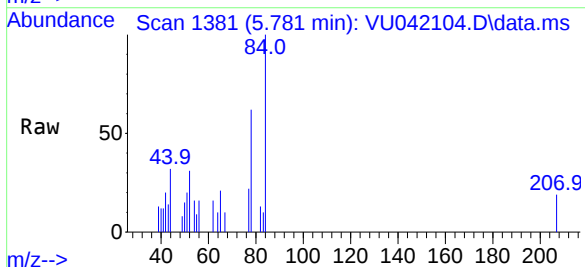
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXT5

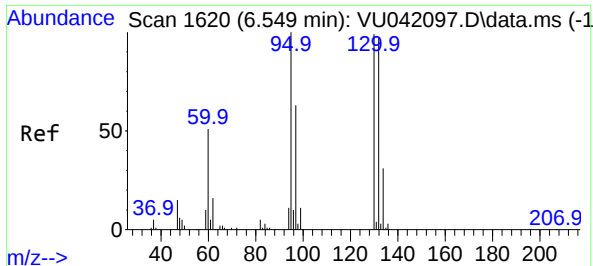
Tgt Ion: 96 Resp: 9955  
Ion Ratio Lower Upper  
96 100  
61 131.1 97.8 181.6  
68 0.0 0.0 0.0



#33  
Benzene  
Concen: 0.05 ug/L  
RT: 5.781 min Scan# 1381  
Delta R.T. -0.003 min  
Lab File: VU042104.D  
Acq: 20 Jan 2021 14:35

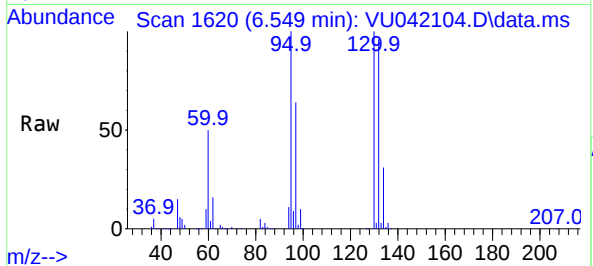
Tgt Ion: 78 Resp: 1554



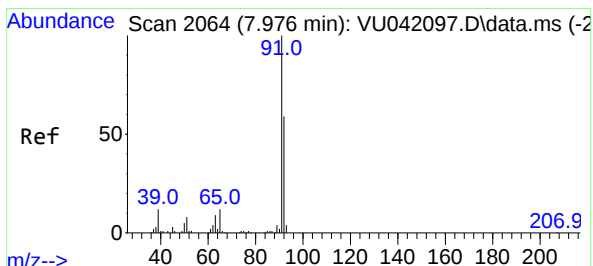
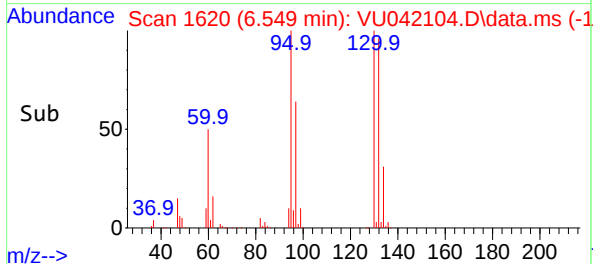
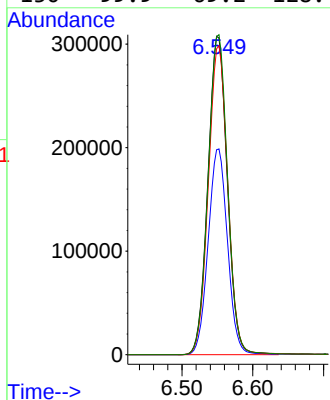


#34  
Trichloroethene  
Concen: 67.50 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VU042104.D  
Acq: 20 Jan 2021 14:35

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

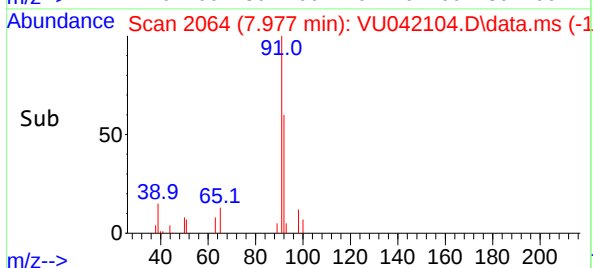
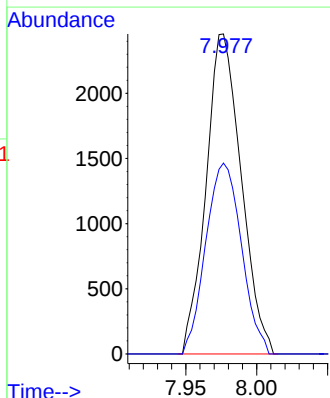
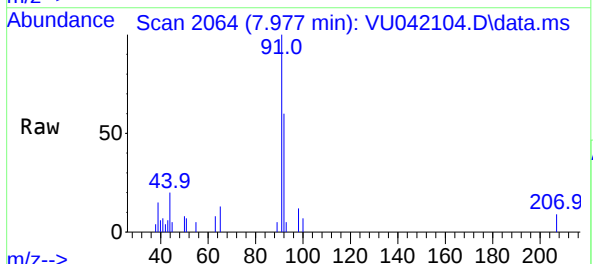


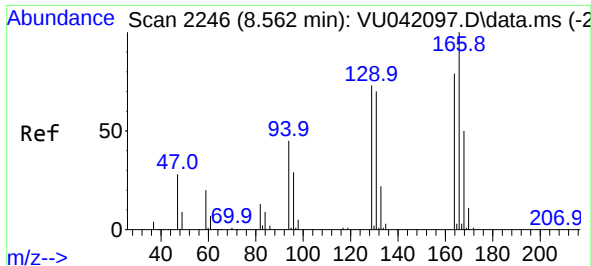
Tgt Ion: 95 Resp: 585260  
Ion Ratio Lower Upper  
95 100  
97 64.4 44.4 82.4  
132 96.0 68.0 126.4  
130 99.9 69.2 128.4



#42  
Toluene  
Concen: 0.12 ug/L  
RT: 7.977 min Scan# 2064  
Delta R.T. 0.000 min  
Lab File: VU042104.D  
Acq: 20 Jan 2021 14:35

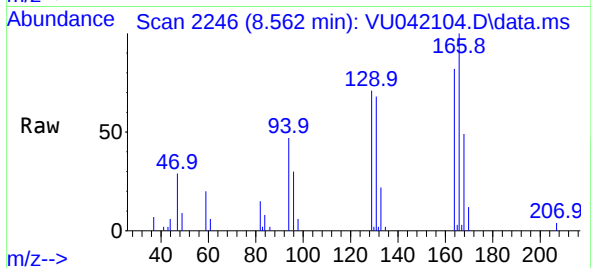
Tgt Ion: 91 Resp: 4237  
Ion Ratio Lower Upper  
91 100  
92 59.6 41.2 76.6





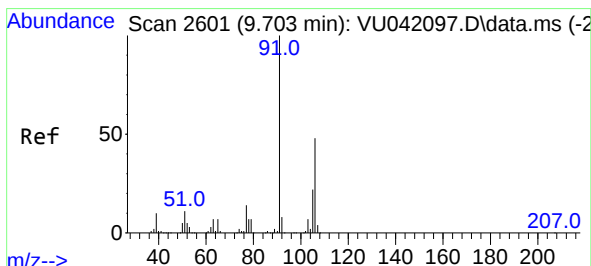
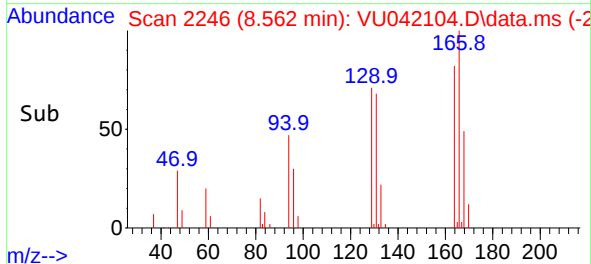
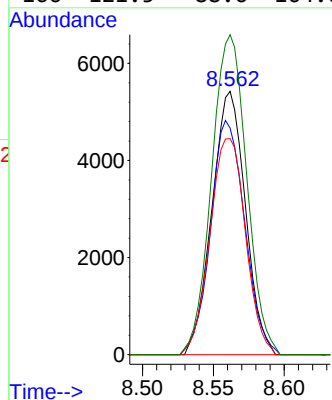
#47  
Tetrachloroethene  
Concen: 1.24 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. 0.000 min  
Lab File: VU042104.D  
Acq: 20 Jan 2021 14:35

Instrument :  
MSVOA\_U  
ClientSampled :  
BFXT5



Tgt Ion:164 Resp: 8907

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 86.0  | 64.3  | 119.5 |
| 131 | 82.0  | 62.2  | 115.6 |
| 166 | 121.5 | 88.6  | 164.6 |



#53  
m,p-Xylene  
Concen: 0.13 ug/L  
RT: 9.700 min Scan# 2600  
Delta R.T. -0.003 min  
Lab File: VU042104.D  
Acq: 20 Jan 2021 14:35

Tgt Ion:106 Resp: 1997

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 106 | 100   |       |       |
| 91  | 208.1 | 145.1 | 269.5 |

