

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042121\  
 Data File : VU043249.D  
 Acq On : 21 Apr 2021 14:43  
 Operator : SY/MD  
 Sample : M2088-04  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H4485

Quant Time: Apr 22 04:42:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 22 04:40:57 2021  
 Response via : Initial Calibration

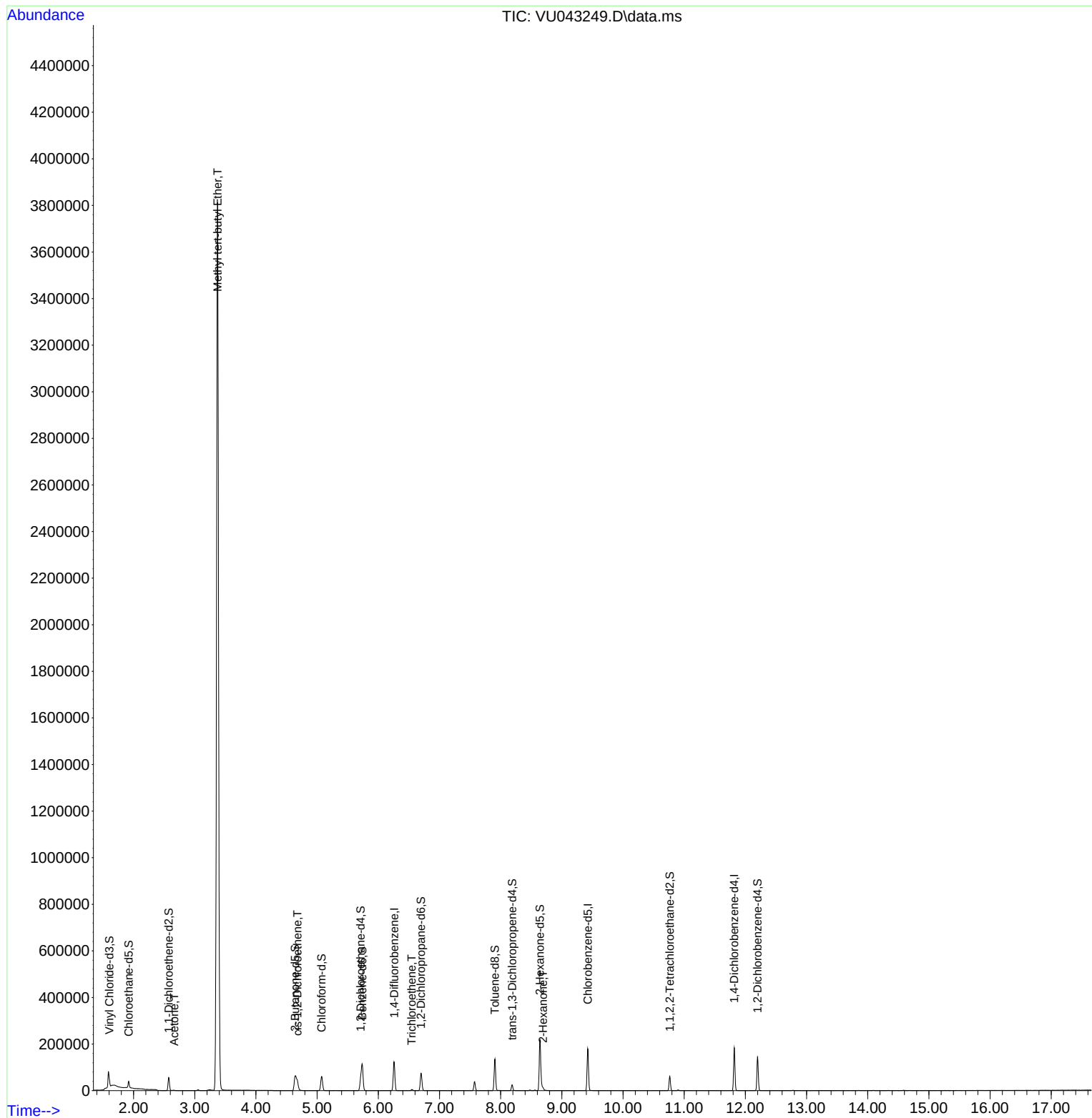
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.260  | 114   | 90126    | 5.00     | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 88636    | 5.00     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 43029    | 5.00     | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 16766    | 3.66     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 73.20%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 17981    | 4.17     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 83.40%   |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 10802    | 4.07     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 81.40%   |
| 20) 2-Butanone-d5             | 4.642  | 46    | 106970   | 53.22    | ug/L  | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 106.44%  |
| 24) Chloroform-d              | 5.073  | 84    | 53019    | 4.55     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 91.00%   |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 34352    | 4.36     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 87.20%   |
| 32) Benzene-d6                | 5.739  | 84    | 94032    | 4.56     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 91.20%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 31789    | 4.64     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 92.80%   |
| 41) Toluene-d8                | 7.906  | 98    | 81916    | 3.82     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 76.40%   |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 12349    | 4.09     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 81.80%   |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 66874    | 44.36    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 88.72%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 28815    | 4.79     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 95.80%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.198 | 152   | 34070    | 4.62     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 92.40%   |
| Target Compounds              |        |       |          |          |       |          |
| 13) Acetone                   | 2.665  | 43    | 2297     | 1.56     | ug/L  | # 68     |
| 17) Methyl tert-butyl Ether   | 3.372  | 73    | 3834077  | 234.07   | ug/L  | # 91     |
| 22) cis-1,2-Dichloroethene    | 4.678  | 96    | 14193    | 2.24     | ug/L  | 89       |
| 34) Trichloroethene           | 6.546  | 95    | 1796     | 0.28     | ug/L  | 77       |
| 48) 2-Hexanone                | 8.694  | 43    | 6078     | 1.38     | ug/L  | # 82     |

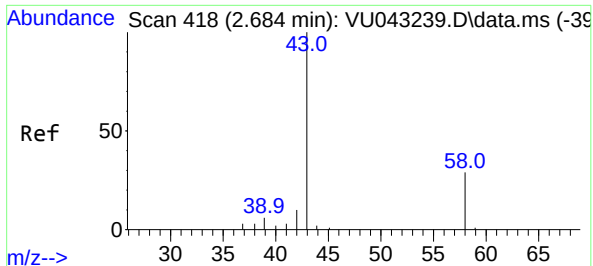
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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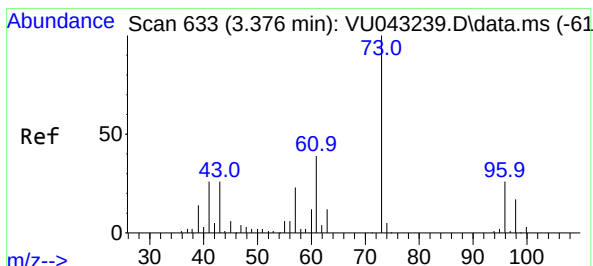
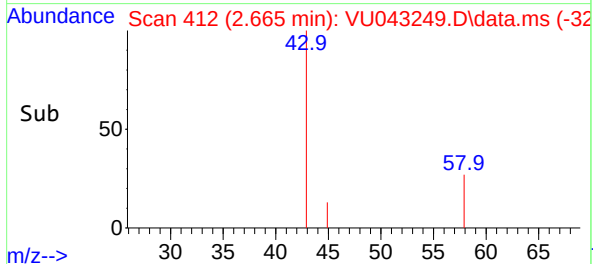
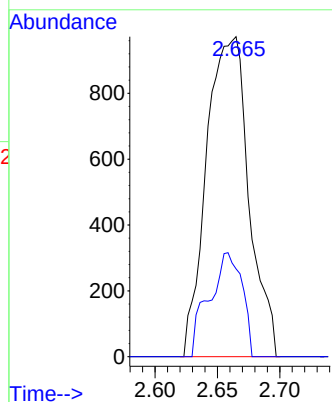
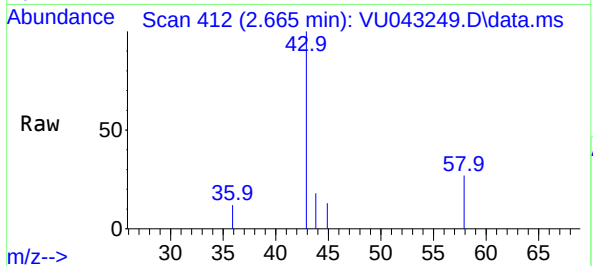




#13  
Acetone  
Concen: 1.56 ug/L  
RT: 2.665 min Scan# 412  
Delta R.T. -0.019 min  
Lab File: VU043249.D  
Acq: 21 Apr 2021 14:43

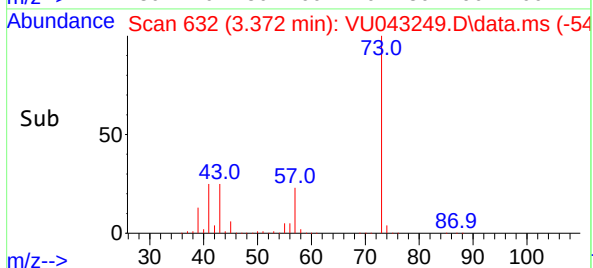
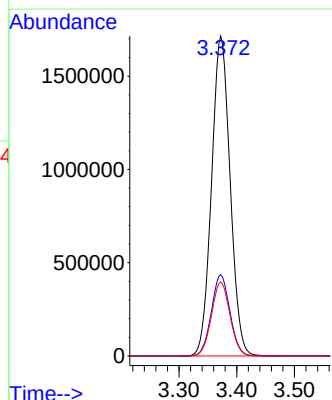
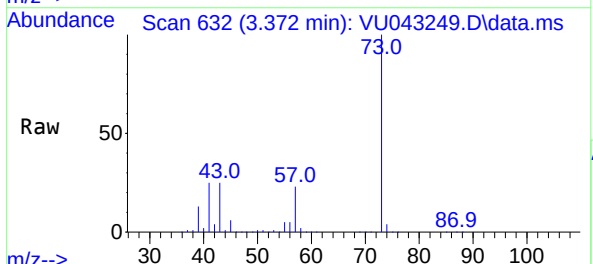
Instrument :  
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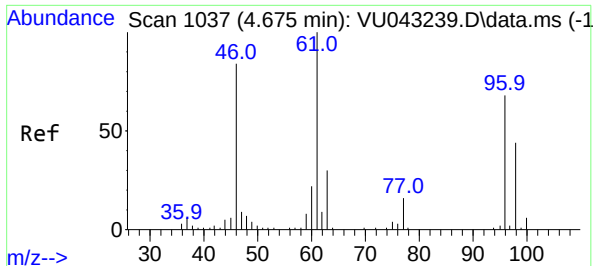
Tgt Ion: 43 Resp: 2297  
Ion Ratio Lower Upper  
43 100  
58 25.3 0.0 25.0#



#17  
Methyl tert-butyl Ether  
Concen: 234.07 ug/L  
RT: 3.372 min Scan# 632  
Delta R.T. -0.003 min  
Lab File: VU043249.D  
Acq: 21 Apr 2021 14:43

Tgt Ion: 73 Resp: 3834077  
Ion Ratio Lower Upper  
73 100  
43 25.3 15.0 22.4#  
57 23.1 17.3 25.9



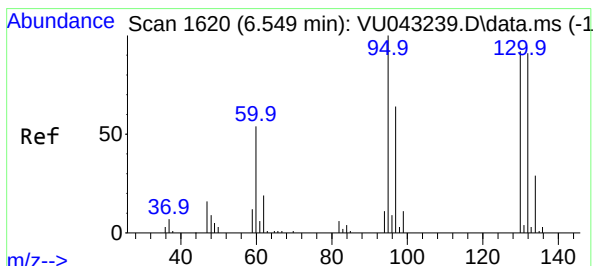
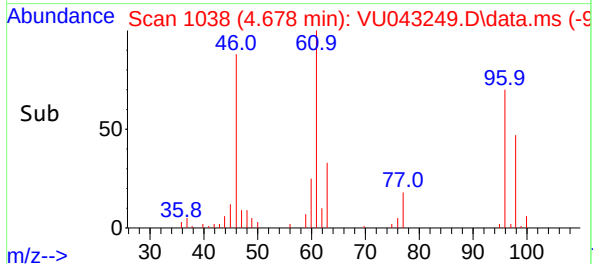
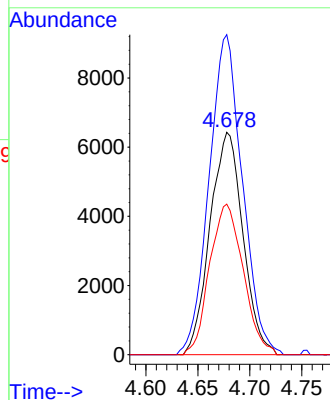
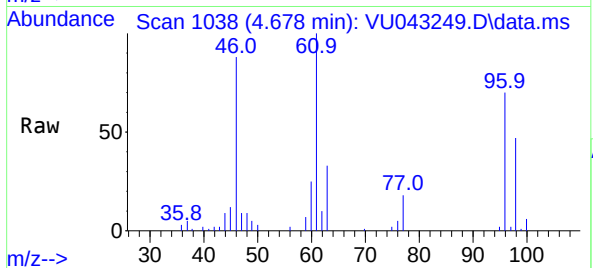


#22

cis-1,2-Dichloroethene  
Concen: 2.24 ug/L  
RT: 4.678 min Scan# 1038  
Delta R.T. 0.003 min  
Lab File: VU043249.D  
Acq: 21 Apr 2021 14:43

Instrument :  
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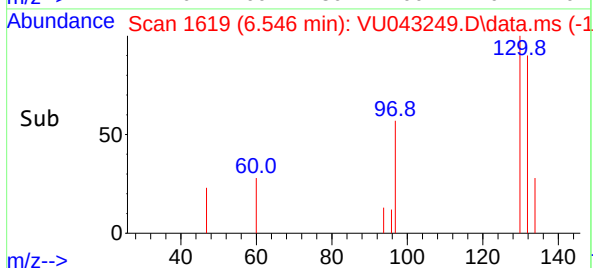
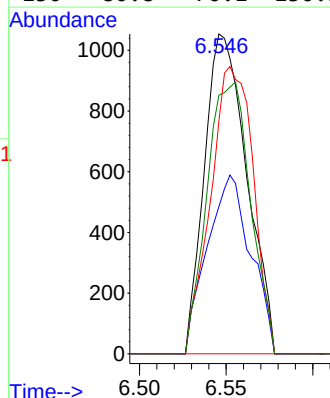
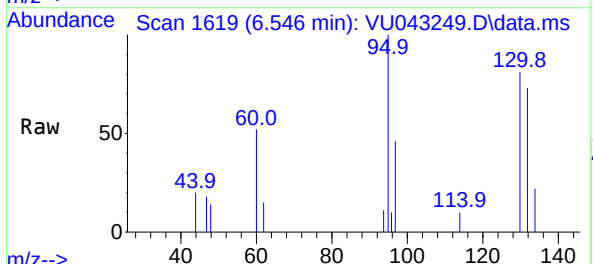
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 14193 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 143.9 | 87.4  | 162.4 |
| 98       | 67.7  | 47.7  | 88.5  |

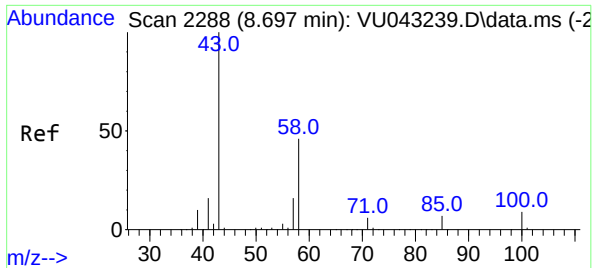


#34

Trichloroethene  
Concen: 0.28 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.003 min  
Lab File: VU043249.D  
Acq: 21 Apr 2021 14:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 1796  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 46.0  | 45.8  | 85.2  |
| 132      | 72.8  | 68.7  | 127.7 |
| 130      | 80.8  | 70.1  | 130.3 |





#48  
 2-Hexanone  
 Concen: 1.38 ug/L  
 RT: 8.694 min Scan# 2287  
 Delta R.T. -0.003 min  
 Lab File: VU043249.D  
 Acq: 21 Apr 2021 14:43

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Tgt Ion: 43 Resp: 6078

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 44.9  | 50.0  | 75.0# |
| 57  | 18.6  | 17.4  | 26.0  |
| 100 | 7.7   | 11.8  | 17.8# |

