

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111623\  
 Data File : VU056411.D  
 Acq On : 16 Nov 2023 16:44  
 Operator : MD/SY  
 Sample : 05371-03  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDN0

Quant Time: Nov 17 01:39:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 17 01:31:28 2023  
 Response via : Initial Calibration

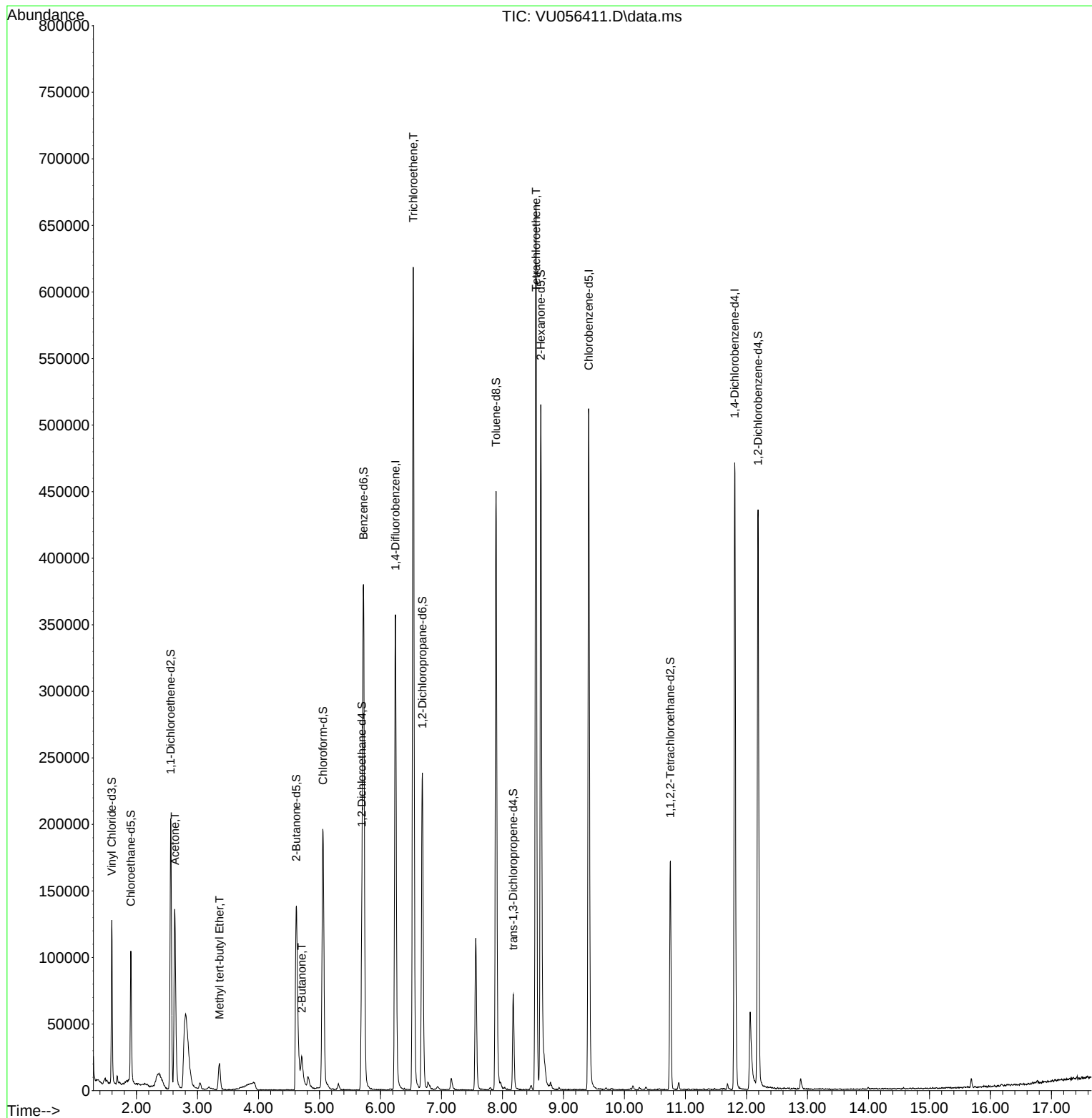
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 289167   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 291099   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 127092   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 85463    | 3.951    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.000%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 73240    | 4.416    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 88.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 39454    | 4.133    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 82.600%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 221821   | 51.433   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 102.860% |
| 24) Chloroform-d              | 5.055  | 84    | 185672   | 4.438    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 94601    | 4.894    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.800%  |
| 32) Benzene-d6                | 5.721  | 84    | 365797   | 4.218    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.686  | 67    | 116179   | 4.445    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.800%  |
| 41) Toluene-d8                | 7.894  | 98    | 307686   | 4.017    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 80.400%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 41162    | 4.106    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.200%  |
| 46) 2-Hexanone-d5             | 8.628  | 63    | 178727   | 45.366   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 90.740%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 85010    | 4.551    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 91.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 114232   | 4.865    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acetone                   | 2.628  | 43    | 171428   | 46.670   | ug/L   | 100      |
| 17) Methyl tert-butyl Ether   | 3.361  | 73    | 22396    | 0.521    | ug/L # | 94       |
| 21) 2-Butanone                | 4.711  | 43    | 33493    | 7.027    | ug/L # | 68       |
| 34) Trichloroethene           | 6.538  | 95    | 224070   | 9.901    | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.550  | 164   | 143818   | 9.424    | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

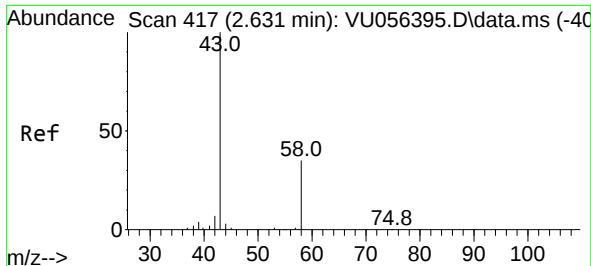
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 46.670 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU056411.D

Acq: 16 Nov 2023 16:44

Instrument :

MSVOA\_U

ClientSampleId :

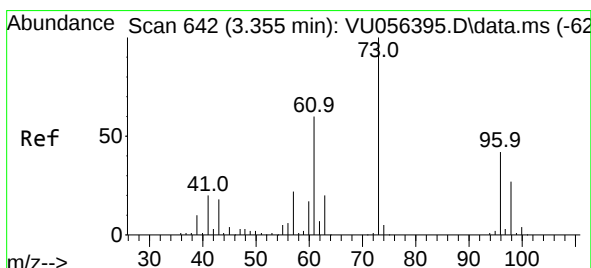
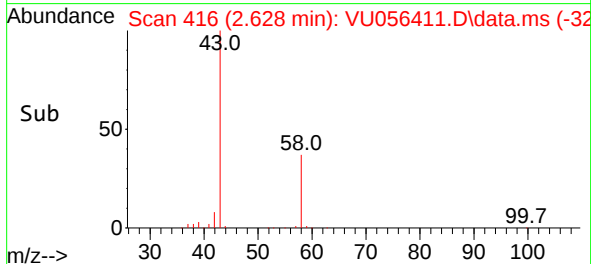
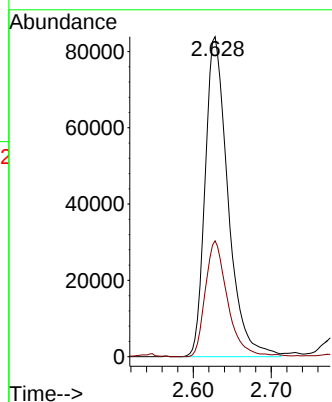
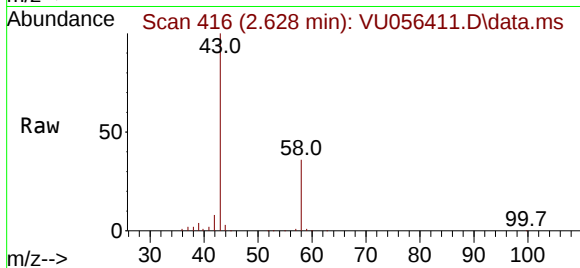
GCDN0

Tgt Ion: 43 Resp: 171428

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.0



#17

Methyl tert-butyl Ether

Concen: 0.521 ug/L

RT: 3.361 min Scan# 644

Delta R.T. 0.006 min

Lab File: VU056411.D

Acq: 16 Nov 2023 16:44

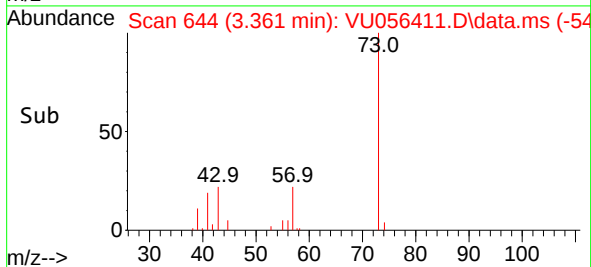
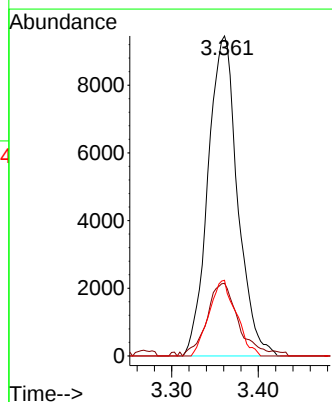
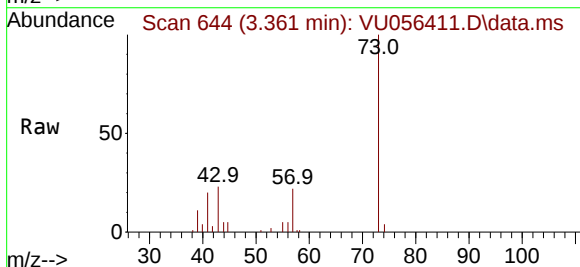
Tgt Ion: 73 Resp: 22396

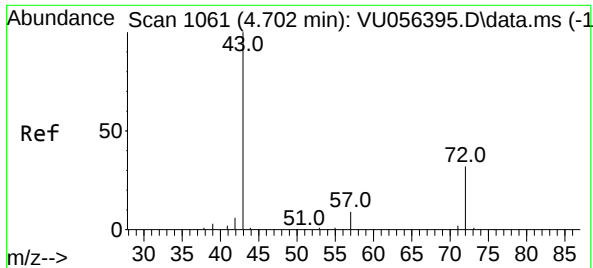
Ion Ratio Lower Upper

73 100

43 24.0 15.1 22.7#

57 21.7 17.8 26.8

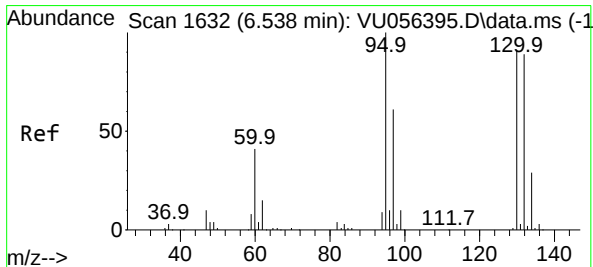
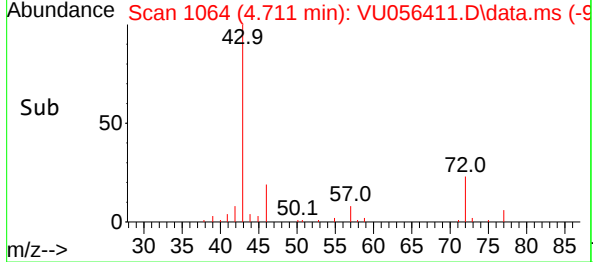
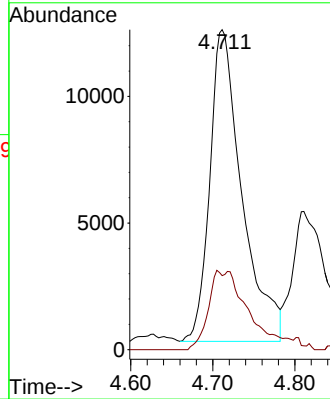
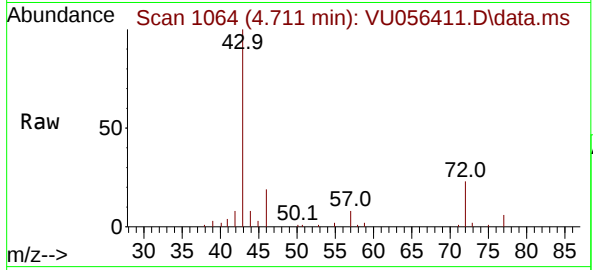




#21  
2-Butanone  
Concen: 7.027 ug/L  
RT: 4.711 min Scan# 1064  
Delta R.T. 0.009 min  
Lab File: VU056411.D  
Acq: 16 Nov 2023 16:44

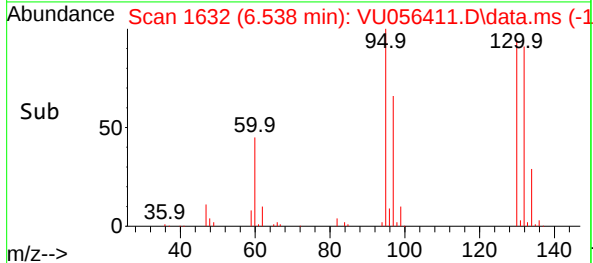
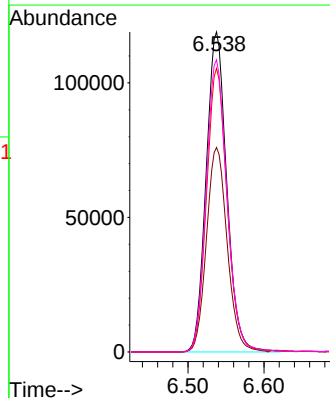
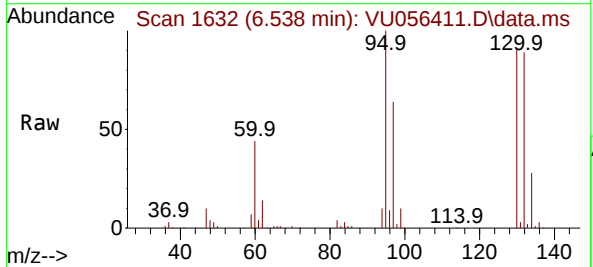
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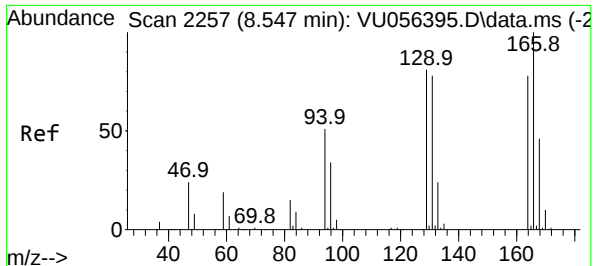
Tgt Ion: 43 Resp: 33493  
Ion Ratio Lower Upper  
43 100  
72 11.4 14.2 42.6#



#34  
Trichloroethene  
Concen: 9.901 ug/L  
RT: 6.538 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VU056411.D  
Acq: 16 Nov 2023 16:44

Tgt Ion: 95 Resp: 224070  
Ion Ratio Lower Upper  
95 100  
97 63.9 46.5 86.3  
132 88.6 62.0 115.2  
130 91.3 66.3 123.1





#47  
 Tetrachloroethene  
 Concen: 9.424 ug/L  
 RT: 8.550 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VU056411.D  
 Acq: 16 Nov 2023 16:44

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDN0

Tgt Ion:164 Resp: 143818

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 103.0 | 71.0  | 131.9 |
| 131 | 98.9  | 70.3  | 130.7 |
| 166 | 127.4 | 89.8  | 166.8 |

