

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121723\  
 Data File : VU056967.D  
 Acq On : 17 Dec 2023 14:50  
 Operator : MD/SY  
 Sample : 05842-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F7C15

Quant Time: Dec 18 01:17:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Dec 18 01:16:15 2023  
 Response via : Initial Calibration

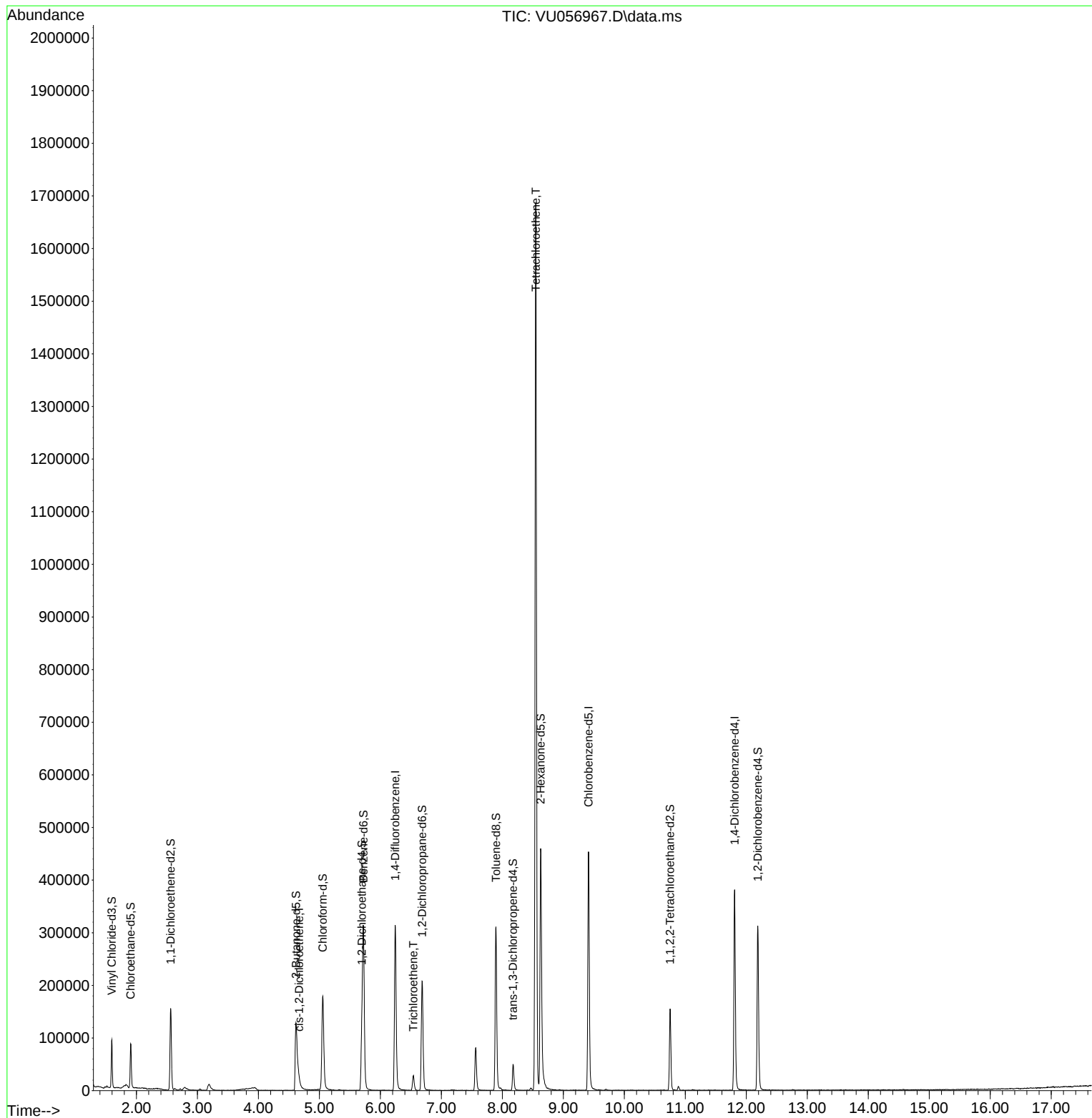
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 255720   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 263361   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.808 | 152   | 103394   | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 65207    | 2.975    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 59.400%  |
| 7) Chloroethane-d5            | 1.905  | 69    | 64833    | 3.953    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 79.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 30080    | 3.207    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 64.200%  |
| 20) 2-Butanone-d5             | 4.615  | 46    | 202948   | 46.883   | ug/L  | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 93.760%  |
| 24) Chloroform-d              | 5.056  | 84    | 171348   | 4.128    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 82.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 84469    | 4.300    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 86.000%  |
| 32) Benzene-d6                | 5.721  | 84    | 297508   | 3.642    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 72.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.686  | 67    | 106204   | 4.154    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 83.000%  |
| 41) Toluene-d8                | 7.895  | 98    | 215325   | 2.949    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 59.000%# |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 30328    | 3.059    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 61.200%  |
| 46) 2-Hexanone-d5             | 8.628  | 63    | 153451   | 41.034   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 82.060%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 77830    | 4.207    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 84.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 84419    | 4.153    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 83.000%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 22) cis-1,2-Dichloroethene    | 4.667  | 96    | 6861     | 0.300    | ug/L  | 96       |
| 34) Trichloroethene           | 6.541  | 95    | 10569    | 0.416    | ug/L  | 94       |
| 47) Tetrachloroethene         | 8.547  | 164   | 360455   | 20.286   | ug/L  | 95       |
| -----                         |        |       |          |          |       |          |

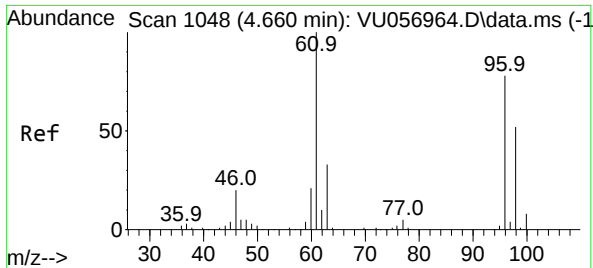
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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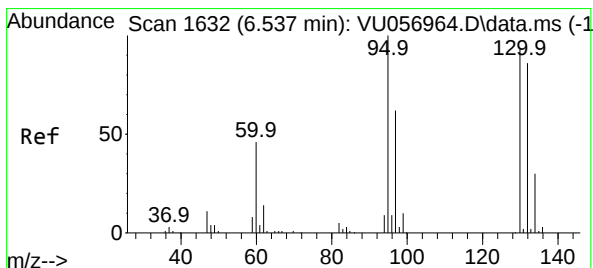
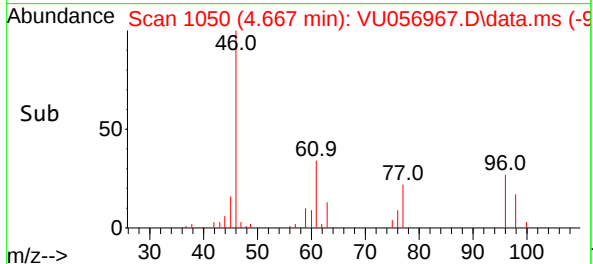
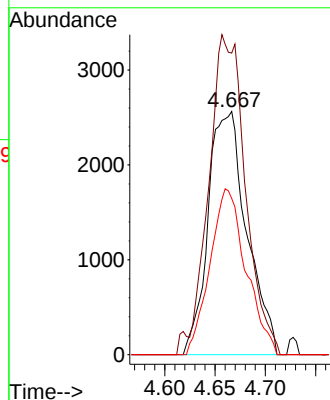
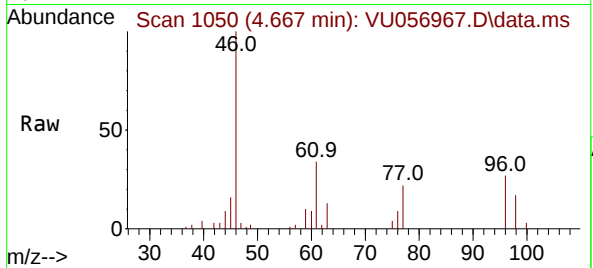




#22  
cis-1,2-Dichloroethene  
Concen: 0.300 ug/L  
RT: 4.667 min Scan# 1048  
Delta R.T. 0.007 min  
Lab File: VU056967.D  
Acq: 17 Dec 2023 14:50

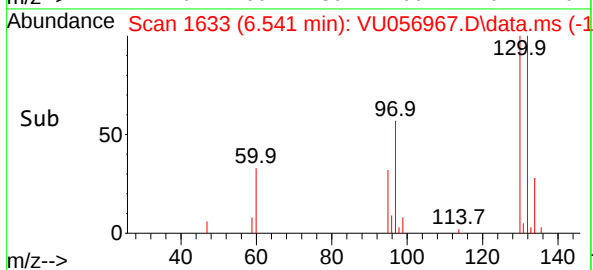
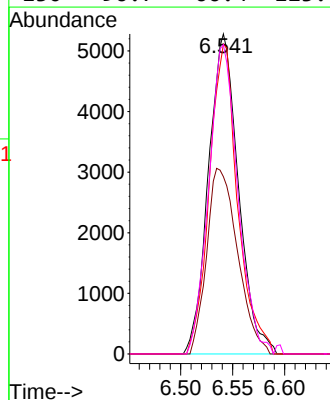
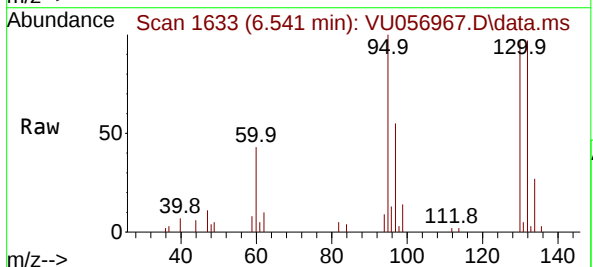
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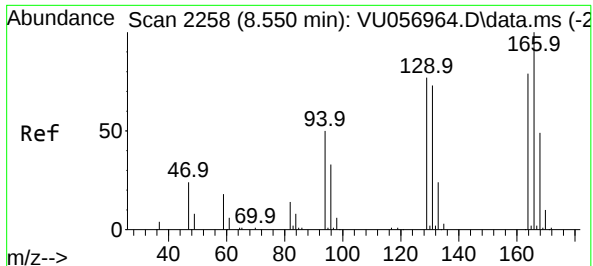
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 6861  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 124.0 | 91.3  | 169.6 |
| 98       | 64.2  | 44.2  | 82.0  |



#34  
Trichloroethene  
Concen: 0.416 ug/L  
RT: 6.541 min Scan# 1633  
Delta R.T. 0.004 min  
Lab File: VU056967.D  
Acq: 17 Dec 2023 14:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 10569 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 55.4  | 46.1  | 85.5  |
| 132      | 96.8  | 63.6  | 118.0 |
| 130      | 96.7  | 66.4  | 123.4 |





#47  
 Tetrachloroethene  
 Concen: 20.286 ug/L  
 RT: 8.547 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VU056967.D  
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Tgt Ion:164 Resp: 360455

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 101.5 | 73.4  | 136.4 |
| 131 | 97.8  | 71.5  | 132.9 |
| 166 | 125.1 | 92.7  | 172.1 |

