

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121823\  
 Data File : VU056992.D  
 Acq On : 18 Dec 2023 14:42  
 Operator : MD/SY  
 Sample : 05842-01DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F7C14DL

Quant Time: Dec 19 01:40:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 19 01:20:32 2023  
 Response via : Initial Calibration

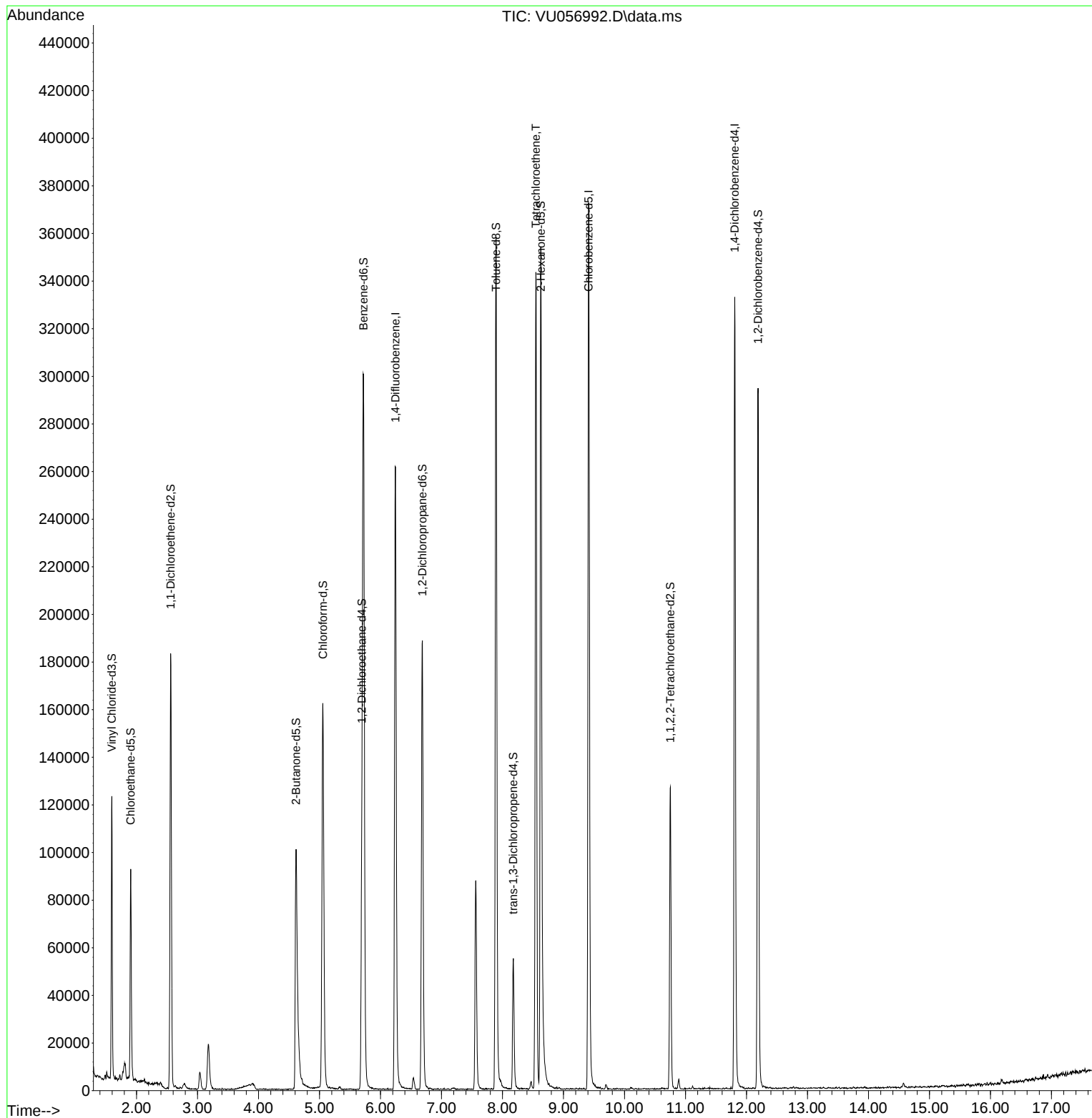
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 210122   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 214110   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 89030    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 84621    | 4.698    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 94.000%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 67495    | 5.008    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 100.200% |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 35415    | 4.596    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.000%  |
| 20) 2-Butanone-d5             | 4.615  | 46    | 142183   | 39.974   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 79.940%  |
| 24) Chloroform-d              | 5.055  | 84    | 154677   | 4.535    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 76180    | 4.720    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.400%  |
| 32) Benzene-d6                | 5.721  | 84    | 292839   | 4.409    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 91931    | 4.423    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.400%  |
| 41) Toluene-d8                | 7.894  | 98    | 242220   | 4.081    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 81.600%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 33765    | 4.189    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 83.800%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 117372   | 38.605   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 77.220%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 64098    | 4.262    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 85.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 80673    | 4.610    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 47) Tetrachloroethene         | 8.547  | 164   | 73845    | 5.112    | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

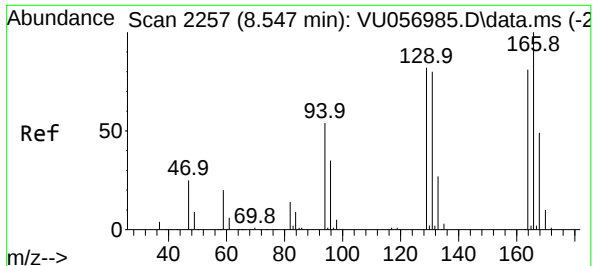
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#47  
 Tetrachloroethene  
 Concen: 5.112 ug/L  
 RT: 8.547 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU056992.D  
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Tgt Ion:164 Resp: 73845

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 109.2 | 73.4  | 136.4 |
| 131 | 101.4 | 71.5  | 132.9 |
| 166 | 131.5 | 92.7  | 172.1 |

