

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090123\  
 Data File : VU055075.D  
 Acq On : 02 Sep 2023 05:32  
 Operator : MD/SY  
 Sample : 04250-13  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH4B9

Quant Time: Sep 04 01:35:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 02 00:23:04 2023  
 Response via : Initial Calibration

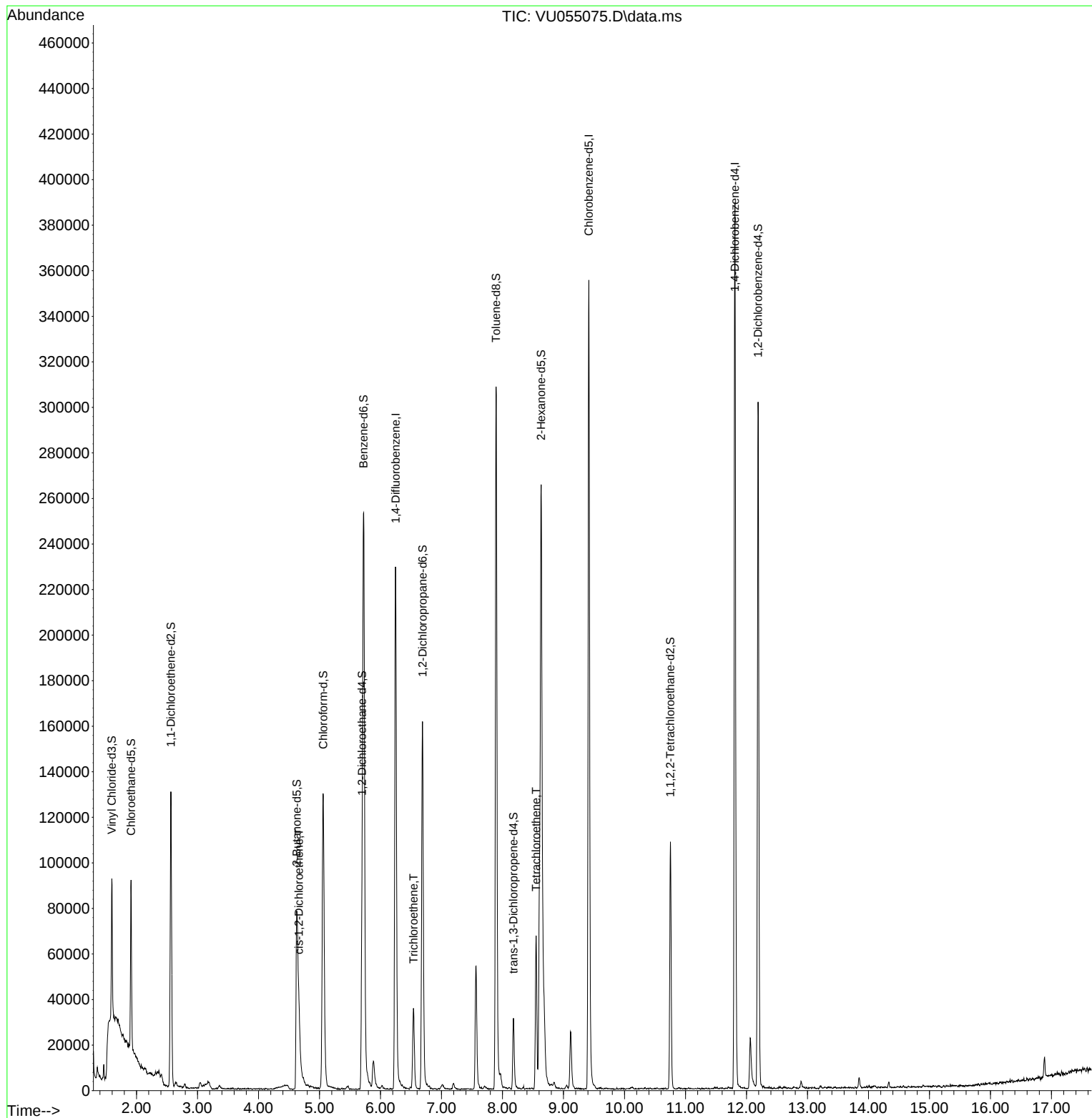
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114            | 188351   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117            | 192890   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.810 | 152            | 98090    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65             | 39119    | 4.431  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 88.600%  |          |
| 7) Chloroethane-d5            | 1.911  | 69             | 49790    | 4.873  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 97.400%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 24020    | 4.775  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 95.600%  |          |
| 20) 2-Butanone-d5             | 4.627  | 46             | 137261   | 53.582 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 107.160% |          |
| 24) Chloroform-d              | 5.058  | 84             | 120813   | 5.157  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 103.200% |          |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65             | 61729    | 5.267  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 105.400% |          |
| 32) Benzene-d6                | 5.724  | 84             | 237946   | 4.997  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 100.000% |          |
| 36) 1,2-Dichloropropane-d6    | 6.688  | 67             | 76174    | 5.030  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 100.600% |          |
| 41) Toluene-d8                | 7.894  | 98             | 210660   | 4.803  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 96.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79             | 18607    | 4.462  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 89.200%  |          |
| 46) 2-Hexanone-d5             | 8.634  | 63             | 85165    | 50.301 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 100.600% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84             | 53033    | 4.979  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 99.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152            | 75838    | 5.297  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 106.000% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96             | 6040     | 0.559  | ug/L     | 88       |
| 34) Trichloroethene           | 6.541  | 95             | 11555    | 1.013  | ug/L     | 94       |
| 47) Tetrachloroethene         | 8.550  | 164            | 13841    | 1.755  | ug/L     | 97       |
| -----                         |        |                |          |        |          |          |

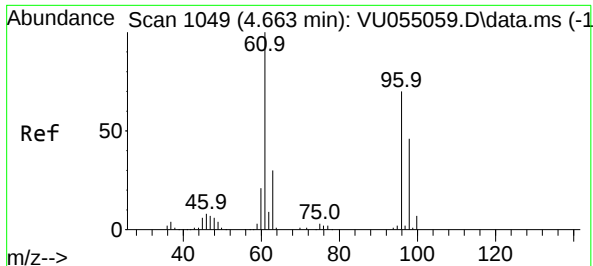
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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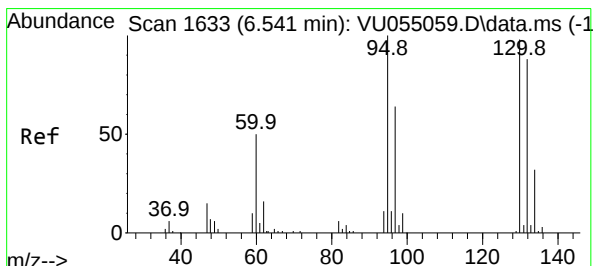
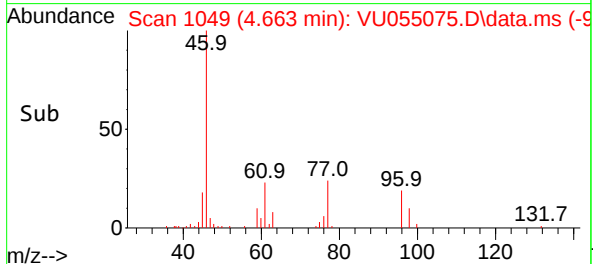
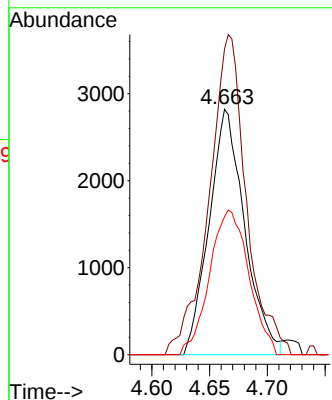
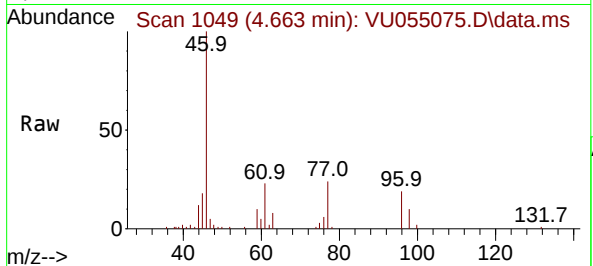




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.559 ug/L  
 RT: 4.663 min Scan# 1049  
 Delta R.T. -0.000 min  
 Lab File: VU055075.D  
 Acq: 02 Sep 2023 05:32

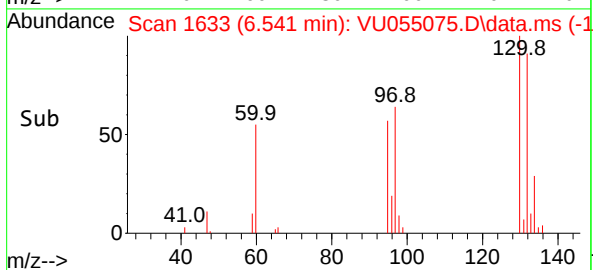
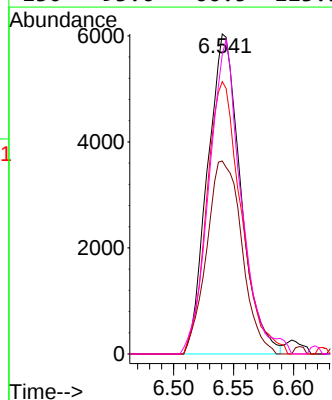
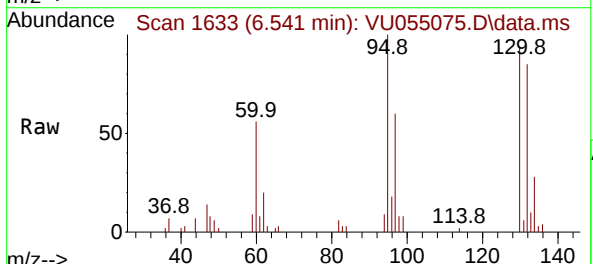
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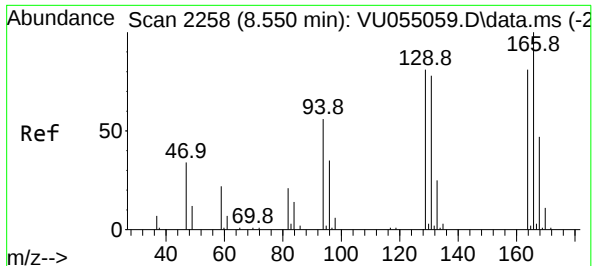
Tgt Ion: 96 Resp: 6040  
 Ion Ratio Lower Upper  
 96 100  
 61 124.5 97.2 180.4  
 98 56.2 46.1 85.7



#34  
 Trichloroethene  
 Concen: 1.013 ug/L  
 RT: 6.541 min Scan# 1633  
 Delta R.T. -0.000 min  
 Lab File: VU055075.D  
 Acq: 02 Sep 2023 05:32

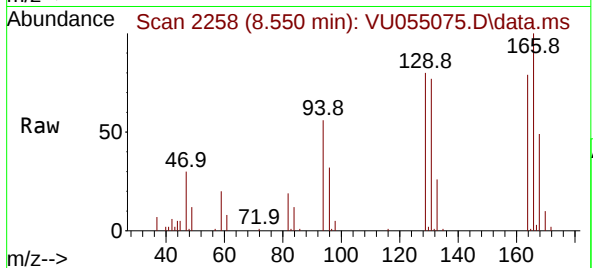
Tgt Ion: 95 Resp: 11555  
 Ion Ratio Lower Upper  
 95 100  
 97 60.3 44.7 83.1  
 132 85.1 66.6 123.6  
 130 93.6 66.5 123.5





#47  
 Tetrachloroethene  
 Concen: 1.755 ug/L  
 RT: 8.550 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VU055075.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 13841 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 101.8 | 69.2  | 128.6 |
| 131      | 97.0  | 68.8  | 127.8 |
| 166      | 126.5 | 92.3  | 171.5 |

