

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072324\  
 Data File : VW036642.D  
 Acq On : 23 Jul 2024 13:36  
 Operator : SY/MD  
 Sample : P3328-04  
 Misc : 8.23g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E1ZT5

Quant Time: Jul 24 00:59:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 24 00:57:38 2024  
 Response via : Initial Calibration

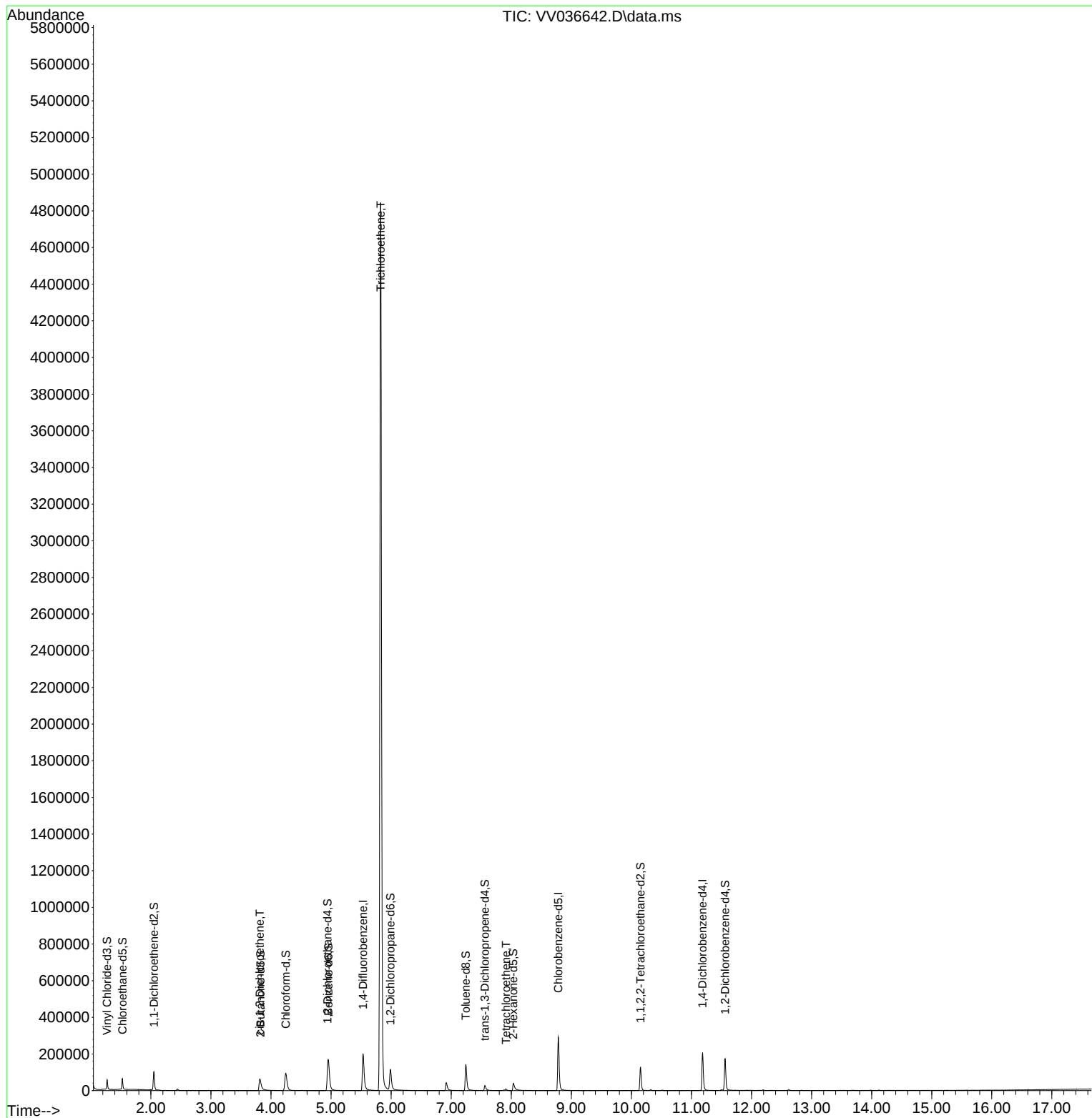
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 199492   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 183436   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 64026    | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 32528    | 14.887   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 59.560%  |
| 7) Chloroethane-d5            | 1.526  | 69    | 37297    | 18.900   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 75.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.050  | 65    | 16025    | 13.871   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 55.480%  |
| 21) 2-Butanone-d5             | 3.828  | 46    | 22207    | 43.551   | ug/L  | -0.01    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 87.100%  |
| 24) Chloroform-d              | 4.246  | 84    | 108556   | 20.575   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 82.320%  |
| 26) 1,2-Dichloroethane-d4     | 4.941  | 65    | 58957    | 22.651   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 90.600%  |
| 32) Benzene-d6                | 4.957  | 84    | 146900   | 16.897   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 67.600%  |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 54721    | 22.090   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 88.360%  |
| 41) Toluene-d8                | 7.243  | 98    | 108893   | 13.125   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 52.480%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 18670    | 16.954   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 67.800%  |
| 47) 2-Hexanone-d5             | 8.034  | 63    | 14118    | 42.825   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 85.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84    | 60210    | 27.887   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 111.560% |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 51221    | 22.917   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 91.680%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 20) cis-1,2-Dichloroethene    | 3.812  | 96    | 32594    | 10.042   | ug/L  | 96       |
| 34) Trichloroethene           | 5.825  | 95    | 1650967  | 484.282  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.911  | 164   | 2464     | 0.728    | ug/L  | 91       |
| -----                         |        |       |          |          |       |          |

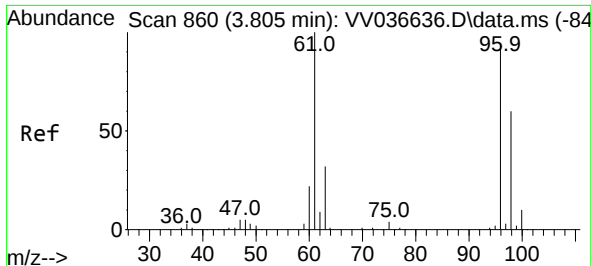
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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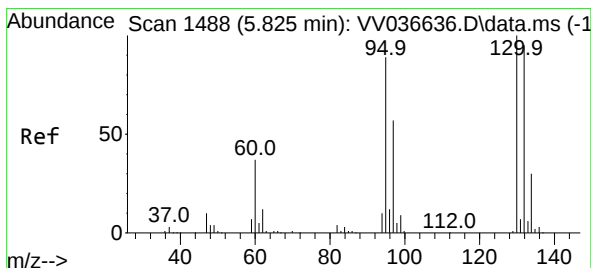
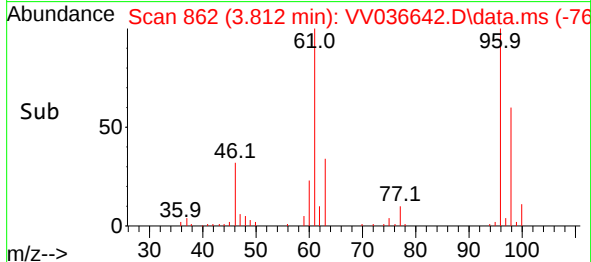
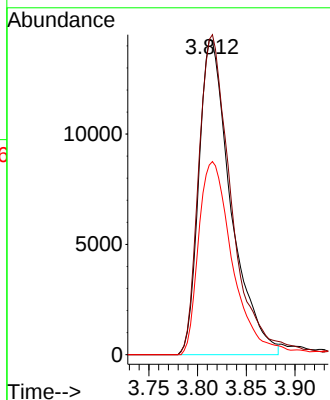
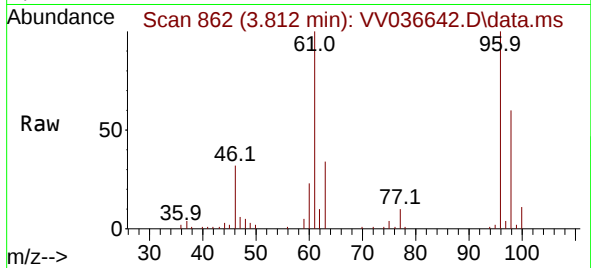




#20  
cis-1,2-Dichloroethene  
Concen: 10.042 ug/L  
RT: 3.812 min Scan# 862  
Delta R.T. 0.007 min  
Lab File: VV036642.D  
Acq: 23 Jul 2024 13:36

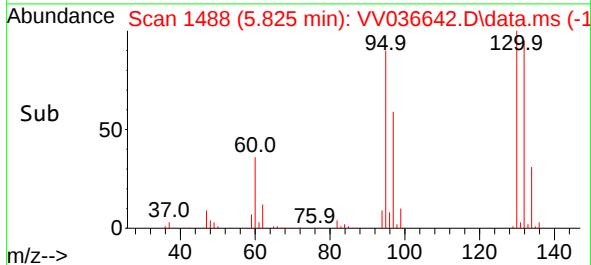
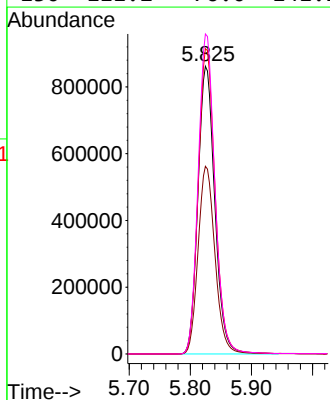
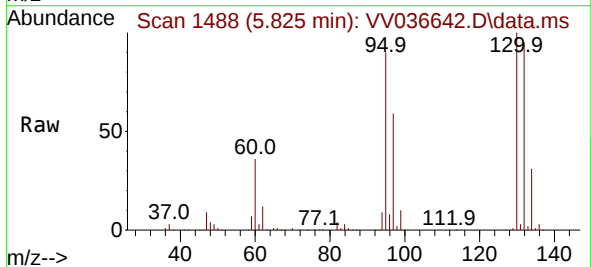
Instrument :  
MSVOA\_V  
ClientSampleId :  
E1ZT5

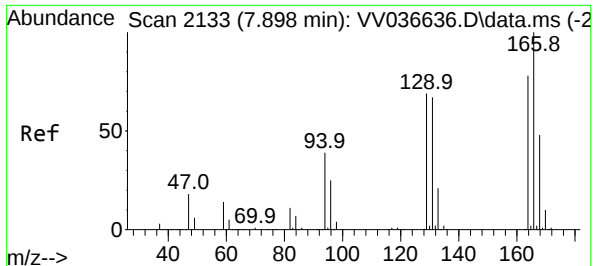
Tgt Ion: 96 Resp: 32594  
Ion Ratio Lower Upper  
96 100  
61 100.2 73.0 135.6  
98 60.3 44.8 83.2



#34  
Trichloroethene  
Concen: 484.282 ug/L  
RT: 5.825 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: VV036642.D  
Acq: 23 Jul 2024 13:36

Tgt Ion: 95 Resp: 1650967  
Ion Ratio Lower Upper  
95 100  
97 65.2 45.1 83.7  
132 106.1 72.7 134.9  
130 111.2 76.0 141.2





#46  
Tetrachloroethene  
Concen: 0.728 ug/L  
RT: 7.911 min Scan# 21  
Delta R.T. 0.013 min  
Lab File: VV036642.D  
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MSVOA\_V  
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|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 2464  |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 89.1    | 61.0  | 113.2 |
| 131 | 83.0    | 60.1  | 111.5 |
| 166 | 108.0   | 89.7  | 166.7 |

