

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
 Data File : VW026891.D  
 Acq On : 25 Aug 2023 13:30  
 Operator : SY/MD  
 Sample : 04157-07  
 Misc : 6.20g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 26 01:46:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Aug 26 01:43:45 2023  
 Response via : Initial Calibration

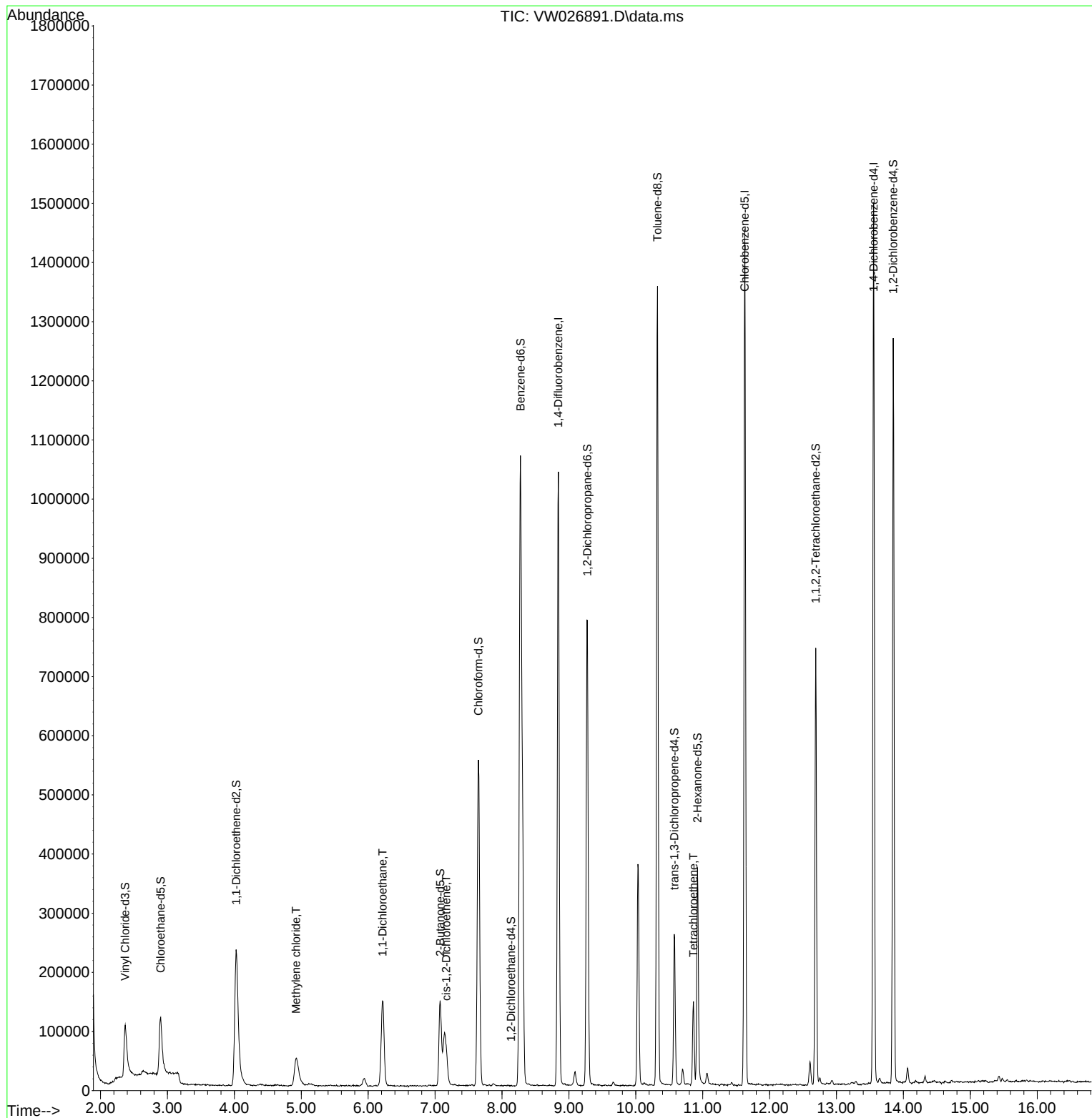
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|-------|-----------|
| -----                         |        |       |          |          |       |           |
| Internal Standards            |        |       |          |          |       |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 803603   | 25.000   | ug/L  | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 744852   | 25.000   | ug/L  | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 352748   | 25.000   | ug/L  | 0.00      |
|                               |        |       |          |          |       |           |
| System Monitoring Compounds   |        |       |          |          |       |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 185943   | 14.076   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 56.320%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 164661   | 16.762   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 67.040%   |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 100960   | 15.539   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 62.160%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 261259   | 68.808   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 137.620%# |
| 24) Chloroform-d              | 7.648  | 84    | 557750   | 20.680   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 82.720%   |
| 26) 1,2-Dichloroethane-d4     | 8.136  | 65    | 119      | 0.008    | ug/L  | -0.17     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 0.040%#   |
| 32) Benzene-d6                | 8.276  | 84    | 1039723  | 20.254   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 81.000%   |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 371392   | 23.226   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 92.920%   |
| 41) Toluene-d8                | 10.325 | 98    | 832888   | 18.901   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 75.600%   |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 139503   | 21.130   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 84.520%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 125296   | 74.572   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 149.140%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 375151   | 29.708   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 118.840%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 298620   | 23.652   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 94.600%   |
|                               |        |       |          |          |       |           |
| Target Compounds              |        |       |          |          |       | Qvalue    |
| 16) Methylene chloride        | 4.923  | 84    | 50454    | 3.246    | ug/L  | 96        |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 220729   | 8.091    | ug/L  | 99        |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 22063    | 1.549    | ug/L  | 96        |
| 46) Tetrachloroethene         | 10.861 | 164   | 30234    | 3.012    | ug/L  | 96        |
| -----                         |        |       |          |          |       |           |

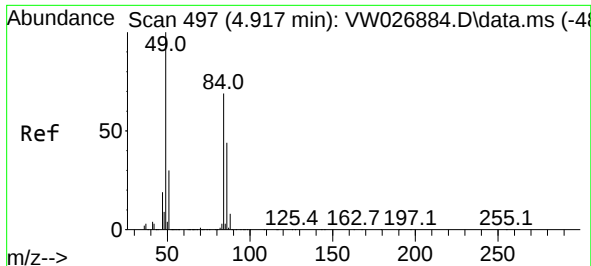
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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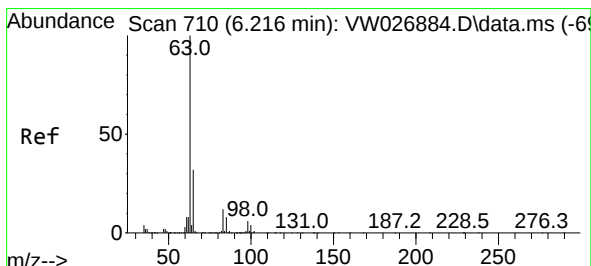
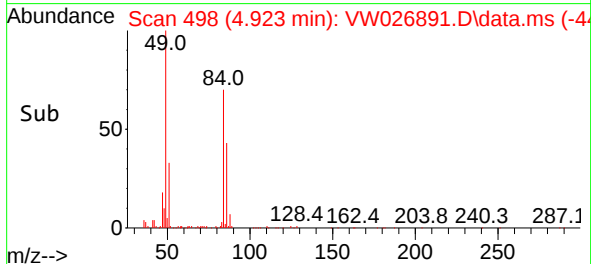
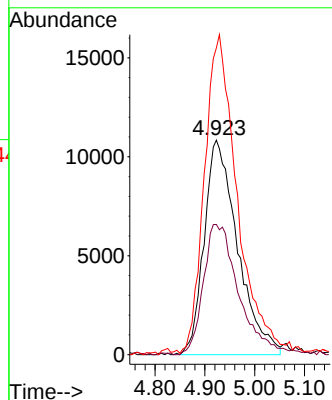
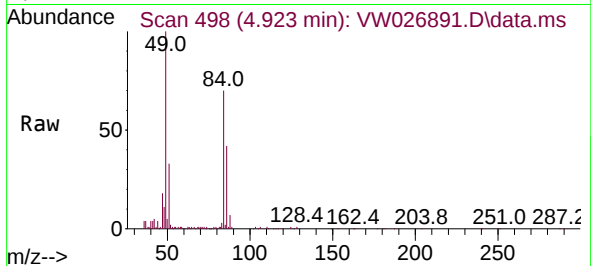




#16  
Methylene chloride  
Concen: 3.246 ug/L  
RT: 4.923 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VW026891.D  
Acq: 25 Aug 2023 13:30

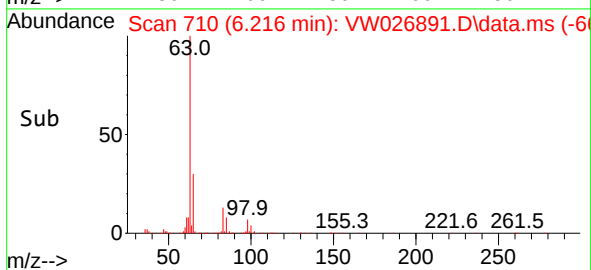
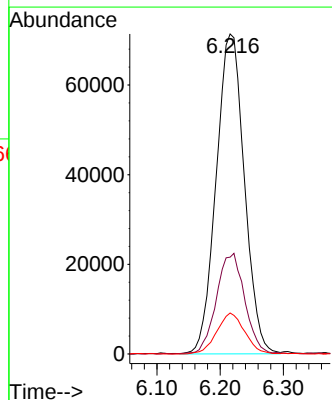
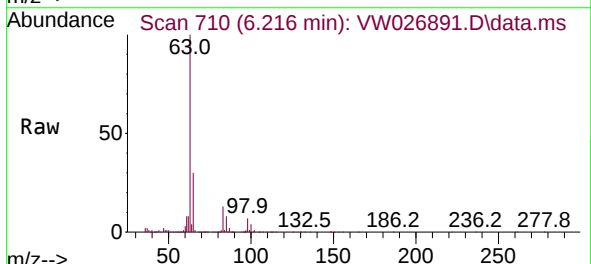
Instrument :  
MSVOA\_W  
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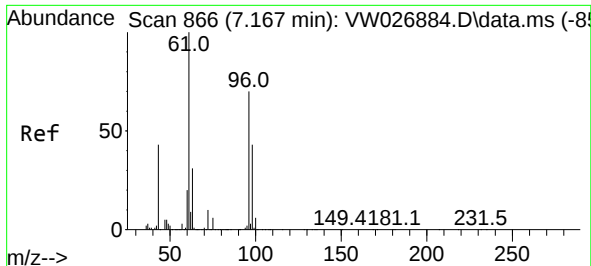
Tgt Ion: 84 Resp: 50454  
Ion Ratio Lower Upper  
84 100  
86 60.7 43.5 80.9  
49 142.9 96.0 178.2



#19  
1,1-Dichloroethane  
Concen: 8.091 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. -0.000 min  
Lab File: VW026891.D  
Acq: 25 Aug 2023 13:30

Tgt Ion: 63 Resp: 220729  
Ion Ratio Lower Upper  
63 100  
65 30.3 21.8 40.6  
83 12.8 9.0 16.6

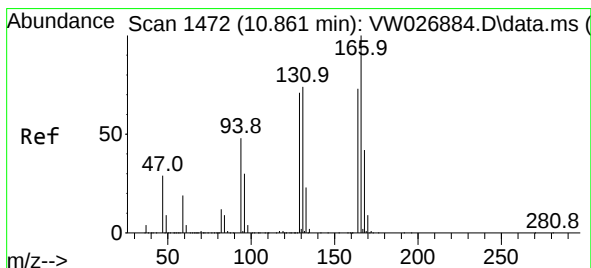
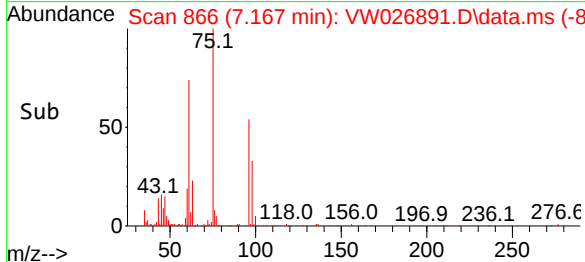
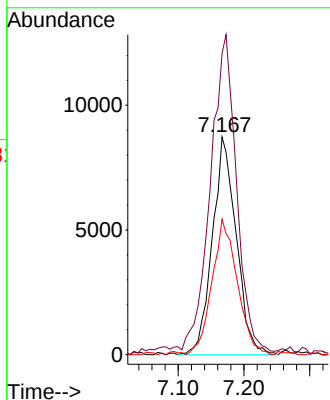
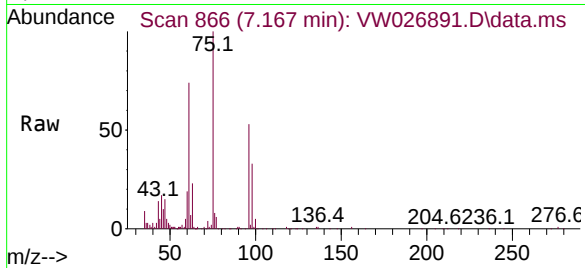




#20  
 cis-1,2-Dichloroethene  
 Concen: 1.549 ug/L  
 RT: 7.167 min Scan# 866  
 Delta R.T. -0.000 min  
 Lab File: VW026891.D  
 Acq: 25 Aug 2023 13:30

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Tgt Ion: 96 Resp: 22063  
 Ion Ratio Lower Upper  
 96 100  
 61 138.4 101.2 188.0  
 98 62.2 43.8 81.3



#46  
 Tetrachloroethene  
 Concen: 3.012 ug/L  
 RT: 10.861 min Scan# 1472  
 Delta R.T. -0.000 min  
 Lab File: VW026891.D  
 Acq: 25 Aug 2023 13:30

Tgt Ion:164 Resp: 30234  
 Ion Ratio Lower Upper  
 164 100  
 129 98.5 68.1 126.5  
 131 101.8 65.5 121.7  
 166 130.6 89.1 165.5

