

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082323\  
 Data File : VW026816.D  
 Acq On : 23 Aug 2023 14:55  
 Operator : SY/MD  
 Sample : 04108-14  
 Misc : 4.78g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 24 01:43:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 23 01:29:10 2023  
 Response via : Initial Calibration

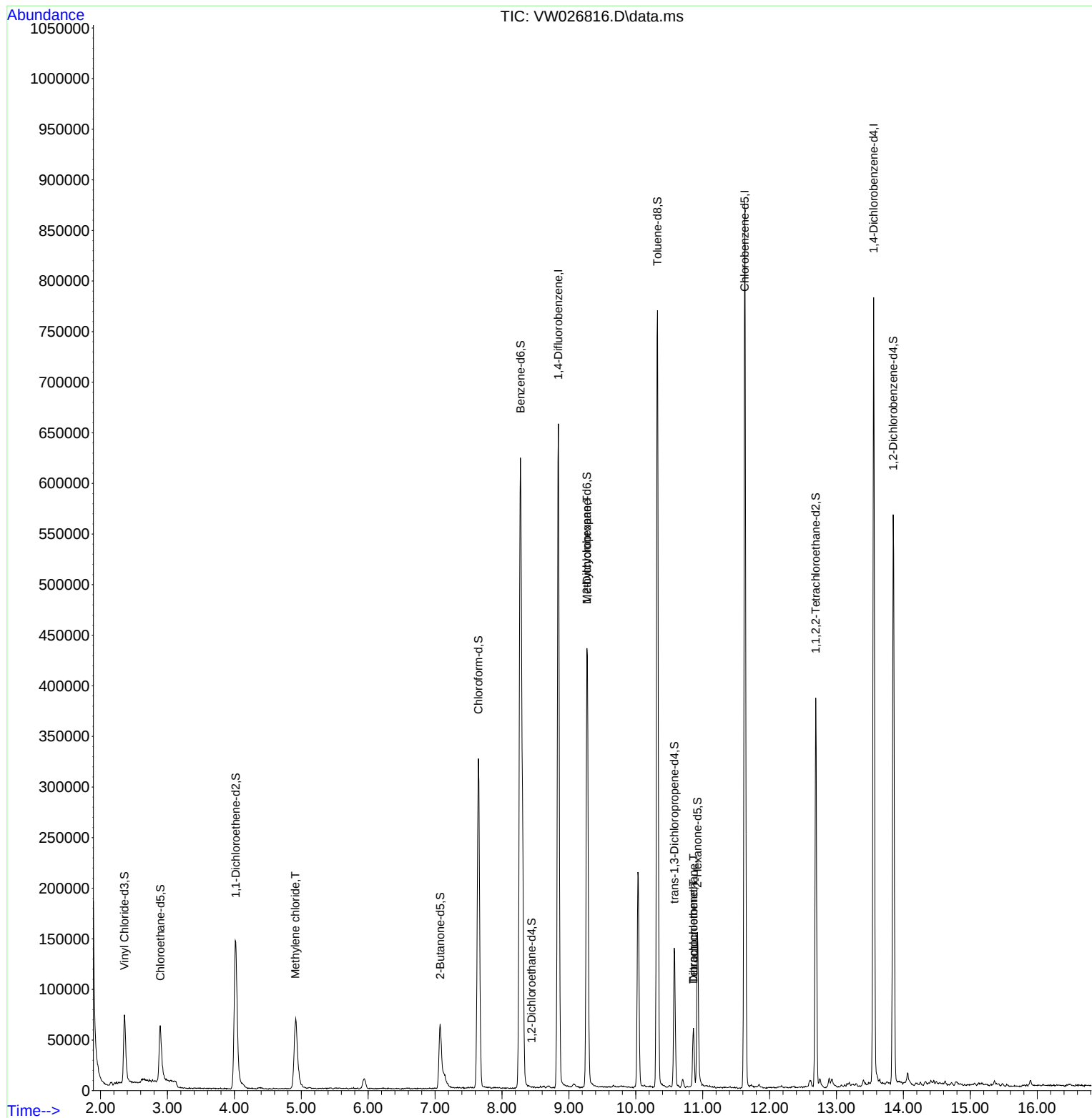
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 514370   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 461601   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 196507   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.357  | 65    | 97721    | 11.557   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 46.240%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 81909    | 13.027   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 52.120%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 55567    | 13.361   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 53.440%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 110829   | 45.603   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 91.200%  |
| 24) Chloroform-d              | 7.648  | 84    | 329703   | 19.098   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 76.400%  |
| 26) 1,2-Dichloroethane-d4     | 8.441  | 65    | 91       | 0.010    | ug/L   | 0.13     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.040%#  |
| 32) Benzene-d6                | 8.276  | 84    | 630440   | 19.817   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 79.280%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 210060   | 21.198   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 84.800%  |
| 41) Toluene-d8                | 10.325 | 98    | 495609   | 18.148   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 72.600%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 77408    | 18.919   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 75.680%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 49286    | 47.333   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 94.660%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 189286   | 24.187   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 96.760%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 148532   | 21.118   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.480%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 16) Methylene chloride        | 4.911  | 84    | 58879    | 5.917    | ug/L   | 91       |
| 35) Methylcyclohexane         | 9.270  | 83    | 48910    | 3.339    | ug/L # | 16       |
| 46) Tetrachloroethene         | 10.861 | 164   | 13512    | 2.172    | ug/L   | 91       |
| 49) Dibromochloromethane      | 10.861 | 129   | 11270    | 1.711    | ug/L # | 9        |
| -----                         |        |       |          |          |        |          |

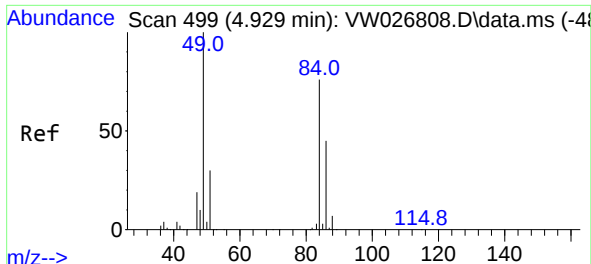
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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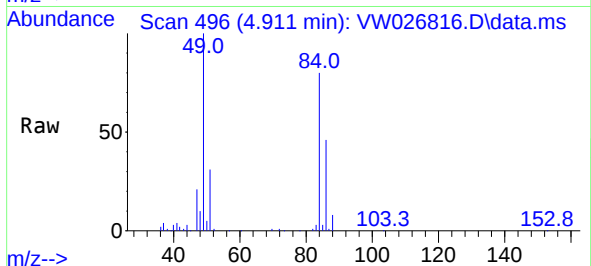
Quant Time: Aug 24 01:43:19 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
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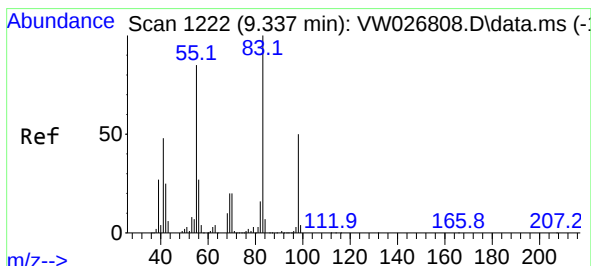
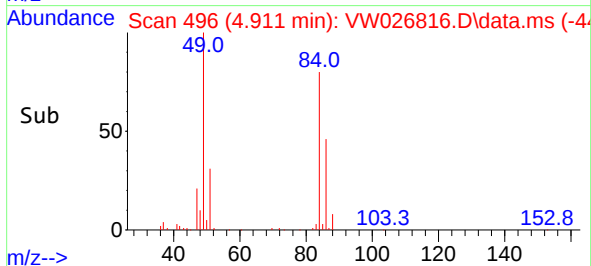
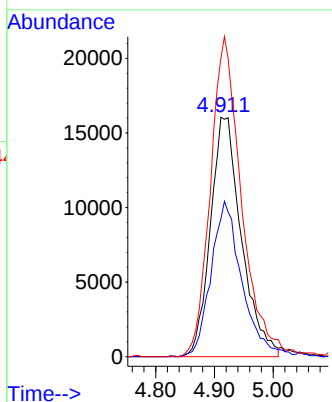


#16  
Methylene chloride  
Concen: 5.917 ug/L  
RT: 4.911 min Scan# 496  
Delta R.T. -0.006 min  
Lab File: VW026816.D  
Acq: 23 Aug 2023 14:55

Instrument :  
MSVOA\_W  
ClientSampleId :

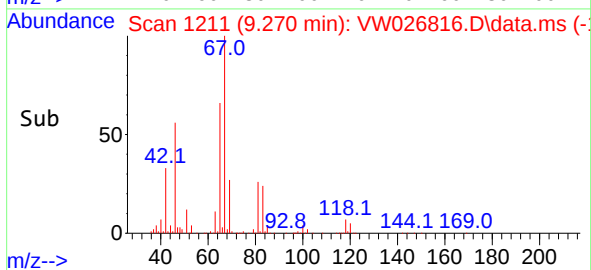
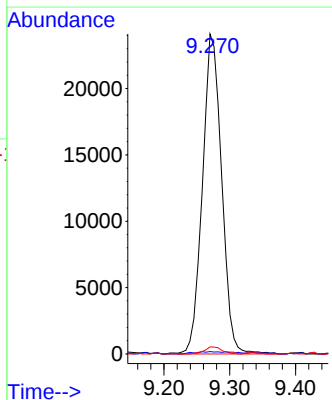
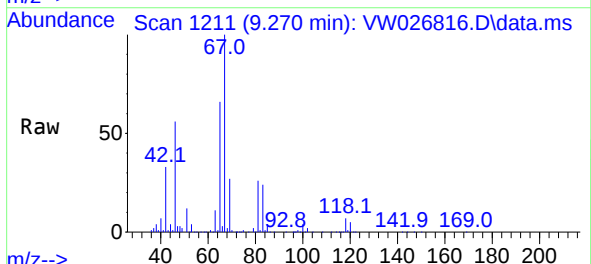


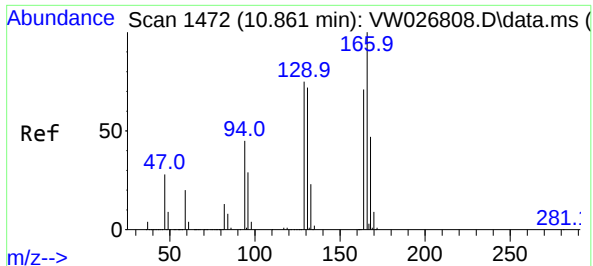
Tgt Ion: 84 Resp: 58879  
Ion Ratio Lower Upper  
84 100  
86 57.6 43.5 80.9  
49 124.8 96.0 178.2



#35  
Methylcyclohexane  
Concen: 3.339 ug/L  
RT: 9.270 min Scan# 1211  
Delta R.T. -0.067 min  
Lab File: VW026816.D  
Acq: 23 Aug 2023 14:55

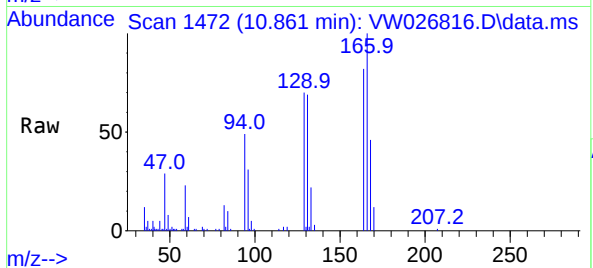
Tgt Ion: 83 Resp: 48910  
Ion Ratio Lower Upper  
83 100  
55 0.1 69.3 103.9#  
98 2.0 37.4 56.0#





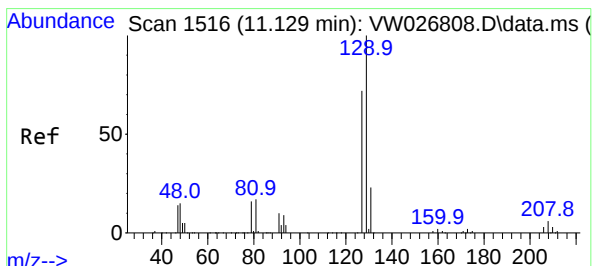
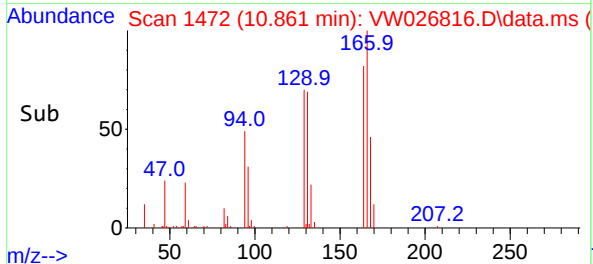
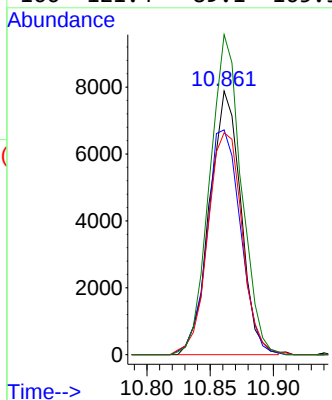
#46  
Tetrachloroethene  
Concen: 2.172 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW026816.D  
Acq: 23 Aug 2023 14:55

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Tgt Ion:164 Resp: 13512

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 85.3  | 68.1  | 126.5 |
| 131 | 84.2  | 65.5  | 121.7 |
| 166 | 121.4 | 89.1  | 165.5 |



#49  
Dibromochloromethane  
Concen: 1.711 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.268 min  
Lab File: VW026816.D  
Acq: 23 Aug 2023 14:55

Tgt Ion:129 Resp: 11270

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 129 | 100   |       |        |
| 127 | 0.0   | 56.6  | 105.2# |

