

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
 Data File : VW021130.D  
 Acq On : 04 Dec 2021 20:04  
 Operator : SY/VA  
 Sample : M4885-16  
 Misc : 5.54g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9M3

Quant Time: Dec 06 00:51:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 04 04:50:24 2021  
 Response via : Initial Calibration

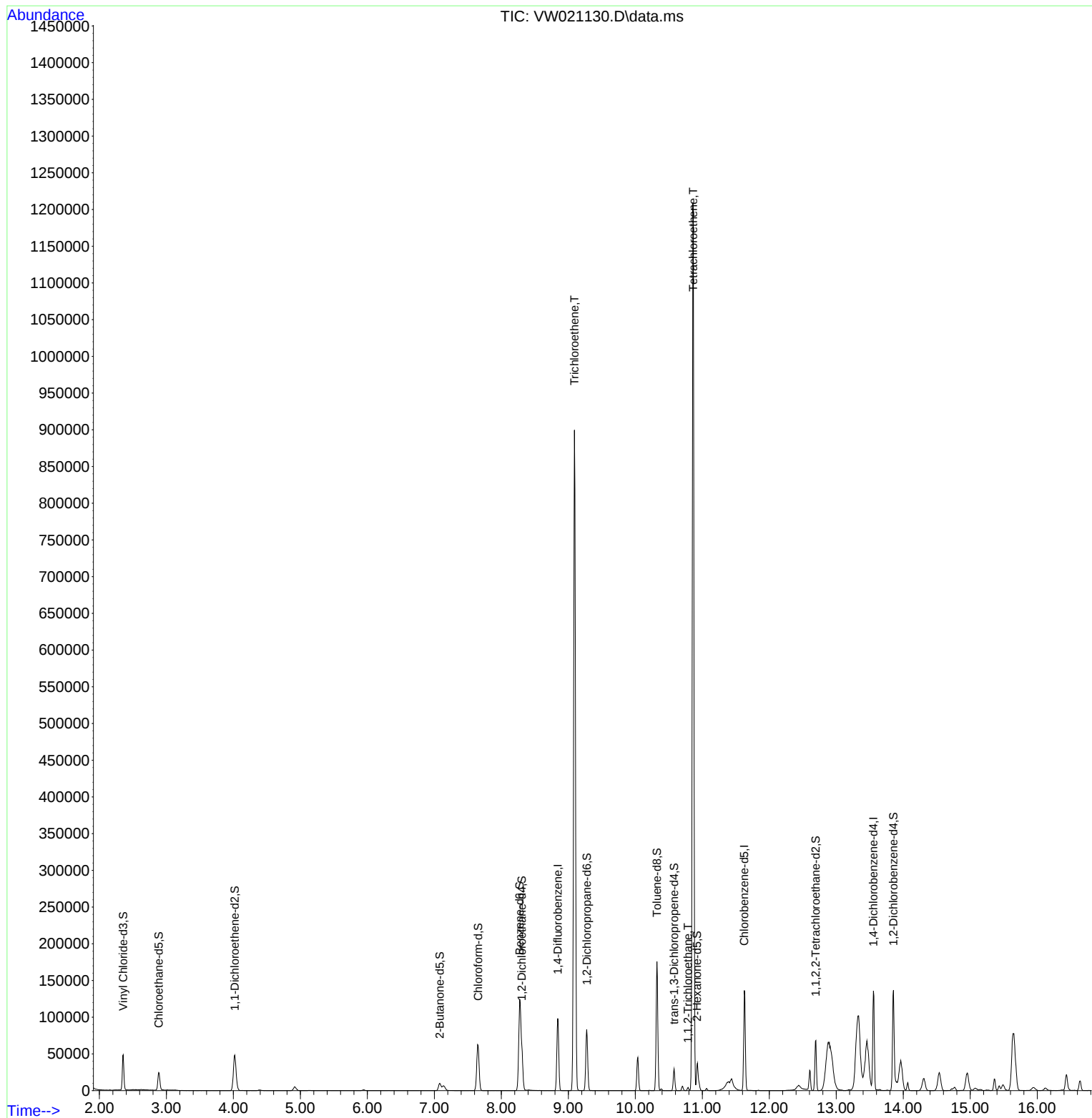
| Compound                      |        | R.T.   | QIon     | Response | Conc    | Units    | Dev(Min)  |
|-------------------------------|--------|--------|----------|----------|---------|----------|-----------|
| -----                         |        |        |          |          |         |          |           |
| Internal Standards            |        |        |          |          |         |          |           |
| 1) 1,4-Difluorobenzene        |        | 8.842  | 114      | 85718    | 25.000  | ug/L     | # 0.00    |
| 28) Chlorobenzene-d5          |        | 11.628 | 117      | 74871    | 25.000  | ug/L     | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    |        | 13.554 | 152      | 37063    | 25.000  | ug/L     | 0.00      |
| System Monitoring Compounds   |        |        |          |          |         |          |           |
| 4) Vinyl Chloride-d3          |        | 2.355  | 65       | 45767    | 38.322  | ug/L     | 0.00      |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | =       | 153.280% | #         |
| 7) Chloroethane-d5            |        | 2.886  | 69       | 28182    | 35.251  | ug/L     | 0.00      |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | =       | 141.000% |           |
| 11) 1,1-Dichloroethene-d2     |        | 4.019  | 63       | 45027    | 23.600  | ug/L     | 0.00      |
| Spiked Amount                 | 25.000 | Range  | 45 - 110 | Recovery | =       | 94.400%  |           |
| 21) 2-Butanone-d5             |        | 7.080  | 46       | 15627    | 57.366  | ug/L     | 0.00      |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | =       | 114.740% |           |
| 24) Chloroform-d              |        | 7.653  | 84       | 62759    | 29.235  | ug/L     | 0.00      |
| Spiked Amount                 | 25.000 | Range  | 40 - 150 | Recovery | =       | 116.960% |           |
| 26) 1,2-Dichloroethane-d4     |        | 8.305  | 65       | 37884    | 32.258  | ug/L     | 0.00      |
| Spiked Amount                 | 25.000 | Range  | 70 - 130 | Recovery | =       | 129.040% |           |
| 32) Benzene-d6                |        | 8.275  | 84       | 121274   | 31.679  | ug/L     | 0.00      |
| Spiked Amount                 | 25.000 | Range  | 20 - 135 | Recovery | =       | 126.720% |           |
| 36) 1,2-Dichloropropane-d6    |        | 9.275  | 67       | 34496    | 32.425  | ug/L     | 0.00      |
| Spiked Amount                 | 25.000 | Range  | 70 - 120 | Recovery | =       | 129.720% | #         |
| 41) Toluene-d8                |        | 10.323 | 98       | 114174   | 29.086  | ug/L     | 0.00      |
| Spiked Amount                 | 25.000 | Range  | 30 - 130 | Recovery | =       | 116.360% |           |
| 43) trans-1,3-Dichloroprop... |        | 10.579 | 79       | 14735    | 30.503  | ug/L     | 0.00      |
| Spiked Amount                 | 25.000 | Range  | 30 - 135 | Recovery | =       | 122.000% |           |
| 47) 2-Hexanone-d5             |        | 10.921 | 63       | 11317    | 55.600  | ug/L     | 0.00      |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | =       | 111.200% |           |
| 56) 1,1,2,2-Tetrachloroeth... |        | 12.695 | 84       | 30863    | 31.358  | ug/L     | 0.00      |
| Spiked Amount                 | 25.000 | Range  | 45 - 120 | Recovery | =       | 125.440% | #         |
| 66) 1,2-Dichlorobenzene-d4    |        | 13.853 | 152      | 35022    | 26.373  | ug/L     | 0.00      |
| Spiked Amount                 | 25.000 | Range  | 75 - 120 | Recovery | =       | 105.480% |           |
| Target Compounds              |        |        |          |          |         |          |           |
| 34) Trichloroethene           |        | 9.092  | 95       | 287264   | 244.560 | ug/L     | Qvalue 93 |
| 45) 1,1,2-Trichloroethane     |        | 10.787 | 97       | 1380     | 1.710   | ug/L     | 82        |
| 46) Tetrachloroethene         |        | 10.866 | 164      | 266680   | 247.939 | ug/L     | 94        |
| -----                         |        |        |          |          |         |          |           |

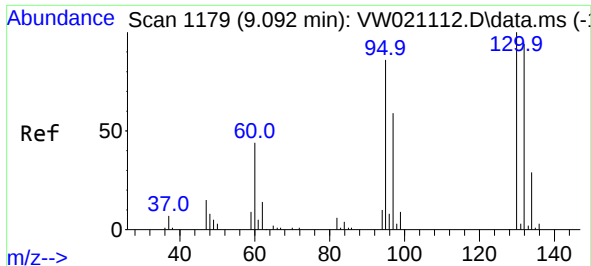
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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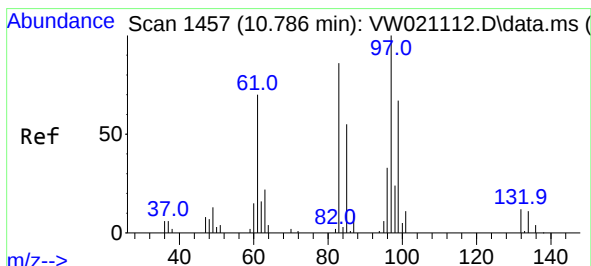
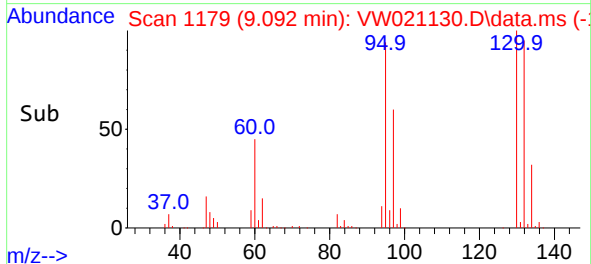
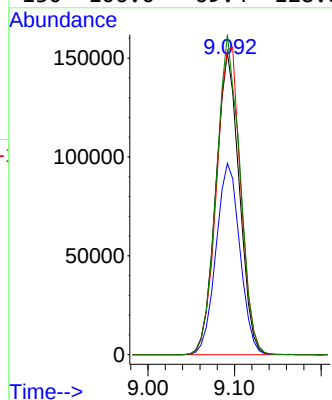
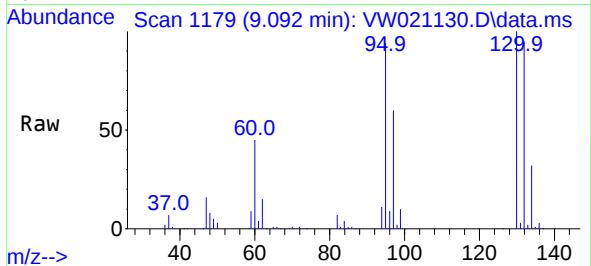




#34  
Trichloroethene  
Concen: 244.560 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW021130.D  
Acq: 04 Dec 2021 20:04

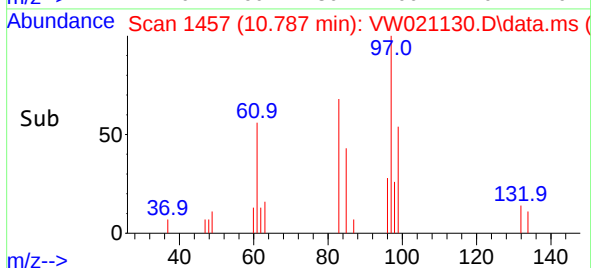
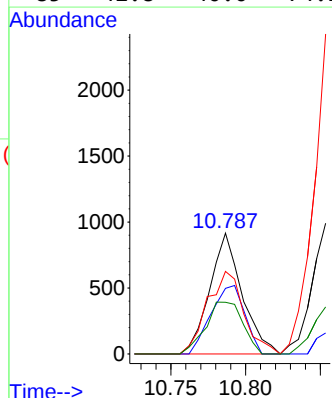
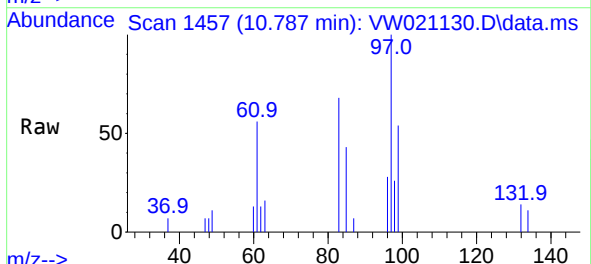
Instrument :  
MSVOA\_W  
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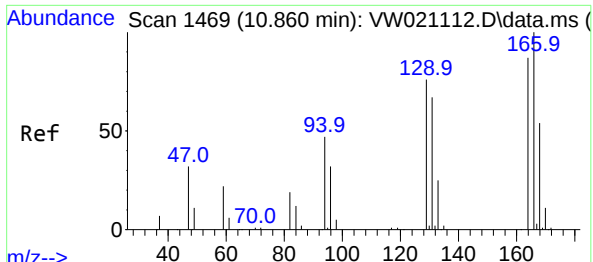
Tgt Ion: 95 Resp: 287264  
Ion Ratio Lower Upper  
95 100  
97 63.4 47.0 87.2  
132 100.9 65.5 121.6  
130 106.0 69.4 128.8



#45  
1,1,2-Trichloroethane  
Concen: 1.710 ug/L  
RT: 10.787 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW021130.D  
Acq: 04 Dec 2021 20:04

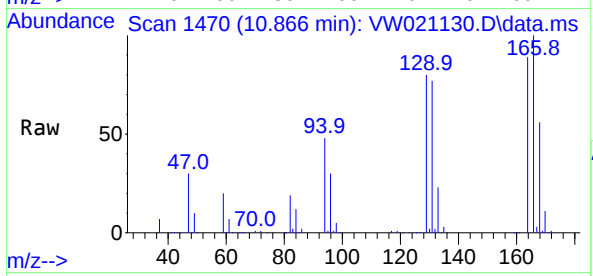
Tgt Ion: 97 Resp: 1380  
Ion Ratio Lower Upper  
97 100  
99 54.3 43.0 79.8  
83 68.3 62.6 116.3  
85 42.8 40.0 74.2





#46  
Tetrachloroethene  
Concen: 247.939 ug/L  
RT: 10.866 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VW021130.D  
Acq: 04 Dec 2021 20:04

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Tgt Ion:164 Resp: 266680

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 90.9  | 65.5  | 121.7 |
| 131 | 87.0  | 59.7  | 110.9 |
| 166 | 112.9 | 88.7  | 164.7 |

