

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112719\  
 Data File : VW014157.D  
 Acq On : 27 Nov 2019 14:24  
 Operator : SY/VA  
 Sample : K6063-16  
 Misc : 6.13G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 28 07:26:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Nov 28 07:23:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 245842   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 234067   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 116311   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 60476    | 15.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.68%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 58878    | 18.52    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.08%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 101998   | 12.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 50.68%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 78389    | 68.79    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 137.58%# |
| 24) Chloroform-d               | 7.64   | 84    | 170378   | 22.54    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.16%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 100792   | 26.52    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 106.08%  |
| 29) Benzene-d6                 | 8.27   | 84    | 340267   | 20.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 81.96%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 111300   | 22.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.52%   |
| 37) Toluene-d8                 | 10.32  | 98    | 295801   | 18.78    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 75.12%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 44160    | 21.20    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 84.80%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 57419    | 62.24    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 124.48%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 114265   | 31.10    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 124.40%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 105496   | 22.58    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.32%   |

## Target Compounds

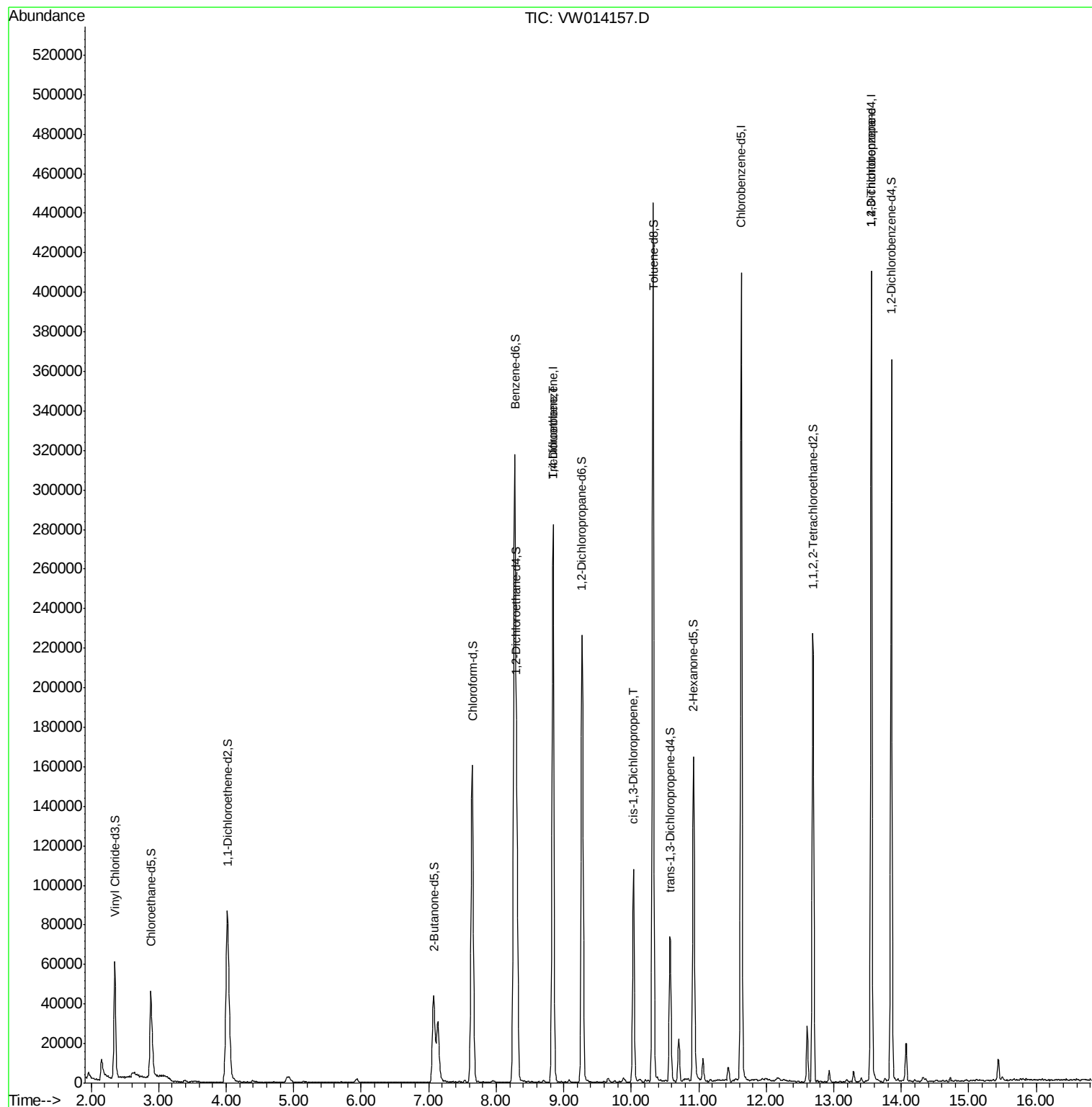
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 35) Trichloroethene         | 8.84  | 95 | 7068  | 1.543 ug/L # | 2      |
| 42) cis-1,3-Dichloropropene | 10.03 | 75 | 2565  | 0.393 ug/L # | 67     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 12199 | 4.575 ug/L   | 100    |

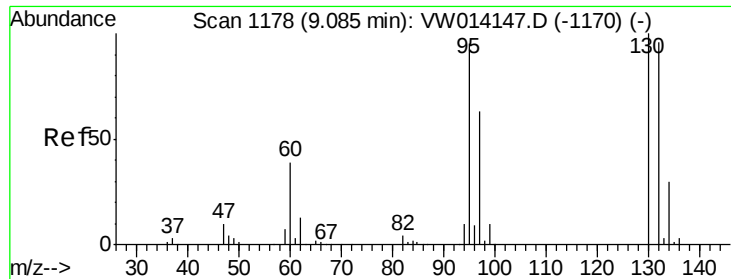
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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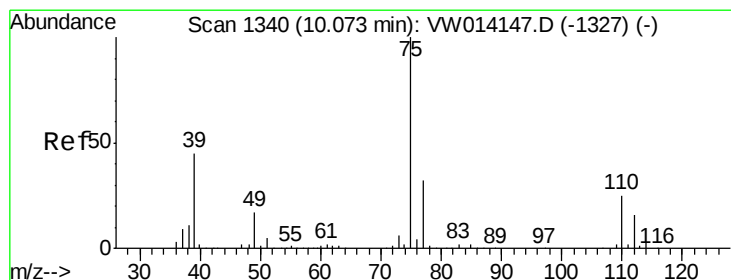
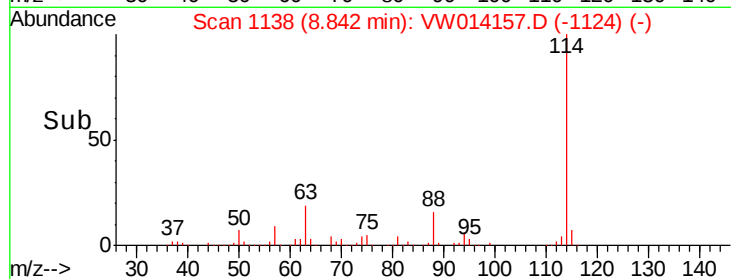
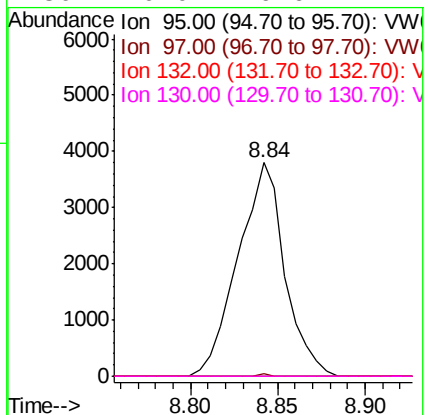
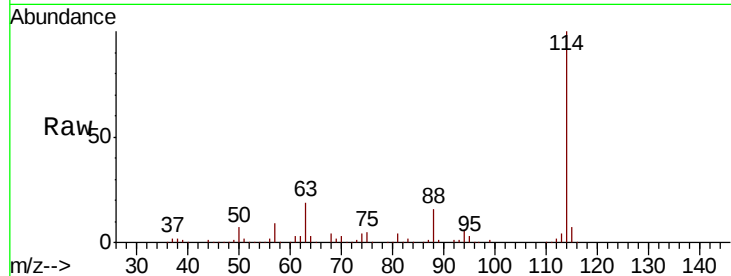




#35  
 Trichloroethene  
 Concen: 1.543 ug/L  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.24 min  
 Lab File: VW014157.D  
 Acq: 27 Nov 2019 14:24

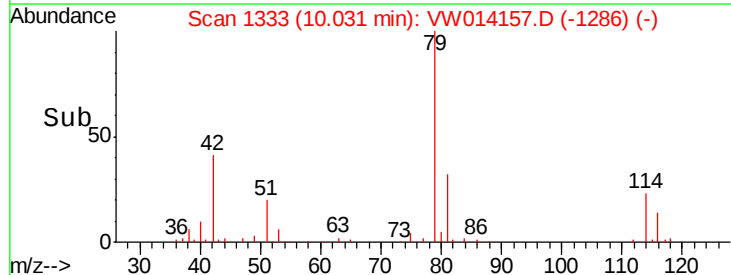
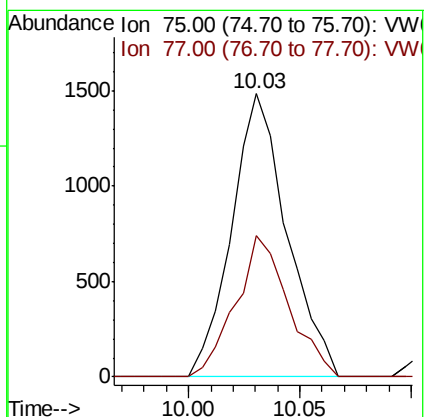
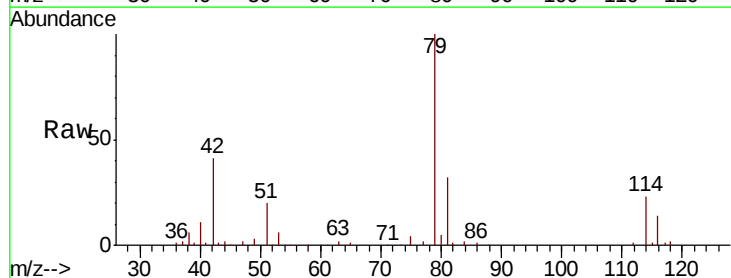
Instrument :  
 MSVOA\_W  
 ClientSampleId :

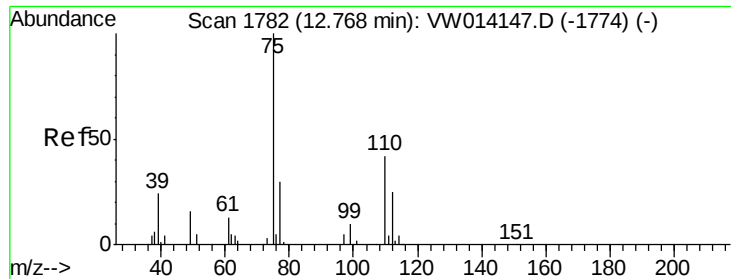
Tot Ion: 95 Resp: 7068  
 Ion Ratio Lower Upper  
 95 100  
 97 0.0 45.1 83.9#  
 132 0.0 73.7 136.9#  
 130 0.0 76.6 142.2#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.393 ug/L  
 RT: 10.03 min Scan# 1333  
 Delta R.T. -0.04 min  
 Lab File: VW014157.D  
 Acq: 27 Nov 2019 14:24

Tgt Ion: 75 Resp: 2565  
 Ion Ratio Lower Upper  
 75 100  
 77 50.1 22.1 41.1#





#59

1,2,3-Trichloropropane

Concen: 4.575 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW014157.D

Acq: 27 Nov 2019 14:24

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 12199

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9

