

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101519\  
 Data File : VW013586.D  
 Acq On : 15 Oct 2019 16:41  
 Operator : SY/VA  
 Sample : K5354-14  
 Misc : 3.53G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 15 17:17:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 15 13:46:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 232522   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 150471   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 37858    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 51200    | 19.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.96%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 51284    | 25.10    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.40%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 79511    | 14.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.60%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 58665    | 73.19    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 146.38%# |
| 24) Chloroform-d               | 7.65   | 84    | 134495   | 26.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 106.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 77269    | 29.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 118.12%  |
| 29) Benzene-d6                 | 8.27   | 84    | 251178   | 31.16    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 124.64%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 87205    | 36.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 145.88%# |
| 37) Toluene-d8                 | 10.32  | 98    | 185426   | 24.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 96.96%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 24728    | 23.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.84%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 35886    | 75.02    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 150.04%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 68019    | 35.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 141.92%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 34954    | 25.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.76%  |

## Target Compounds

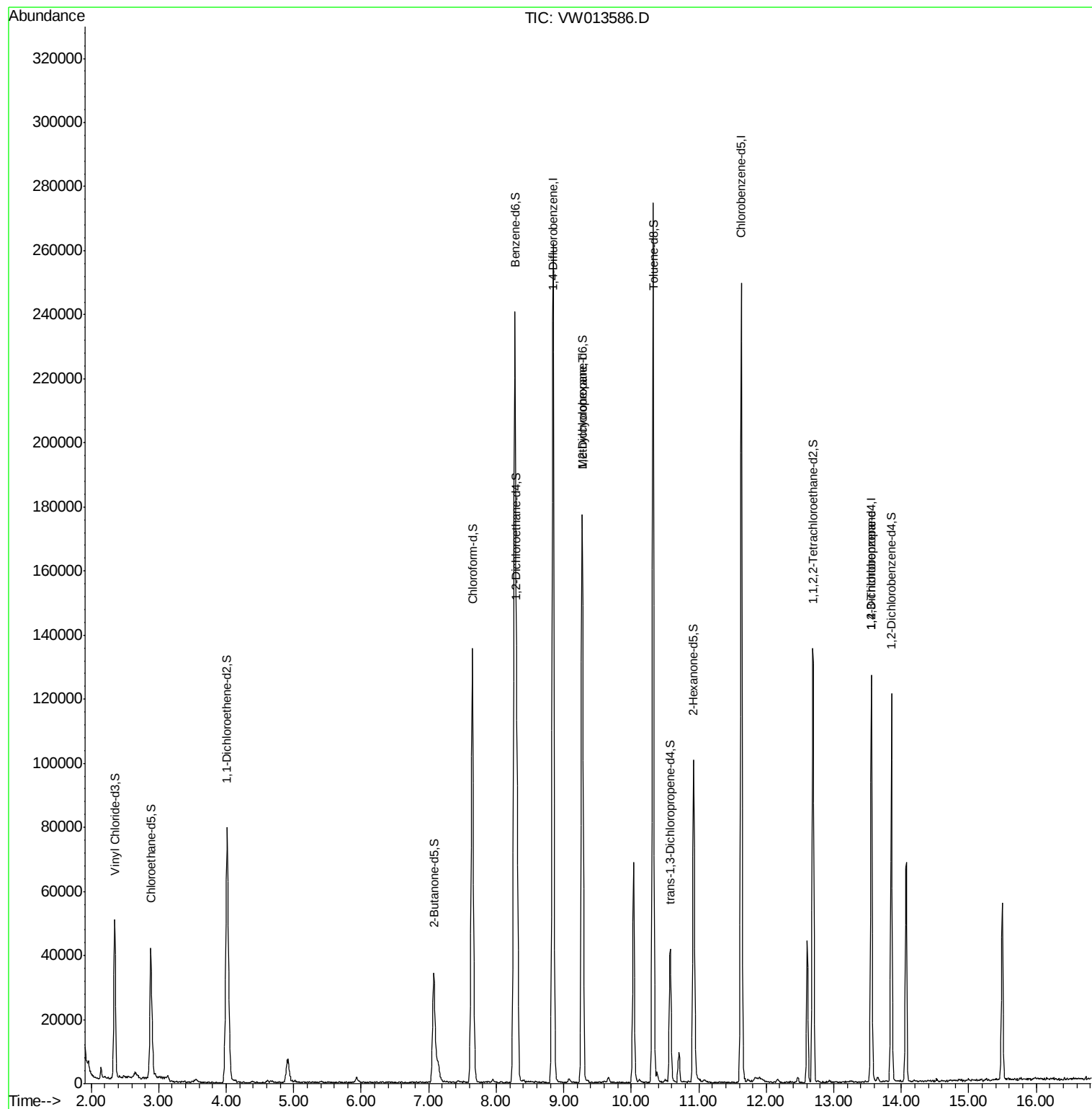
|                            |       |    |       |              | Ovalue |
|----------------------------|-------|----|-------|--------------|--------|
| 36) Methylcyclohexane      | 9.27  | 83 | 21114 | 4.897 ug/L # | 19     |
| 59) 1,2,3-Trichloropropane | 13.55 | 75 | 4270  | 2.912 ug/L   | 98     |

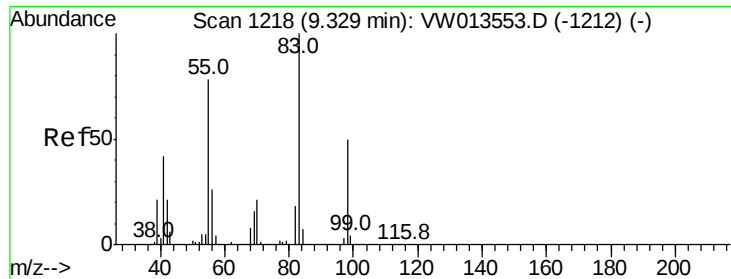
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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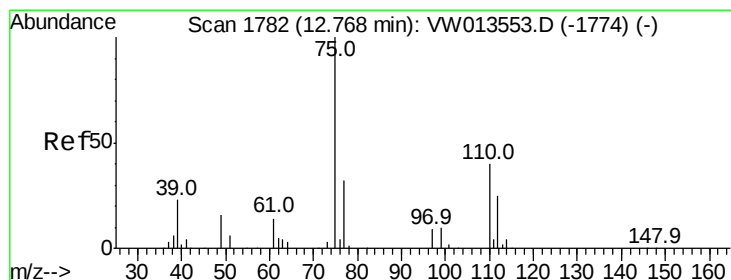
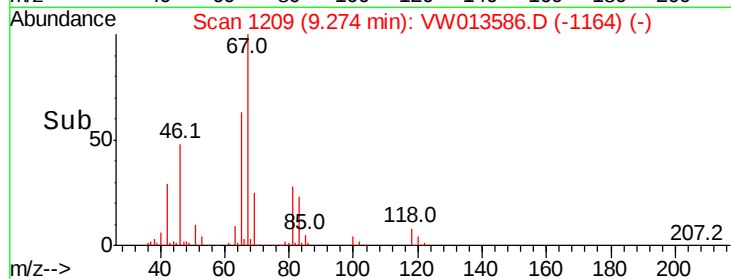
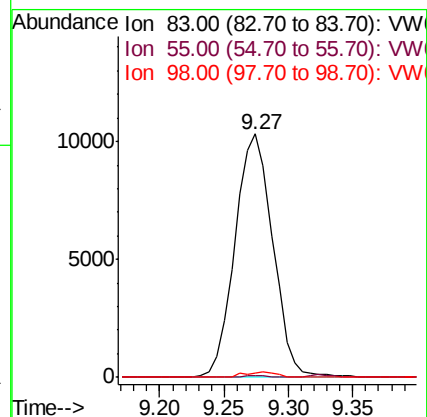
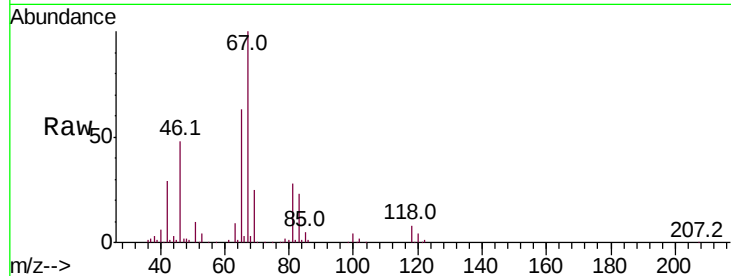




#36  
Methylcyclohexane  
Concen: 4.897 ug/L  
RT: 9.27 min Scan# 1209  
Delta R.T. -0.05 min  
Lab File: VW013586.D  
Acq: 15 Oct 2019 16:41

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 83 Resp: 21114  
Ion Ratio Lower Upper  
83 100  
55 0.4 60.4 90.6#  
98 1.2 39.3 58.9#



#59  
1,2,3-Trichloropropane  
Concen: 2.912 ug/L  
RT: 13.55 min Scan# 1911  
Delta R.T. 0.79 min  
Lab File: VW013586.D  
Acq: 15 Oct 2019 16:41

Tgt Ion: 75 Resp: 4270  
Ion Ratio Lower Upper  
75 100  
77 33.3 25.5 38.3

