

Data Path : W:\HPCHEM1\MSVOA\_W\DATA\VW052418\  
 Data File : VW002850.D  
 Acq On : 24 May 2018 16:39  
 Operator : JC/SY  
 Sample : J2952-21  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 07:57:52 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 25 07:55:38 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 281019   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 269757   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 134935   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

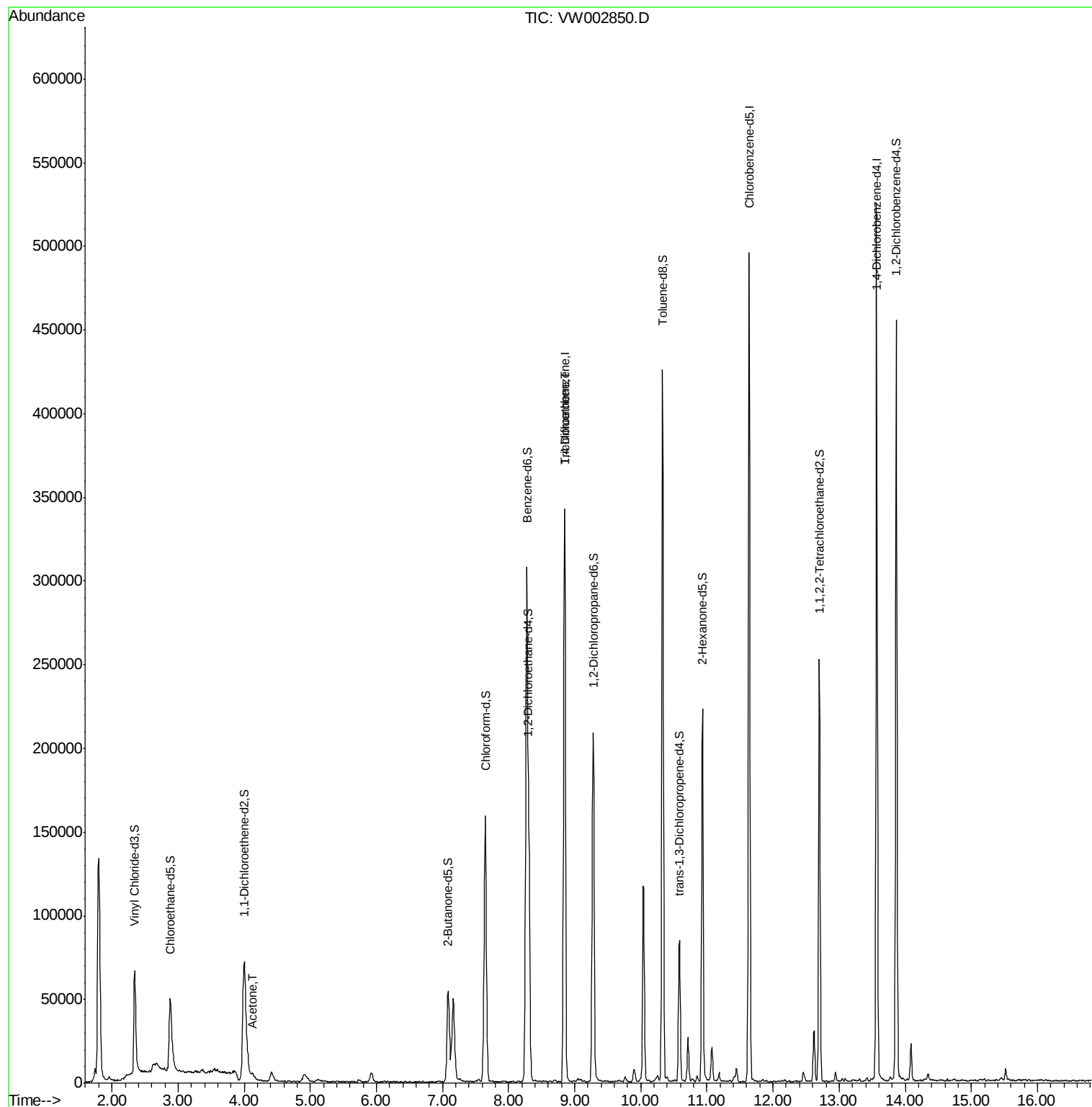
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 79143    | 21.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.84%  |
| 7) Chloroethane-d5             | 2.88   | 69    | 67437    | 20.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.68%  |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 97836    | 15.49    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.96%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 87356    | 59.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.84% |
| 24) Chloroform-d               | 7.65   | 84    | 156690   | 23.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.04%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 98839    | 24.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 97.20%  |
| 29) Benzene-d6                 | 8.28   | 84    | 287220   | 22.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 89.56%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 95691    | 23.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 92.32%  |
| 37) Toluene-d8                 | 10.33  | 98    | 275849   | 21.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 87.16%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 44828    | 22.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.44%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 69942    | 59.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.90% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 115575   | 25.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.72% |
| 61) 1,2-Dichlorobenzene-d4     | 13.87  | 152   | 118756   | 23.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.76%  |

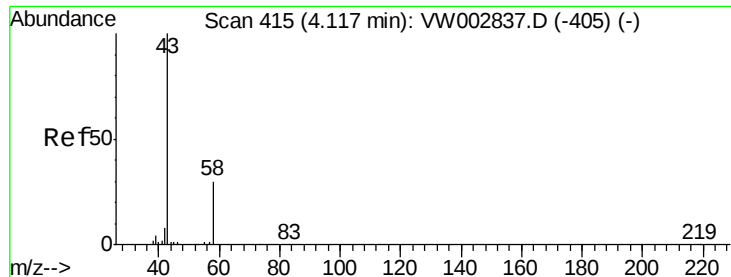
| Target Compounds    |      |    |      |      |      | Qvalue |
|---------------------|------|----|------|------|------|--------|
| 13) Acetone         | 4.12 | 43 | 4121 | 3.17 | ug/L | 84     |
| 35) Trichloroethene | 8.85 | 95 | 8745 | 2.19 | ug/L | # 3    |

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

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#13

Acetone

Concen: 3.17 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002850.D

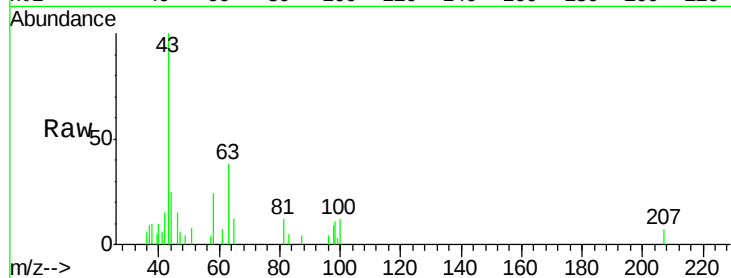
Acq: 24 May 2018 16:39

Tgt Ion: 43 Resp: 4121

Ion Ratio Lower Upper

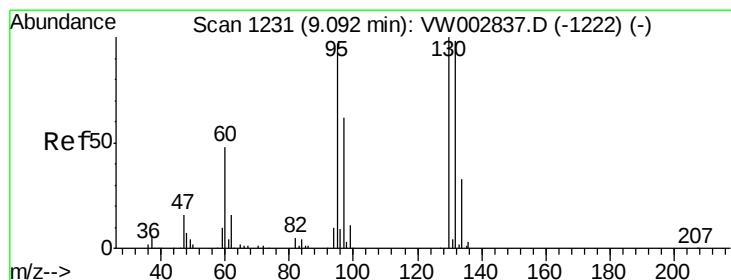
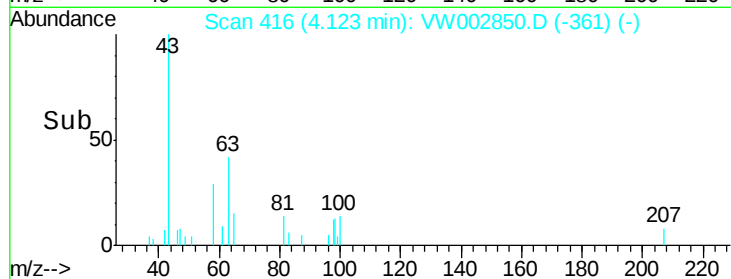
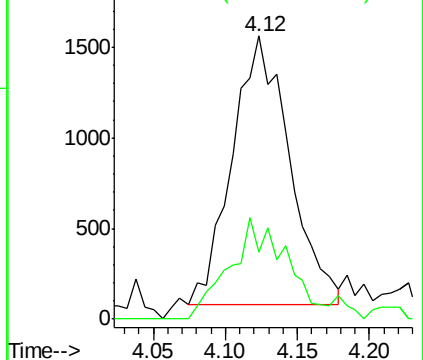
43 100

58 21.2 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#35

Trichloroethene

Concen: 2.19 ug/L

RT: 8.85 min Scan# 1191

Delta R.T. -0.24 min

Lab File: VW002850.D

Acq: 24 May 2018 16:39

Tgt Ion: 95 Resp: 8745

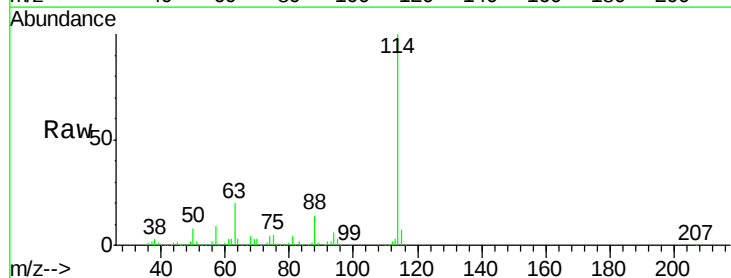
Ion Ratio Lower Upper

95 100

97 0.0 45.3 84.1#

132 0.0 71.4 132.6#

130 0.0 72.5 134.7#



Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

