

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW071918\  
 Data File : VW004046.D  
 Acq On : 19 Jul 2018 19:56  
 Operator : VA/AP  
 Sample : J4037-07  
 Misc : 5.17G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BEY50

Quant Time: Jul 20 07:17:27 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 20 06:42:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 211615   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 183054   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 55190    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 46873    | 22.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.56%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 33781    | 22.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.56%  |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 77497    | 15.43    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.72%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 71174    | 57.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 115.98% |
| 24) Chloroform-d               | 7.65   | 84    | 120073   | 23.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.64%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 76447    | 25.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.08% |
| 29) Benzene-d6                 | 8.27   | 84    | 205176   | 24.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 75642    | 26.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.84% |
| 37) Toluene-d8                 | 10.33  | 98    | 157977   | 20.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.80%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 27079    | 21.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.04%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 48325    | 63.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 126.78% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 85126    | 27.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 109.76% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 40975    | 23.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.36%  |

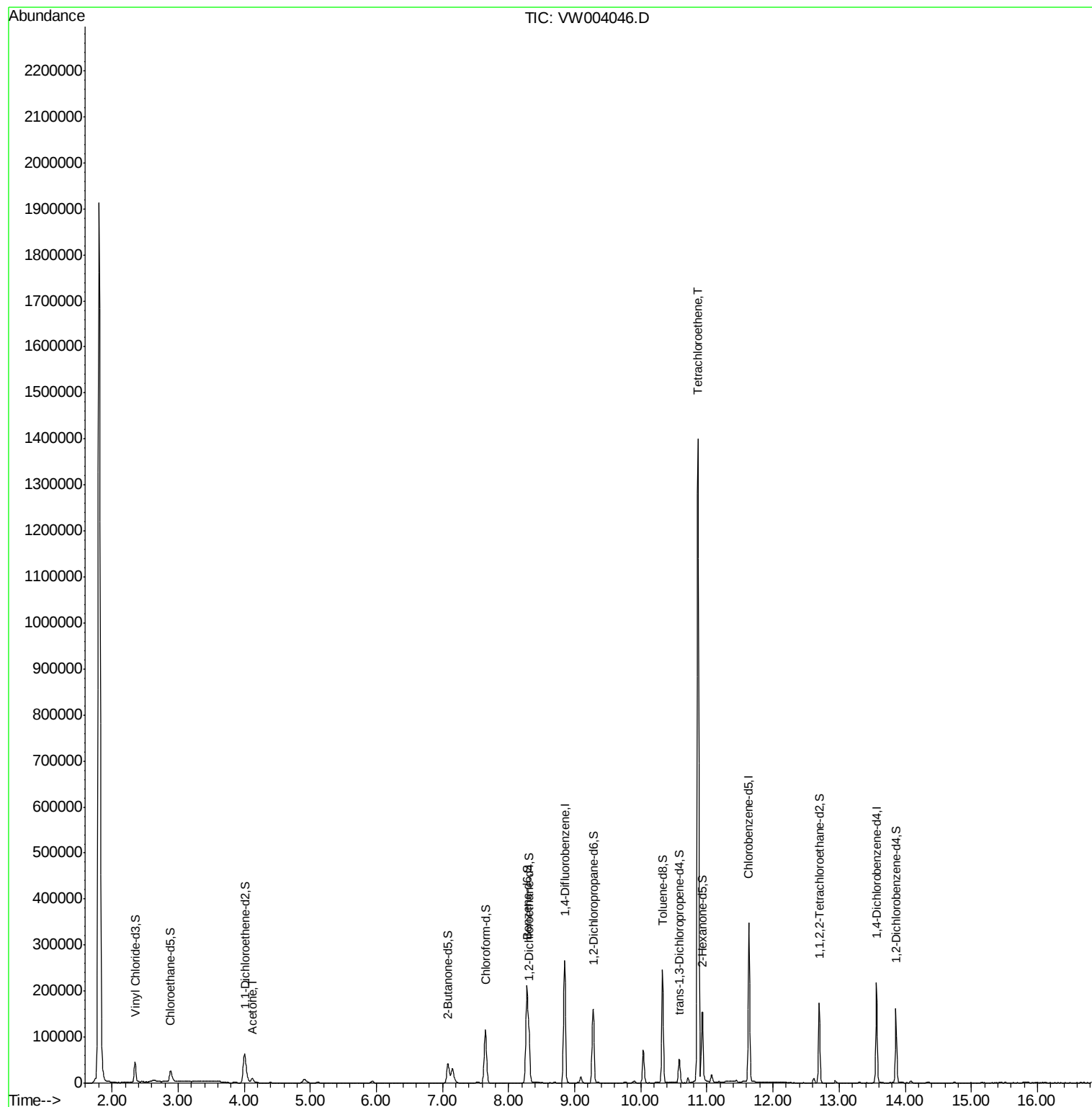
| Target Compounds      |       |     |        |              | Qvalue |
|-----------------------|-------|-----|--------|--------------|--------|
| 13) Acetone           | 4.12  | 43  | 15596  | 11.687 ug/L  | 100    |
| 47) Tetrachloroethene | 10.87 | 164 | 309544 | 127.841 ug/L | 94     |

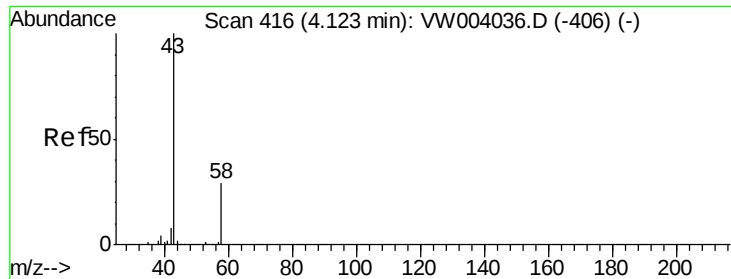
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Jul 20 06:42:37 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 11.687 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004046.D

Acq: 19 Jul 2018 19:56

Instrument :

MSVOA\_W

ClientSampleId :

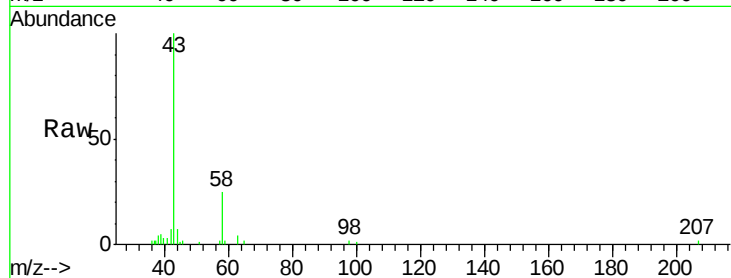
BEY50

Tgt Ion: 43 Resp: 15596

Ion Ratio Lower Upper

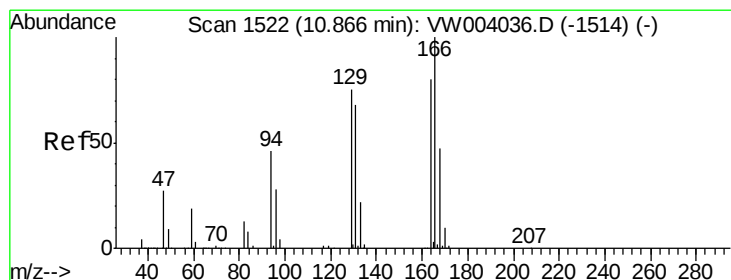
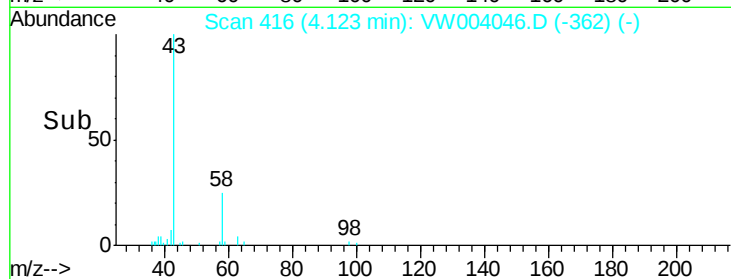
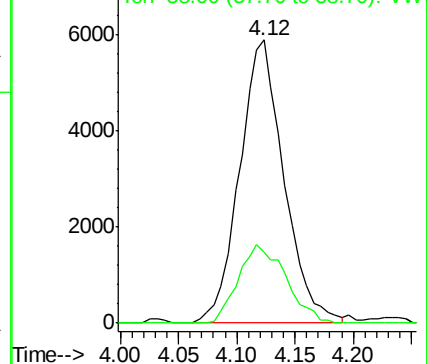
43 100

58 29.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#47

Tetrachloroethene

Concen: 127.841 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW004046.D

Acq: 19 Jul 2018 19:56

Tgt Ion: 164 Resp: 309544

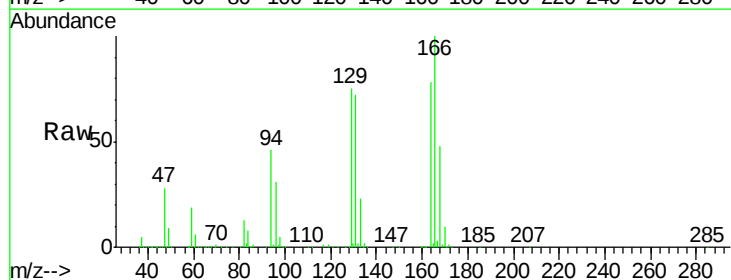
Ion Ratio Lower Upper

164 100

129 96.8 63.1 117.3

131 92.3 62.8 116.6

166 128.3 84.6 157.2



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

