

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072418\  
 Data File : VW004177.D  
 Acq On : 24 Jul 2018 15:53  
 Operator : SY/AP  
 Sample : J4040-10  
 Misc : 5.10G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 24 18:53:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Jul 23 15:53:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 312232   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 316333   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 148902   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 55142    | 17.85    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.40%   |
| 7) Chloroethane-d5             | 2.88   | 69    | 41877    | 18.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.24%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 102640   | 13.85    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.40%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 111261   | 61.43    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 122.86%  |
| 24) Chloroform-d               | 7.65   | 84    | 184629   | 24.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.64%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 119721   | 26.82    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.28%  |
| 29) Benzene-d6                 | 8.27   | 84    | 320959   | 21.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.52%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 122509   | 25.03    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.12%  |
| 37) Toluene-d8                 | 10.33  | 98    | 276859   | 21.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 84.00%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 50130    | 23.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.24%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 91006    | 69.08    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 138.16%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 150731   | 28.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 112.44%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 129480   | 27.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.16%  |

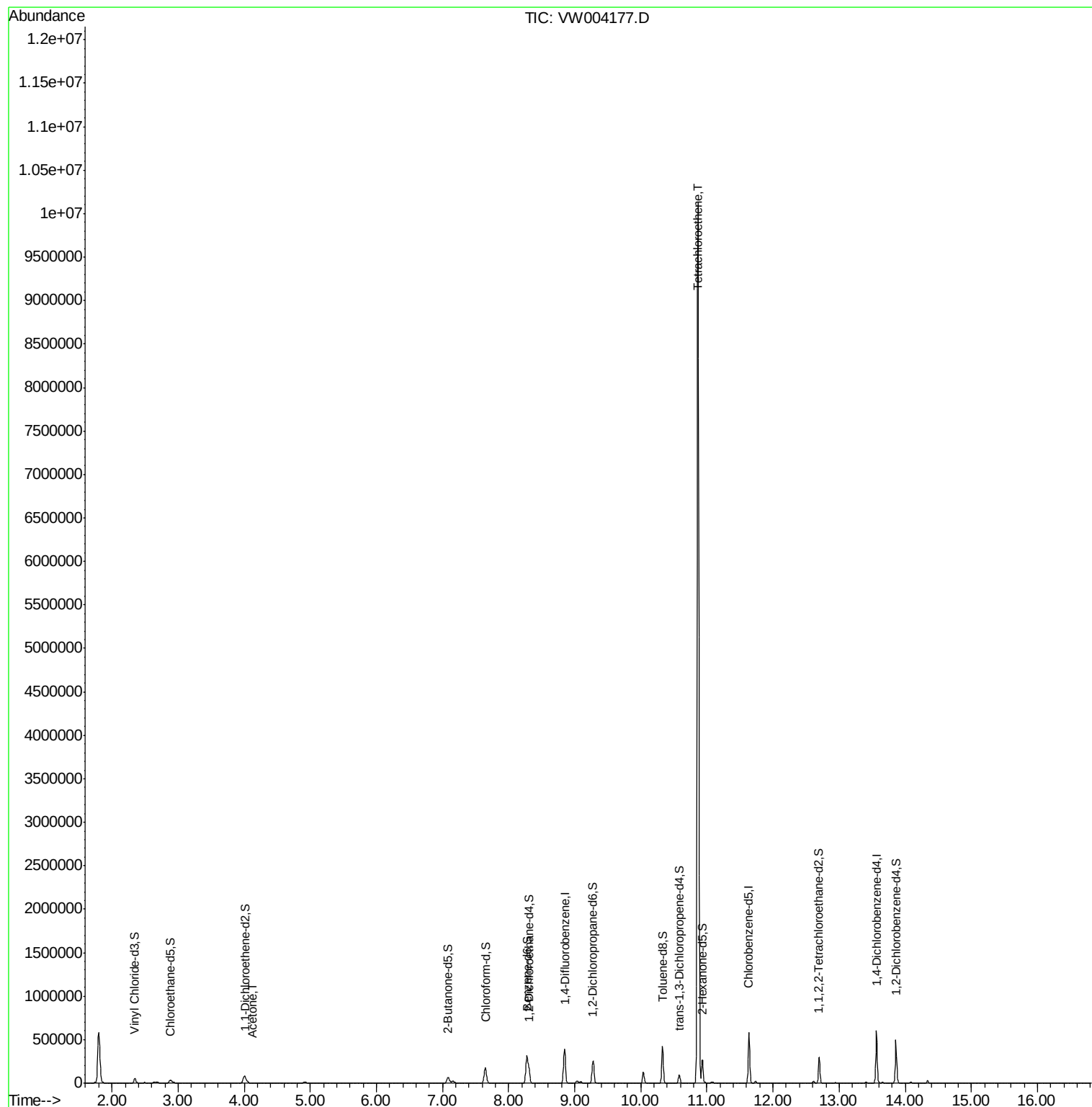
| Target Compounds      |       |     |         |        |      | Ovalue |
|-----------------------|-------|-----|---------|--------|------|--------|
| 13) Acetone           | 4.12  | 43  | 5595    | 2.84   | ug/L | 96     |
| 47) Tetrachloroethene | 10.87 | 164 | 2216533 | 529.73 | ug/L | 95     |

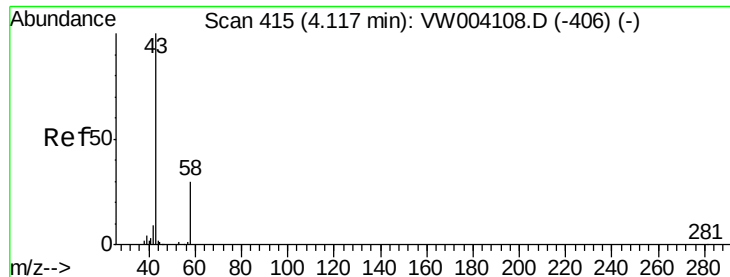
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
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Quant Title : VOC Analysis  
QLast Update : Mon Jul 23 15:53:12 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 2.84 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW004177.D

Acq: 24 Jul 2018 15:53

Instrument :

MSVOA\_W

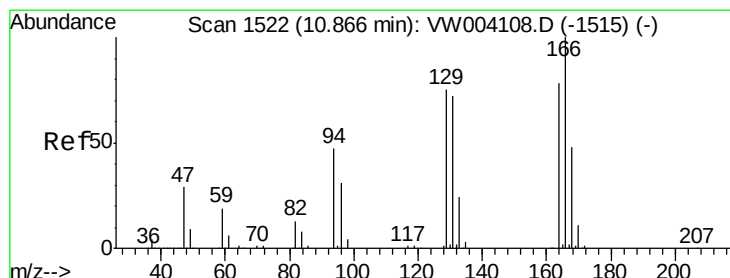
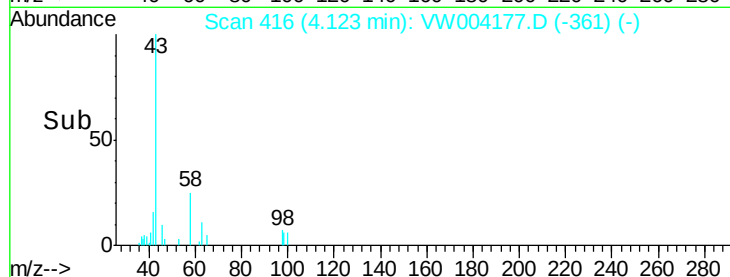
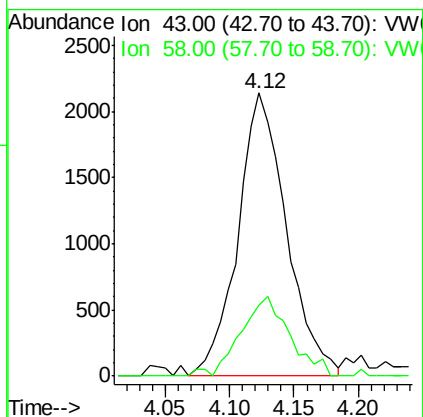
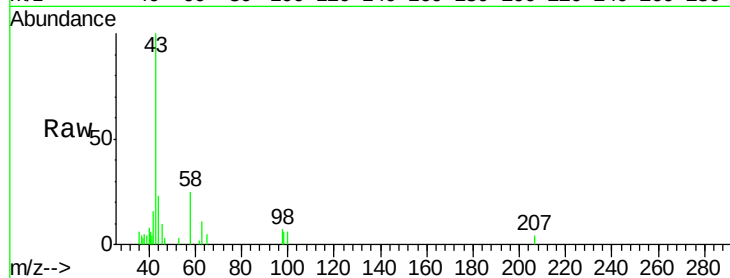
ClientSampled :

Tot Ion: 43 Resp: 5595

Ion Ratio Lower Upper

43 100

58 27.7 0.0 59.4



#47

Tetrachloroethene

Concen: 529.73 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW004177.D

Acq: 24 Jul 2018 15:53

Tgt Ion: 164 Resp: 2216533

Ion Ratio Lower Upper

164 100

129 96.9 63.1 117.3

131 92.7 62.8 116.6

166 126.3 84.6 157.2

