

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062618\  
 Data File : VW003571.D  
 Acq On : 26 Jun 2018 11:49  
 Operator : SY/AP  
 Sample : J3641-02  
 Misc : 4.64G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DAZC0

Quant Time: Jun 27 01:37:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062018S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 27 01:37:29 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 328422   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 317205   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 153457   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 79790    | 17.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.64%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 69826    | 18.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.16%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 130884   | 14.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 59.20%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 77340    | 55.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 110.20% |
| 24) Chloroform-d               | 7.65   | 84    | 192302   | 22.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.04%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 124435   | 24.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.96%  |
| 29) Benzene-d6                 | 8.28   | 84    | 350366   | 20.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 83.28%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 119763   | 22.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 89.92%  |
| 37) Toluene-d8                 | 10.33  | 98    | 322279   | 20.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 80.12%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 51406    | 20.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.20%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 53913    | 49.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.02%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 119490   | 24.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.44%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.87  | 152   | 132675   | 22.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.56%  |

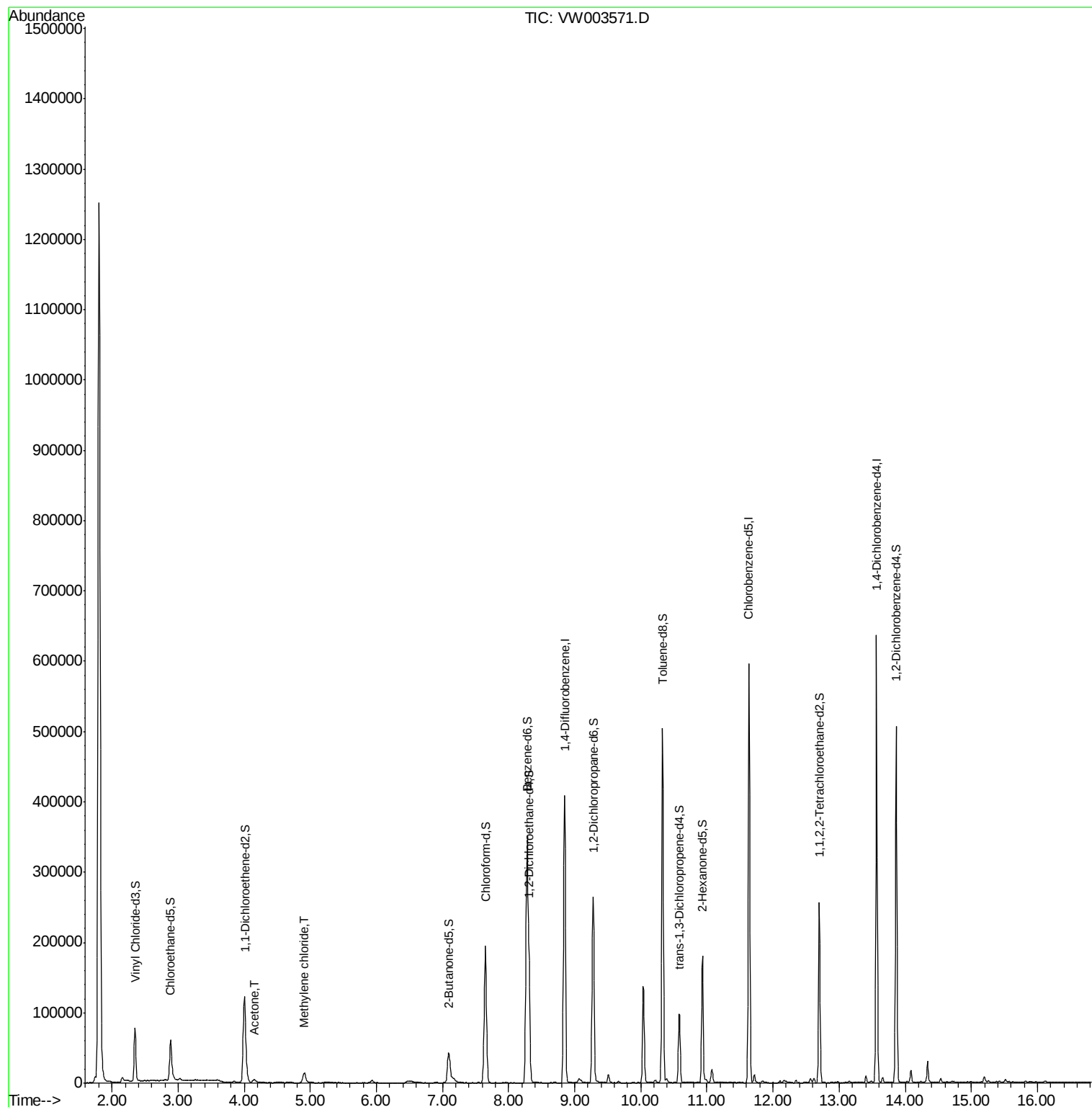
| Target Compounds       |      |    |       |           | Ovalue |
|------------------------|------|----|-------|-----------|--------|
| 13) Acetone            | 4.15 | 43 | 6337  | 4.24 ug/L | 88     |
| 16) Methylene chloride | 4.92 | 84 | 10550 | 2.33 ug/L | 97     |

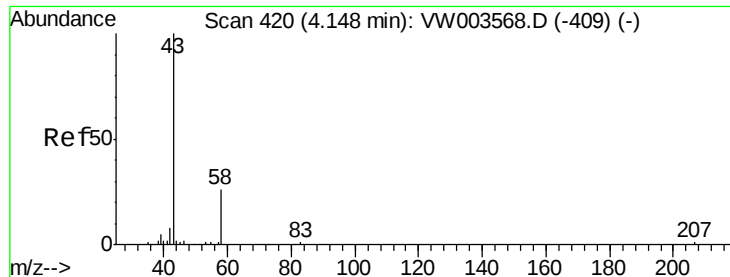
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Jun 27 01:37:29 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 4.24 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003571.D

Acq: 26 Jun 2018 11:49

Instrument :

MSVOA\_W

ClientSampled :

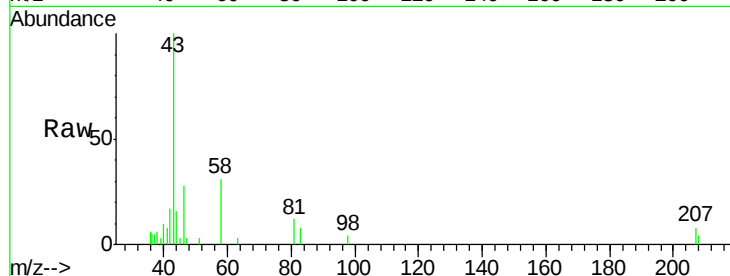
DAZC0

Tot Ion: 43 Resp: 6337

Ion Ratio Lower Upper

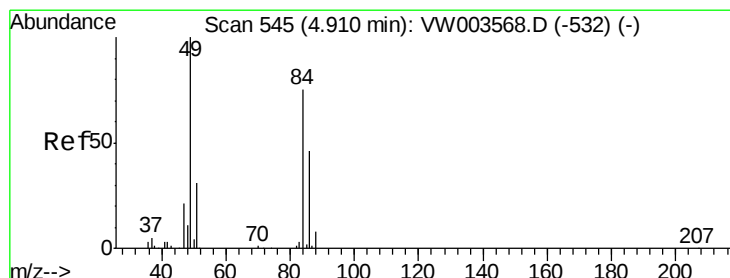
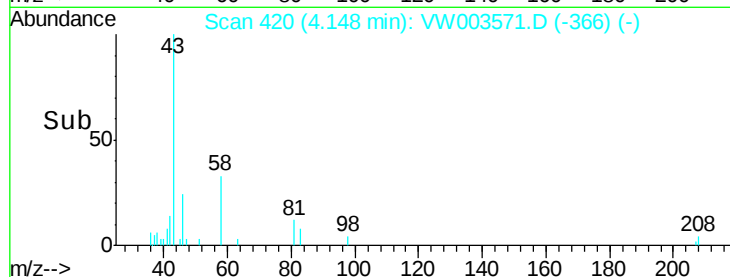
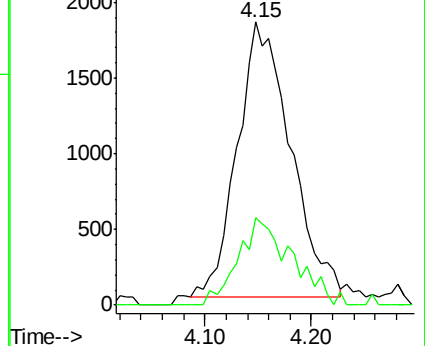
43 100

58 22.6 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.33 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

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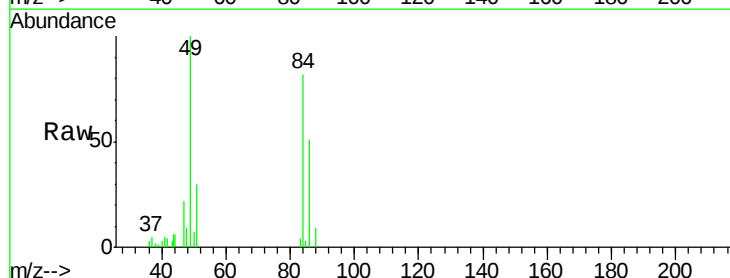
Tgt Ion: 84 Resp: 10550

Ion Ratio Lower Upper

84 100

49 122.1 88.7 164.7

86 62.8 44.2 82.0



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

