

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW081418\  
 Data File : VW004651.D  
 Acq On : 13 Aug 2018 17:10  
 Operator : SY/AP  
 Sample : J4450-02  
 Misc : 6.06G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAB01

Quant Time: Aug 14 01:21:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM080218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 14 01:20:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 687721   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 709814   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 313844   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 214866   | 25.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.48%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 176355   | 24.51    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.04%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 308032   | 17.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.92%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 261856   | 69.43    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 138.86%# |
| 24) Chloroform-d               | 7.65   | 84    | 450814   | 24.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.84%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 278471   | 26.83    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.32%  |
| 29) Benzene-d6                 | 8.28   | 84    | 860081   | 22.78    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.12%   |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 295263   | 23.93    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.72%   |
| 37) Toluene-d8                 | 10.33  | 98    | 736268   | 22.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.48%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 121009   | 23.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.36%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 208344   | 69.35    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 138.70%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 385001   | 28.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 115.08%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 308369   | 26.16    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.64%  |

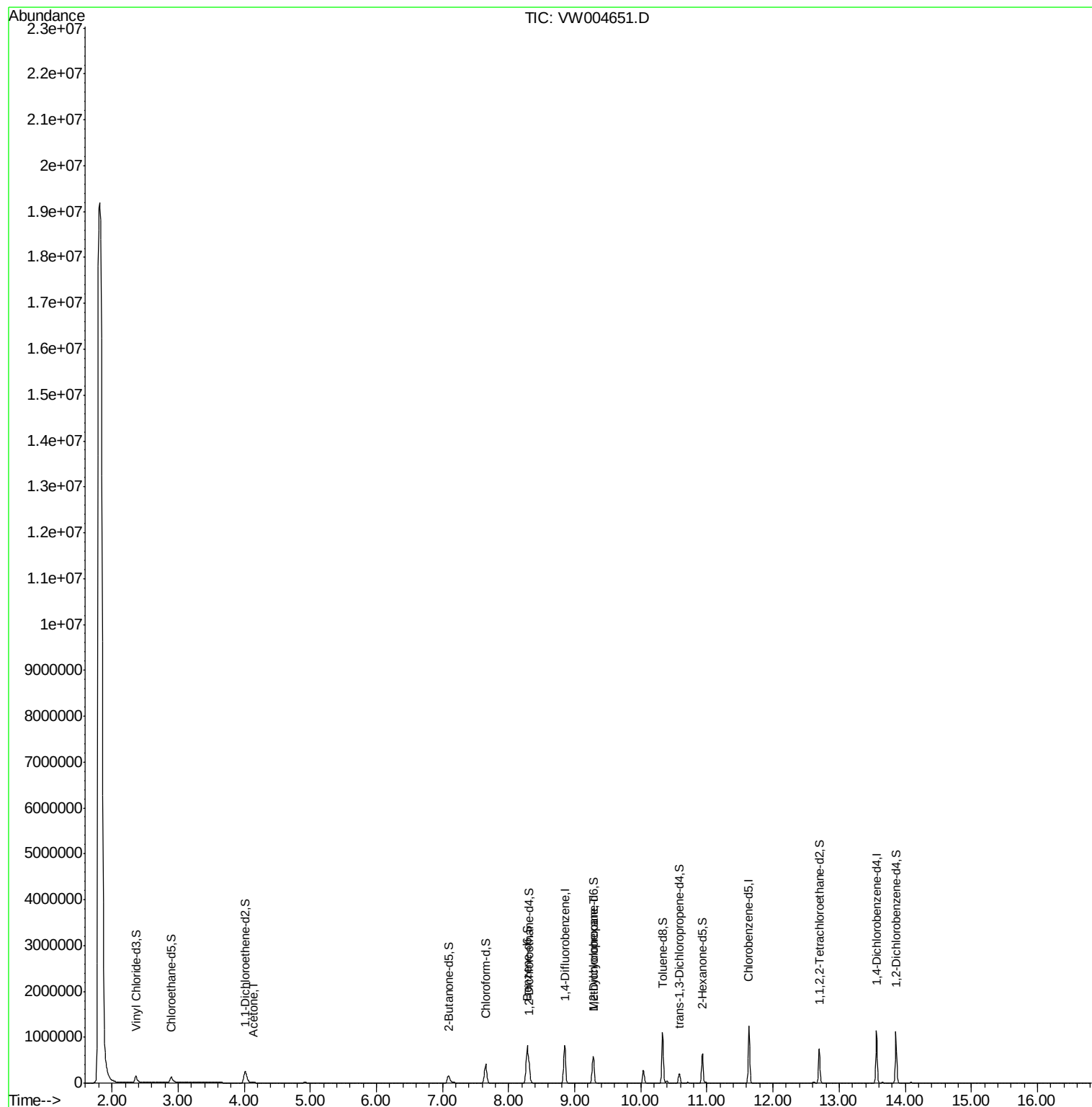
| Target Compounds      |      |    |       |              | Qvalue |
|-----------------------|------|----|-------|--------------|--------|
| 13) Acetone           | 4.14 | 43 | 32824 | 10.045 ug/L  | 97     |
| 36) Methylcyclohexane | 9.28 | 83 | 66971 | 3.466 ug/L # | 19     |

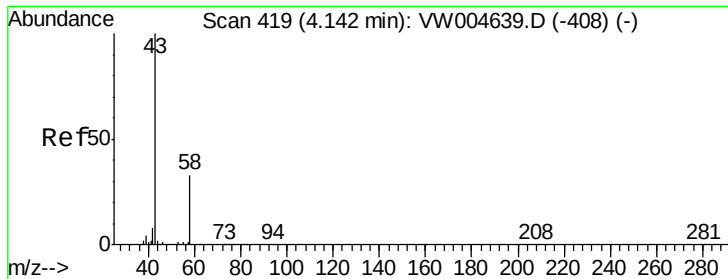
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 14 01:21:20 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM080218S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Aug 14 01:20:10 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 10.045 ug/L

RT: 4.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VW004651.D

Acq: 13 Aug 2018 17:10

Instrument :

MSVOA\_W

ClientSampled :

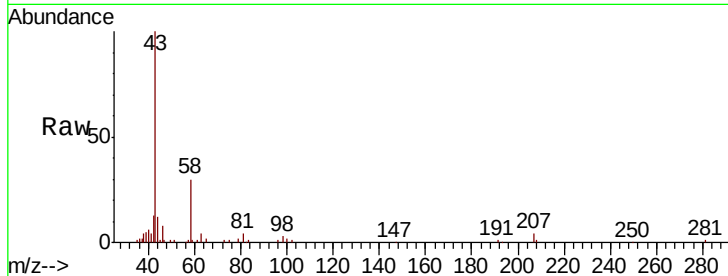
GAB01

Tgt Ion: 43 Resp: 32824

Ion Ratio Lower Upper

43 100

58 34.9 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

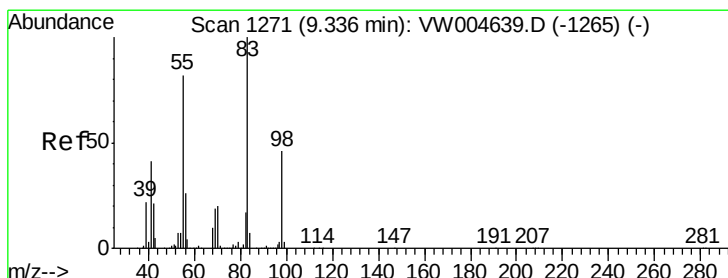
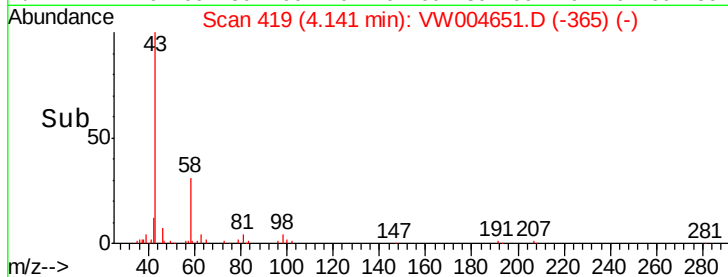
4.14

10000

5000

0

Time-->



#36

Methylcyclohexane

Concen: 3.466 ug/L

RT: 9.28 min Scan# 1262

Delta R.T. -0.06 min

Lab File: VW004651.D

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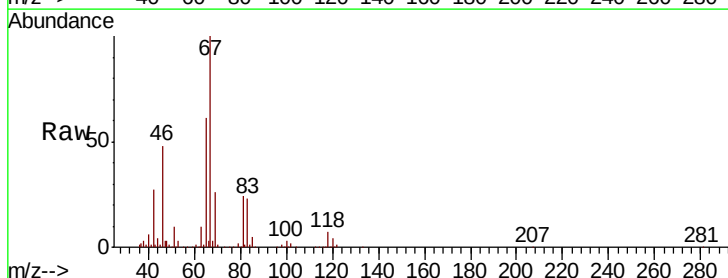
Tgt Ion: 83 Resp: 66971

Ion Ratio Lower Upper

83 100

55 1.0 62.8 94.2#

98 1.8 36.6 54.8#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

9.28

40000

30000

20000

10000

0

Time-->

