

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\  
 Data File : VW015588.D  
 Acq On : 11 Jun 2020 14:40  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK

Quant Time: Jun 12 06:19:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 12 05:02:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 312086   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 285013   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 126843   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 61652    | 21.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.24% |
| 7) Chloroethane-d5             | 2.90   | 69    | 66929    | 23.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.12% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 106753   | 15.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.28% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 43351    | 46.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.86% |
| 24) Chloroform-d               | 7.65   | 84    | 162866   | 22.57    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.28% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 92584    | 23.06    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.24% |
| 29) Benzene-d6                 | 8.28   | 84    | 321139   | 22.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.92% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 96768    | 22.78    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.12% |
| 37) Toluene-d8                 | 10.33  | 98    | 305105   | 22.45    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.80% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 36439    | 18.54    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.16% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 33661    | 45.77    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.54% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 72057    | 22.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.12% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 98993    | 23.29    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.16% |

## Target Compounds

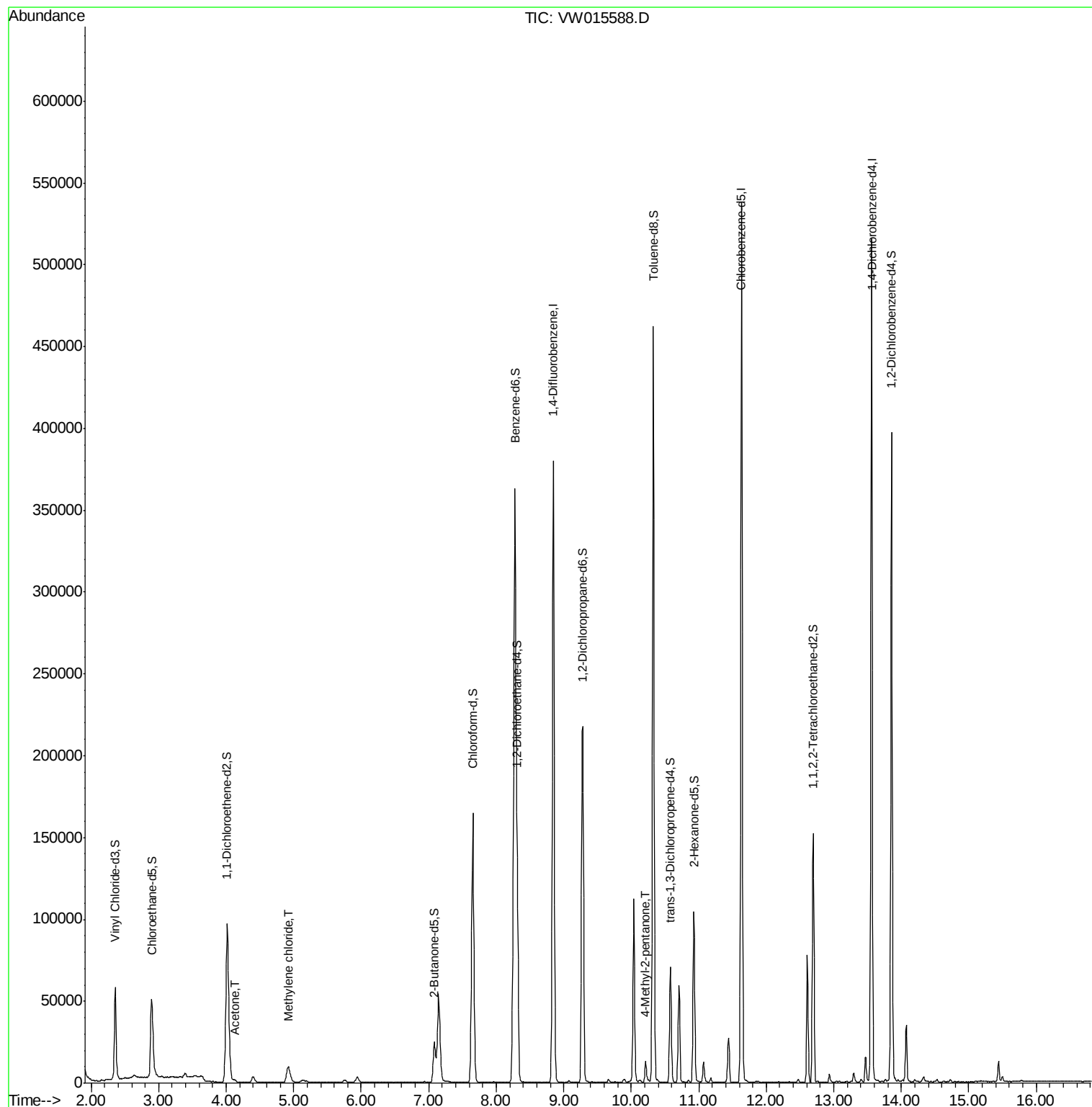
|                          |       |    |      |            | Ovalue |
|--------------------------|-------|----|------|------------|--------|
| 13) Acetone              | 4.12  | 43 | 1935 | 2.681 ug/L | 89     |
| 16) Methylene chloride   | 4.92  | 84 | 7876 | 2.056 ug/L | 93     |
| 43) 4-Methyl-2-pentanone | 10.21 | 43 | 8868 | 3.854 ug/L | 98     |

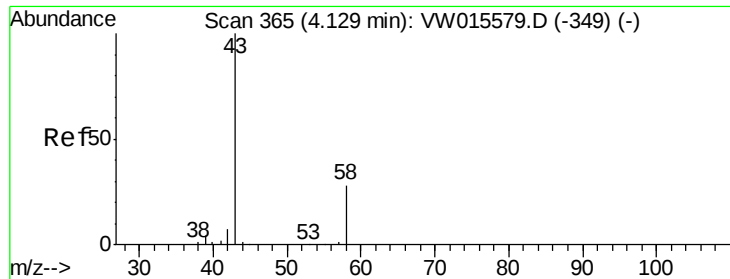
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Jun 12 05:02:36 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 2.681 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015588.D

Acq: 11 Jun 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

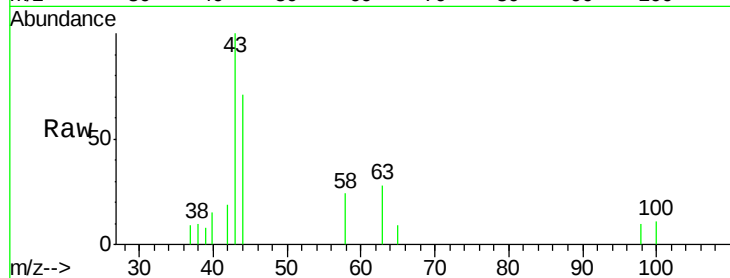
VIBLK

Tot Ion: 43 Resp: 1935

Ion Ratio Lower Upper

43 100

58 22.6 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

600

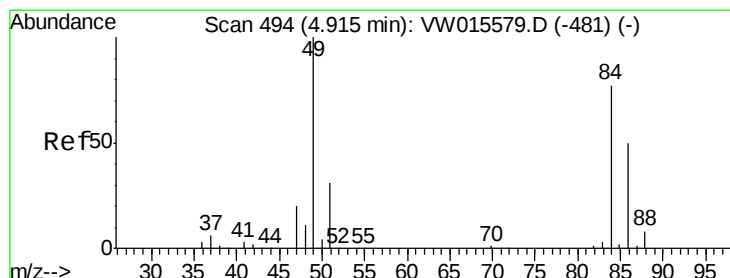
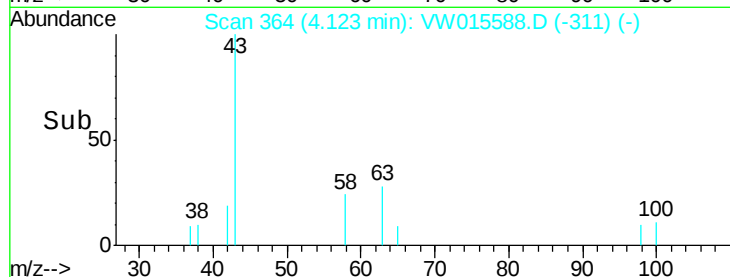
400

200

0

4.05 4.10 4.15 4.20

Time-->



#16

Methylene chloride

Concen: 2.056 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015588.D

Acq: 11 Jun 2020 14:40

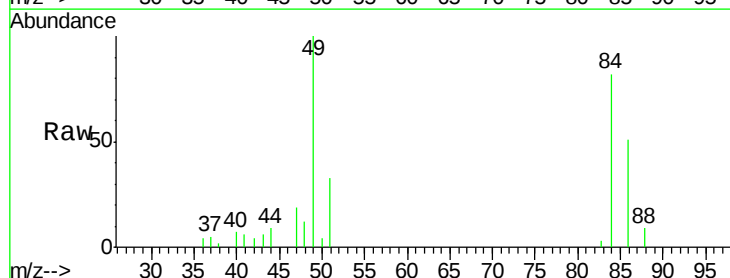
Tgt Ion: 84 Resp: 7876

Ion Ratio Lower Upper

84 100

49 121.6 93.0 172.8

86 62.1 44.7 83.1



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

4.92

4000

3000

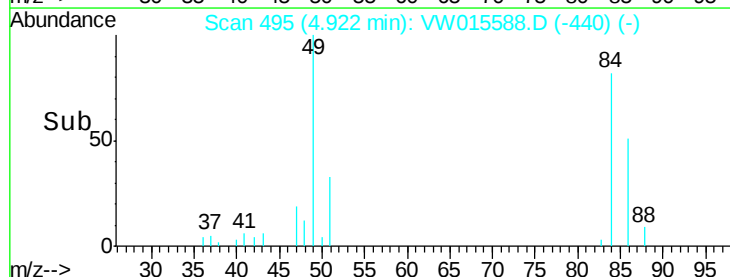
2000

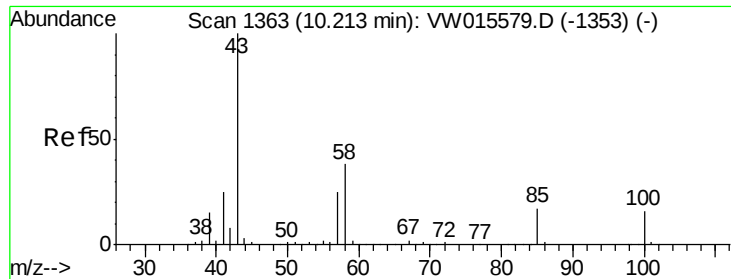
1000

0

4.80 4.90 5.00

Time-->





#43

4-Methyl-2-pentanone

Concen: 3.854 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

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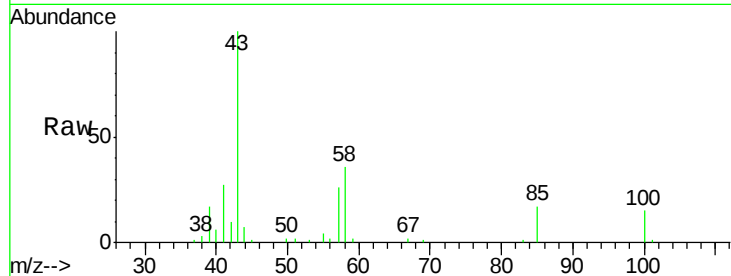
Tot Ion: 43 Resp: 8868

Ion Ratio Lower Upper

43 100

58 37.6 30.6 46.0

100 13.7 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

