

Data File : VW009188.D  
Acq On : 14 Mar 2019 23:37  
Operator : SY/VA  
Sample : VIBLK61  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK61

Quant Time: Mar 15 06:58:28 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 15 06:53:55 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 426843   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 421510   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 198934   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 132548   | 25.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.96% |
| 7) Chloroethane-d5             | 2.89   | 69    | 130039   | 21.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.16%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 200766   | 18.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.84%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 102324   | 48.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.02%  |
| 24) Chloroform-d               | 7.64   | 84    | 277104   | 23.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.16%  |
| 26) 1,2-Dichloroethane-d4      | 8.41   | 65    | 98       | 0.01     | ug/L | 0.10    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.04%#  |
| 29) Benzene-d6                 | 8.27   | 84    | 532760   | 22.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 164767   | 23.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.40%  |
| 37) Toluene-d8                 | 10.32  | 98    | 495667   | 23.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 92.24%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 78413    | 22.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.44%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 78408    | 46.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.74%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 160863   | 23.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 93.56%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 192319   | 25.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.84% |

#### Target Compounds

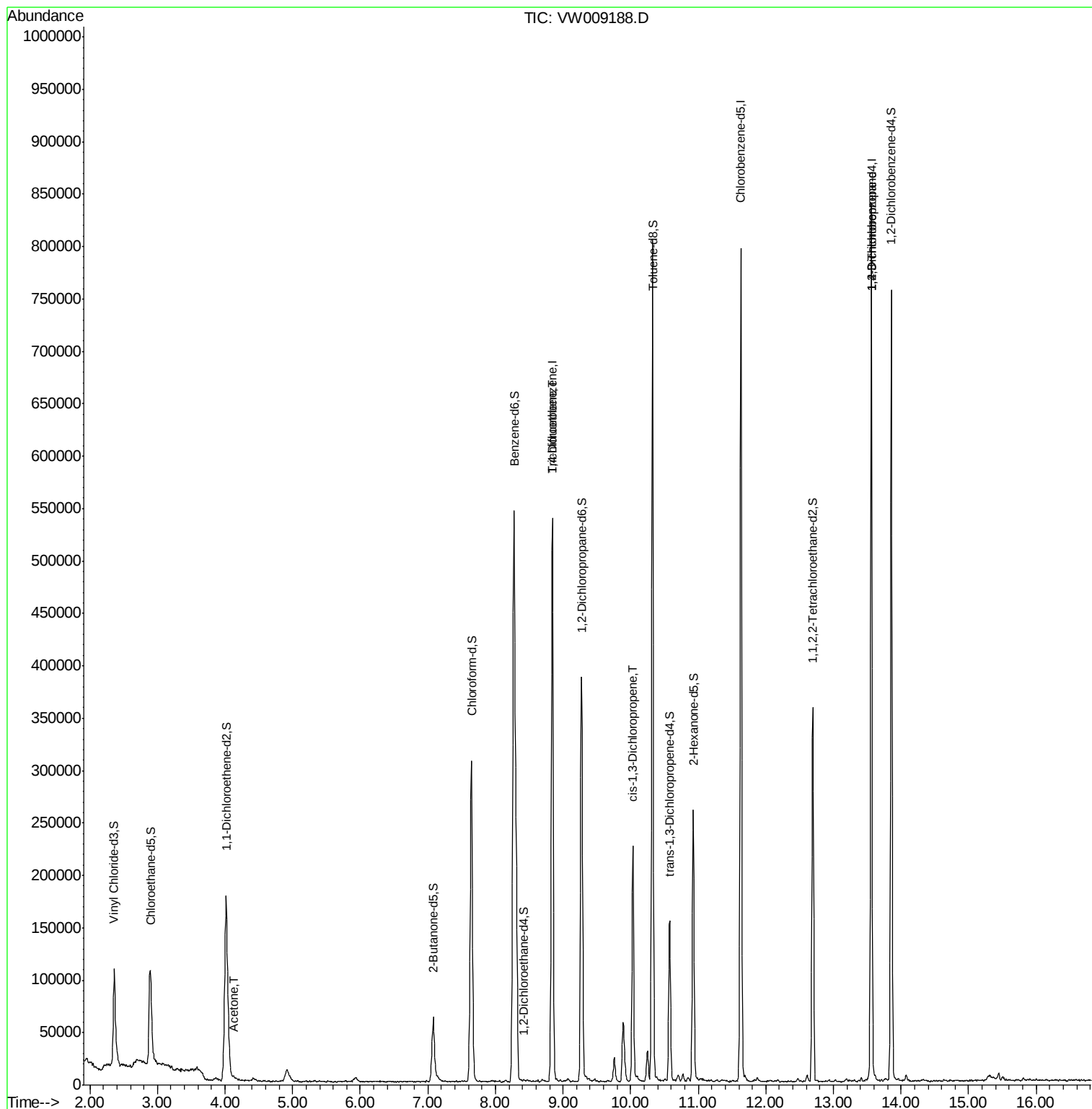
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.12  | 43 | 3201  | 1.850 ug/L   | 87     |
| 35) Trichloroethene         | 8.84  | 95 | 13613 | 2.214 ug/L # | 4      |
| 42) cis-1,3-Dichloropropene | 10.03 | 75 | 6089  | 0.631 ug/L   | 86     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 24769 | 5.238 ug/L   | 90     |

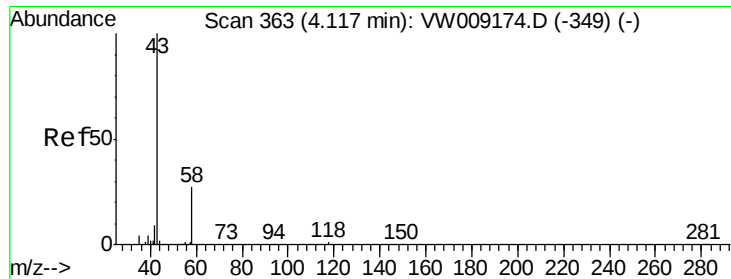
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.850 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Instrument :

MSVOA\_W

ClientSampleId :

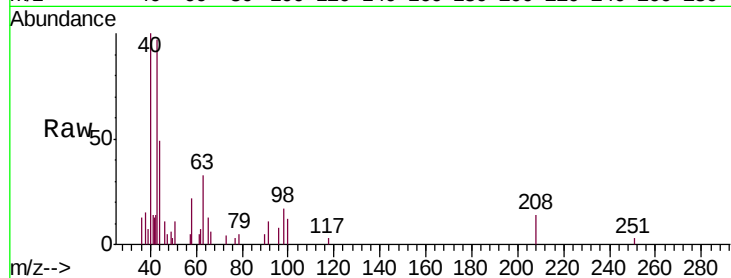
VIBLK61

Tgt Ion: 43 Resp: 3201

Ion Ratio Lower Upper

43 100

58 21.1 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

1500

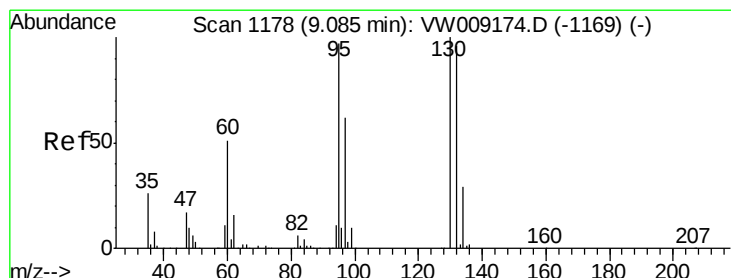
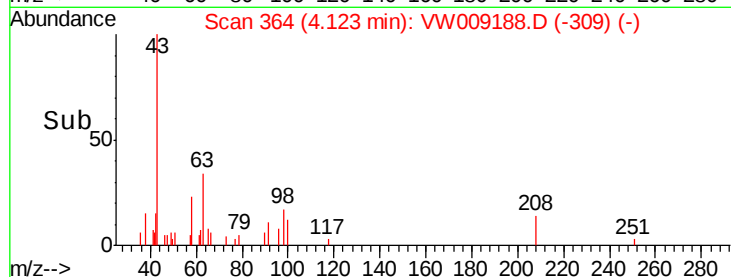
1000

500

0

Time-->

4.05 4.10 4.15 4.20



#35

Trichloroethene

Concen: 2.214 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

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Tgt Ion: 95 Resp: 13613

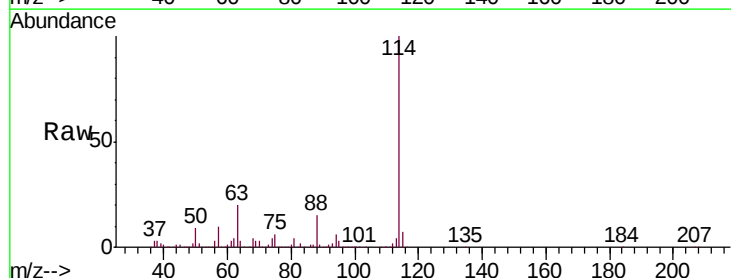
Ion Ratio Lower Upper

95 100

97 1.0 44.7 82.9#

132 0.0 69.0 128.2#

130 0.0 72.7 134.9#



Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

10000

8000

6000

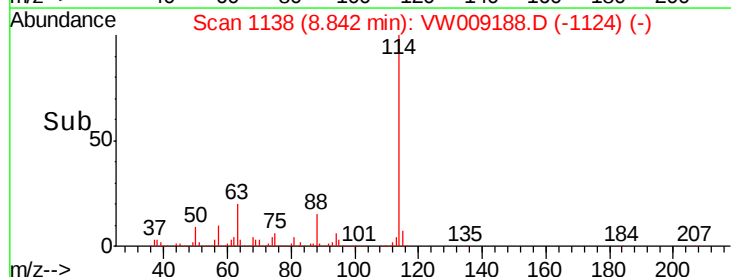
4000

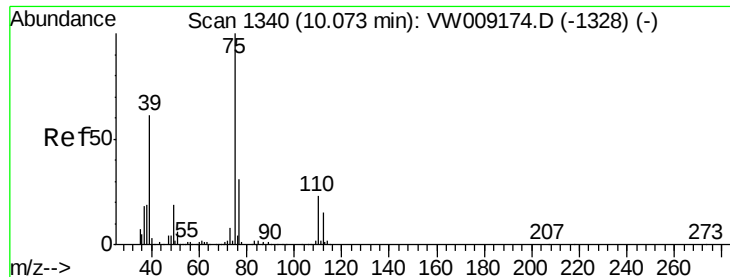
2000

0

Time-->

8.75 8.80 8.85 8.90





#42

cis-1,3-Dichloropropene

Concen: 0.631 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

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MSVOA\_W

ClientSampleId :

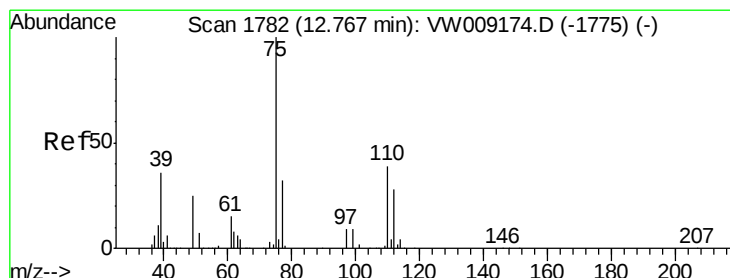
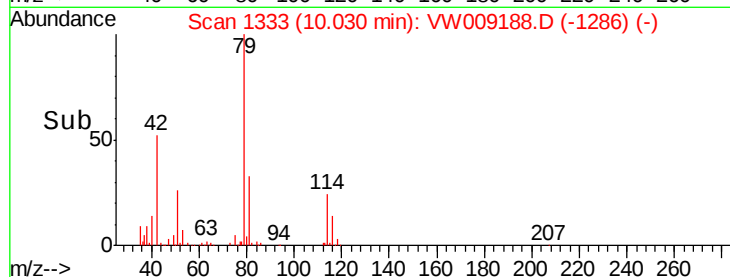
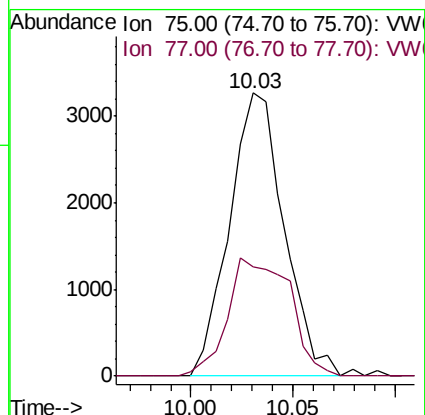
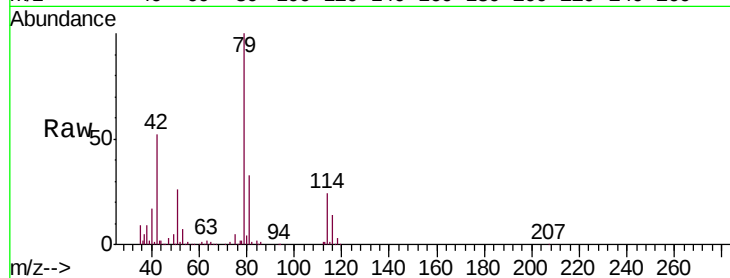
VIBLK61

Tgt Ion: 75 Resp: 6089

Ion Ratio Lower Upper

75 100

77 38.5 21.6 40.2



#59

1,2,3-Trichloropropane

Concen: 5.238 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009188.D

Acq: 14 Mar 2019 23:37

Tgt Ion: 75 Resp: 24769

Ion Ratio Lower Upper

75 100

77 38.5 26.2 39.2

