

Data File : VW010996.D  
Acq On : 26 Jun 2019 11:28  
Operator : SY/VA  
Sample : K3497-07  
Misc : 5.03G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VHBLK01

Quant Time: Jun 27 07:33:39 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062419S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 27 07:30:59 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 355407   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 322274   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 153336   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 117144   | 25.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.72% |
| 7) Chloroethane-d5             | 2.88   | 69    | 83954    | 23.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.56%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 194955   | 17.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.64%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 126982   | 58.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 117.40% |
| 24) Chloroform-d               | 7.65   | 84    | 233207   | 24.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.32%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 153804   | 25.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.56% |
| 29) Benzene-d6                 | 8.27   | 84    | 489105   | 25.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.12% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 160270   | 25.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.28% |
| 37) Toluene-d8                 | 10.32  | 98    | 432494   | 24.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 99.08%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 63174    | 22.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.32%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 79092    | 55.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 110.10% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 141330   | 26.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 107.28% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 149178   | 25.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.08% |

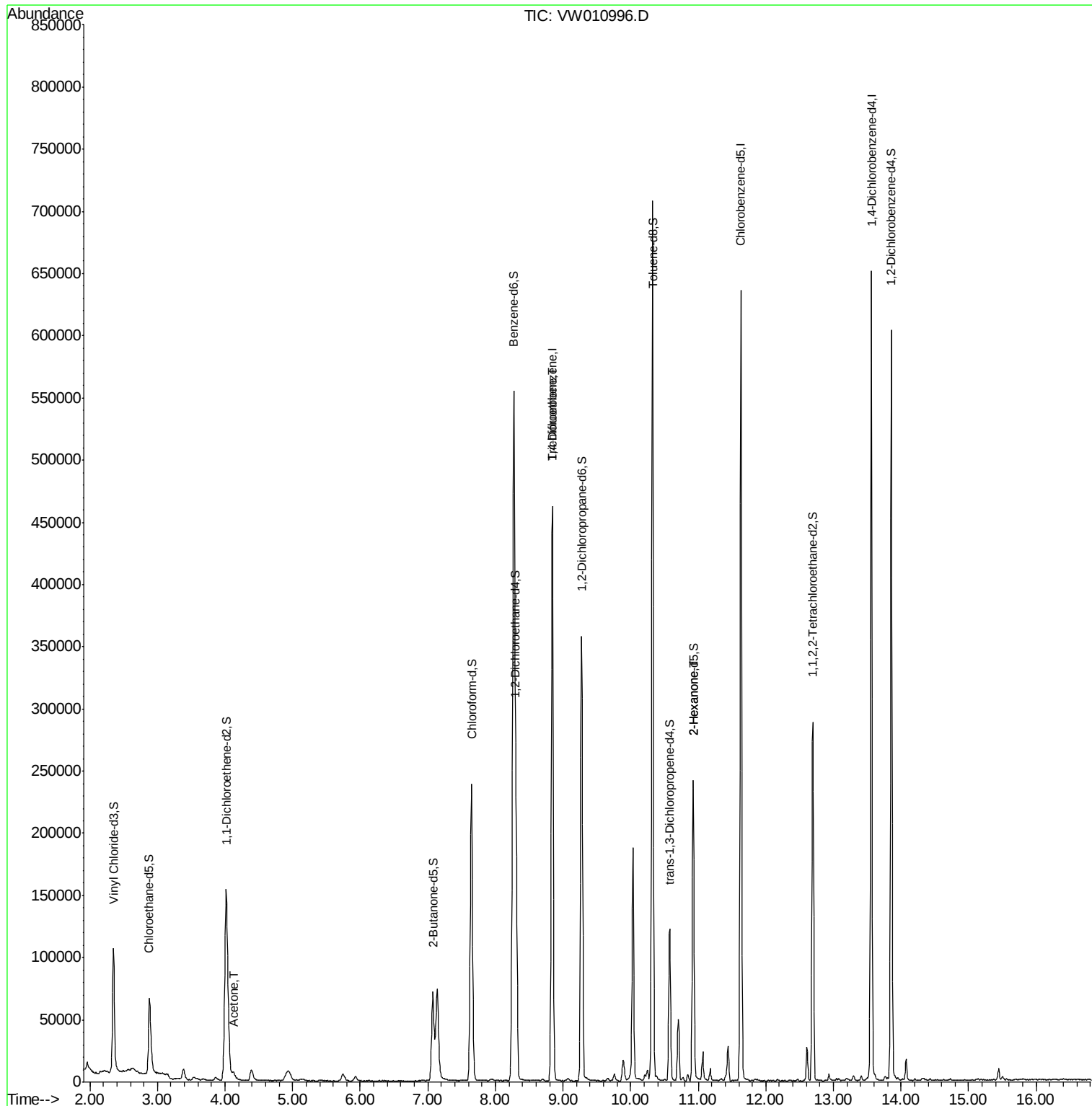
| Target Compounds    |       |    |       |              | Qvalue |
|---------------------|-------|----|-------|--------------|--------|
| 13) Acetone         | 4.12  | 43 | 9527  | 4.599 ug/L   | 97     |
| 35) Trichloroethene | 8.84  | 95 | 10891 | 2.028 ug/L # | 7      |
| 49) 2-Hexanone      | 10.93 | 43 | 11178 | 2.905 ug/L # | 67     |

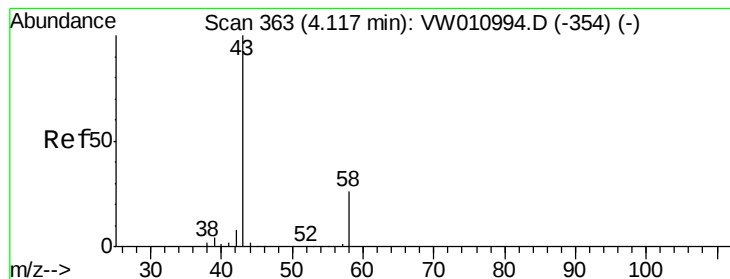
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.599 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Instrument :

MSVOA\_W

ClientSampleId :

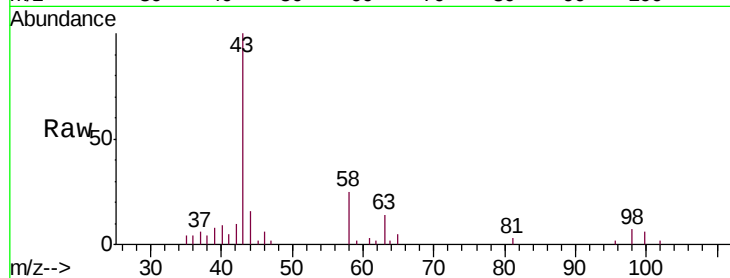
VHBLK01

Tgt Ion: 43 Resp: 9527

Ion Ratio Lower Upper

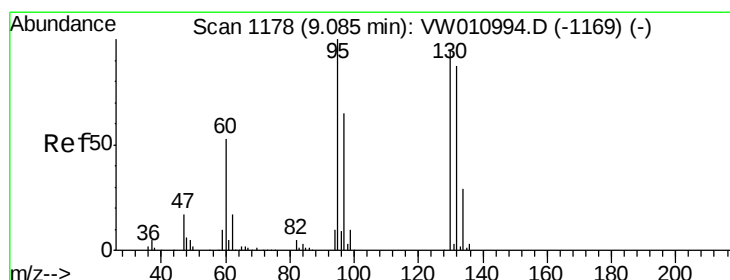
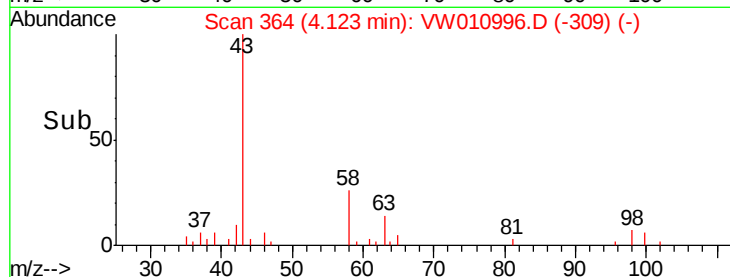
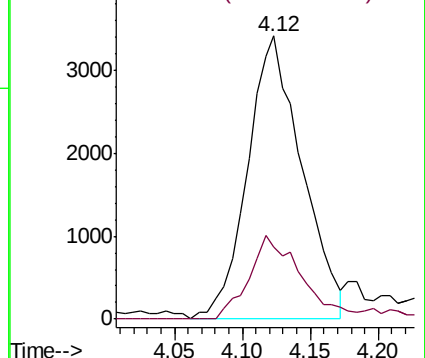
43 100

58 28.1 0.0 53.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#35

Trichloroethene

Concen: 2.028 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

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Tgt Ion: 95 Resp: 10891

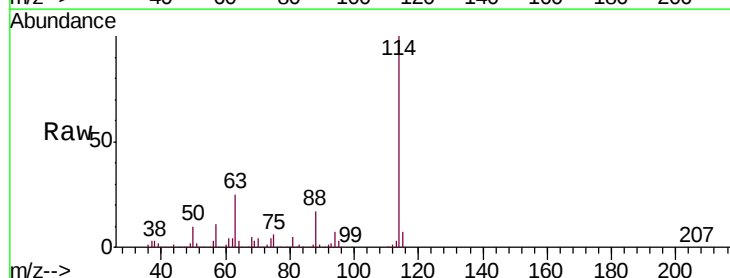
Ion Ratio Lower Upper

95 100

97 0.0 44.9 83.3#

132 0.0 64.0 119.0#

130 0.0 67.4 125.2#

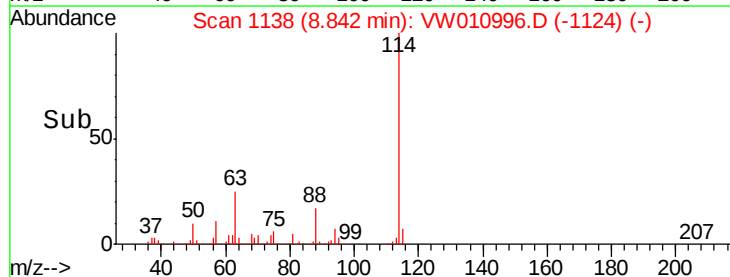
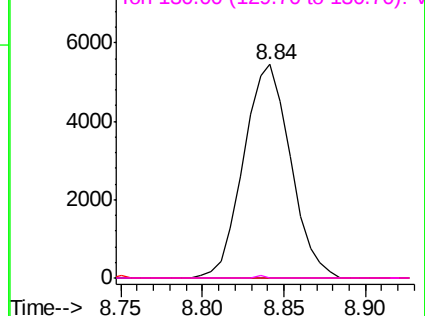


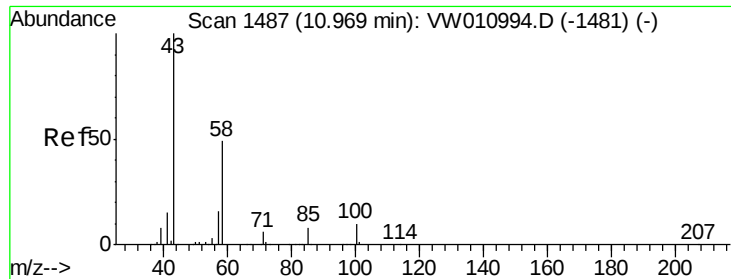
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#49

2-Hexanone

Concen: 2.905 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

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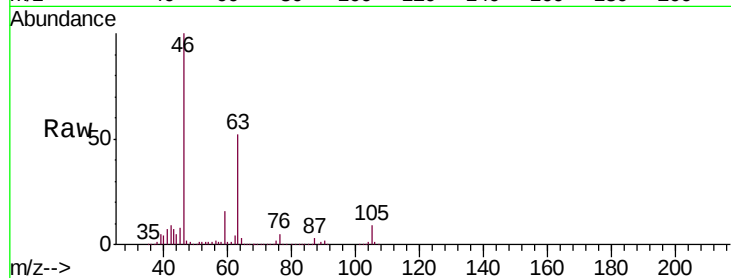
Acq: 26 Jun 2019 11:28

Instrument :

MSVOA\_W

ClientSampleId :

VHBLK01



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 11178 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 19.8  | 38.3  | 57.5# |
| 57       | 22.3  | 13.8  | 20.8# |
| 100      | 0.0   | 7.3   | 10.9# |

