

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062519\  
 Data File : VW010976.D  
 Acq On : 25 Jun 2019 19:27  
 Operator : SY/VA  
 Sample : K3460-04  
 Misc : 5.44G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 YANT4

Quant Time: Jun 26 05:11:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 26 04:33:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 194023   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 169681   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 77050    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 57549    | 22.88    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.52%  |
| 7) Chloroethane-d5             | 2.88   | 69    | 39271    | 20.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.04%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 95509    | 16.07    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 64.28%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 70857    | 60.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 120.00% |
| 24) Chloroform-d               | 7.65   | 84    | 119510   | 22.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 80369    | 24.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 99.12%  |
| 29) Benzene-d6                 | 8.27   | 84    | 249411   | 24.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.92%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 84302    | 25.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.16% |
| 37) Toluene-d8                 | 10.32  | 98    | 219251   | 23.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.40%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 30961    | 20.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 83.12%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 44658    | 59.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.06% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 74795    | 26.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 107.84% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 73397    | 25.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.96% |

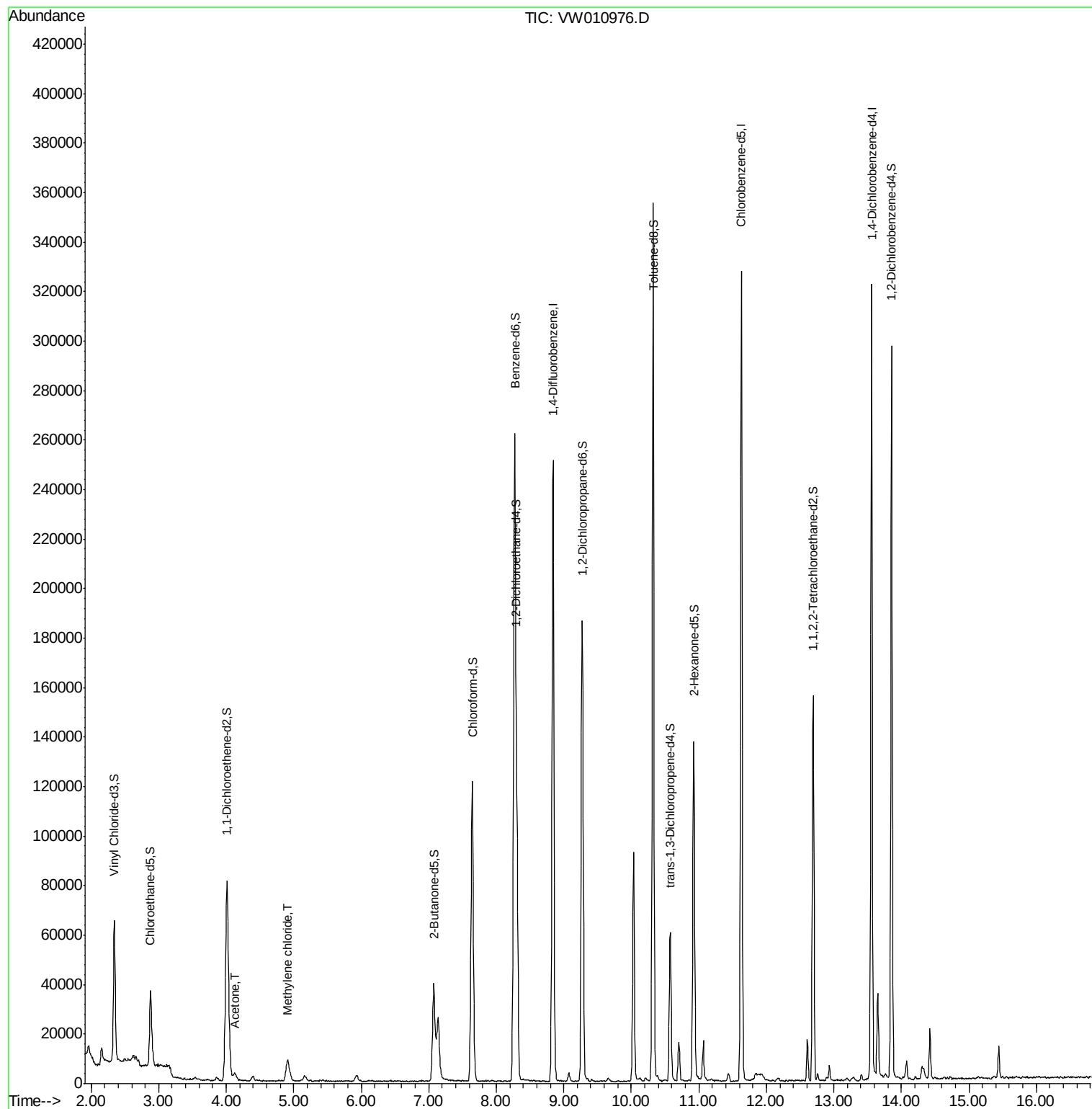
| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 3934 | 3.478 ug/L | 86     |
| 16) Methylene chloride | 4.91 | 84 | 6857 | 2.386 ug/L | 98     |

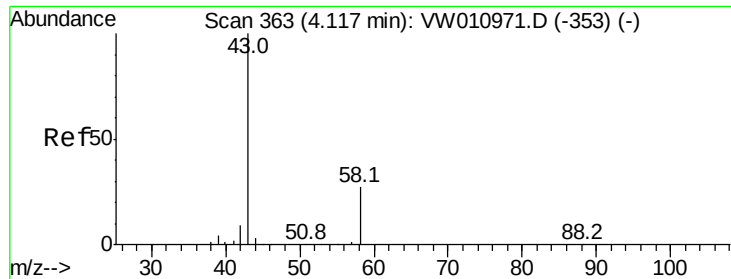
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062419S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jun 26 04:33:18 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 3.478 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010976.D

Acq: 25 Jun 2019 19:27

Instrument :

MSVOA\_W

ClientSampled :

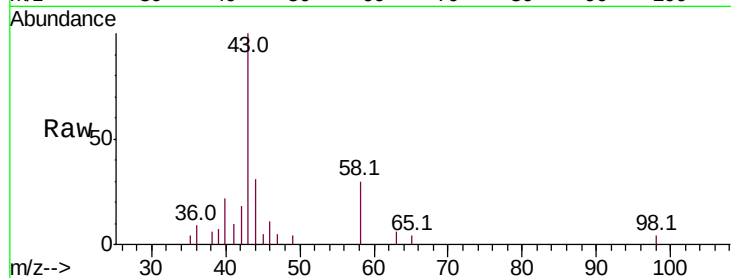
YANT4

Tot Ion: 43 Resp: 3934

Ion Ratio Lower Upper

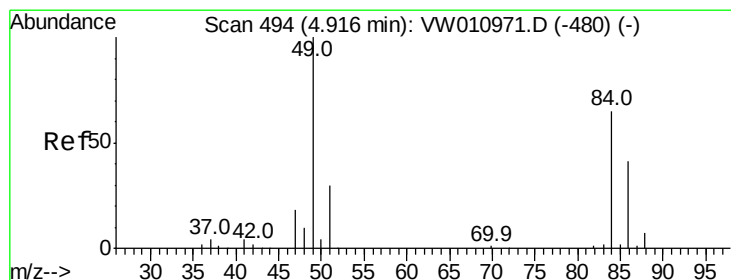
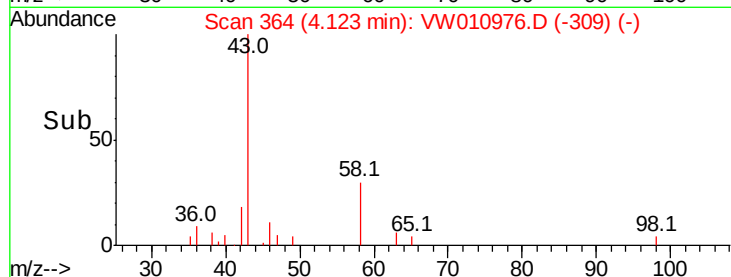
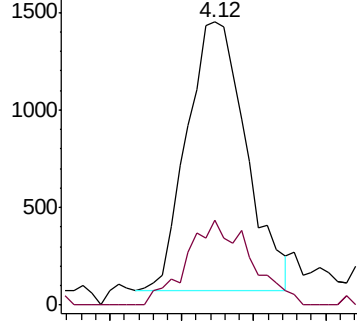
43 100

58 19.4 0.0 53.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.386 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

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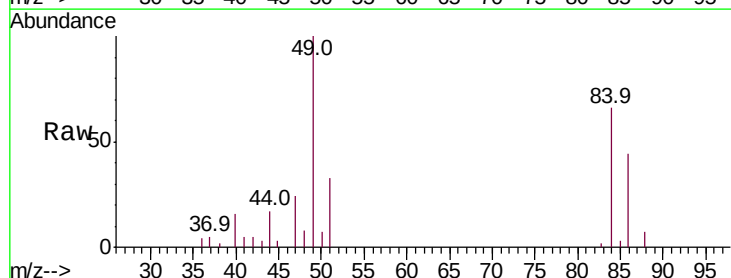
Tgt Ion: 84 Resp: 6857

Ion Ratio Lower Upper

84 100

49 151.6 107.0 198.8

86 67.3 44.4 82.5



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

