

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
 Data File : VW011891.D  
 Acq On : 13 Aug 2019 13:21  
 Operator : SY/VA  
 Sample : K4215-22  
 Misc : 5.77G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETOC6

Quant Time: Aug 14 05:33:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 14 04:55:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 152776   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 101810   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 31744    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 53424    | 24.83    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.32%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 46731    | 30.16    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 120.64%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 63679    | 12.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 51.64%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 41483    | 42.82    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.64%   |
| 24) Chloroform-d               | 7.65   | 84    | 112601   | 26.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 107.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 86071    | 34.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 138.64%# |
| 29) Benzene-d6                 | 8.27   | 84    | 167200   | 26.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 104.48%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 71119    | 34.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 137.64%# |
| 37) Toluene-d8                 | 10.32  | 98    | 73846    | 13.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 52.00%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 21199    | 23.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.60%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 28773    | 59.60    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 119.20%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 52708    | 30.71    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 122.84%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 14704    | 12.02    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 48.08%#  |

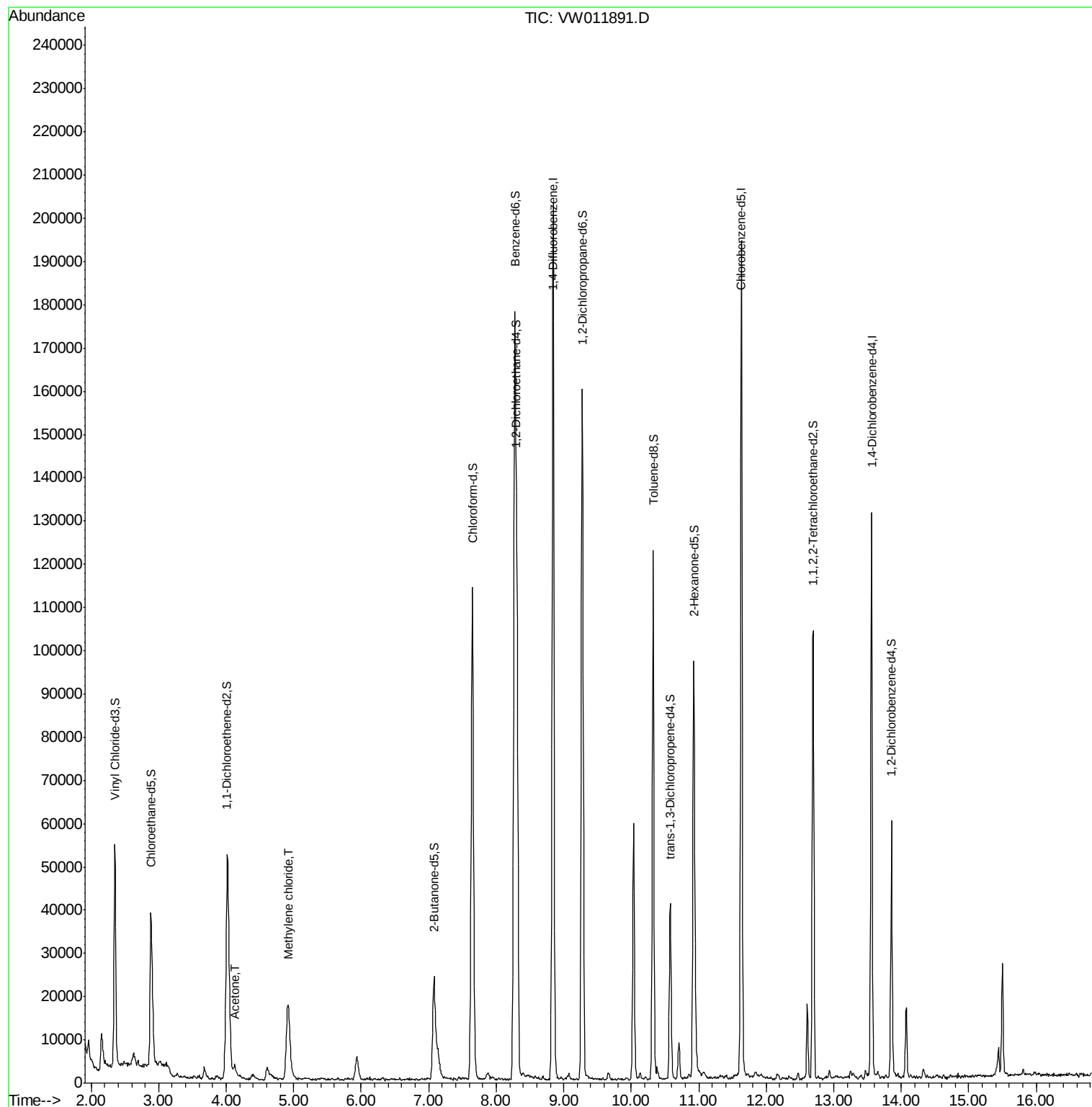
| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 4494  | 4.332 ug/L | 92     |
| 16) Methylene chloride | 4.92 | 84 | 13980 | 5.864 ug/L | 96     |

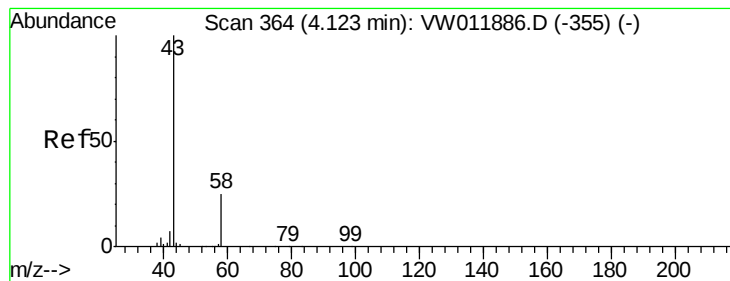
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
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Quant Title : VOC Analysis  
QLast Update : Wed Aug 14 04:55:20 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 4.332 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW011891.D

Acq: 13 Aug 2019 13:21

Instrument :

MSVOA\_W

ClientSampleId :

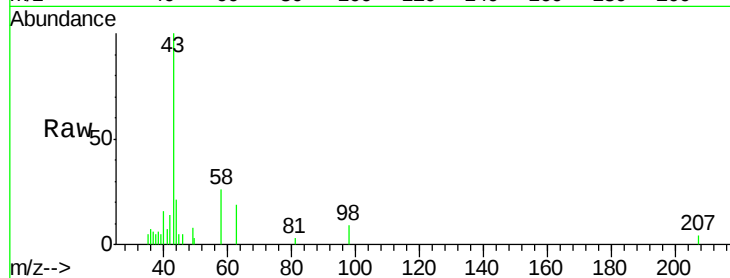
ETOC6

Tot Ion: 43 Resp: 4494

Ion Ratio Lower Upper

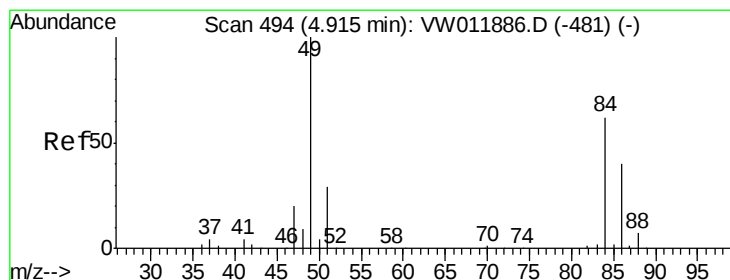
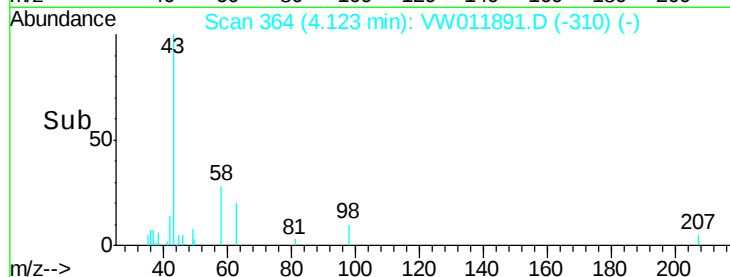
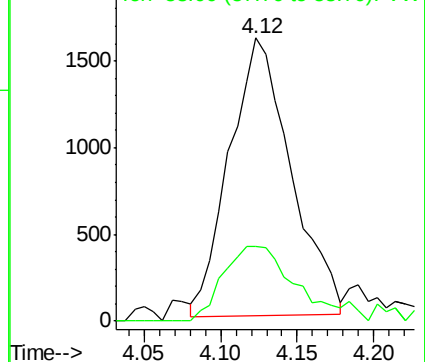
43 100

58 30.9 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 5.864 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

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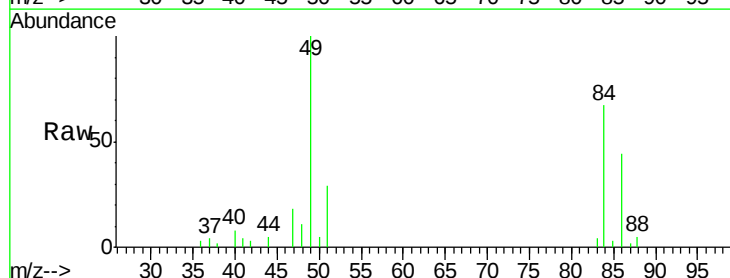
Tgt Ion: 84 Resp: 13980

Ion Ratio Lower Upper

84 100

49 148.2 106.8 198.4

86 65.8 42.8 79.4



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

