

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101620\  
 Data File : VW016907.D  
 Acq On : 15 Oct 2020 10:55  
 Operator : SY/VA  
 Sample : VW1016SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK

Quant Time: Oct 16 08:22:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 16 08:07:29 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 538048   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 486526   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 225238   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 119280   | 22.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.88%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 102779   | 23.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.32%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 189282   | 16.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.16%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 64553    | 53.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 107.38% |
| 24) Chloroform-d               | 7.65   | 84    | 284386   | 25.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.20% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 142366   | 25.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.84% |
| 29) Benzene-d6                 | 8.28   | 84    | 563628   | 25.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 102.04% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 157907   | 26.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.36% |
| 37) Toluene-d8                 | 10.33  | 98    | 538209   | 25.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 103.24% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 63531    | 24.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.04%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 53714    | 58.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 116.98% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 128744   | 26.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 107.36% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 200570   | 28.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 112.28% |

## Target Compounds

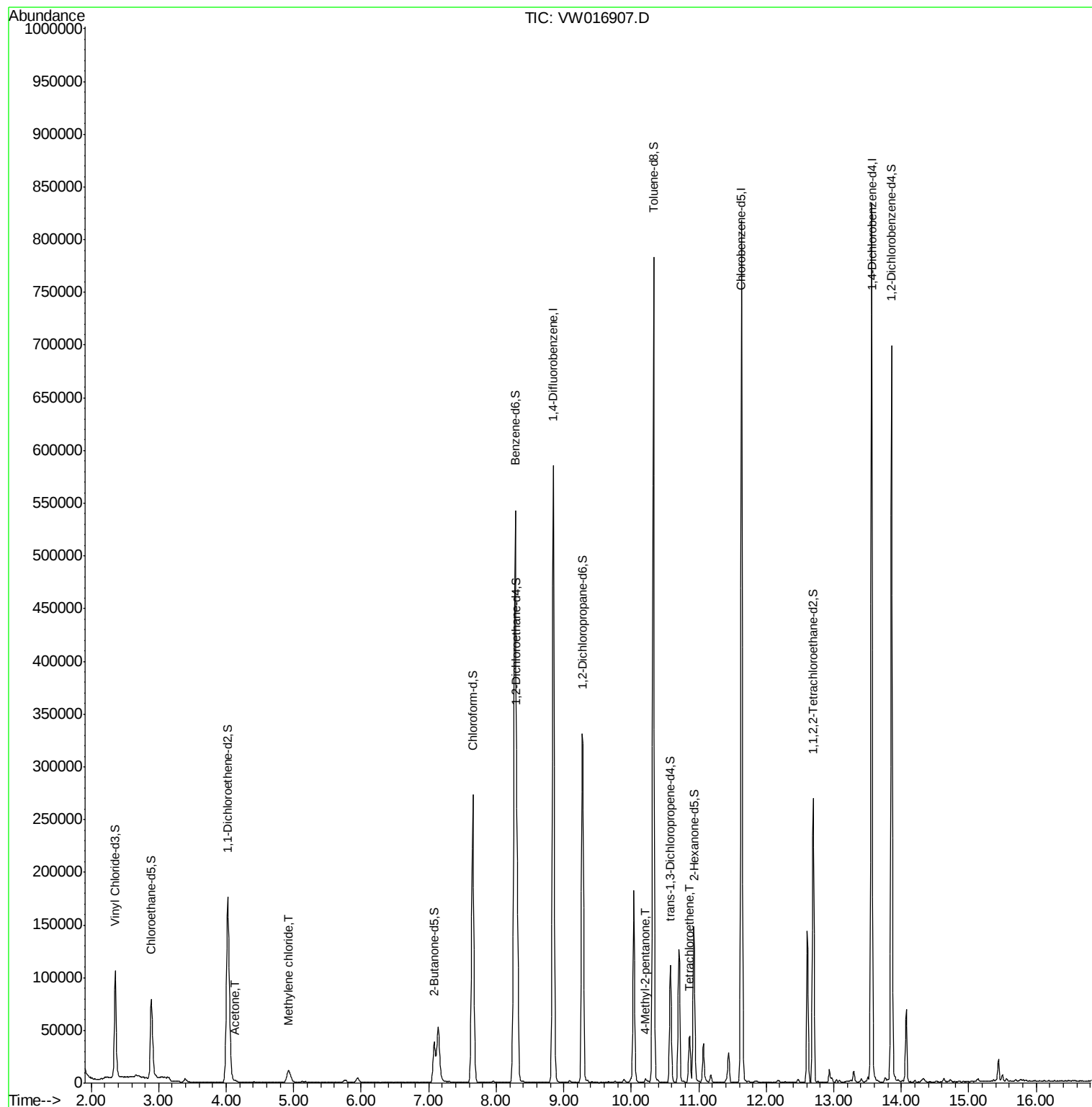
| Target Compounds         | R.T.  | QIon | Response | Conc  | Units | Ovalue |
|--------------------------|-------|------|----------|-------|-------|--------|
| 13) Acetone              | 4.13  | 43   | 1979     | 2.175 | ug/L  | 86     |
| 16) Methylene chloride   | 4.92  | 84   | 10870    | 1.464 | ug/L  | 91     |
| 43) 4-Methyl-2-pentanone | 10.21 | 43   | 2293     | 0.771 | ug/L  | 97     |
| 47) Tetrachloroethene    | 10.87 | 164  | 10599    | 1.547 | ug/L  | 96     |

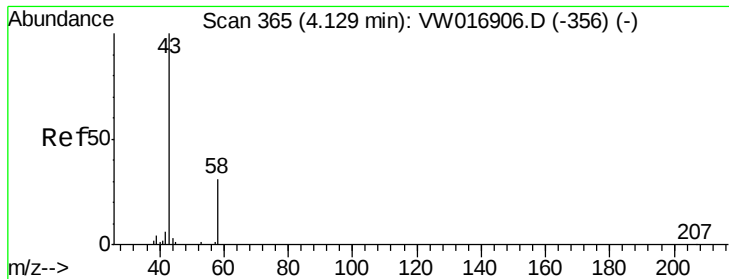
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Oct 16 08:07:29 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 2.175 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW016907.D

Acq: 15 Oct 2020 10:55

Instrument :

MSVOA\_W

ClientSampled :

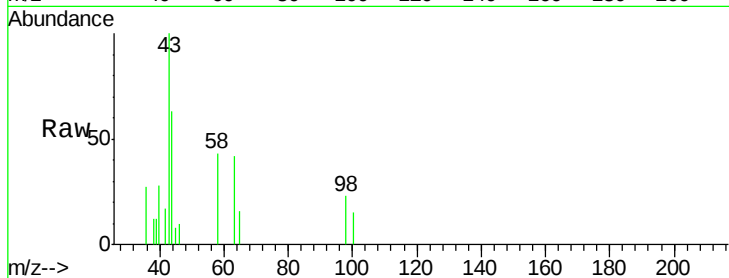
VBLK

Tot Ion: 43 Resp: 1979

Ion Ratio Lower Upper

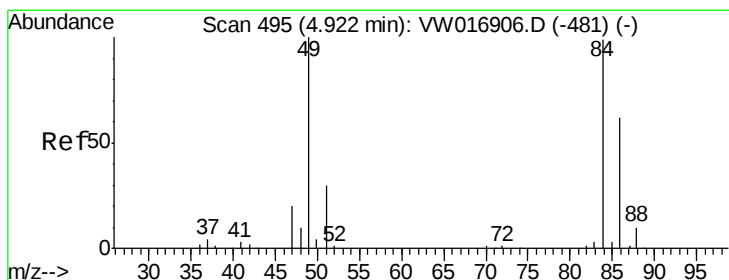
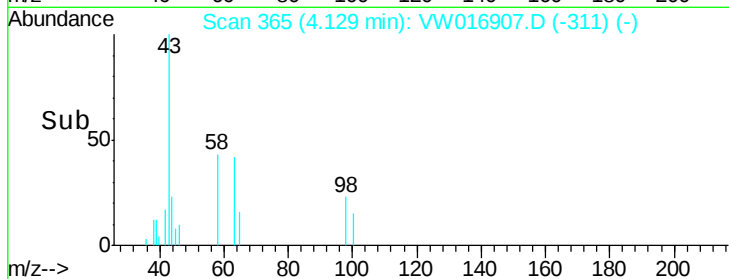
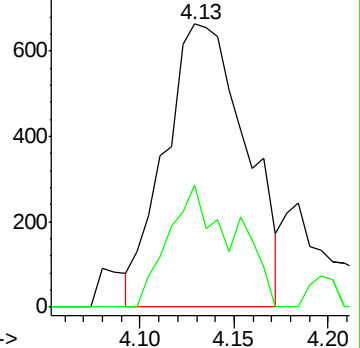
43 100

58 26.0 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.464 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016907.D

Acq: 15 Oct 2020 10:55

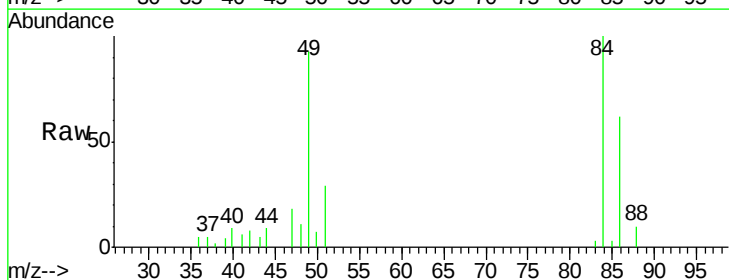
Tgt Ion: 84 Resp: 10870

Ion Ratio Lower Upper

84 100

49 92.8 73.1 135.8

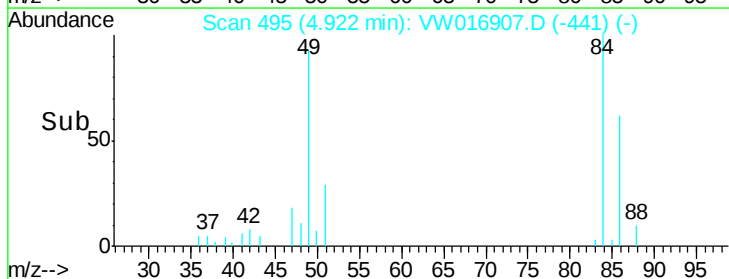
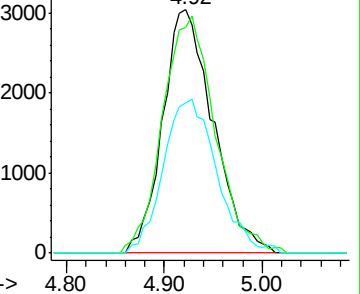
86 61.6 46.0 85.4

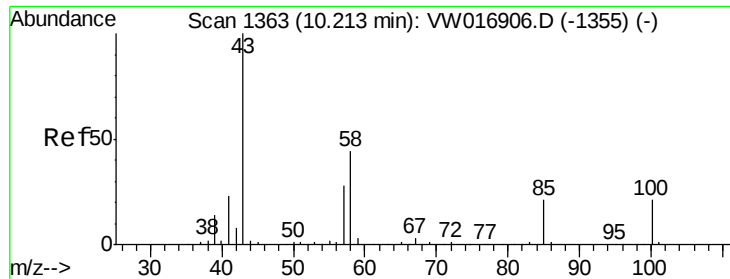


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#43

4-Methyl-2-pentanone

Concen: 0.771 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016907.D

Acq: 15 Oct 2020 10:55

Instrument :

MSVOA\_W

ClientSampleId :

VBLK

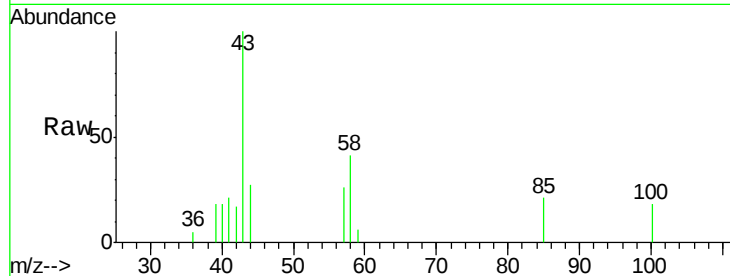
Tot Ion: 43 Resp: 2293

Ion Ratio Lower Upper

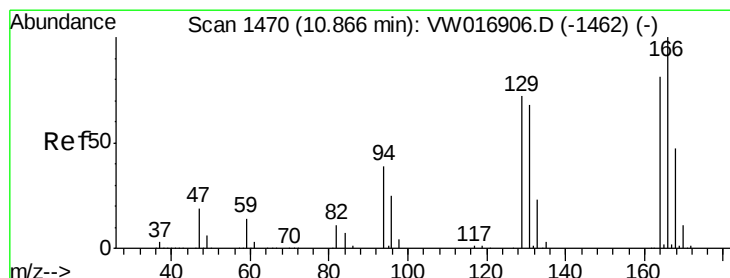
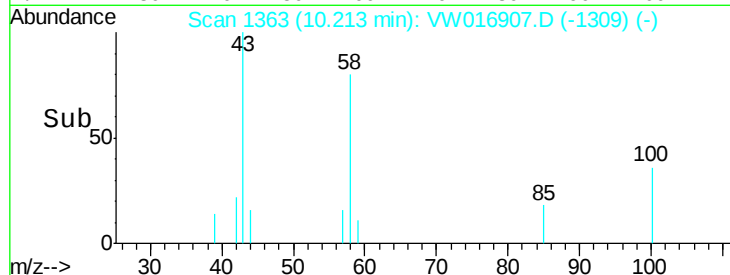
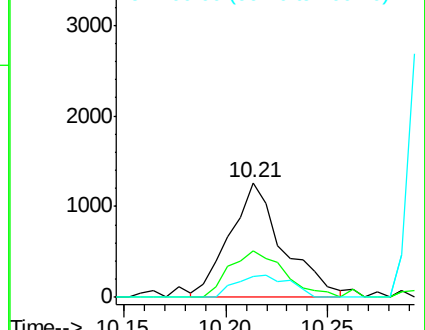
43 100

58 41.5 34.7 52.1

100 19.8 16.9 25.3



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



#47

Tetrachloroethene

Concen: 1.547 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016907.D

Acq: 15 Oct 2020 10:55

Tgt Ion: 164 Resp: 10599

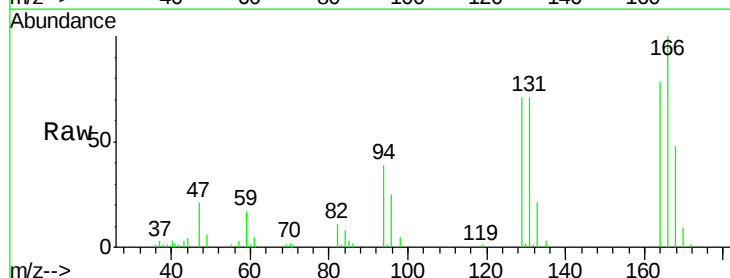
Ion Ratio Lower Upper

164 100

129 91.1 61.7 114.7

131 91.1 59.7 110.9

166 128.4 88.3 164.1



Abundance Ion 164.00 (163.70 to 164.70): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 131.00 (130.70 to 131.70): V  
Ion 166.00 (165.70 to 166.70): V

