

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\  
 Data File : VW004099.D  
 Acq On : 21 Jul 2018 03:06  
 Operator : SY/AP  
 Sample : J4038-17  
 Misc : 6.09G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 21 06:23:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 21 06:22:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 246622   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 214736   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 76876    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 54940    | 22.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.08%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 39653    | 22.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.20%  |
| 10) 1,1-Dichloroethene-d2      | 4.12   | 63    | 315      | 0.05     | ug/L | 0.11    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 0.20%#  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 58185    | 40.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 81.34%  |
| 24) Chloroform-d               | 7.65   | 84    | 154460   | 26.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.56% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 98546    | 27.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.80% |
| 29) Benzene-d6                 | 8.27   | 84    | 248535   | 24.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.80%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 97745    | 29.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 117.68% |
| 37) Toluene-d8                 | 10.33  | 98    | 202638   | 22.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.56%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 22003    | 15.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 60.28%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 25604    | 28.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 57.26%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 104694   | 28.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 115.04% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 67674    | 27.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 109.52% |

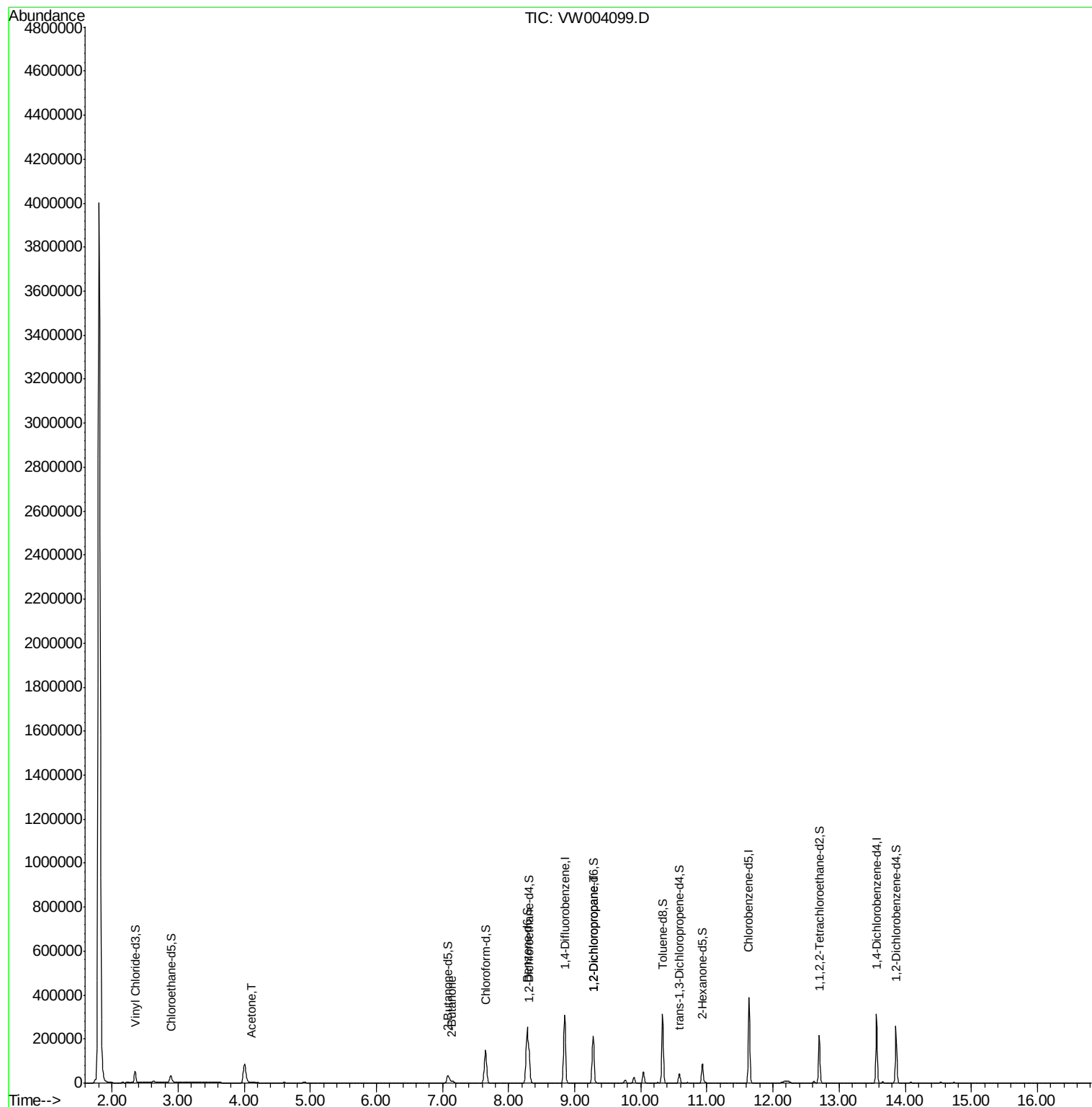
| Target Compounds        |      |    |       |              | Ovalue |
|-------------------------|------|----|-------|--------------|--------|
| 13) Acetone             | 4.12 | 43 | 5201  | 3.344 ug/L   | 80     |
| 21) 2-Butanone          | 7.15 | 43 | 4460  | 2.311 ug/L # | 55     |
| 40) 1,2-Dichloropropane | 9.28 | 63 | 11332 | 3.176 ug/L # | 89     |

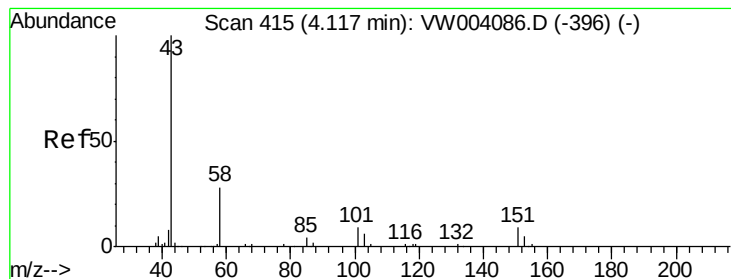
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 21 06:22:08 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 3.344 ug/L

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

Lab File: VW004099.D

Acq: 21 Jul 2018 03:06

Instrument :

MSVOA\_W

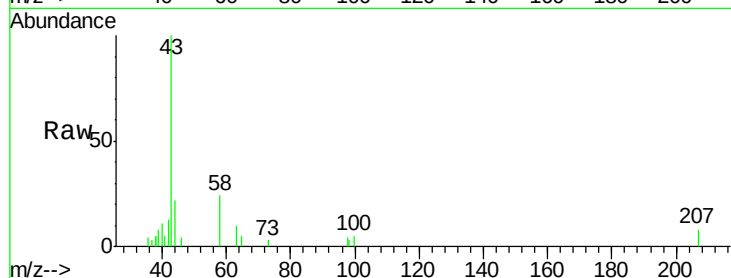
ClientSampled :

Tot Ion: 43 Resp: 5201

Ion Ratio Lower Upper

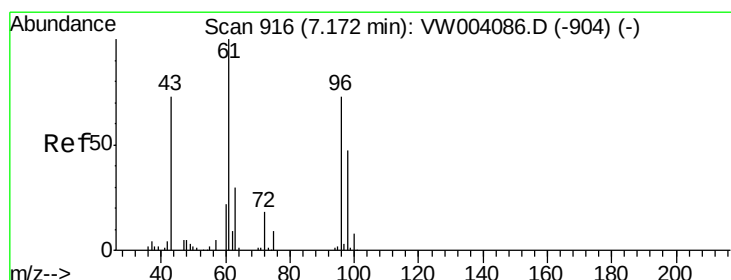
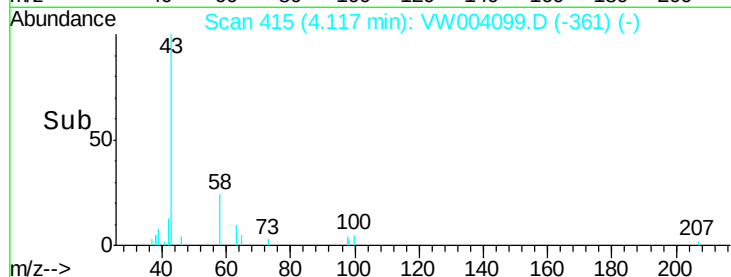
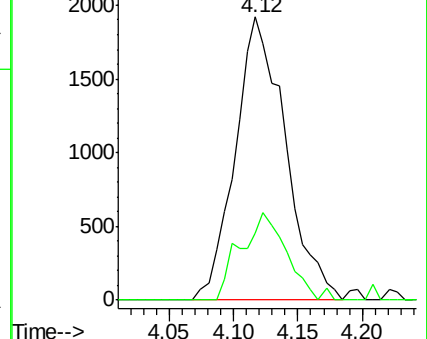
43 100

58 19.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#21

2-Butanone

Concen: 2.311 ug/L

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW004099.D

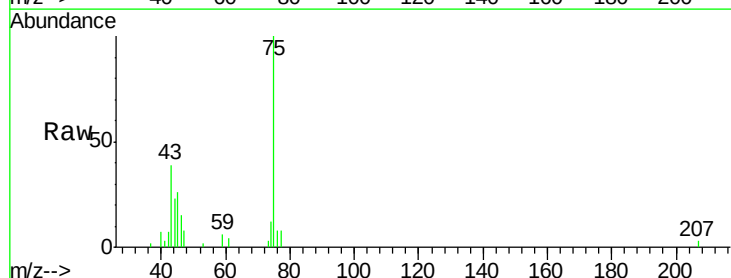
Acq: 21 Jul 2018 03:06

Tgt Ion: 43 Resp: 4460

Ion Ratio Lower Upper

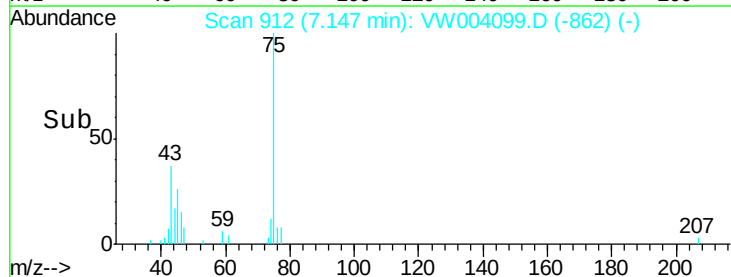
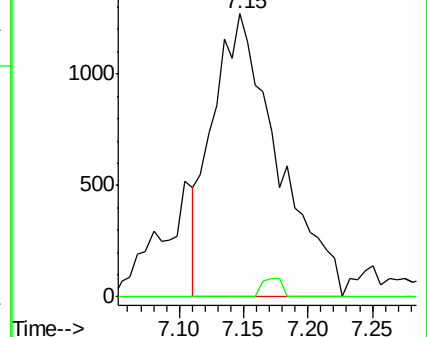
43 100

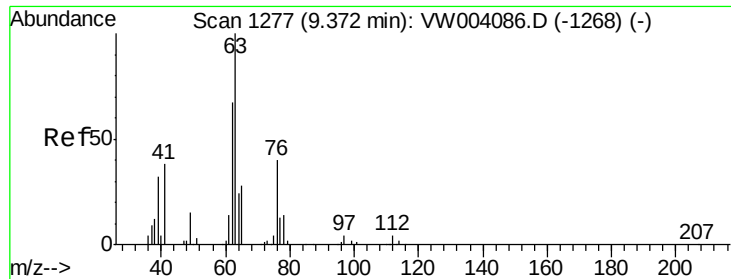
72 2.0 12.1 36.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#40

1,2-Dichloropropane

Concen: 3.176 ug/L

RT: 9.28 min Scan# 1262

Delta R.T. -0.09 min

Lab File: VW004099.D

Acq: 21 Jul 2018 03:06

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 63 Resp: 11332

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#

