

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW072918\  
 Data File : VW004279.D  
 Acq On : 27 Jul 2018 18:23  
 Operator : SY/AP  
 Sample : J4205-04  
 Misc : 5.20G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JJ1L1

Quant Time: Jul 27 23:18:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 27 23:17:19 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 411732   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 392713   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 175577   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 118570   | 28.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 114.40% |
| 7) Chloroethane-d5             | 2.89   | 69    | 78024    | 25.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.52% |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 192378   | 19.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 77.76%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 87314    | 37.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 74.42%  |
| 24) Chloroform-d               | 7.65   | 84    | 261870   | 24.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 157744   | 24.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 99.52%  |
| 29) Benzene-d6                 | 8.28   | 84    | 528690   | 25.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.60% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 173893   | 25.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.48% |
| 37) Toluene-d8                 | 10.33  | 98    | 491842   | 25.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.00% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 72903    | 23.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.80%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 67259    | 36.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.94%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 150006   | 21.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.88%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 175445   | 26.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 106.92% |

## Target Compounds

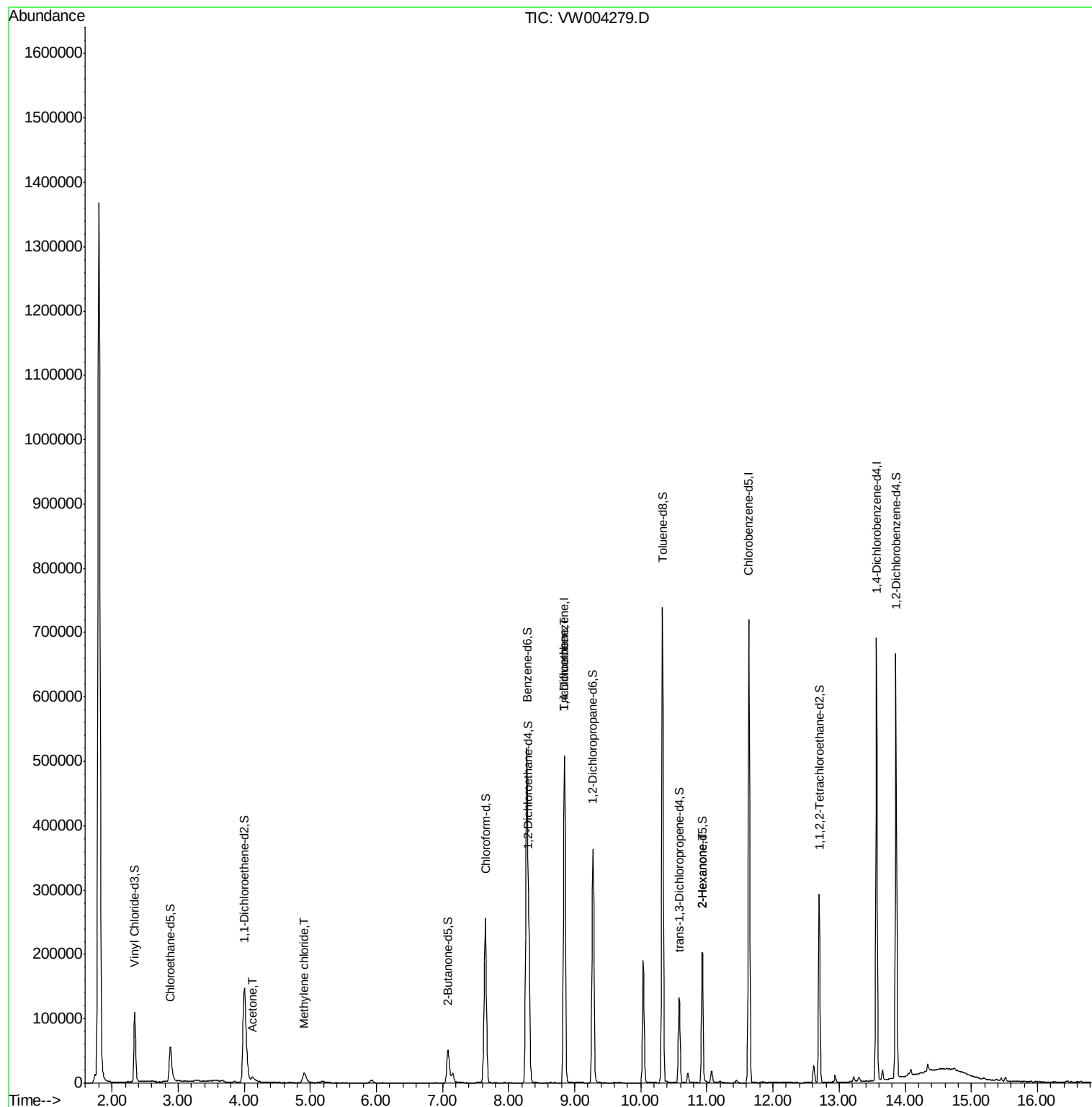
|                        |       |    |       |              | Qvalue |
|------------------------|-------|----|-------|--------------|--------|
| 13) Acetone            | 4.12  | 43 | 12050 | 5.086 ug/L   | 72     |
| 16) Methylene chloride | 4.91  | 84 | 14217 | 2.463 ug/L   | 97     |
| 35) Trichloroethene    | 8.84  | 95 | 12165 | 2.048 ug/L # | 5      |
| 49) 2-Hexanone         | 10.93 | 43 | 9021  | 2.108 ug/L # | 69     |

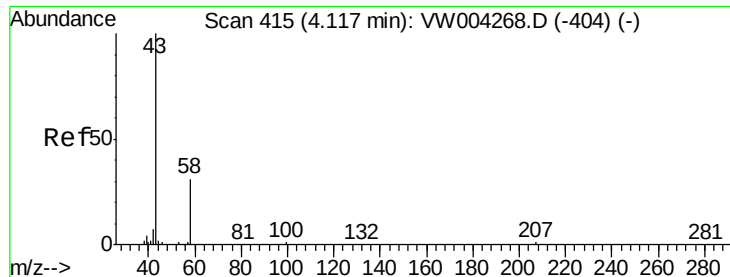
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Jul 27 23:17:19 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 5.086 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW004279.D

Acq: 27 Jul 2018 18:23

Instrument :

MSVOA\_W

ClientSampled :

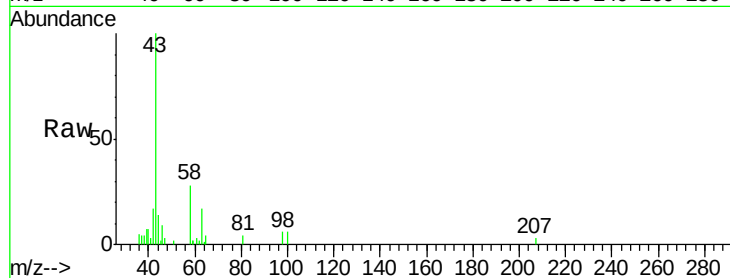
JJ1L1

Tgt Ion: 43 Resp: 12050

Ion Ratio Lower Upper

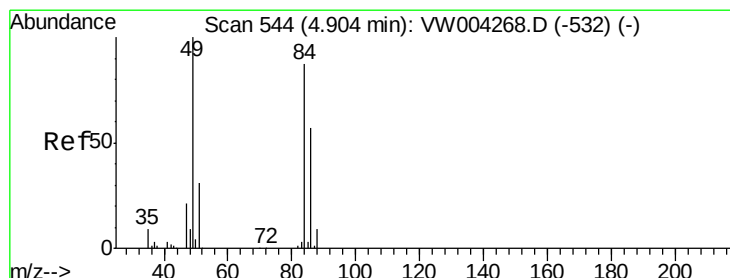
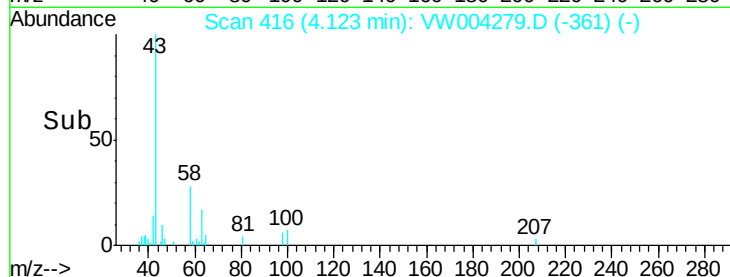
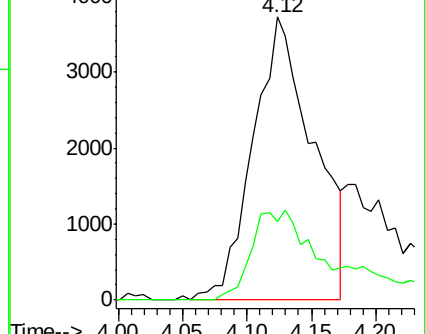
43 100

58 14.7 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.463 ug/L

RT: 4.91 min Scan# 545

Delta R.T. 0.01 min

Lab File: VW004279.D

Acq: 27 Jul 2018 18:23

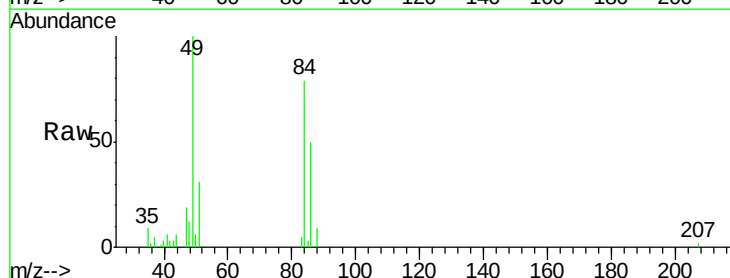
Tgt Ion: 84 Resp: 14217

Ion Ratio Lower Upper

84 100

49 125.9 90.9 168.7

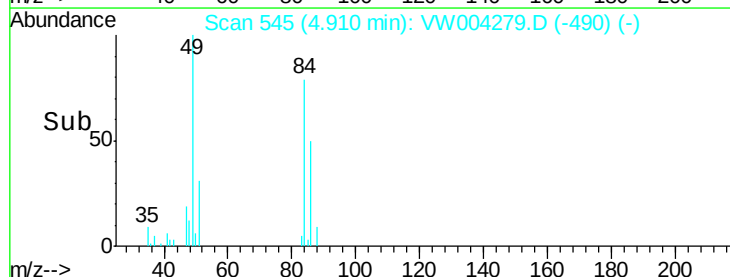
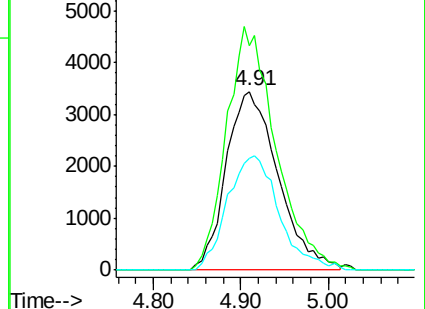
86 62.7 44.4 82.5

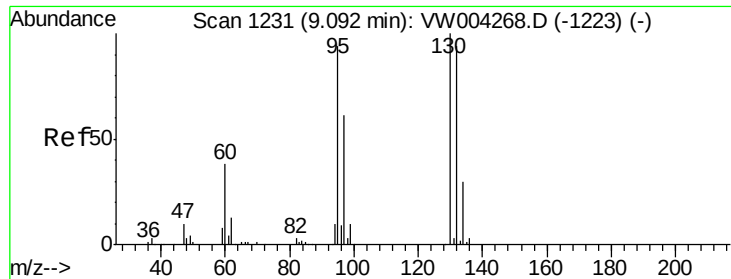


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#35

Trichloroethene

Concen: 2.048 ug/L

RT: 8.84 min Scan# 1190

Delta R.T. -0.25 min

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Acq: 27 Jul 2018 18:23

Instrument :

MSVOA\_W

ClientSampleId :

JJ1L1

Tgt Ion: 95 Resp: 12165

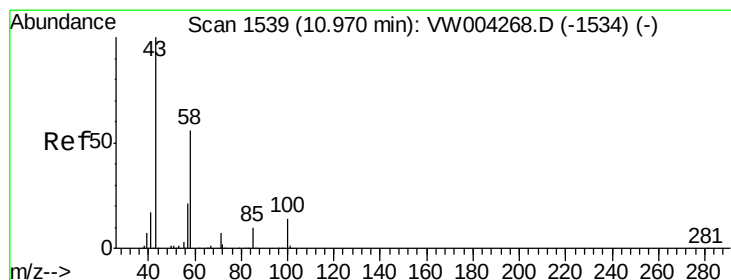
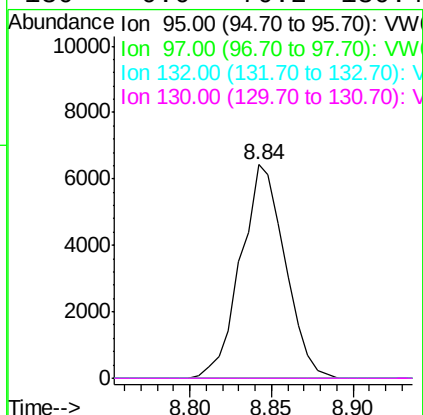
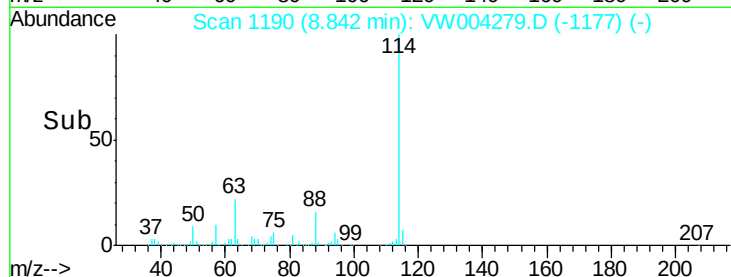
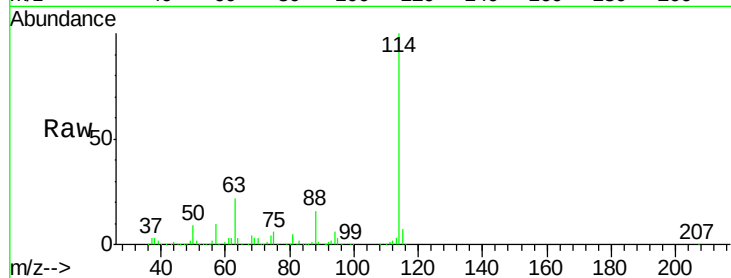
Ion Ratio Lower Upper

95 100

97 0.0 44.9 83.5#

132 0.0 67.4 125.2#

130 0.0 70.2 130.4#



#49

2-Hexanone

Concen: 2.108 ug/L

RT: 10.93 min Scan# 1533

Delta R.T. -0.04 min

Lab File: VW004279.D

Acq: 27 Jul 2018 18:23

Tgt Ion: 43 Resp: 9021

Ion Ratio Lower Upper

43 100

58 28.5 39.8 59.8#

57 33.7 13.9 20.9#

100 3.4 8.0 12.0#

