

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW041619\  
 Data File : VW010001.D  
 Acq On : 16 Apr 2019 17:25  
 Operator : SY/VA  
 Sample : K2277-04  
 Misc : 5.10G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VHBLK02

Quant Time: Apr 17 01:13:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM041519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 17 00:43:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 623989   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 609128   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 267496   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 139853   | 23.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.88% |
| 7) Chloroethane-d5             | 2.89   | 69    | 123807   | 20.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.92% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 274618   | 16.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.16% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 117730   | 36.91    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.82% |
| 24) Chloroform-d               | 7.65   | 84    | 356392   | 19.76    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 79.04% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 222344   | 19.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 79.44% |
| 29) Benzene-d6                 | 8.27   | 84    | 673022   | 20.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 80.44% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 214180   | 20.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 80.36% |
| 37) Toluene-d8                 | 10.32  | 98    | 618622   | 20.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 81.04% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 94185    | 18.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.52% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 87831    | 37.18    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 74.36% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 181005   | 18.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 72.60% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 213386   | 21.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 84.88% |

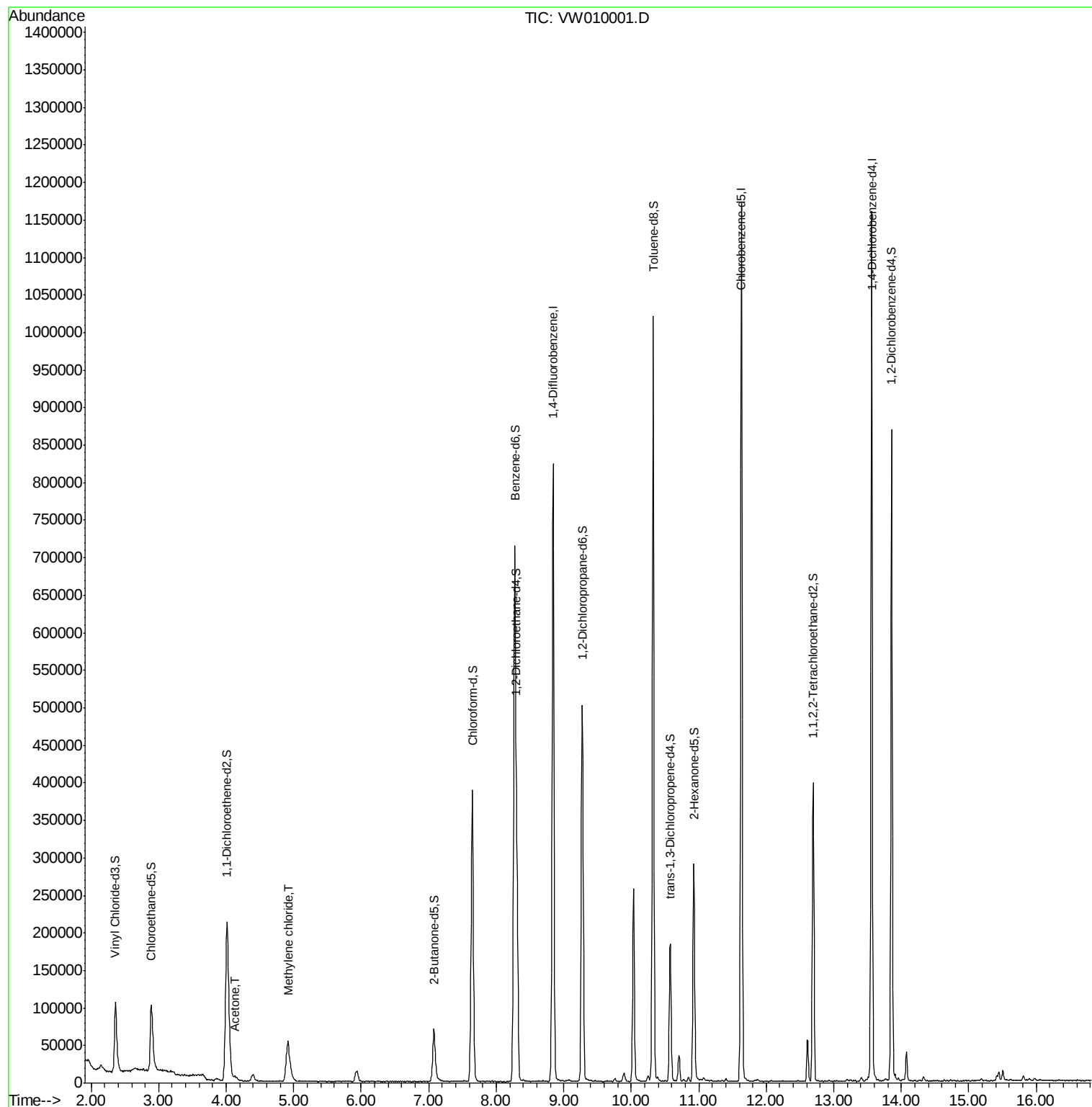
| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 6287  | 2.216 ug/L | 79     |
| 16) Methylene chloride | 4.92 | 84 | 46613 | 4.126 ug/L | 96     |

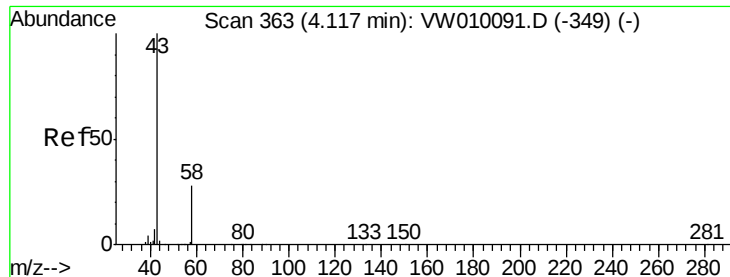
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 17 00:43:03 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 2.216 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010001.D

Acq: 16 Apr 2019 17:25

Instrument :

MSVOA\_W

ClientSampled :

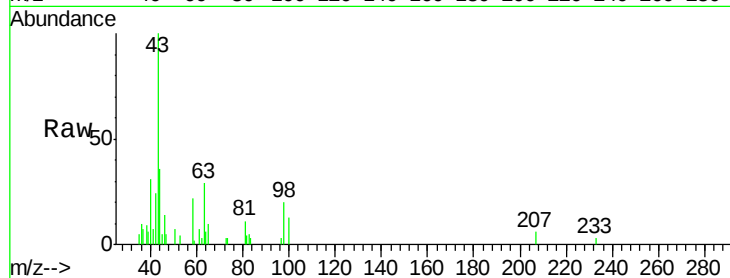
VHBLK02

Tot Ion: 43 Resp: 6287

Ion Ratio Lower Upper

43 100

58 17.1 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

2500

2000

1500

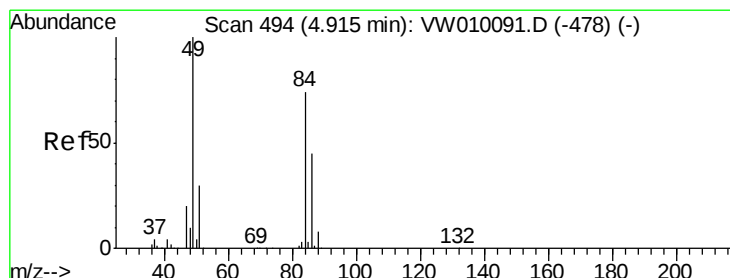
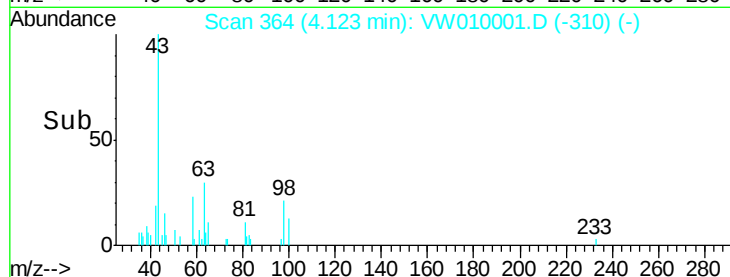
1000

500

0

Time-->

4.00 4.10 4.20



#16

Methylene chloride

Concen: 4.126 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

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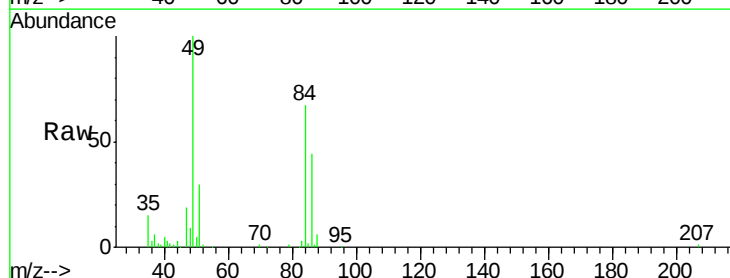
Tgt Ion: 84 Resp: 46613

Ion Ratio Lower Upper

84 100

49 148.3 100.7 187.1

86 65.6 43.8 81.3



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

4.92

20000

15000

10000

5000

0

Time-->

4.80 4.90 5.00 5.10

