

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041919\  
 Data File : VW010063.D  
 Acq On : 19 Apr 2019 13:24  
 Operator : SY/VA  
 Sample : K2455-13  
 Misc : 5.09G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAHR3

Quant Time: Apr 20 04:12:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM041519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 20 03:50:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 477042   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 476554   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 239255   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 127544   | 28.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 113.16% |
| 7) Chloroethane-d5             | 2.89   | 69    | 111193   | 24.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.40%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 270357   | 21.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 86.48%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 120637   | 49.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.94%  |
| 24) Chloroform-d               | 7.65   | 84    | 367684   | 26.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 106.64% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 220628   | 25.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.12% |
| 29) Benzene-d6                 | 8.27   | 84    | 699799   | 26.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 106.88% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 222605   | 26.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.72% |
| 37) Toluene-d8                 | 10.32  | 98    | 625570   | 26.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 104.72% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 93502    | 23.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.56%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 87897    | 47.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 95.10%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 188031   | 24.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.40%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 235226   | 26.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.60% |

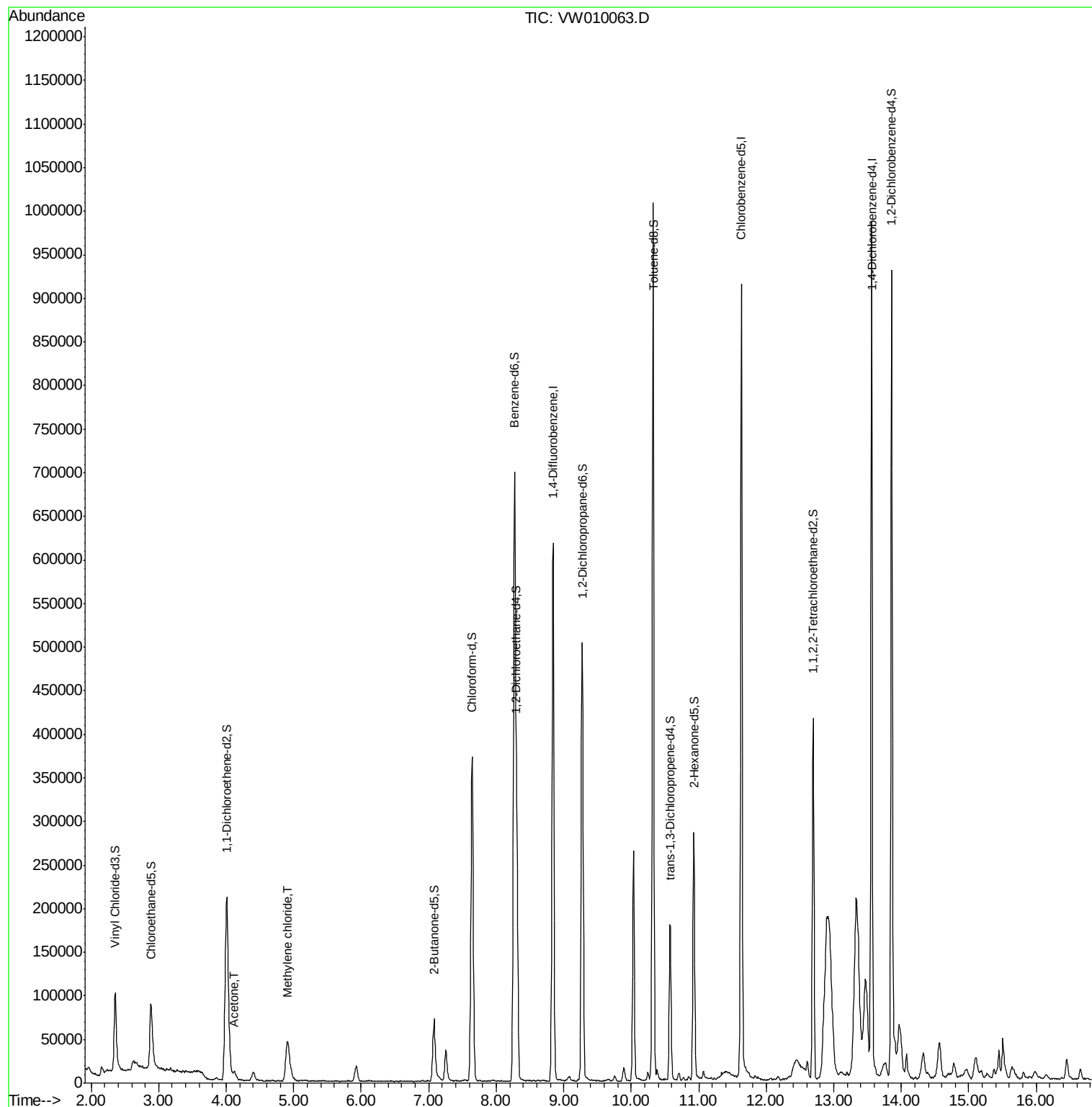
| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 13831 | 6.378 ug/L | 76     |
| 16) Methylene chloride | 4.90 | 84 | 43562 | 5.043 ug/L | 85     |

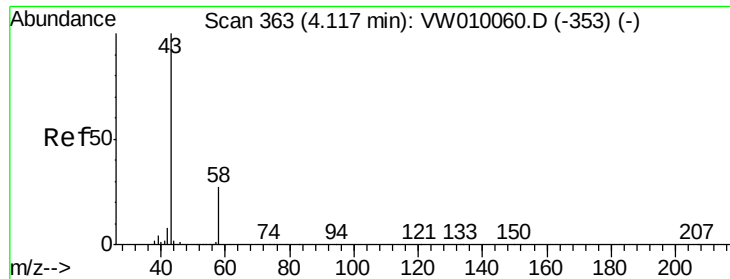
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 20 03:50:46 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 6.378 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010063.D

Acq: 19 Apr 2019 13:24

Instrument :

MSVOA\_W

ClientSampled :

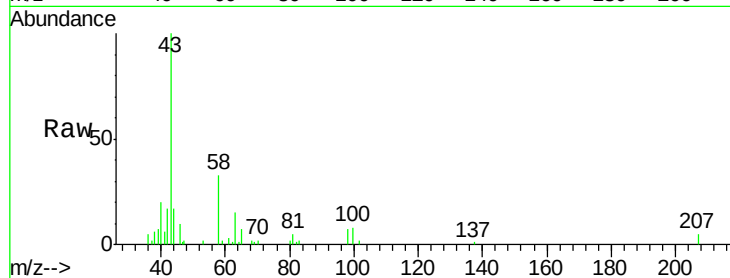
GAHR3

Tot Ion: 43 Resp: 13831

Ion Ratio Lower Upper

43 100

58 15.3 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

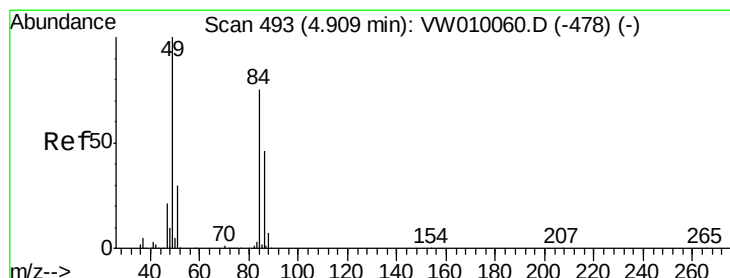
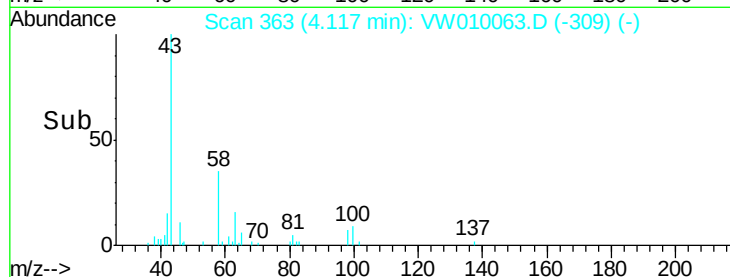
Ion 58.00 (57.70 to 58.70): VW

4.12

4.15

4.20

Time-->



#16

Methylene chloride

Concen: 5.043 ug/L

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW010063.D

Acq: 19 Apr 2019 13:24

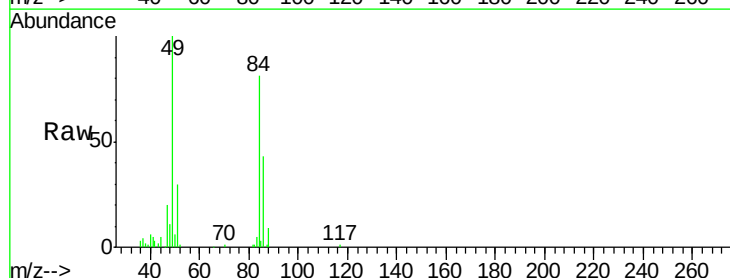
Tgt Ion: 84 Resp: 43562

Ion Ratio Lower Upper

84 100

49 123.7 100.7 187.1

86 53.7 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

4.90

4.95

5.00

Time-->

