

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021120\  
 Data File : VW014959.D  
 Acq On : 11 Feb 2020 12:27  
 Operator : SY/VA  
 Sample : L1416-10  
 Misc : 6.26G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 F3S38

Quant Time: Feb 12 00:37:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Feb 12 00:12:37 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 789993   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 721651   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 255316   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 230972   | 17.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.64%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 237996   | 22.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.92%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 380628   | 15.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.72%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 141070   | 38.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.86%  |
| 24) Chloroform-d               | 7.65   | 84    | 577497   | 25.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.00% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 313193   | 25.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 100.92% |
| 29) Benzene-d6                 | 8.27   | 84    | 1097103  | 23.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.56%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 388647   | 25.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 102.80% |
| 37) Toluene-d8                 | 10.32  | 98    | 911573   | 22.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.28%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 116581   | 19.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.08%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 92788    | 33.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 67.32%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 230182   | 20.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 80.84%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 240287   | 24.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.08%  |

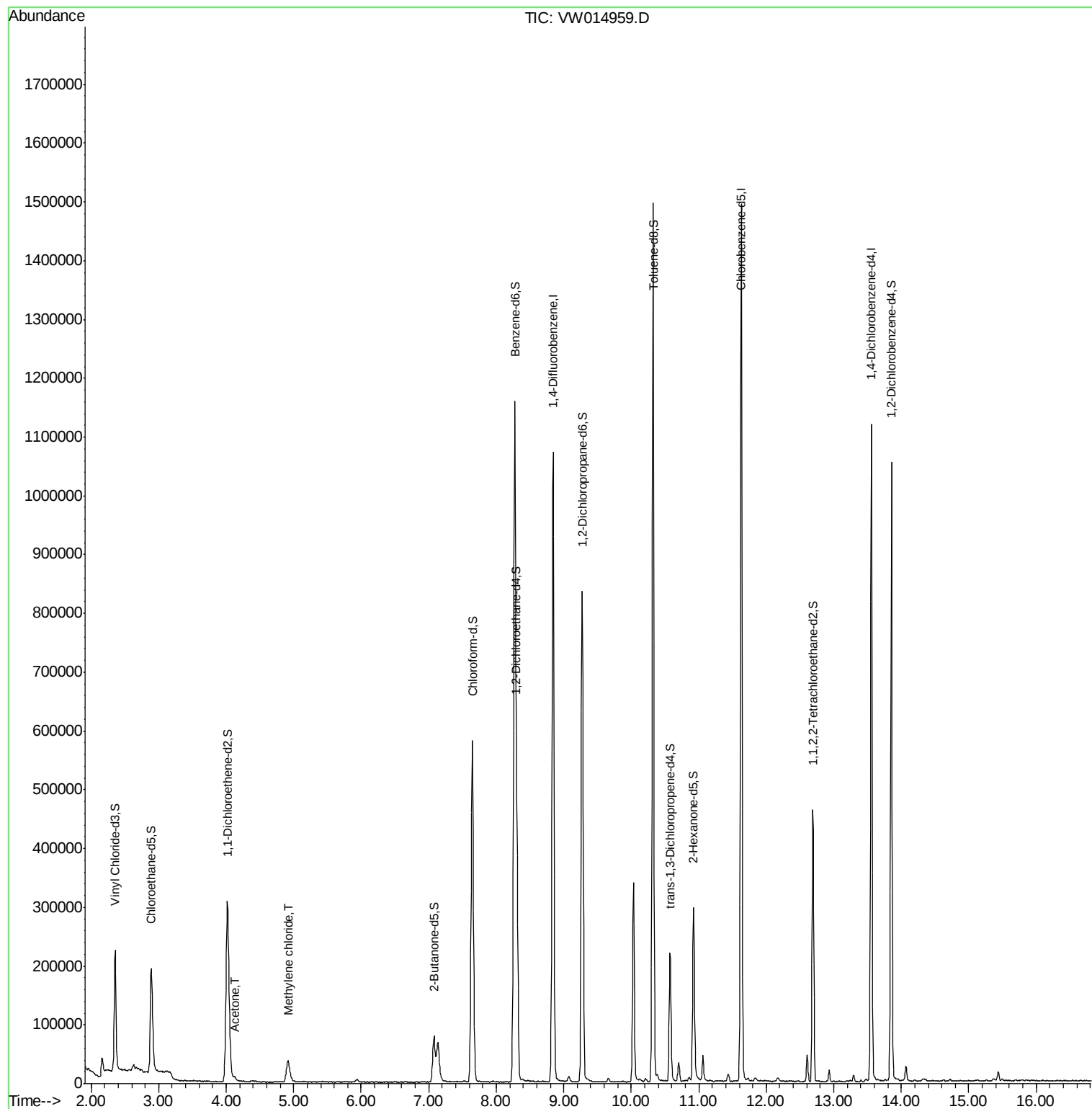
| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 10383 | 2.741 ug/L | 95     |
| 16) Methylene chloride | 4.92 | 84 | 28181 | 1.958 ug/L | 88     |

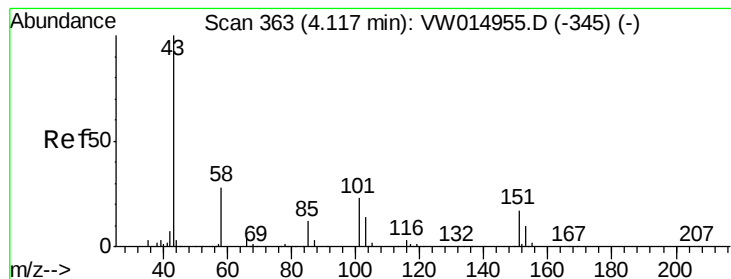
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Feb 12 00:12:37 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 2.741 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014959.D

Acq: 11 Feb 2020 12:27

Instrument :

MSVOA\_W

ClientSampled :

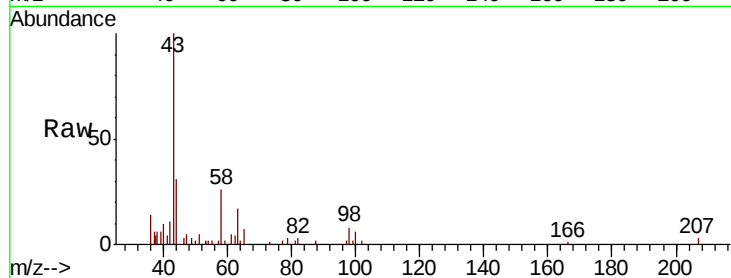
F3S38

Tot Ion: 43 Resp: 10383

Ion Ratio Lower Upper

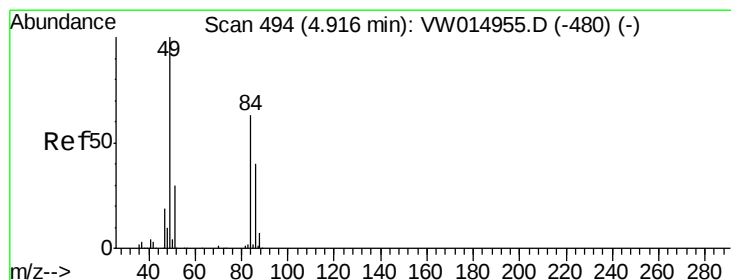
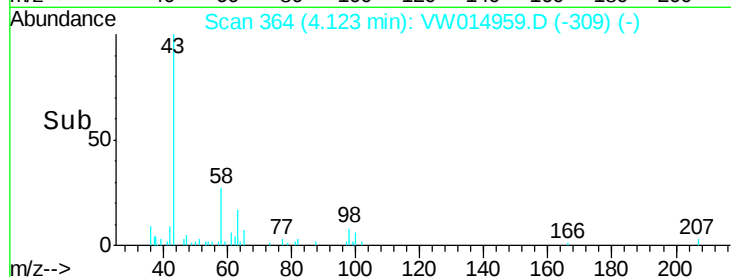
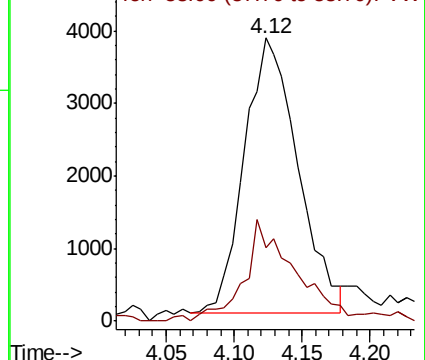
43 100

58 32.8 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.958 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

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Acq: 11 Feb 2020 12:27

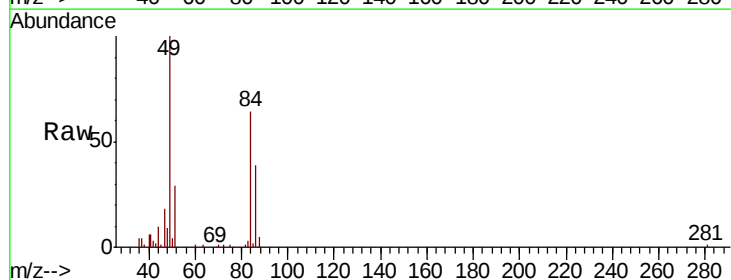
Tgt Ion: 84 Resp: 28181

Ion Ratio Lower Upper

84 100

49 156.5 95.8 177.8

86 60.9 44.2 82.2



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

