

Data File : VV010304.D  
Acq On : 12 Apr 2019 23:45  
Operator : SY/MD  
Sample : K2278-12  
Misc : 5.86G/10mL/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB6Y3

Quant Time: Apr 13 06:24:45 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041019S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 13 05:50:22 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 204691   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 222031   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 101967   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 31669    | 13.44    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 53.76%   |
| 7) Chloroethane-d5             | 1.56   | 69    | 40184    | 19.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.36%   |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 74297    | 12.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 49.56%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 43150    | 72.37    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 144.74%# |
| 24) Chloroform-d               | 4.40   | 84    | 118750   | 25.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 78962    | 29.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 118.64%  |
| 29) Benzene-d6                 | 5.10   | 84    | 217454   | 20.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 81.24%   |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 74482    | 23.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 93.56%   |
| 37) Toluene-d8                 | 7.36   | 98    | 200779   | 19.23    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 76.92%   |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 27763    | 20.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 83.64%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 30068    | 54.67    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 109.34%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 80034    | 28.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 112.00%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 96188    | 25.54    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.16%  |

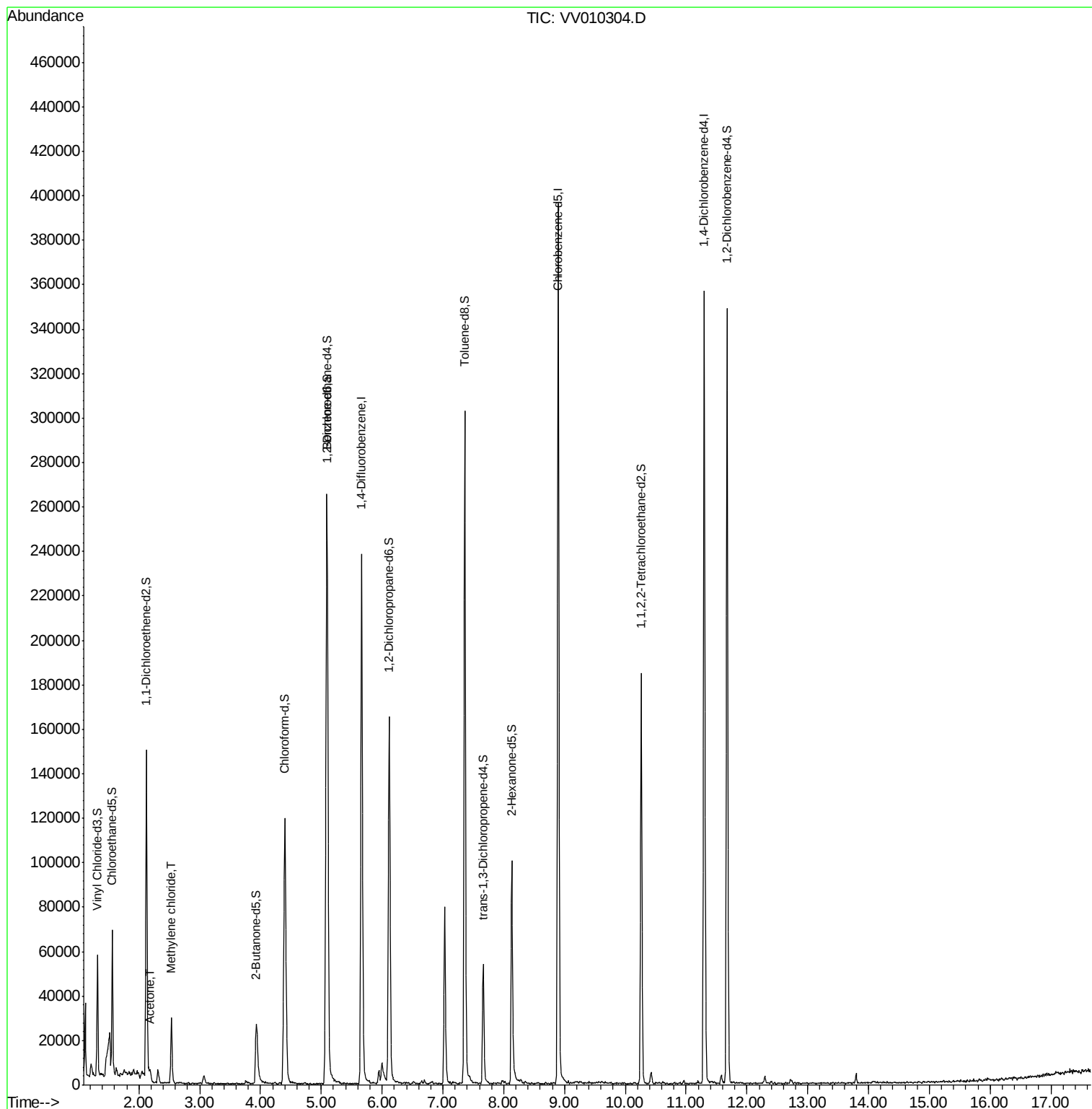
| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.19 | 43 | 2445  | 3.838 ug/L | 80     |
| 16) Methylene chloride | 2.53 | 84 | 11783 | 2.939 ug/L | 92     |

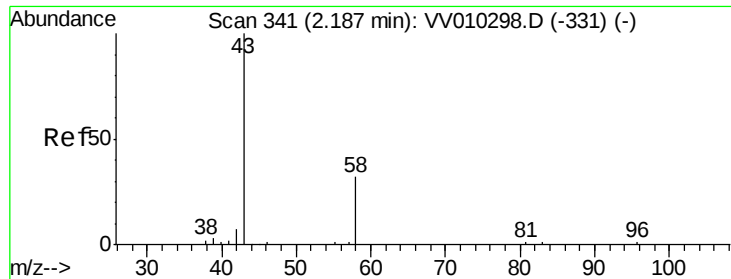
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.838 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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Instrument :

MSVOA\_V

ClientSampleId :

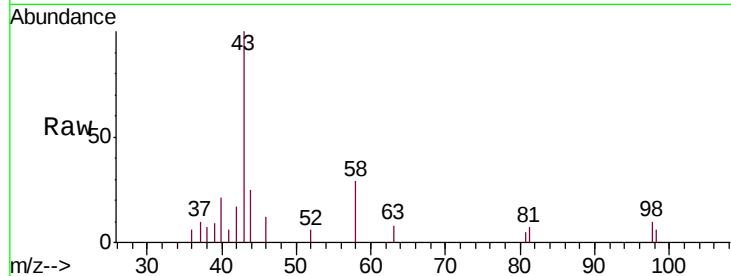
DB6Y3

Tgt Ion: 43 Resp: 2445

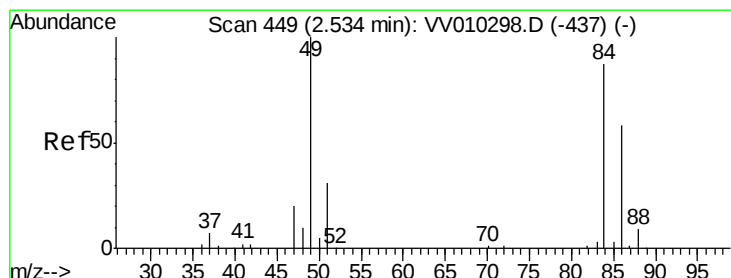
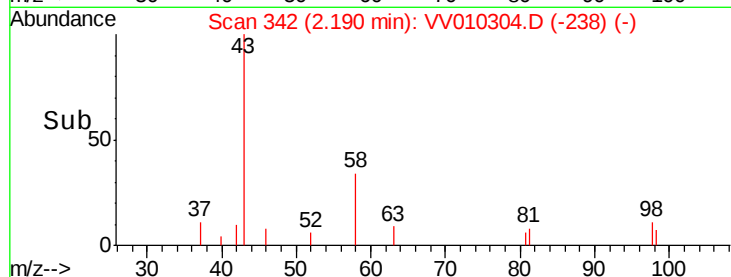
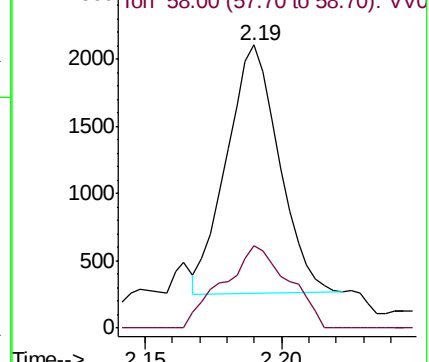
Ion Ratio Lower Upper

43 100

58 41.7 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV010298.D (-331) (-)



#16

Methylene chloride

Concen: 2.939 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

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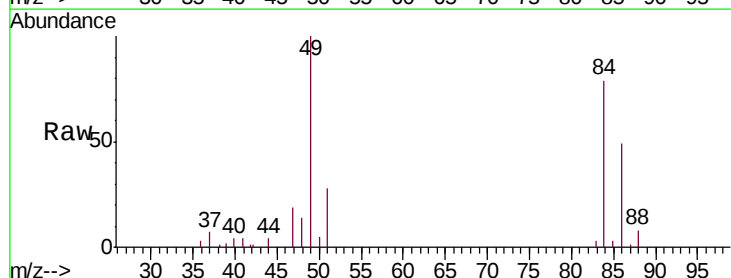
Tgt Ion: 84 Resp: 11783

Ion Ratio Lower Upper

84 100

49 126.5 79.9 148.5

86 61.9 44.5 82.7



Abundance Ion 84.00 (83.70 to 84.70): VV010298.D (-437) (-)

