

Data File : VV010312.D

Acq On : 13 Apr 2019 03:14

Operator : SY/MD

Sample : K2327-07

Misc : 5.00G/10mL/MSVOA\_V/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

Quant Time: Apr 13 06:49:25 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  | 307202   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 290164   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 122055   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 70435    | 19.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.68%  |
| 7) Chloroethane-d5             | 1.55   | 69    | 73410    | 24.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.60%  |
| 10) 1,1-Dichloroethene-d2      | 2.11   | 63    | 98655    | 10.96    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 43.84%# |
| 20) 2-Butanone-d5              | 3.92   | 46    | 42159    | 47.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 94.22%  |
| 24) Chloroform-d               | 4.39   | 84    | 144924   | 20.66    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.64%  |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 97040    | 24.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 97.16%  |
| 29) Benzene-d6                 | 5.09   | 84    | 326281   | 23.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 93.28%  |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 97538    | 23.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 93.76%  |
| 37) Toluene-d8                 | 7.36   | 98    | 310686   | 22.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.08%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 38954    | 22.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.80%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 30644    | 42.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.26%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 84539    | 22.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.52%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 108054   | 23.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.88%  |

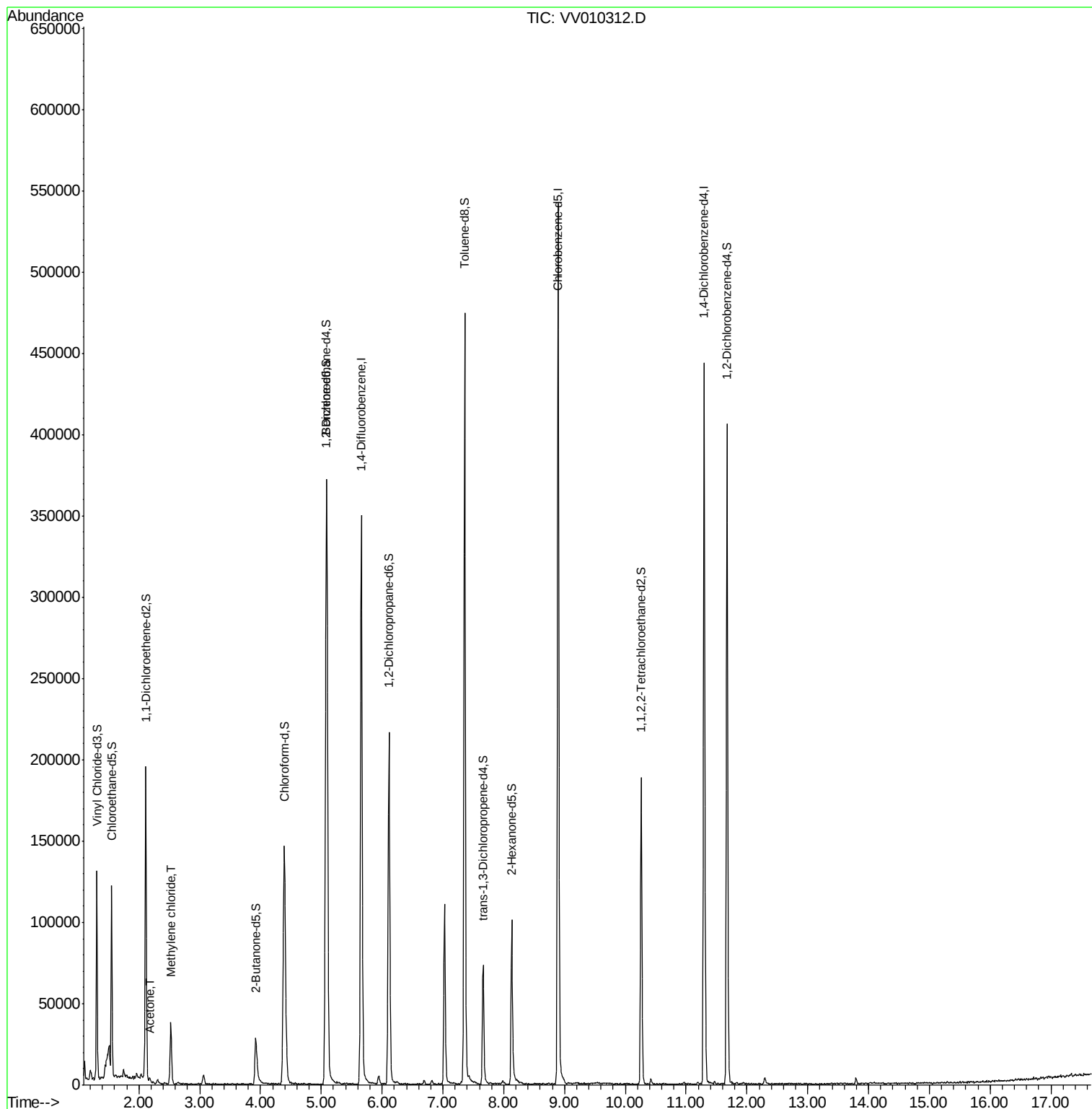
| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.19 | 43 | 1511  | 1.580 ug/L | 96     |
| 16) Methylene chloride | 2.52 | 84 | 16256 | 2.702 ug/L | 95     |

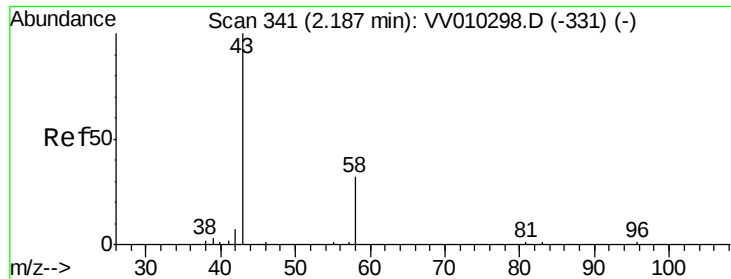
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Apr 13 05:50:22 2019  
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#13

Acetone

Concen: 1.580 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010312.D

Acq: 13 Apr 2019 03:14

Instrument :

MSVOA\_V

ClientSampled :

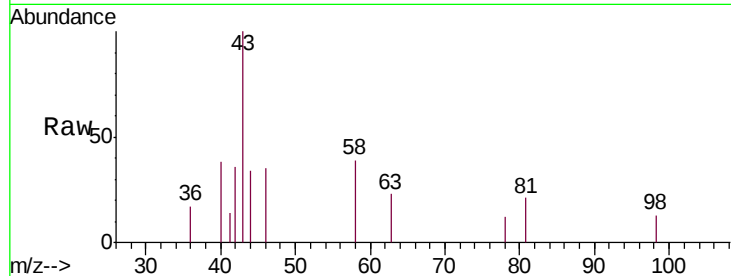
VHBLK01

Tgt Ion: 43 Resp: 1511

Ion Ratio Lower Upper

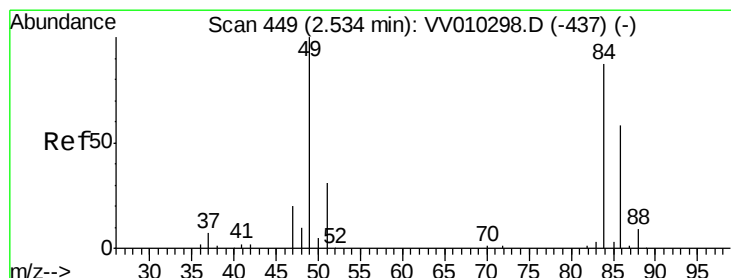
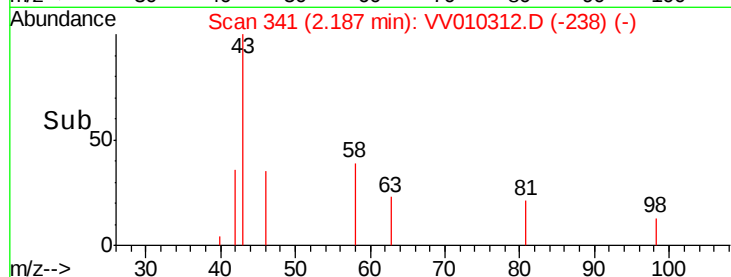
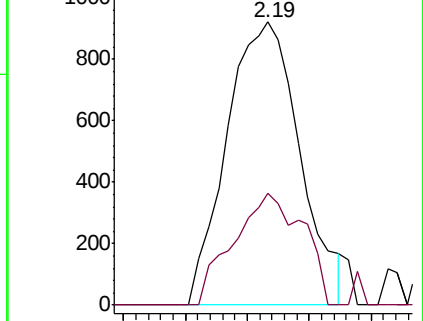
43 100

58 28.7 0.0 61.6



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

Ion 58.00 (57.70 to 58.70): VV010298.D (-331) (-)



#16

Methylene chloride

Concen: 2.702 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.01 min

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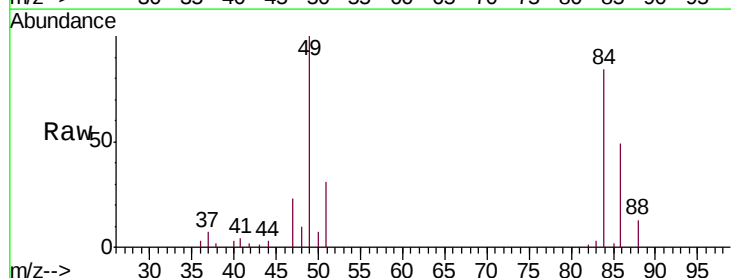
Tgt Ion: 84 Resp: 16256

Ion Ratio Lower Upper

84 100

49 119.5 79.9 148.5

86 58.7 44.5 82.7



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

Ion 49.00 (48.70 to 49.70): VV010298.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010298.D (-437) (-)

