

Data File : VV010446.D  
Acq On : 23 Apr 2019 10:00  
Operator : SY/MD  
Sample : VIBLK  
Misc : 5.00G/10mL/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK

Quant Time: Apr 24 02:13:22 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM042219S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 24 02:09:39 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 453261   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 452316   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 193464   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 107552   | 17.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 68.88%  |
| 7) Chloroethane-d5             | 1.55   | 69    | 92525    | 19.05    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.20%  |
| 10) 1,1-Dichloroethene-d2      | 2.11   | 63    | 179102   | 15.36    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.44%  |
| 20) 2-Butanone-d5              | 3.92   | 46    | 96619    | 66.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 132.34% |
| 24) Chloroform-d               | 4.39   | 84    | 253738   | 22.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.64%  |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 185811   | 27.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 109.36% |
| 29) Benzene-d6                 | 5.09   | 84    | 517323   | 24.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.08%  |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 163207   | 26.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.00% |
| 37) Toluene-d8                 | 7.36   | 98    | 490588   | 22.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.24%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 66291    | 21.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.40%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 68833    | 56.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 112.50% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 152552   | 25.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.68% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 190502   | 25.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.64% |

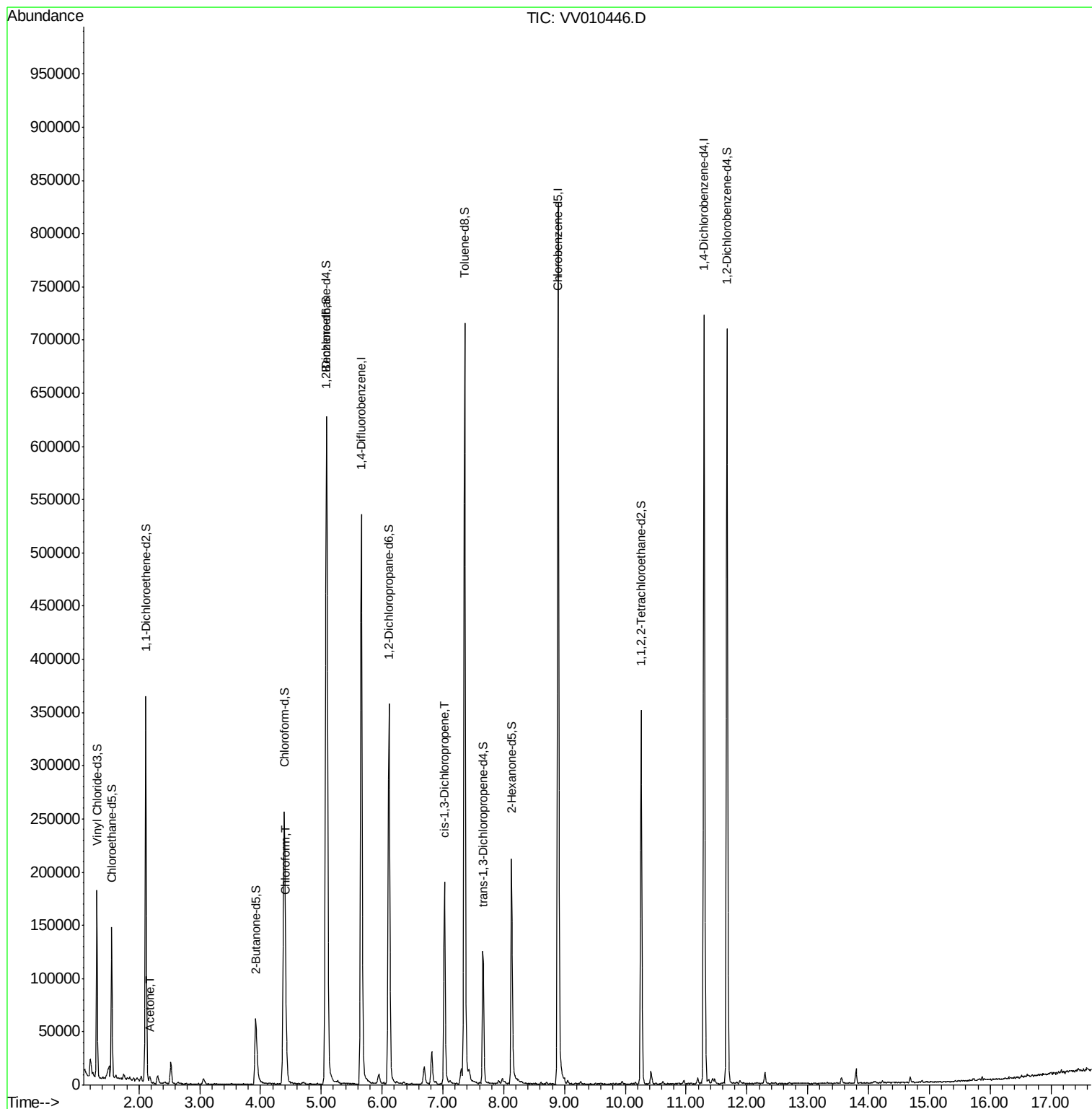
| Target Compounds            |      |    |       |              | Qvalue |
|-----------------------------|------|----|-------|--------------|--------|
| 13) Acetone                 | 2.18 | 43 | 3271  | 2.090 ug/L   | 99     |
| 25) Chloroform              | 4.42 | 83 | 29002 | 2.676 ug/L   | 90     |
| 42) cis-1,3-Dichloropropene | 7.03 | 75 | 5443  | 0.670 ug/L # | 82     |

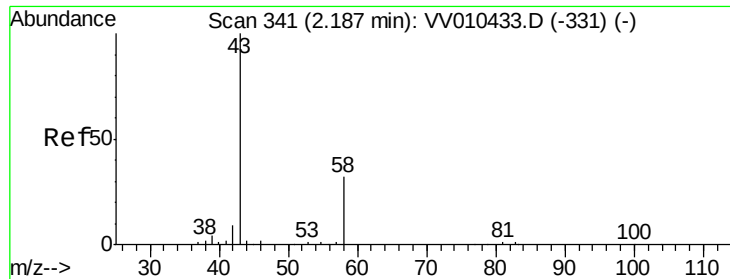
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.090 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV010446.D

Acq: 23 Apr 2019 10:00

Instrument :

MSVOA\_V

ClientSampled :

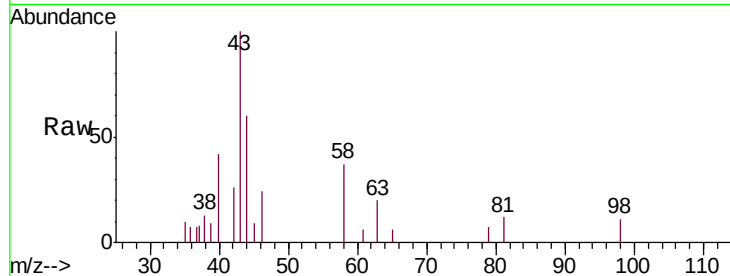
VIBLK

Tgt Ion: 43 Resp: 3271

Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV010433.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010433.D (-331) (-)

2000

1500

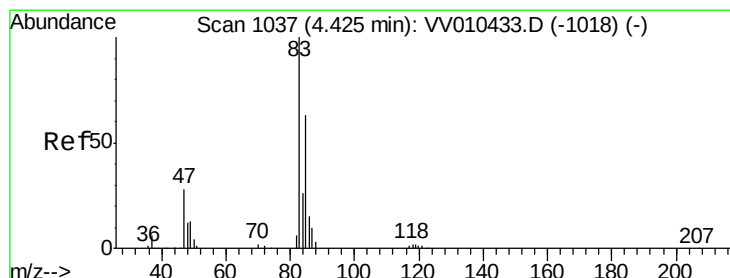
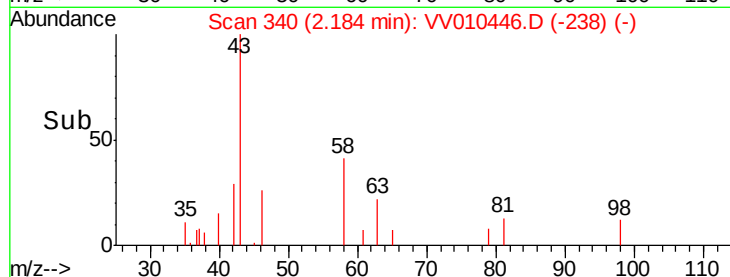
1000

500

0

2.15 2.20

Time-->



#25

Chloroform

Concen: 2.676 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV010446.D

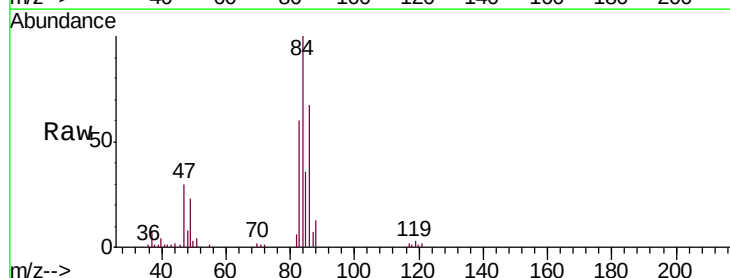
Acq: 23 Apr 2019 10:00

Tgt Ion: 83 Resp: 29002

Ion Ratio Lower Upper

83 100

85 73.7 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VV010433.D (-1018) (-)

Ion 85.00 (84.70 to 85.70): VV010433.D (-1018) (-)

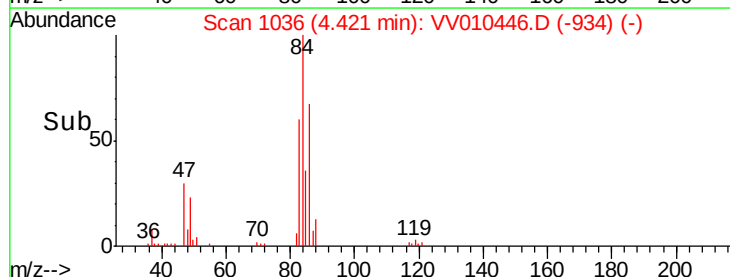
10000

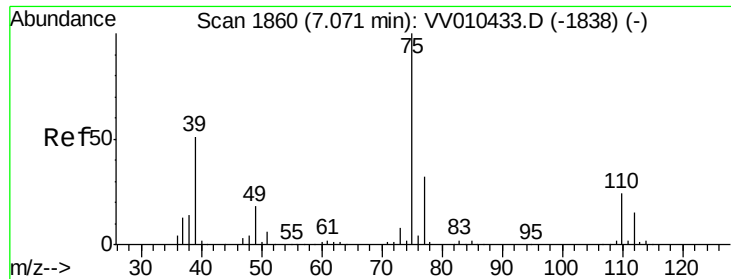
5000

0

4.30 4.35 4.40 4.45 4.50

Time-->





#42

cis-1,3-Dichloropropene  
 Concen: 0.670 ug/L  
 RT: 7.03 min Scan# 1847  
 Delta R.T. -0.04 min  
 Lab File: VV010446.D  
 Acq: 23 Apr 2019 10:00

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK

Tgt Ion: 75 Resp: 5443  
 Ion Ratio Lower Upper  
 75 100  
 77 43.0 22.9 42.5#

