

Data File : VV011023.D  
Acq On : 22 May 2019 17:31  
Operator : SY/MD  
Sample : K3006-02RE  
Misc : 5.38G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFH88

Quant Time: May 23 08:05:36 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM052019S.M  
Quant Title : VOC Analysis  
QLast Update : Thu May 23 08:00:26 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 150498   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 143035   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 60362    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 24539    | 14.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 57.20%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 19450    | 16.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 66.96%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 37824    | 11.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 45.88%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 19722    | 33.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.62%  |
| 24) Chloroform-d               | 4.40   | 84    | 57730    | 14.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 59.24%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 38594    | 16.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 67.20%# |
| 29) Benzene-d6                 | 5.10   | 84    | 141728   | 18.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 72.60%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 48179    | 19.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 77.68%  |
| 37) Toluene-d8                 | 7.36   | 98    | 121247   | 16.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 66.80%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 16362    | 16.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 64.24%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 15945    | 34.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.92%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 41545    | 16.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 67.08%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 47188    | 19.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 77.00%  |

#### Target Compounds

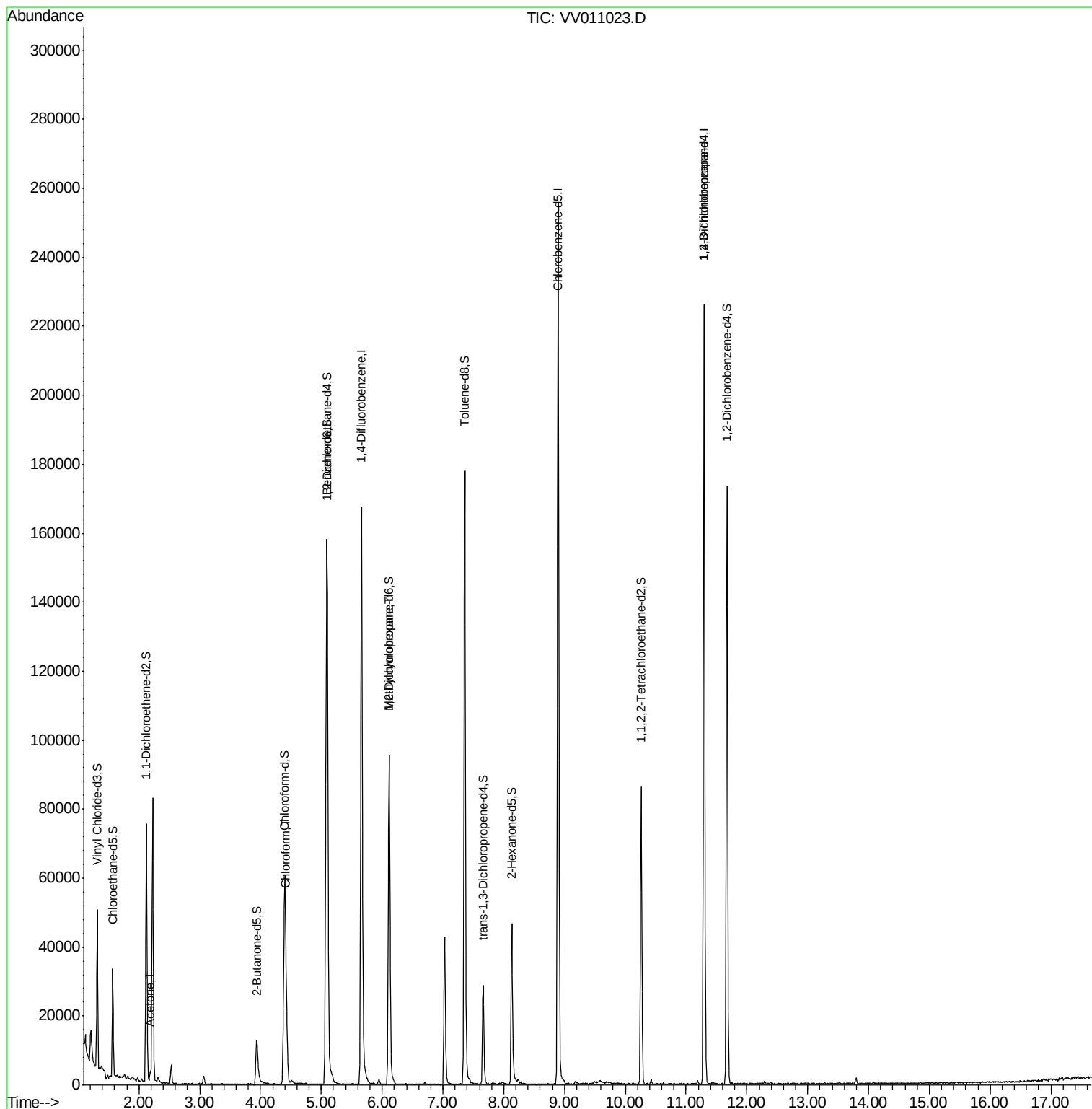
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                | 2.19  | 43 | 2240  | 3.924 ug/L   | 93     |
| 25) Chloroform             | 4.42  | 83 | 16630 | 3.684 ug/L   | 95     |
| 36) Methylcyclohexane      | 6.11  | 83 | 11966 | 3.553 ug/L # | 21     |
| 59) 1,2,3-Trichloropropane | 11.29 | 75 | 7407  | 4.147 ug/L   | 96     |

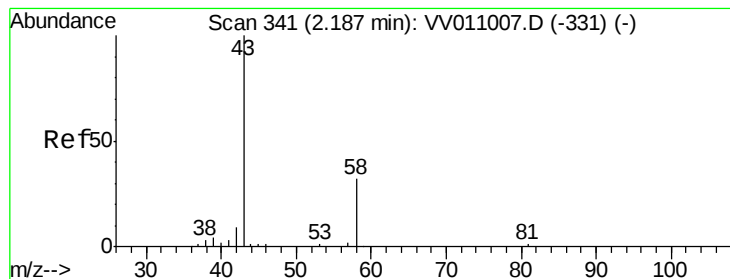
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.924 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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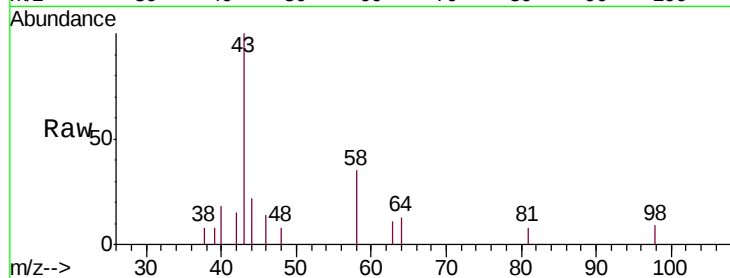
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFH88

Tgt Ion: 43 Resp: 2240

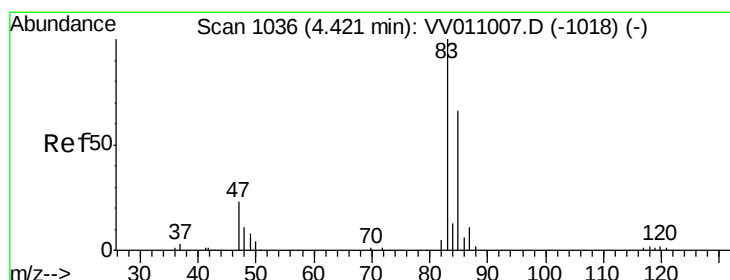
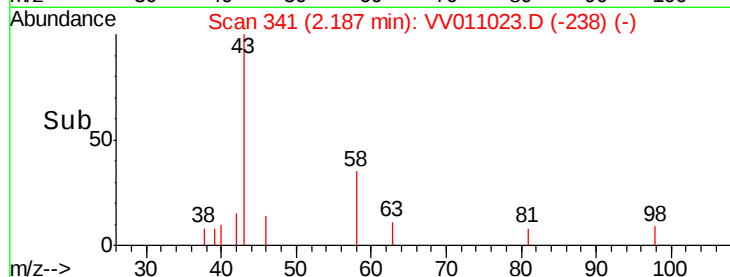
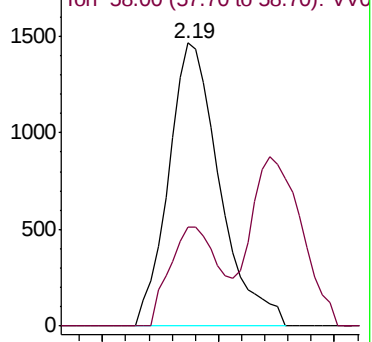
Ion Ratio Lower Upper

43 100

58 34.0 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV011007.D (-331) (-)



#25

Chloroform

Concen: 3.684 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV011023.D

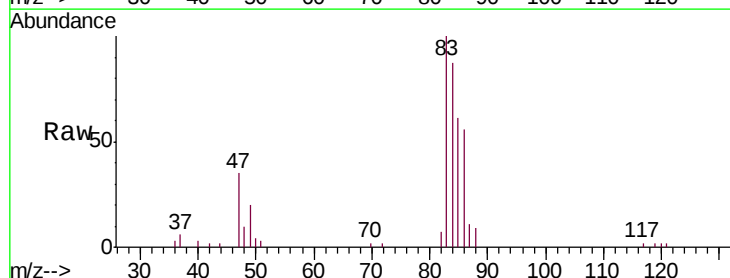
Acq: 22 May 2019 17:31

Tgt Ion: 83 Resp: 16630

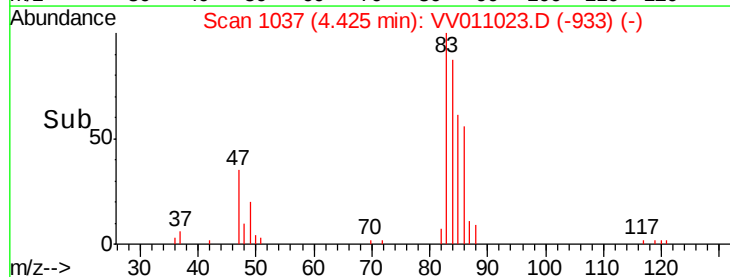
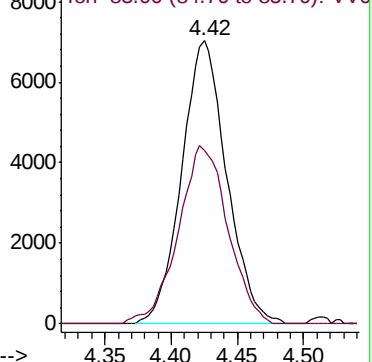
Ion Ratio Lower Upper

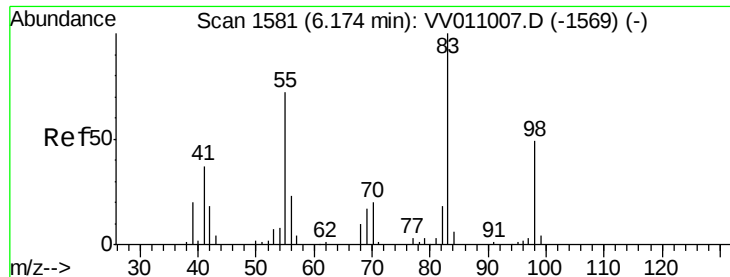
83 100

85 69.2 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VV011007.D (-1018) (-)

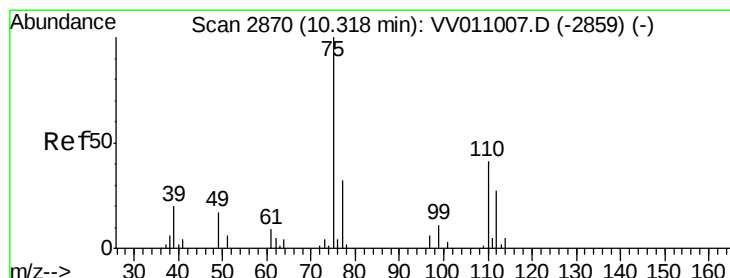
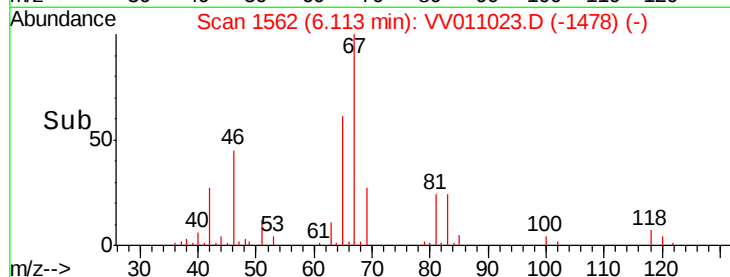
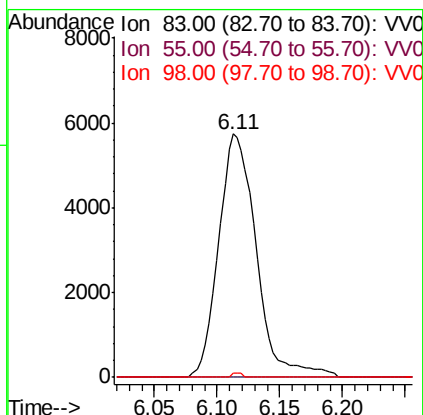
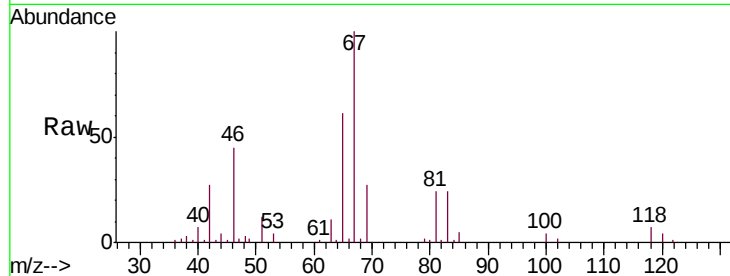




#36  
Methylcyclohexane  
Concen: 3.553 ug/L  
RT: 6.11 min Scan# 1562  
Delta R.T. -0.06 min  
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Tgt Ion: 83 Resp: 11966  
Ion Ratio Lower Upper  
83 100  
55 0.0 57.0 85.4#  
98 0.5 36.2 54.4#



#59  
1,2,3-Trichloropropane  
Concen: 4.147 ug/L  
RT: 11.29 min Scan# 3173  
Delta R.T. 0.97 min  
Lab File: VV011023.D  
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Tgt Ion: 75 Resp: 7407  
Ion Ratio Lower Upper  
75 100  
77 34.1 25.4 38.2

