

Data File : VV011182.D  
Acq On : 31 May 2019 17:11  
Operator : SY/MD  
Sample : K3083-03RE  
Misc : 3.07G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A51F6RE

Quant Time: Jun 01 00:31:12 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM053019S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jun 01 00:27:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 317047   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 234169   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 62775    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 99460    | 23.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.76%   |
| 7) Chloroethane-d5             | 1.57   | 69    | 84260    | 25.55    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 102.20%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 159310   | 18.09    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.36%   |
| 20) 2-Butanone-d5              | 3.94   | 46    | 73712    | 47.01    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 94.02%   |
| 24) Chloroform-d               | 4.40   | 84    | 196600   | 25.37    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.48%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 118426   | 23.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.80%   |
| 29) Benzene-d6                 | 5.09   | 84    | 390259   | 30.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 122.76%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 122823   | 30.14    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 120.56%# |
| 37) Toluene-d8                 | 7.36   | 98    | 328551   | 27.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 109.52%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 45824    | 24.85    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 99.40%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 56700    | 61.23    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 122.46%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 80736    | 21.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.96%   |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 52553    | 22.37    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.48%   |

#### Target Compounds

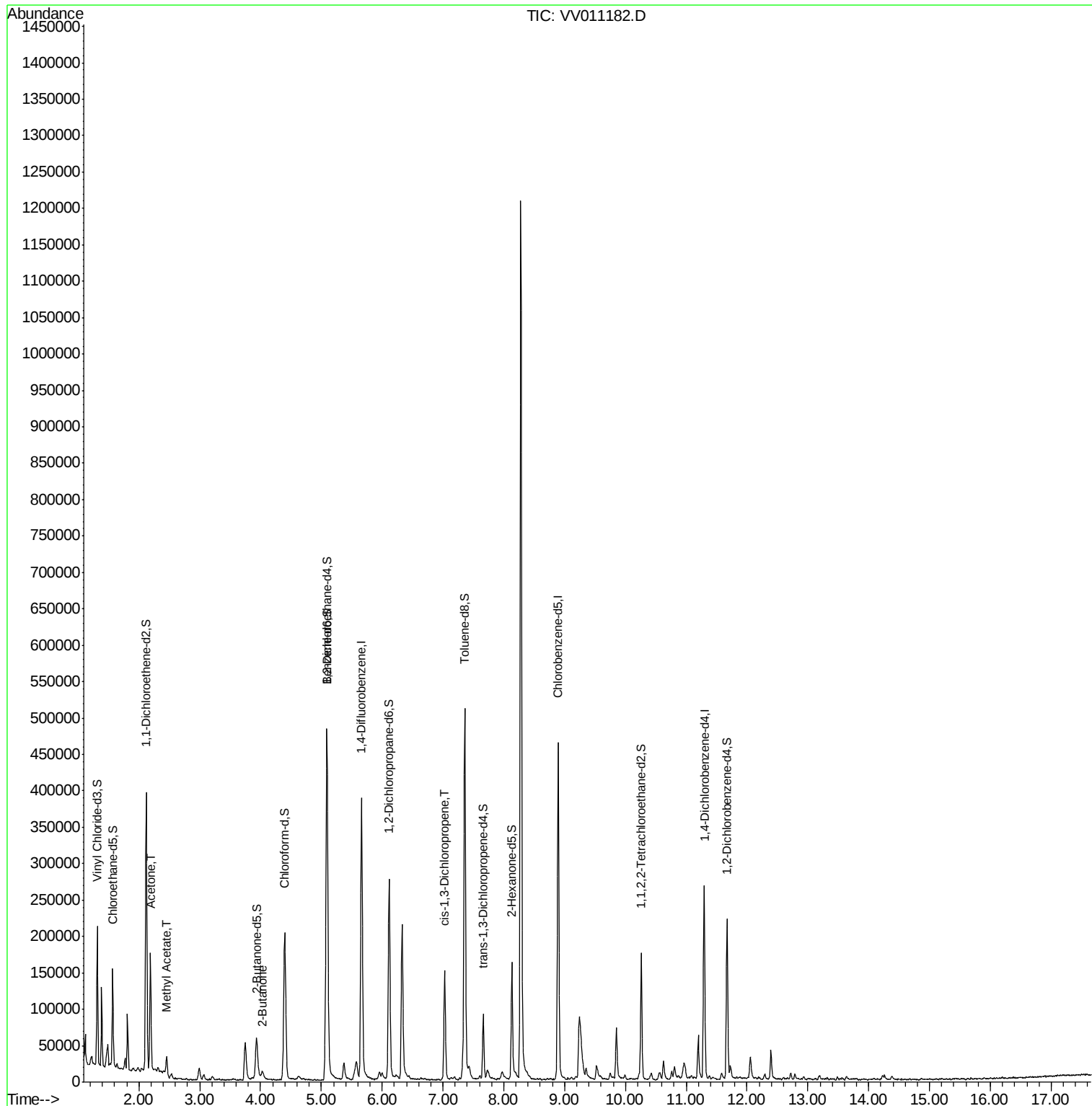
|                             |      |    |        |              | Qvalue |
|-----------------------------|------|----|--------|--------------|--------|
| 13) Acetone                 | 2.19 | 43 | 151611 | 83.123 ug/L  | 100    |
| 15) Methyl Acetate          | 2.46 | 43 | 25476  | 9.282 ug/L   | 98     |
| 21) 2-Butanone              | 4.03 | 43 | 16368  | 7.649 ug/L   | 79     |
| 42) cis-1,3-Dichloropropene | 7.03 | 75 | 4195   | 0.723 ug/L # | 53     |

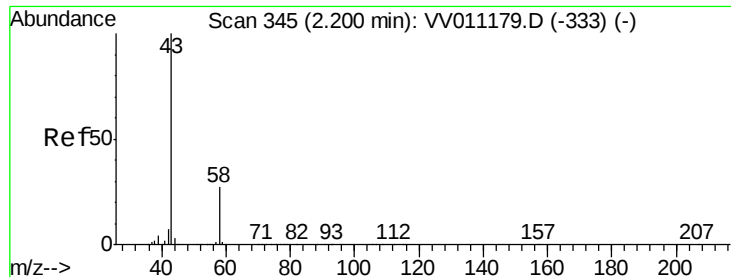
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 83.123 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

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Instrument :

MSVOA\_V

ClientSampleId :

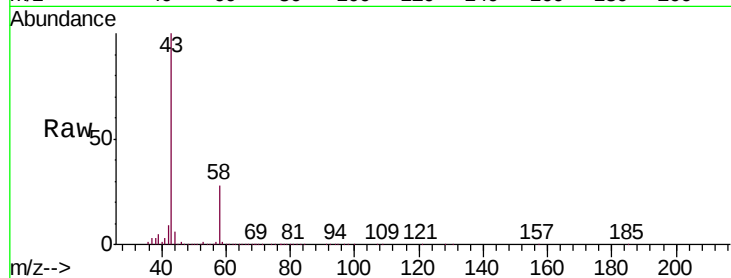
A51F6RE

Tgt Ion: 43 Resp: 151611

Ion Ratio Lower Upper

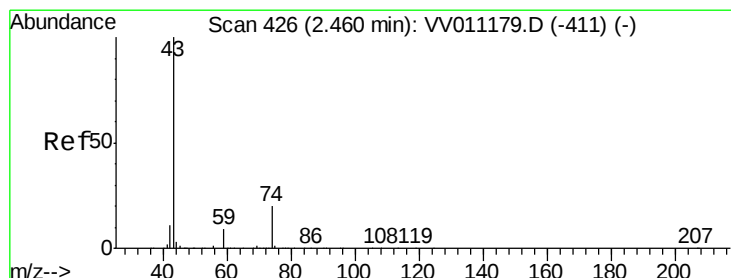
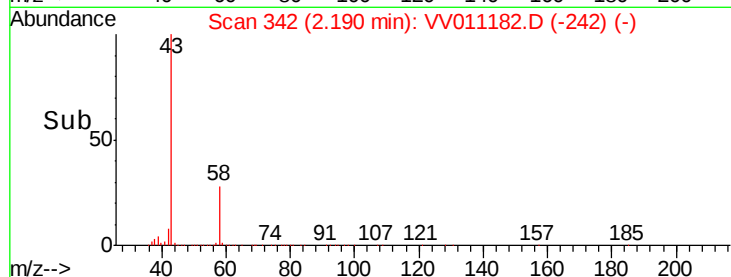
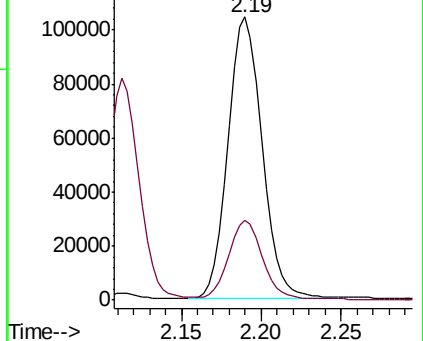
43 100

58 27.0 0.0 53.8



Abundance Ion 43.00 (42.70 to 43.70): VV011179.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV011179.D (-333) (-)



#15

Methyl Acetate

Concen: 9.282 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV011182.D

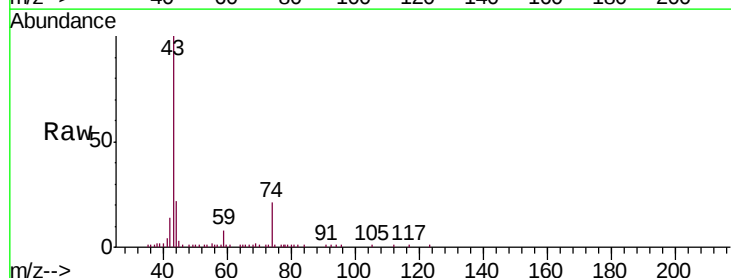
Acq: 31 May 2019 17:11

Tgt Ion: 43 Resp: 25476

Ion Ratio Lower Upper

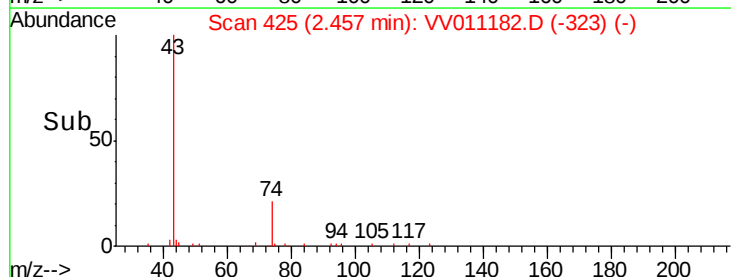
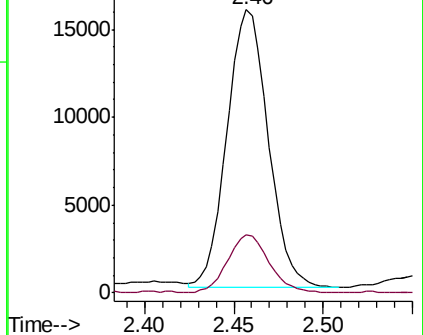
43 100

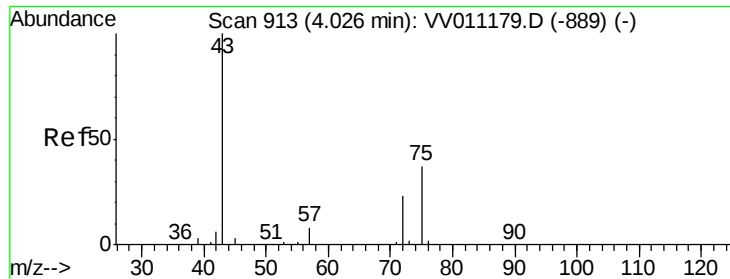
74 21.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VV011179.D (-411) (-)

Ion 74.00 (73.70 to 74.70): VV011179.D (-411) (-)

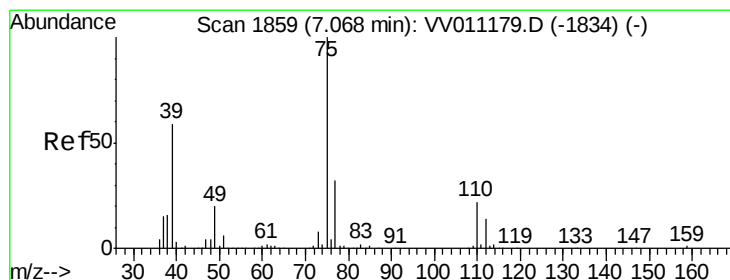
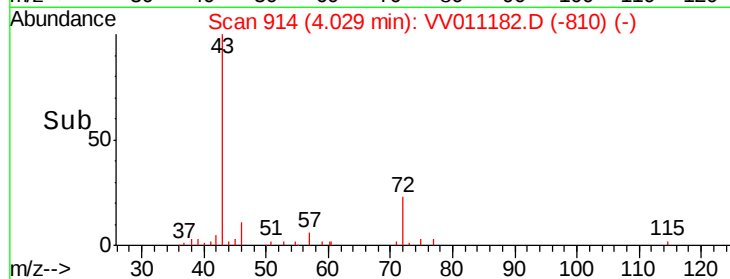
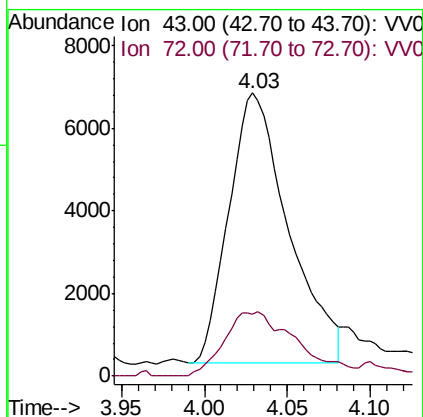
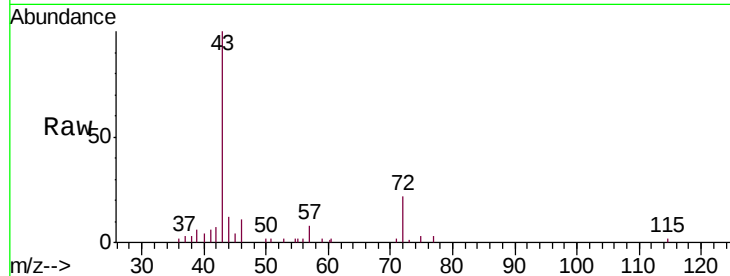




#21  
2-Butanone  
Concen: 7.649 ug/L  
RT: 4.03 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: VV011182.D  
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Tgt Ion: 43 Resp: 16368  
Ion Ratio Lower Upper  
43 100  
72 12.1 11.1 33.3



#42  
cis-1,3-Dichloropropene  
Concen: 0.723 ug/L  
RT: 7.03 min Scan# 1847  
Delta R.T. -0.04 min  
Lab File: VV011182.D  
Acq: 31 May 2019 17:11

Tgt Ion: 75 Resp: 4195  
Ion Ratio Lower Upper  
75 100  
77 56.1 21.3 39.6#

