

Data File : VV011154.D  
Acq On : 30 May 2019 23:49  
Operator : SY/MD  
Sample : K3083-06  
Misc : 6.33G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A51F9

Quant Time: May 31 01:49:30 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM053019S.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 31 01:43:46 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 299325   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 268731   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 106644   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 82413    | 20.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.40%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 70466    | 22.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.52%  |
| 10) 1,1-Dichloroethene-d2      | 2.26   | 63    | 215      | 0.03     | ug/L | 0.14    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 0.12%#  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 85574    | 57.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 115.62% |
| 24) Chloroform-d               | 4.40   | 84    | 179181   | 24.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.96%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 120567   | 25.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.16% |
| 29) Benzene-d6                 | 5.10   | 84    | 362502   | 24.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.36%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 122415   | 26.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 104.72% |
| 37) Toluene-d8                 | 7.36   | 98    | 319280   | 23.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 92.76%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 52389    | 24.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 99.04%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 68315    | 64.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 128.56% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 119492   | 28.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 113.40% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 95773    | 24.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.00%  |

#### Target Compounds

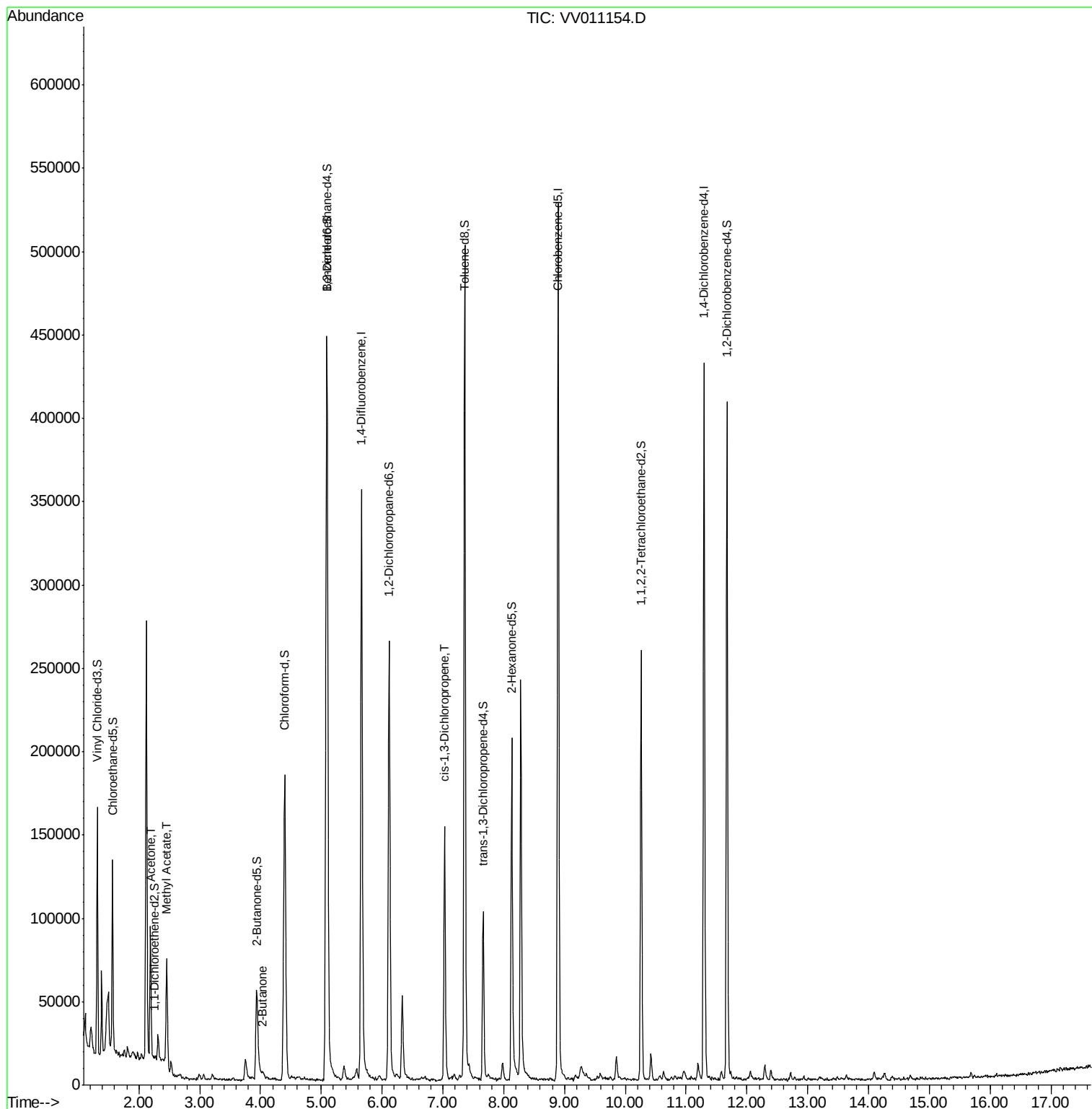
|                             |      |    |       |        |        | Qvalue |
|-----------------------------|------|----|-------|--------|--------|--------|
| 13) Acetone                 | 2.19 | 43 | 73414 | 42.633 | ug/L   | 100    |
| 15) Methyl Acetate          | 2.46 | 43 | 65120 | 25.132 | ug/L   | 96     |
| 21) 2-Butanone              | 4.04 | 43 | 4914  | 2.432  | ug/L   | 98     |
| 42) cis-1,3-Dichloropropene | 7.03 | 75 | 3964  | 0.595  | ug/L # | 64     |

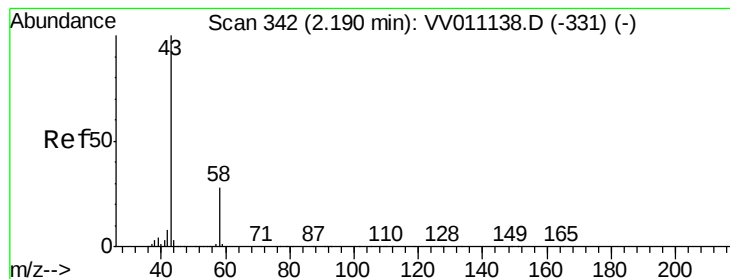
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 42.633 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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Acq: 30 May 2019 23:49

Instrument :

MSVOA\_V

ClientSampleId :

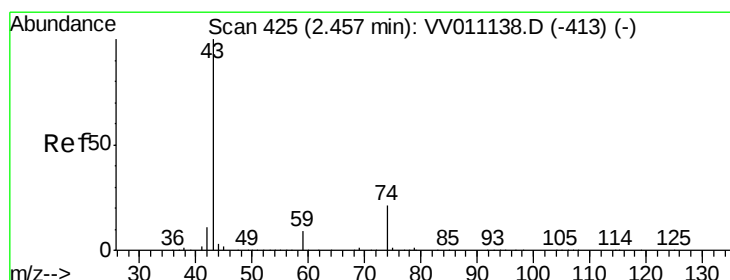
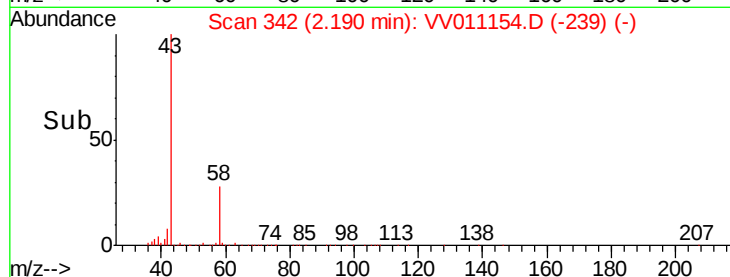
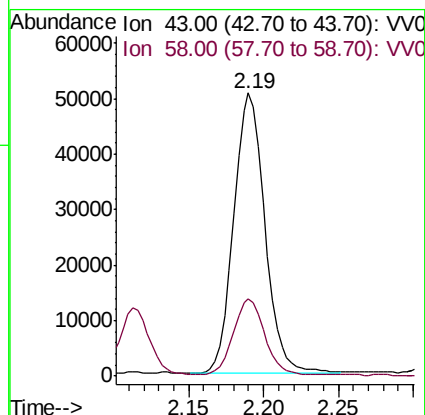
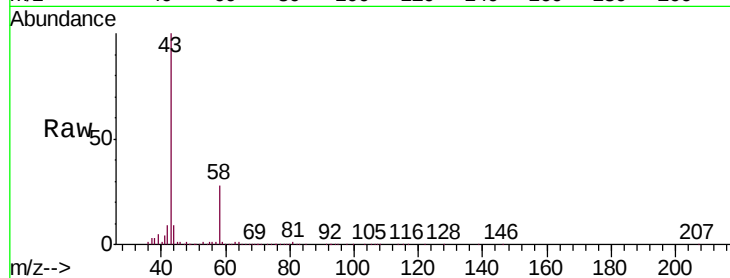
A51F9

Tgt Ion: 43 Resp: 73414

Ion Ratio Lower Upper

43 100

58 26.7 0.0 53.8



#15

Methyl Acetate

Concen: 25.132 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV011154.D

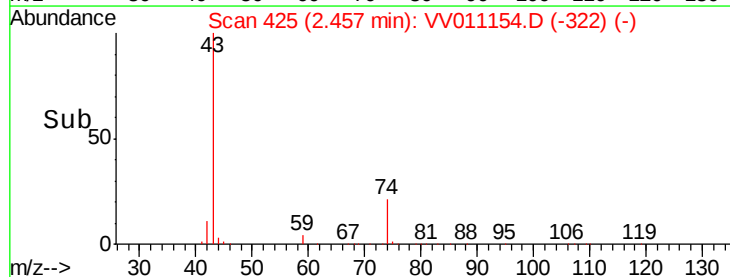
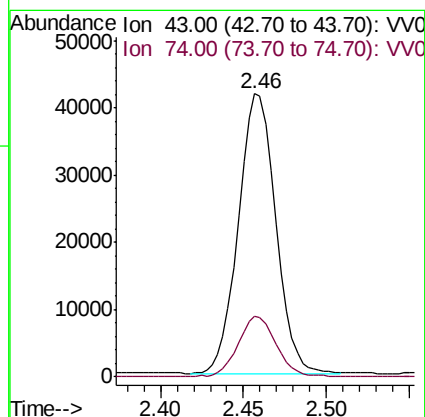
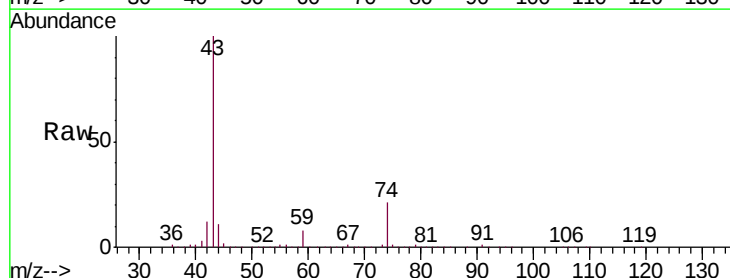
Acq: 30 May 2019 23:49

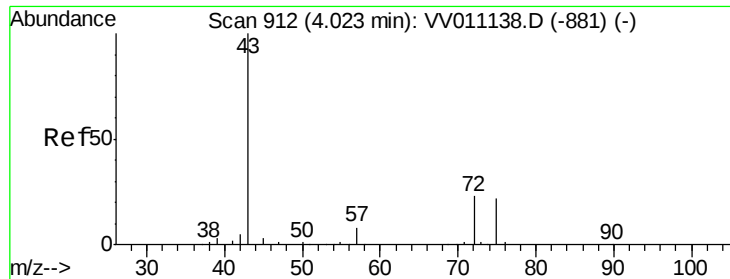
Tgt Ion: 43 Resp: 65120

Ion Ratio Lower Upper

43 100

74 22.0 16.2 24.4





#21

2-Butanone

Concen: 2.432 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.01 min

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Instrument :

MSVOA\_V

ClientSampleId :

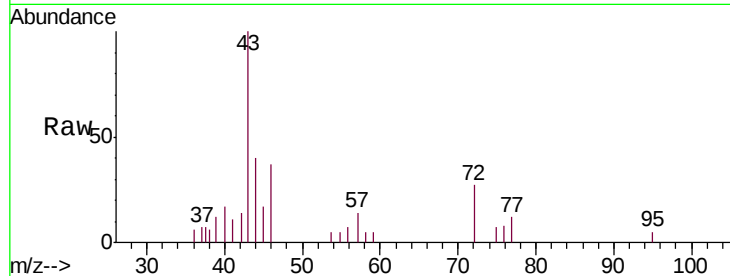
A51F9

Tgt Ion: 43 Resp: 4914

Ion Ratio Lower Upper

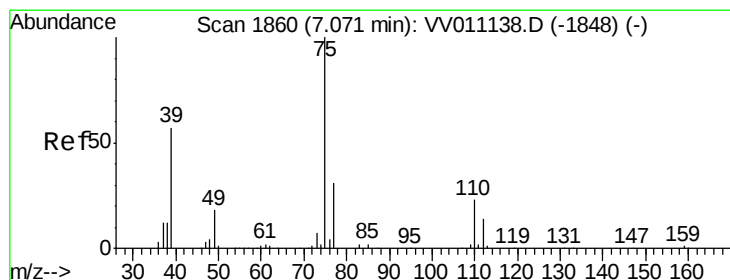
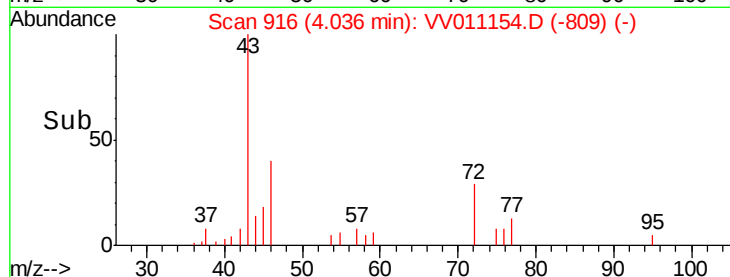
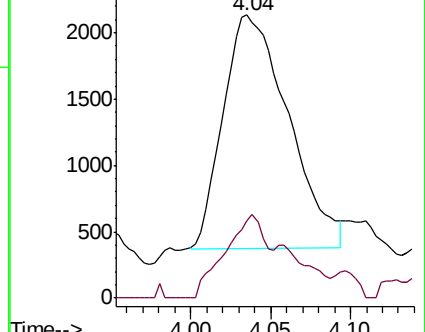
43 100

72 22.9 11.1 33.3



Abundance Ion 43.00 (42.70 to 43.70): VV011138.D (-881) (-)

Ion 72.00 (71.70 to 72.70): VV011138.D (-881) (-)



#42

cis-1,3-Dichloropropene

Concen: 0.595 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.05 min

Lab File: VV011154.D

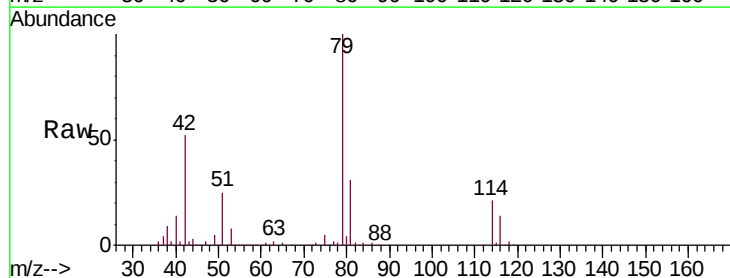
Acq: 30 May 2019 23:49

Tgt Ion: 75 Resp: 3964

Ion Ratio Lower Upper

75 100

77 50.0 21.3 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VV011138.D (-1848) (-)

Ion 77.00 (76.70 to 77.70): VV011138.D (-1848) (-)

