

Data File : VV011053.D  
Acq On : 24 May 2019 05:31  
Operator : SY/MD  
Sample : K3016-21  
Misc : 4.67G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A51D8

Quant Time: May 24 09:17:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM052019S.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 24 09:03:49 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 92156    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 81191    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 22158    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 18667    | 17.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.08%   |
| 7) Chloroethane-d5             | 1.56   | 69    | 15412    | 21.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.68%   |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 27393    | 13.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 54.24%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 34631    | 95.53    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 191.06%# |
| 24) Chloroform-d               | 4.39   | 84    | 63810    | 26.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 106.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 38398    | 27.30    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 109.20%  |
| 29) Benzene-d6                 | 5.09   | 84    | 112710   | 25.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.72%  |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 41270    | 29.30    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 117.20%  |
| 37) Toluene-d8                 | 7.36   | 98    | 84374    | 20.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 81.92%   |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 12981    | 22.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.80%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 24865    | 94.66    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 189.32%# |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 45264    | 32.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 128.76%# |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 19992    | 22.22    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.88%   |

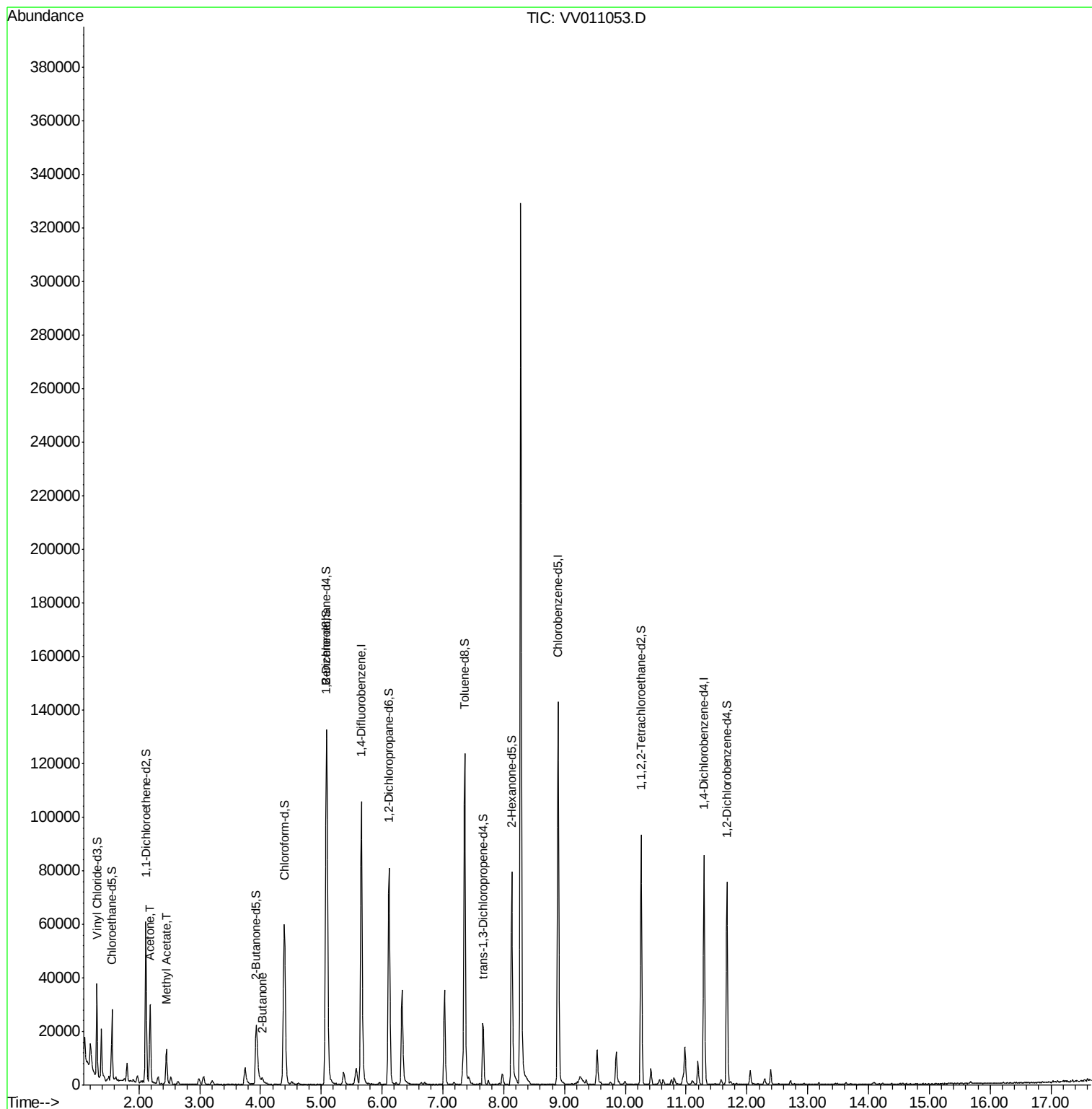
| Target Compounds   |      |    |       |             | Qvalue |
|--------------------|------|----|-------|-------------|--------|
| 13) Acetone        | 2.18 | 43 | 26752 | 76.523 ug/L | 96     |
| 15) Methyl Acetate | 2.45 | 43 | 14100 | 20.992 ug/L | 96     |
| 21) 2-Butanone     | 4.03 | 43 | 2221  | 4.642 ug/L  | 99     |

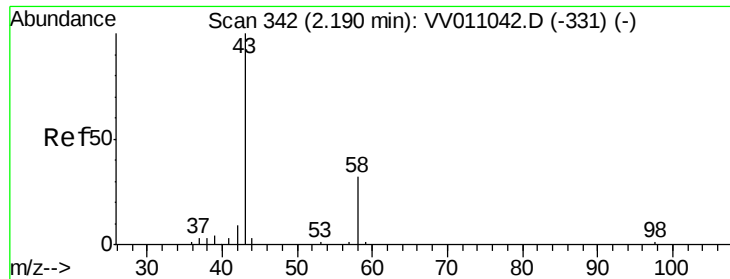
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 24 09:03:49 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 76.523 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV011053.D

Acq: 24 May 2019 05:31

Instrument :

MSVOA\_V

ClientSampled :

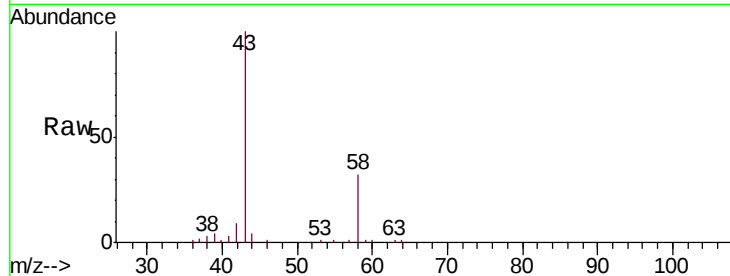
A51D8

Tgt Ion: 43 Resp: 26752

Ion Ratio Lower Upper

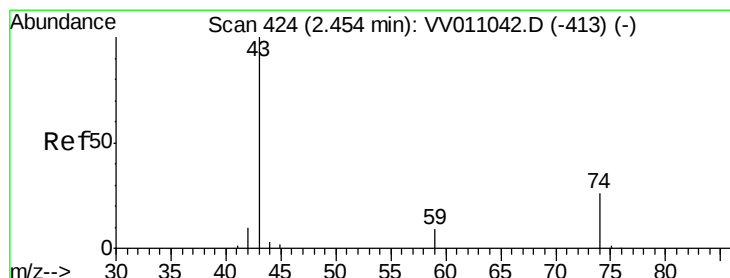
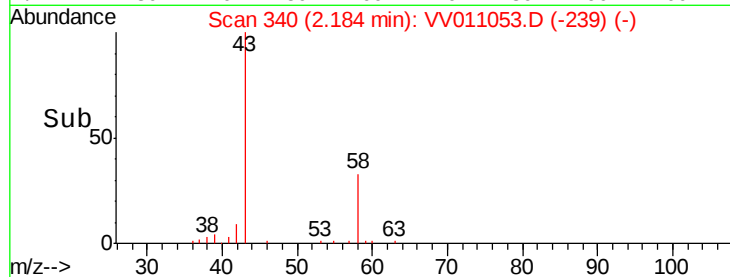
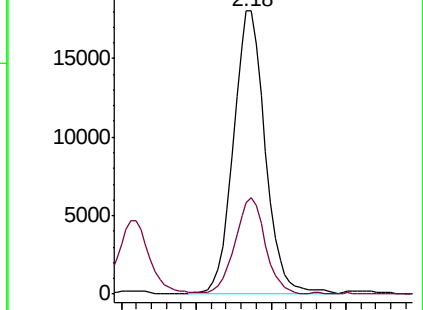
43 100

58 32.5 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV011042.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV011042.D (-331) (-)



#15

Methyl Acetate

Concen: 20.992 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV011053.D

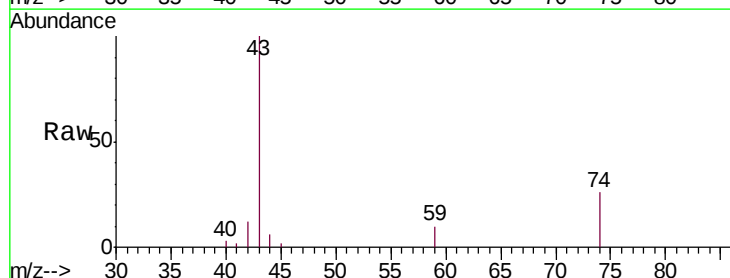
Acq: 24 May 2019 05:31

Tgt Ion: 43 Resp: 14100

Ion Ratio Lower Upper

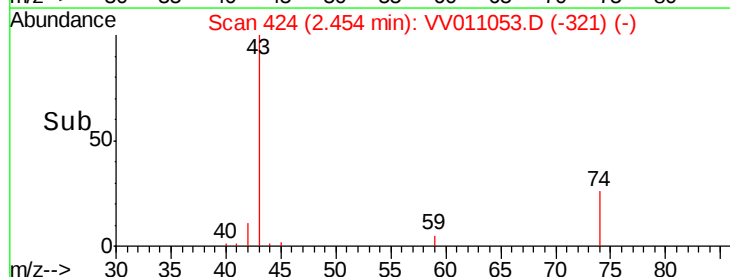
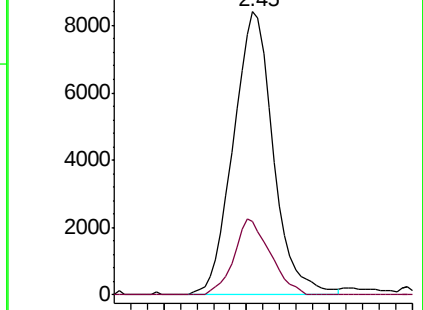
43 100

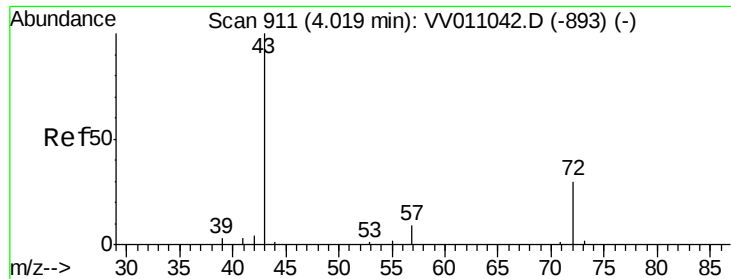
74 24.2 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VV011042.D (-413) (-)

Ion 74.00 (73.70 to 74.70): VV011042.D (-413) (-)





#21  
 2-Butanone  
 Concen: 4.642 ug/L  
 RT: 4.03 min Scan# 913  
 Delta R.T. 0.01 min  
 Lab File: VV011053.D  
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 MSVOA\_V  
 ClientSampleId :  
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Tgt Ion: 43 Resp: 2221  
 Ion Ratio Lower Upper  
 43 100  
 72 26.5 13.1 39.3

