

Data File : VV011052.D  
Acq On : 24 May 2019 05:03  
Operator : SY/MD  
Sample : K3016-20  
Misc : 4.61G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A51D7

Quant Time: May 24 09:23:55 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  | 104298   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 98885    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 30167    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 20404    | 17.16    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 68.64%   |
| 7) Chloroethane-d5             | 1.55   | 69    | 15241    | 18.93    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.72%   |
| 10) 1,1-Dichloroethene-d2      | 2.11   | 63    | 27616    | 12.08    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 48.32%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 30235    | 73.69    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 147.38%# |
| 24) Chloroform-d               | 4.39   | 84    | 59413    | 21.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.96%   |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 36921    | 23.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.76%   |
| 29) Benzene-d6                 | 5.09   | 84    | 118987   | 22.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.16%   |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 41561    | 24.23    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.92%   |
| 37) Toluene-d8                 | 7.36   | 98    | 100291   | 19.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.92%   |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 15051    | 21.37    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 85.48%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 25264    | 78.97    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 157.94%# |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 50696    | 29.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 118.40%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 27424    | 22.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.56%   |

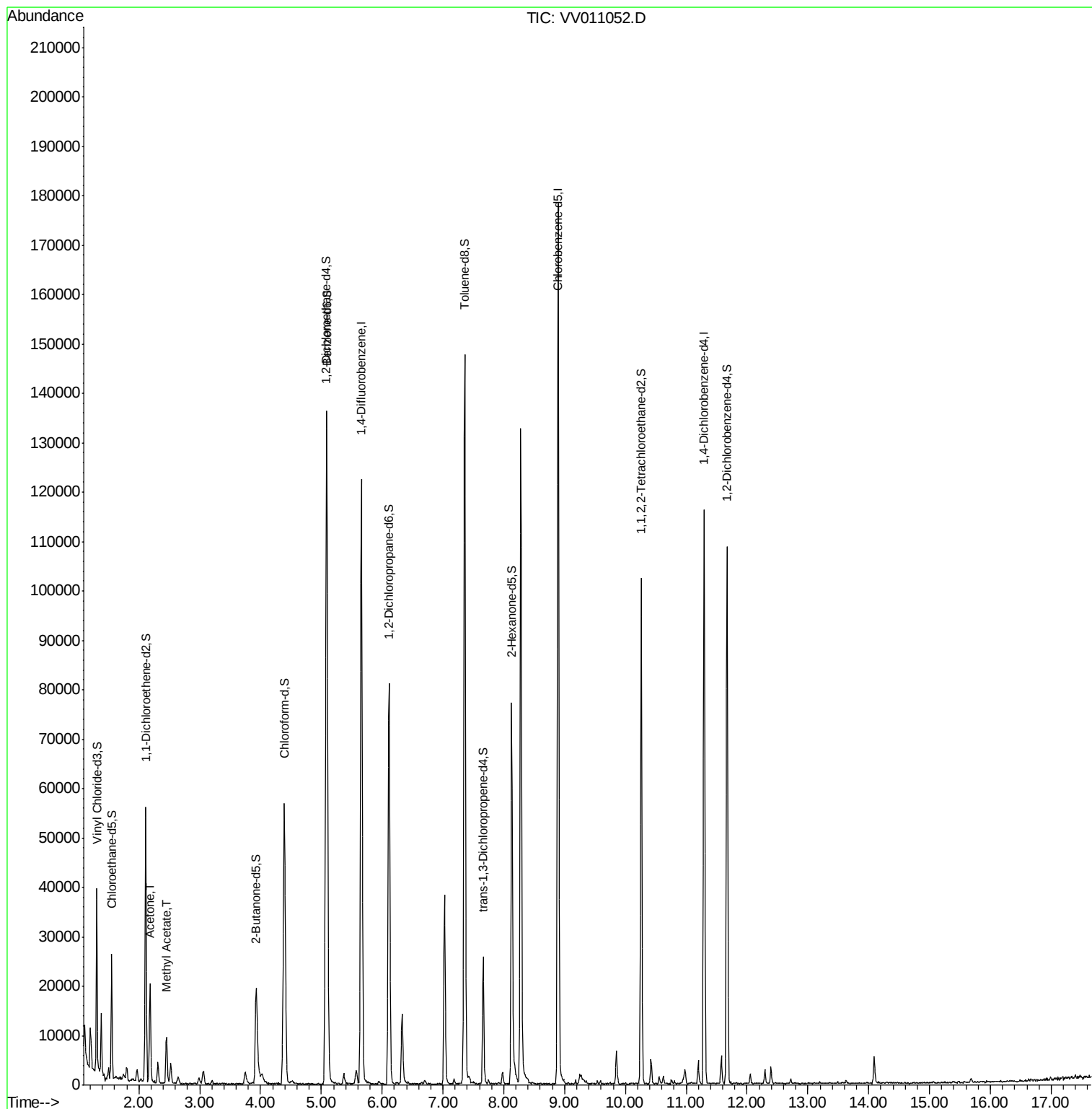
| Target Compounds   |      |    |       |             | Qvalue |
|--------------------|------|----|-------|-------------|--------|
| 13) Acetone        | 2.18 | 43 | 18438 | 46.601 ug/L | 94     |
| 15) Methyl Acetate | 2.45 | 43 | 10825 | 14.240 ug/L | 95     |

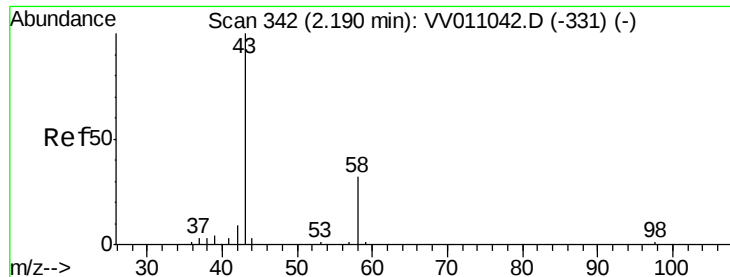
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 46.601 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

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Instrument :

MSVOA\_V

ClientSampleId :

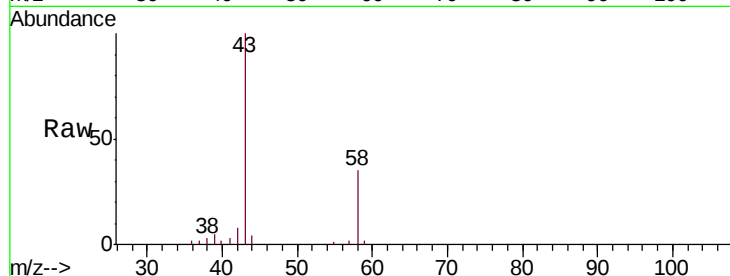
A51D7

Tgt Ion: 43 Resp: 18438

Ion Ratio Lower Upper

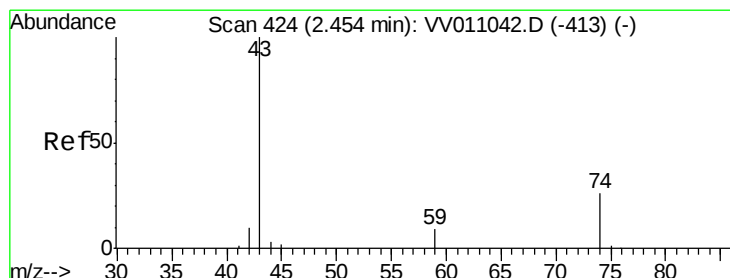
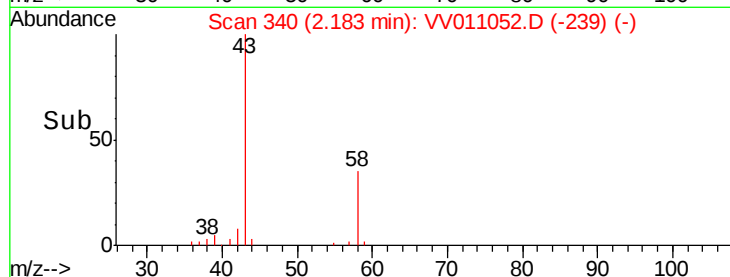
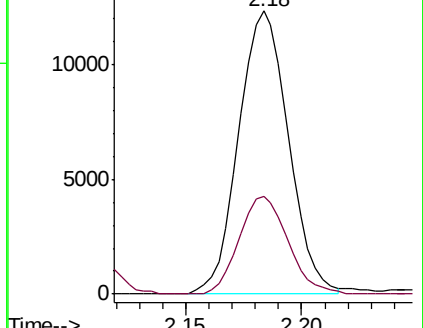
43 100

58 33.9 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: 14.240 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

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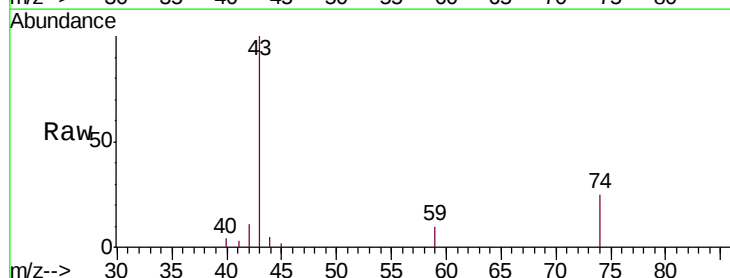
Acq: 24 May 2019 05:03

Tgt Ion: 43 Resp: 10825

Ion Ratio Lower Upper

43 100

74 23.9 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) (-)

