

Data File : VV011041.D  
Acq On : 23 May 2019 21:45  
Operator : SY/MD  
Sample : K3016-08  
Misc : 5.51G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A51C7

Quant Time: May 24 09:04:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM052019S.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 24 08:16:13 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 93828    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 100989   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 38877    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 17090    | 15.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.92%   |
| 7) Chloroethane-d5             | 1.57   | 69    | 13804    | 19.06    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.24%   |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 25736    | 12.51    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 50.04%   |
| 20) 2-Butanone-d5              | 3.94   | 46    | 28946    | 78.42    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 156.84%# |
| 24) Chloroform-d               | 4.40   | 84    | 57368    | 23.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.40%   |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 34830    | 24.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 97.28%   |
| 29) Benzene-d6                 | 5.09   | 84    | 108925   | 19.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 79.04%   |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 38965    | 22.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.96%   |
| 37) Toluene-d8                 | 7.36   | 98    | 90134    | 17.59    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 70.36%   |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 14300    | 19.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 79.52%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 24163    | 73.95    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 147.90%# |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 46733    | 26.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 106.88%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 35619    | 22.57    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.28%   |

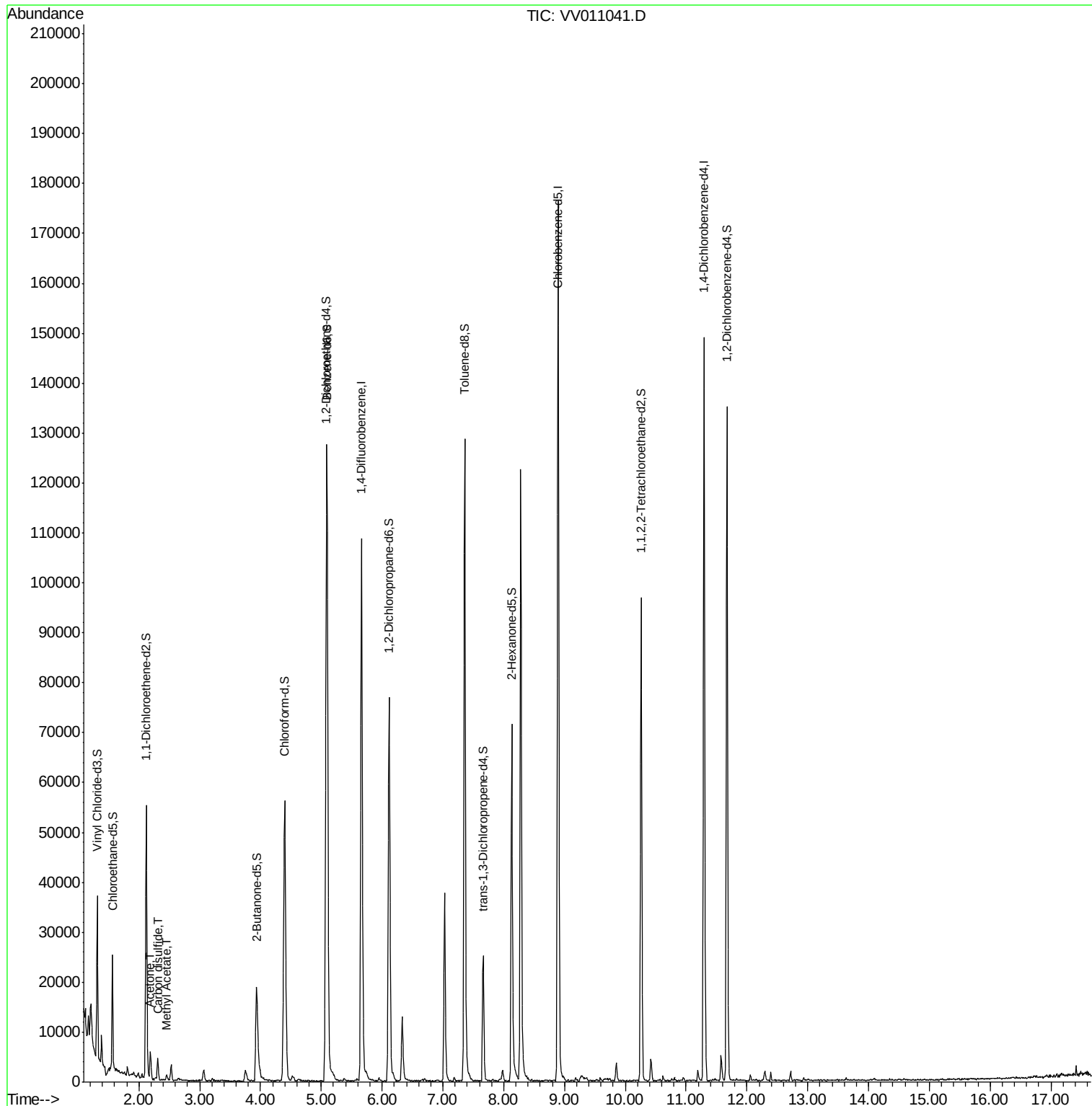
| Target Compounds     |      |    |      |             | Qvalue |
|----------------------|------|----|------|-------------|--------|
| 13) Acetone          | 2.19 | 43 | 4817 | 13.533 ug/L | 94     |
| 14) Carbon disulfide | 2.31 | 76 | 4005 | 1.444 ug/L  | 99     |
| 15) Methyl Acetate   | 2.46 | 43 | 1189 | 1.739 ug/L  | 90     |

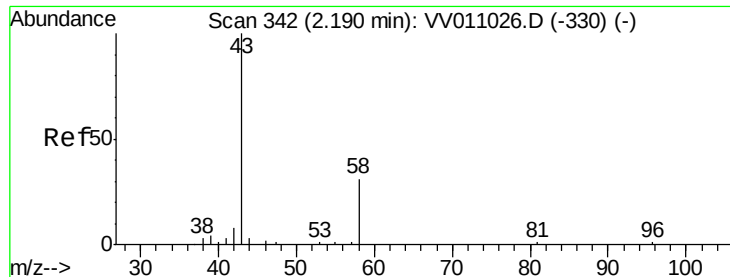
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 13.533 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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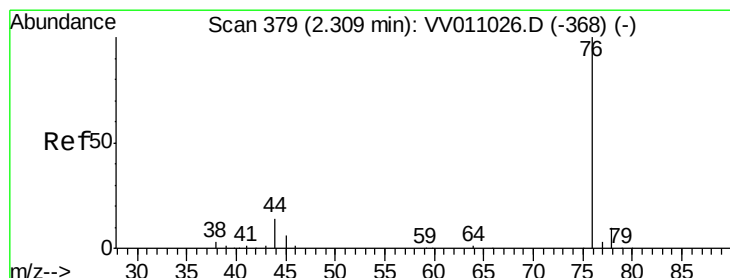
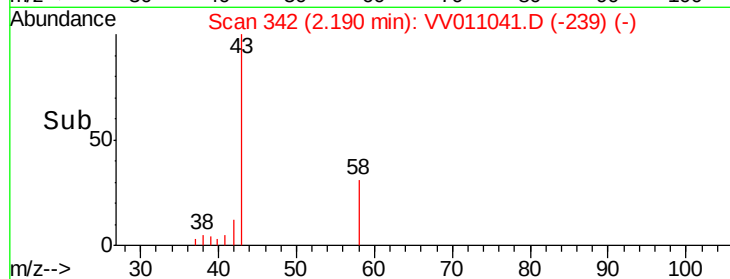
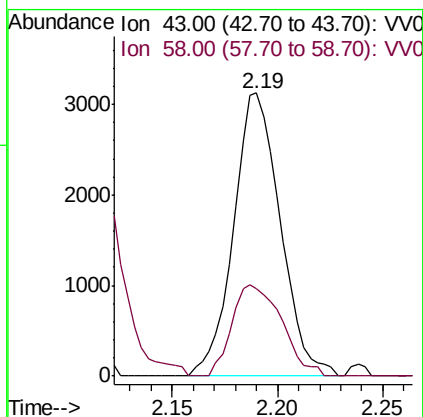
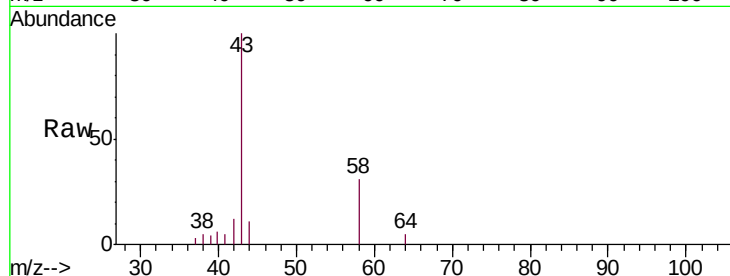
Instrument :  
MSVOA\_V  
ClientSampled :  
A51C7

Tgt Ion: 43 Resp: 4817

Ion Ratio Lower Upper

43 100

58 33.8 0.0 60.8



#14

Carbon disulfide

Concen: 1.444 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

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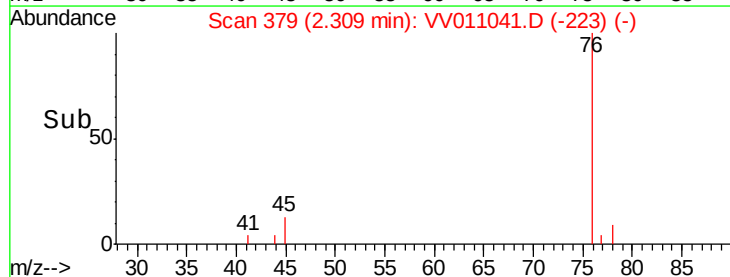
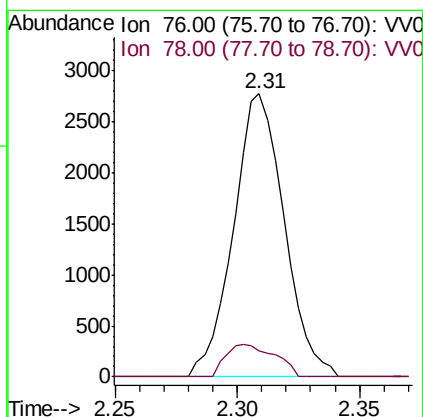
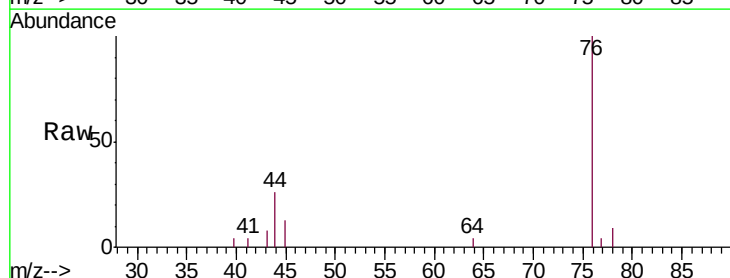
Acq: 23 May 2019 21:45

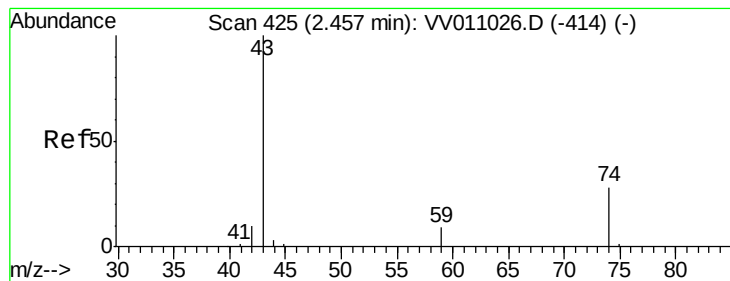
Tgt Ion: 76 Resp: 4005

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8





#15

Methyl Acetate

Concen: 1.739 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

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MSVOA\_V  
ClientSampleId :  
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Tgt Ion: 43 Resp: 1189

Ion Ratio Lower Upper

43 100

74 21.2 21.1 31.7

