

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\  
 Data File : VV011067.D  
 Acq On : 28 May 2019 17:02  
 Operator : SY/MD  
 Sample : K3016-10  
 Misc : 5.54G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A51C9

Quant Time: May 29 11:21:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM052819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 29 02:15:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 467673   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 389813   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 121846   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 153880   | 24.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.00%   |
| 7) Chloroethane-d5             | 1.56   | 69    | 112063   | 24.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.96%   |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 228560   | 19.16    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 76.64%   |
| 20) 2-Butanone-d5              | 3.94   | 46    | 130687   | 59.13    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.26%  |
| 24) Chloroform-d               | 4.40   | 84    | 288625   | 25.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 177525   | 24.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 97.92%   |
| 29) Benzene-d6                 | 5.09   | 84    | 617938   | 27.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 108.28%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 201335   | 27.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.92%  |
| 37) Toluene-d8                 | 7.36   | 98    | 547076   | 26.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 104.00%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 87585    | 25.89    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 103.56%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 107247   | 67.79    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 135.58%# |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 156105   | 25.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 100.00%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 106642   | 22.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.52%   |

## Target Compounds

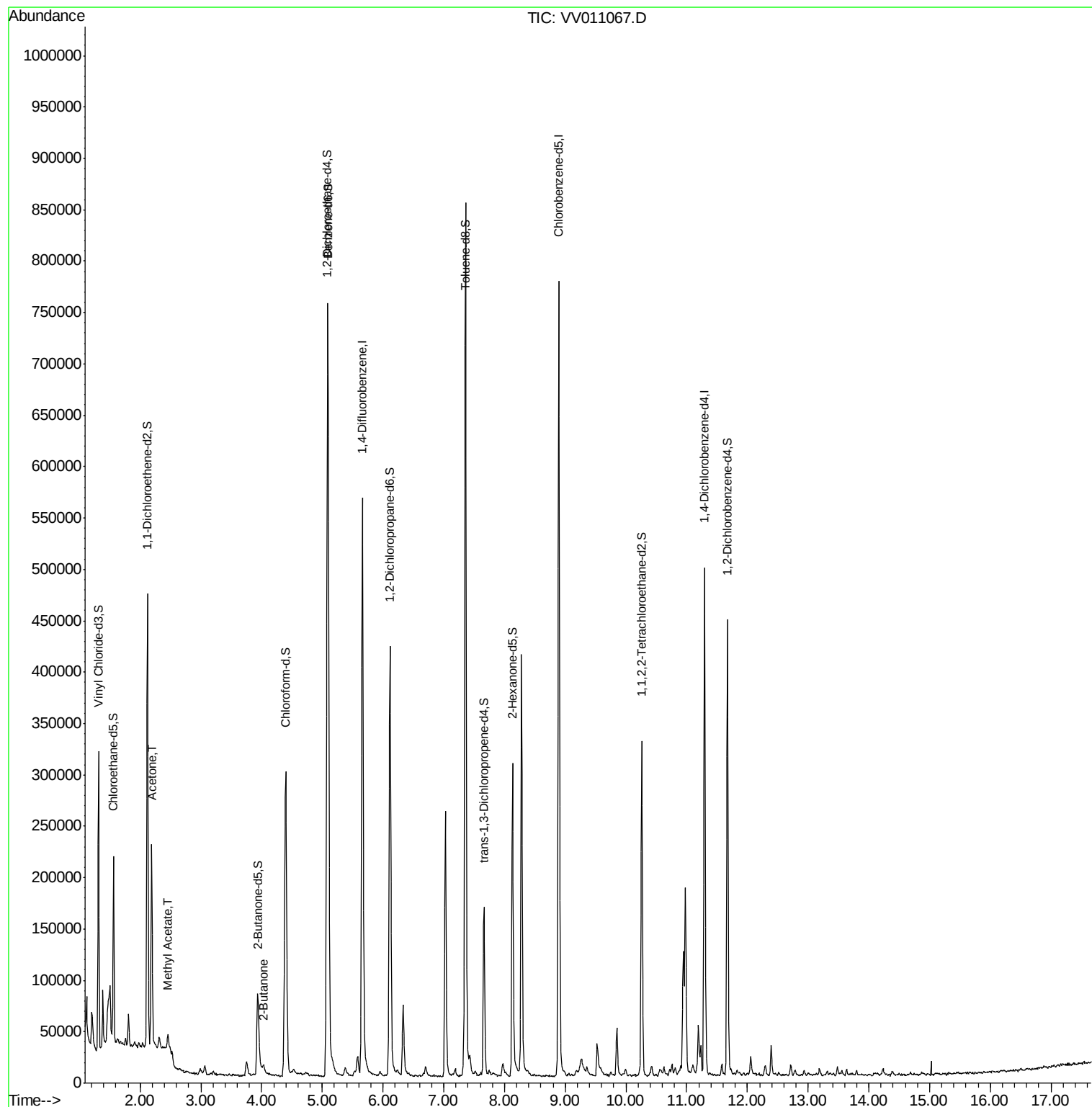
|                    |      |    |        |              | Ovalue |
|--------------------|------|----|--------|--------------|--------|
| 13) Acetone        | 2.19 | 43 | 189583 | 75.726 ug/L  | 99     |
| 15) Methyl Acetate | 2.46 | 43 | 13286  | 3.677 ug/L # | 100    |
| 21) 2-Butanone     | 4.03 | 43 | 13978  | 4.534 ug/L   | 87     |

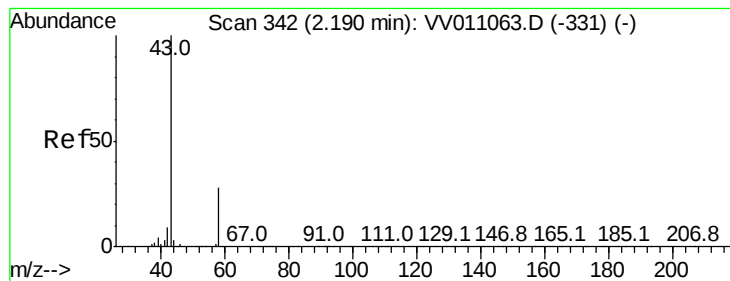
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 75.726 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV011067.D

Acq: 28 May 2019 17:02

Instrument :

MSVOA\_V

ClientSampleId :

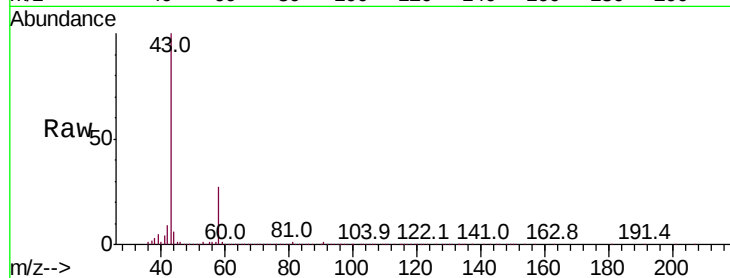
A51C9

Tot Ion: 43 Resp: 189583

Ion Ratio Lower Upper

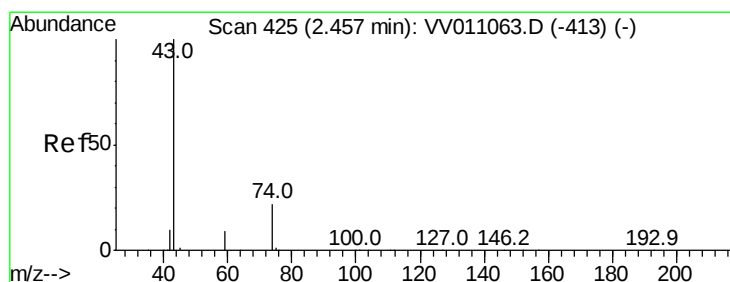
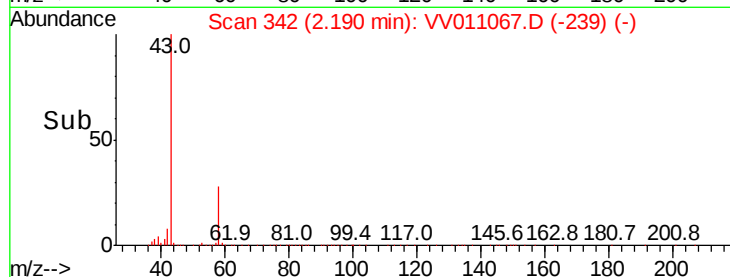
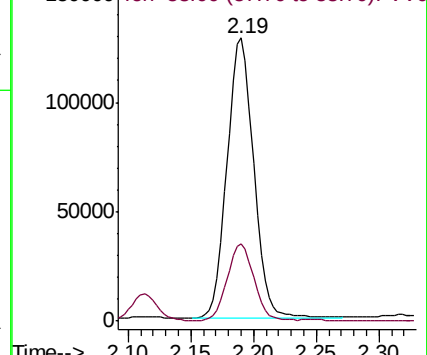
43 100

58 27.1 0.0 54.8



Abundance Ion 43.00 (42.70 to 43.70): VV011067.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV011067.D (-331) (-)



#15

Methyl Acetate

Concen: 3.677 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV011067.D

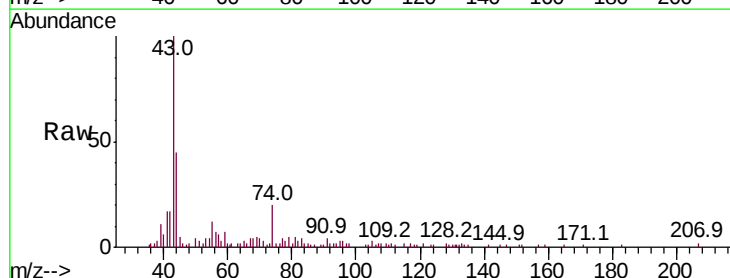
Acq: 28 May 2019 17:02

Tgt Ion: 43 Resp: 13286

Ion Ratio Lower Upper

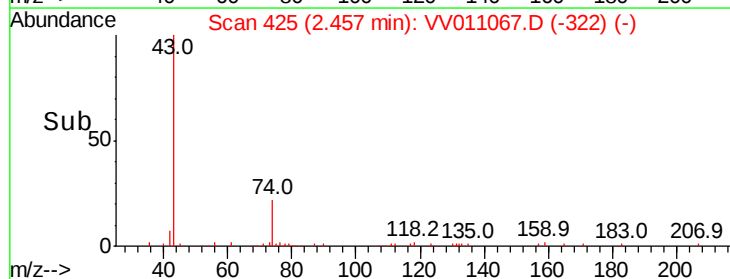
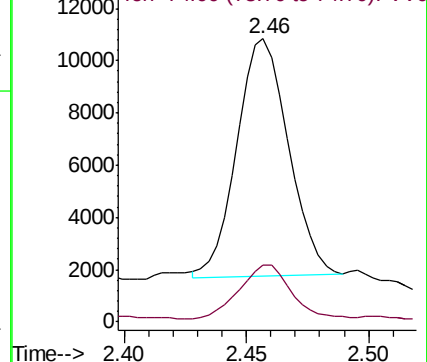
43 100

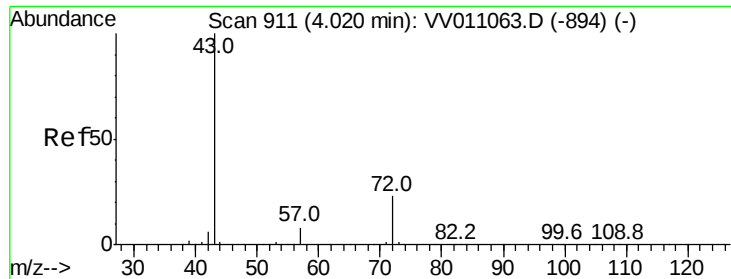
74 23.6 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VV011067.D (-413) (-)

Ion 74.00 (73.70 to 74.70): VV011067.D (-413) (-)





#21

2-Butanone

Concen: 4.534 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV011067.D

Acq: 28 May 2019 17:02

Instrument :

MSVOA\_V

ClientSampleId :

A51C9

Tot Ion: 43 Resp: 13978

Ion Ratio Lower Upper

43 100

72 27.6 10.7 31.9

