

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053019\  
 Data File : VV011165.D  
 Acq On : 31 May 2019 06:37  
 Operator : SY/MD  
 Sample : K3017-12RE  
 Misc : 3.52G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A51E5RE

Manual Integrations  
 APPROVED

MMDadoda  
 6/11/2019 9:40:24 AM

Quant Time: May 31 09:00:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM053019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 31 08:21:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 310554   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 255202   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 82913    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 94242    | 22.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.72%   |
| 7) Chloroethane-d5             | 1.55   | 69    | 80144    | 24.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.24%   |
| 10) 1,1-Dichloroethene-d2      | 2.11   | 63    | 141746m  | 16.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.72%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 98912    | 64.41    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 128.82%  |
| 24) Chloroform-d               | 4.39   | 84    | 187290   | 24.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 98.68%   |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 125862   | 25.44    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.76%  |
| 29) Benzene-d6                 | 5.09   | 84    | 384455   | 27.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 110.96%  |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 128810   | 29.01    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 116.04%  |
| 37) Toluene-d8                 | 7.36   | 98    | 332700   | 25.44    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.76%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 49346    | 24.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 98.24%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 70508    | 69.86    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 139.72%# |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 110955   | 27.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 110.88%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 76596    | 24.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.76%   |

| Target Compounds   |      |    |        |         | Ovalue   |
|--------------------|------|----|--------|---------|----------|
| 13) Acetone        | 2.18 | 43 | 222294 | 124.424 | ug/L 100 |
| 15) Methyl Acetate | 2.45 | 43 | 146102 | 54.347  | ug/L 96  |
| 21) 2-Butanone     | 4.03 | 43 | 13276  | 6.334   | ug/L 78  |

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

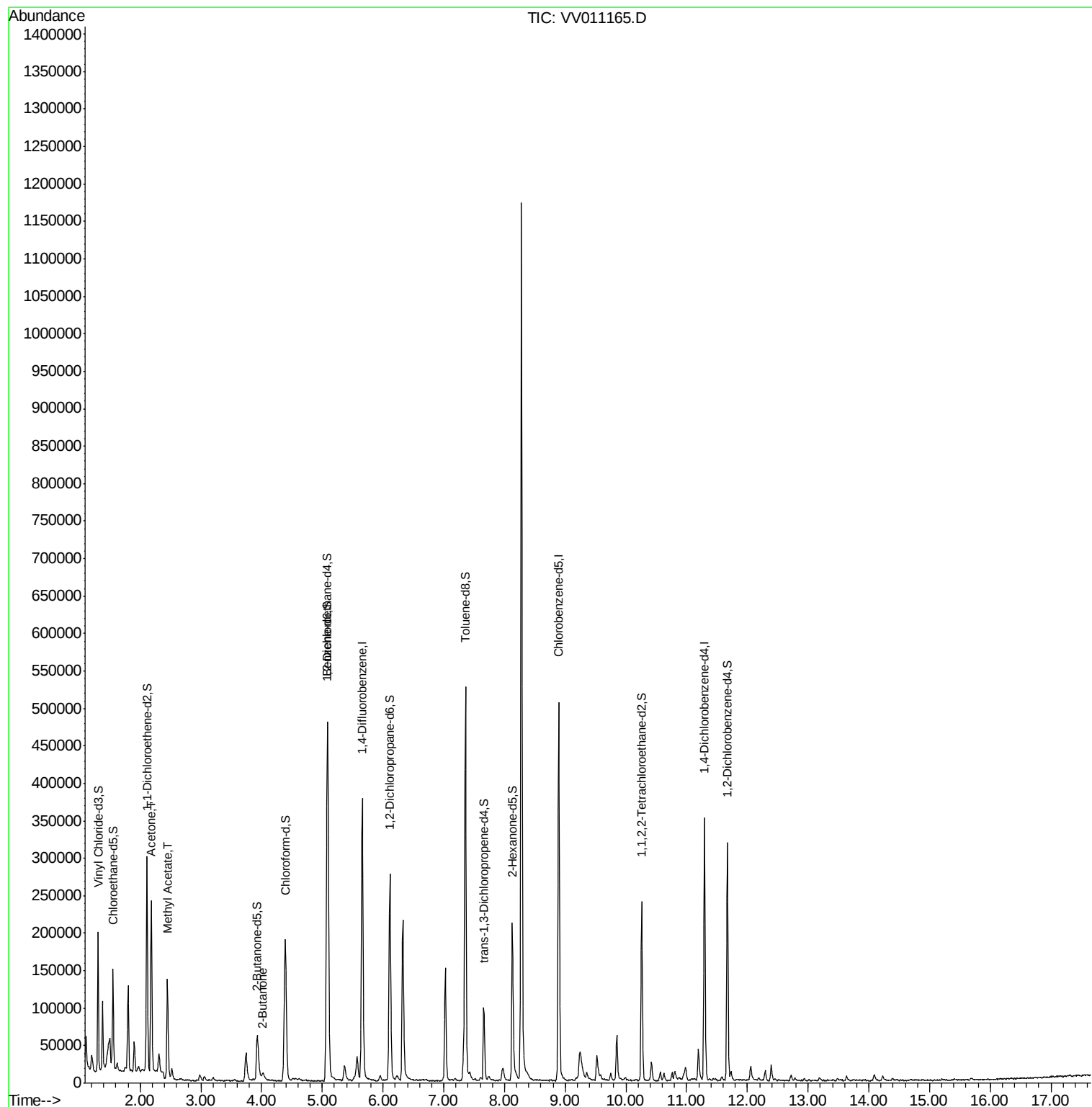
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV053019\  
Data File : VV011165.D  
Acq On : 31 May 2019 06:37  
Operator : SY/MD  
Sample : K3017-12RE  
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ALS Vial : 1 Sample Multiplier: 1

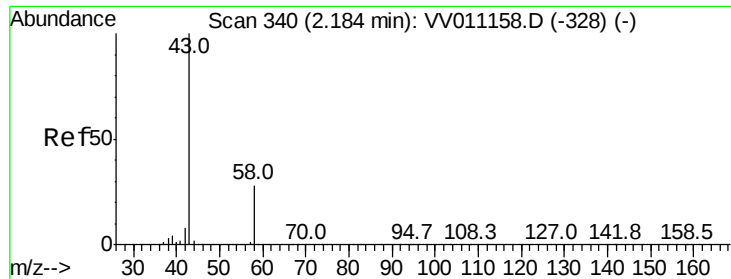
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM053019S.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 31 08:21:18 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 124.424 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV011165.D

Acq: 31 May 2019 06:37

Instrument :

MSVOA\_V

ClientSampleId :

A51E5RE

Tot Ion: 43 Resp: 222294

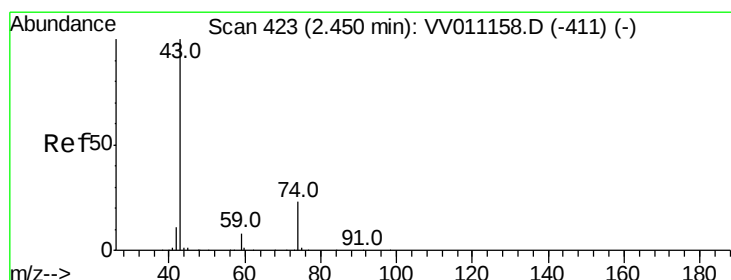
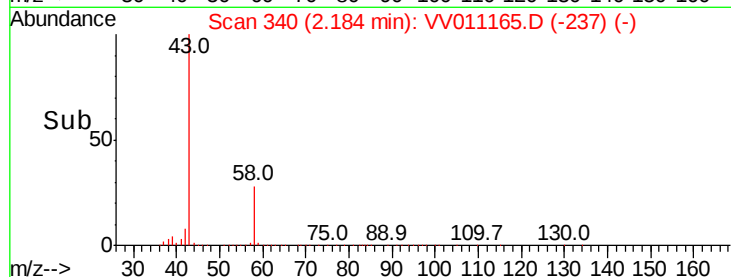
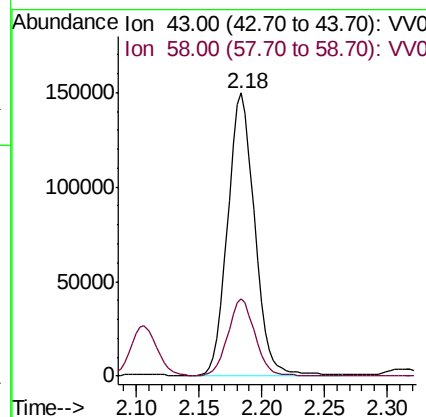
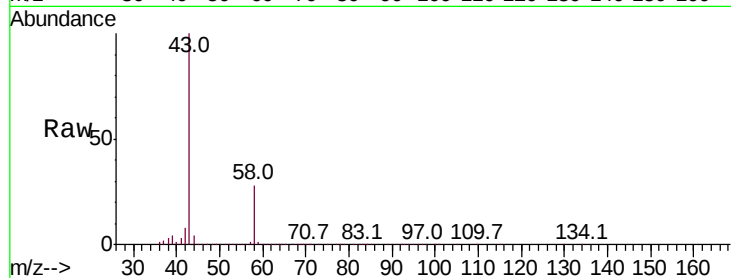
Ion Ratio Lower Upper

43 100

58 26.8 0.0 53.8

Manual Integrations  
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6/11/2019 9:40:24 AM



#15

Methyl Acetate

Concen: 54.347 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.00 min

Lab File: VV011165.D

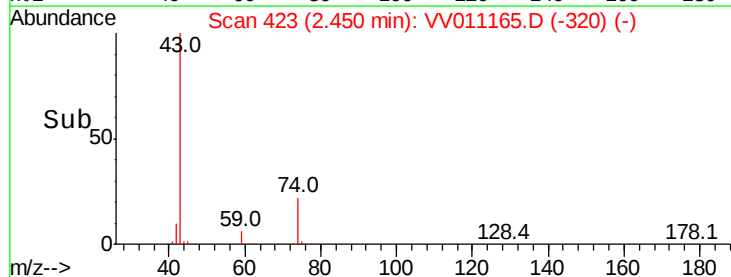
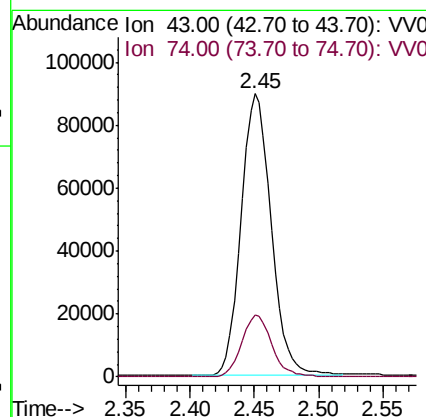
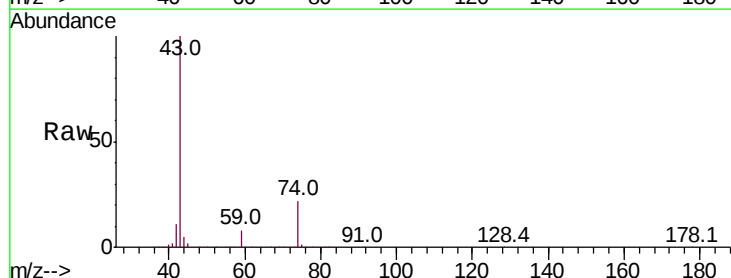
Acq: 31 May 2019 06:37

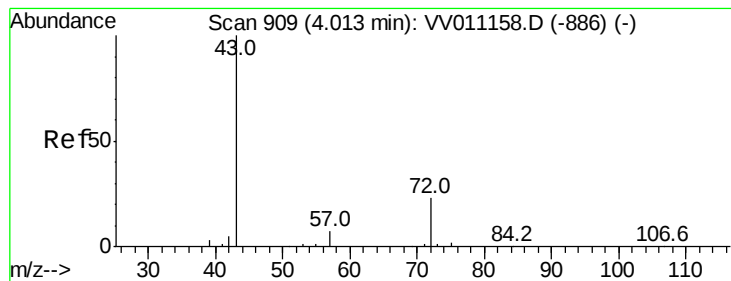
Tgt Ion: 43 Resp: 146102

Ion Ratio Lower Upper

43 100

74 22.0 16.2 24.4





#21

2-Butanone

Concen: 6.334 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.01 min

Lab File: VV011165.D

Acq: 31 May 2019 06:37

Tot Ion: 43 Resp: 13276

Ion Ratio Lower Upper

43 100

72 32.6 11.1 33.3

Instrument :

MSVOA\_V

ClientSampleId :

A51E5RE

Manual Integrations

APPROVED

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