

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\  
 Data File : VV011112.D  
 Acq On : 29 May 2019 17:39  
 Operator : SY/MD  
 Sample : K3017-17  
 Misc : 4.70G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A51F0

Manual Integrations  
 APPROVED

MMDadoda  
 6/1/2019 4:43:54 AM

Quant Time: May 30 04:37:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM052819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 30 03:51:47 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 379884   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 316285   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 106005   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 112585   | 21.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.48%  |
| 7) Chloroethane-d5             | 1.56   | 69    | 88480    | 23.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.20%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 176641   | 18.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.92%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 100675   | 56.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 112.16% |
| 24) Chloroform-d               | 4.40   | 84    | 218513m  | 23.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 139150   | 23.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 94.52%  |
| 29) Benzene-d6                 | 5.09   | 84    | 451023   | 24.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.40%  |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 145973   | 24.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.08%  |
| 37) Toluene-d8                 | 7.36   | 98    | 401362   | 23.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.04%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 65127    | 23.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.92%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 78030    | 60.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 121.58% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 118403   | 23.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 93.48%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 88789    | 21.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 84.72%  |

| Target Compounds   |      |    |       |               | Ovalue |
|--------------------|------|----|-------|---------------|--------|
| 13) Acetone        | 2.19 | 43 | 89754 | 44.136 ug/L   | 100    |
| 15) Methyl Acetate | 2.46 | 43 | 32266 | 10.993 ug/L # | 100    |
| 21) 2-Butanone     | 4.03 | 43 | 12665 | 5.057 ug/L    | 92     |

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

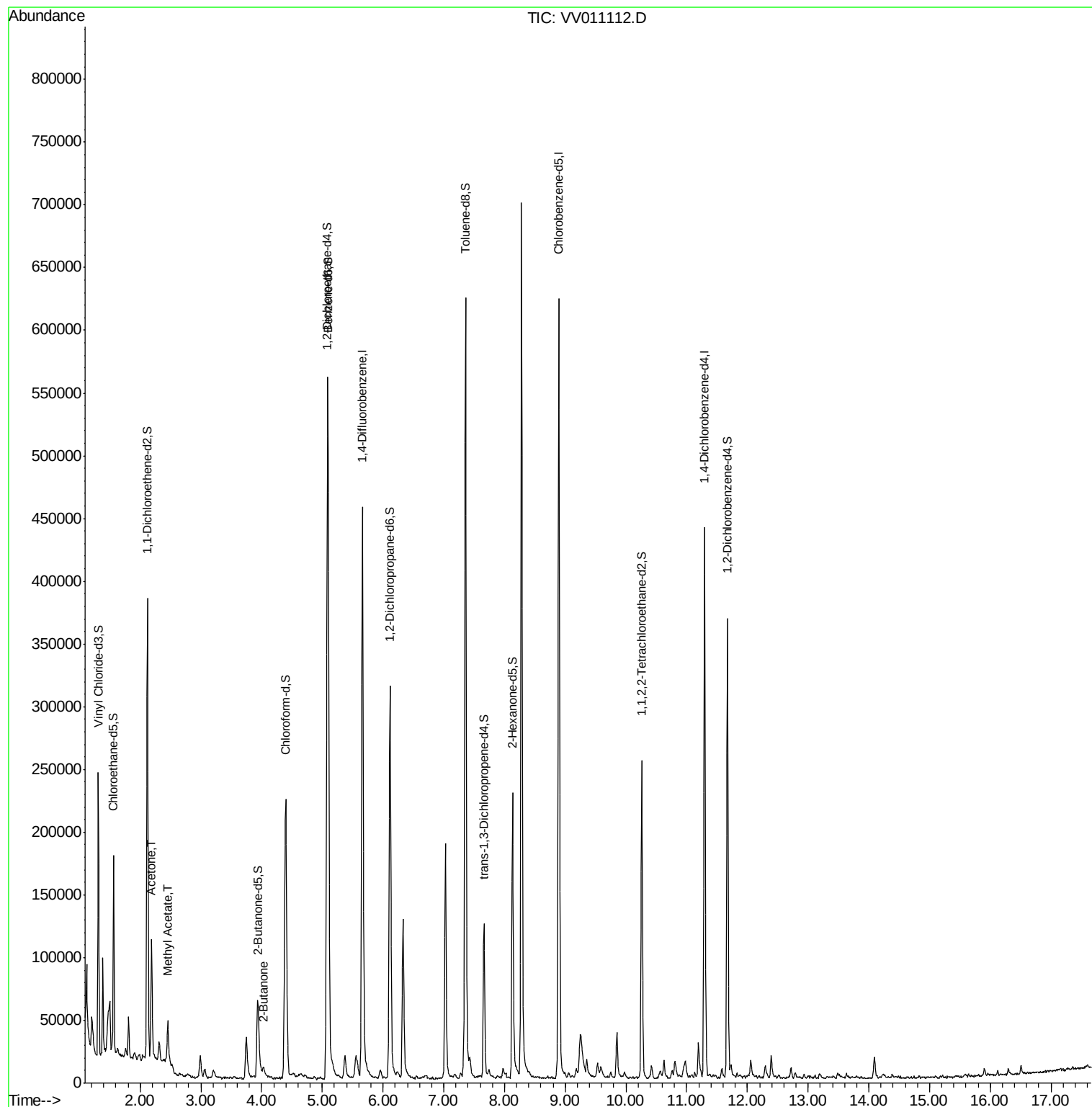
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\  
Data File : VV011112.D  
Acq On : 29 May 2019 17:39  
Operator : SY/MD  
Sample : K3017-17  
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ALS Vial : 1 Sample Multiplier: 1

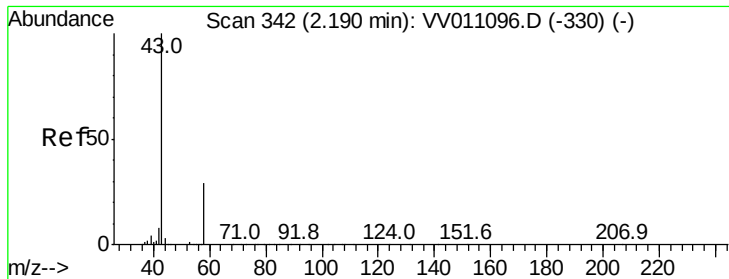
Instrument :  
MSVOA\_V  
ClientSampleId :  
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Quant Time: May 30 04:37:11 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM052819S.M  
Quant Title : VOC Analysis  
QLast Update : Thu May 30 03:51:47 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 44.136 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV011112.D

Acq: 29 May 2019 17:39

Instrument :

MSVOA\_V

ClientSampleId :

A51F0

Tot Ion: 43 Resp: 89754

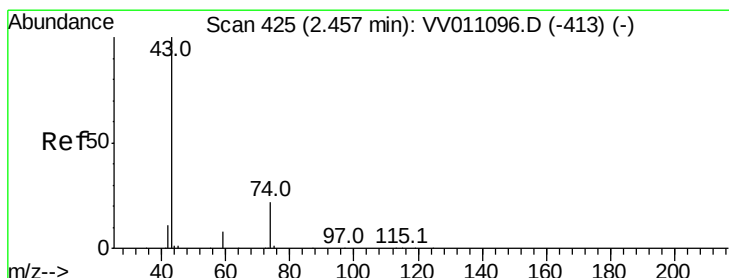
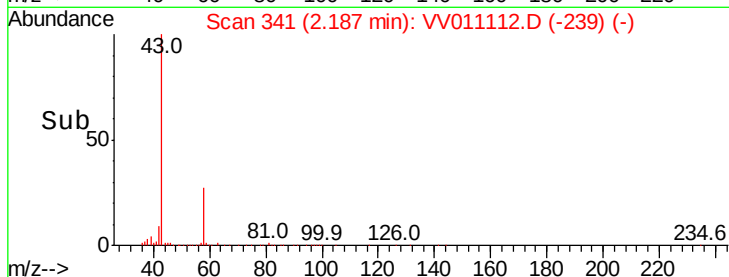
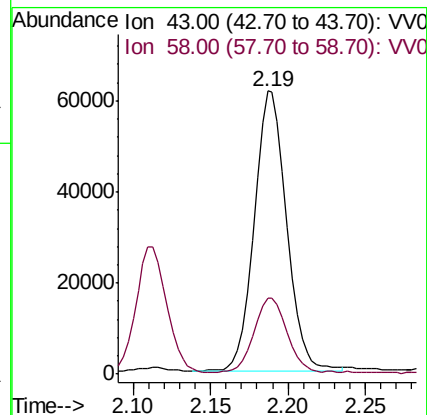
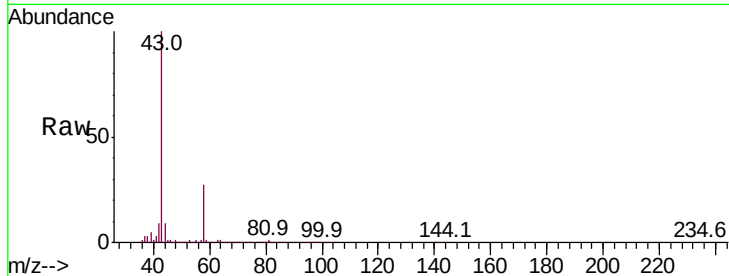
Ion Ratio Lower Upper

43 100

58 27.2 0.0 54.8

Manual Integrations  
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#15

Methyl Acetate

Concen: 10.993 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV011112.D

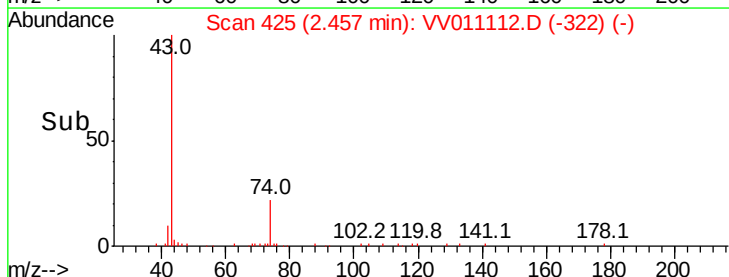
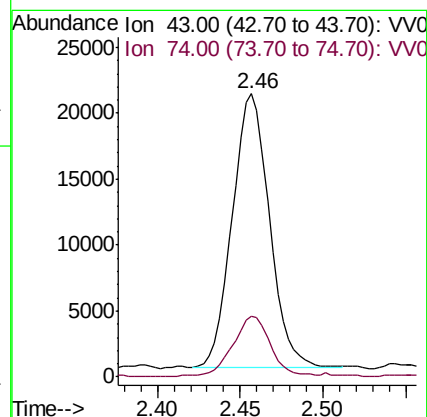
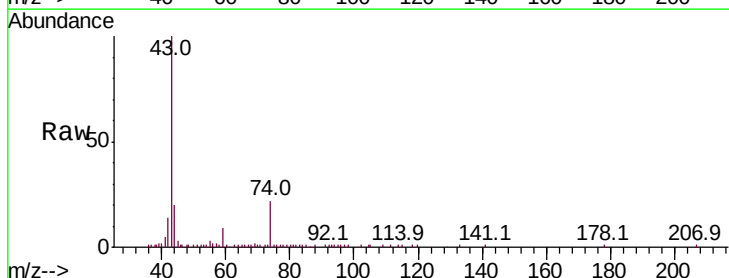
Acq: 29 May 2019 17:39

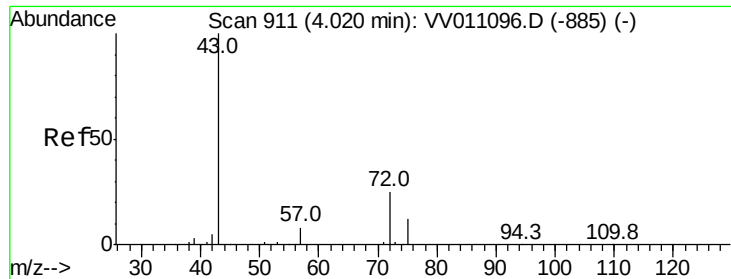
Tgt Ion: 43 Resp: 32266

Ion Ratio Lower Upper

43 100

74 21.2 0.0 0.0#





#21  
 2-Butanone  
 Concen: 5.057 ug/L  
 RT: 4.03 min Scan# 914  
 Delta R.T. 0.01 min  
 Lab File: VV011112.D  
 Acq: 29 May 2019 17:39

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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 24.9  | 10.7  | 31.9  |

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