

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031319\  
 Data File : VV009656.D  
 Acq On : 14 Mar 2019 00:28  
 Operator : SY/MD  
 Sample : K1794-19  
 Misc : 3.14G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5P6

Manual Integrations  
 APPROVED

MMDadoda  
 3/15/2019 7:53:53 AM

Quant Time: Mar 14 22:01:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM031319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 14 07:37:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 50303    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 51009    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 15559    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 3371     | 5.24     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 20.96%#  |
| 7) Chloroethane-d5             | 1.57   | 69    | 9094     | 11.46    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 45.84%   |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 13478    | 7.75     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 31.00%#  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 1278m    | 7.59     | ug/L | 0.01     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 15.18%#  |
| 24) Chloroform-d               | 4.40   | 84    | 25071    | 19.55    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 78.20%   |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 33219    | 45.78    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 183.12%# |
| 29) Benzene-d6                 | 5.10   | 84    | 61409    | 22.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.80%   |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 28632    | 36.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 146.48%# |
| 37) Toluene-d8                 | 7.36   | 98    | 45866    | 17.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 70.88%   |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 2234     | 6.22     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 24.88%#  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 1201     | 8.34     | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 16.68%#  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 27126    | 36.64    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 146.56%# |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 16680    | 27.68    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 110.72%  |

| Target Compounds       |      |    |      |             | Ovalue |
|------------------------|------|----|------|-------------|--------|
| 13) Acetone            | 2.19 | 43 | 2877 | 14.165 ug/L | 92     |
| 16) Methylene chloride | 2.54 | 84 | 3472 | 4.741 ug/L  | 91     |

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

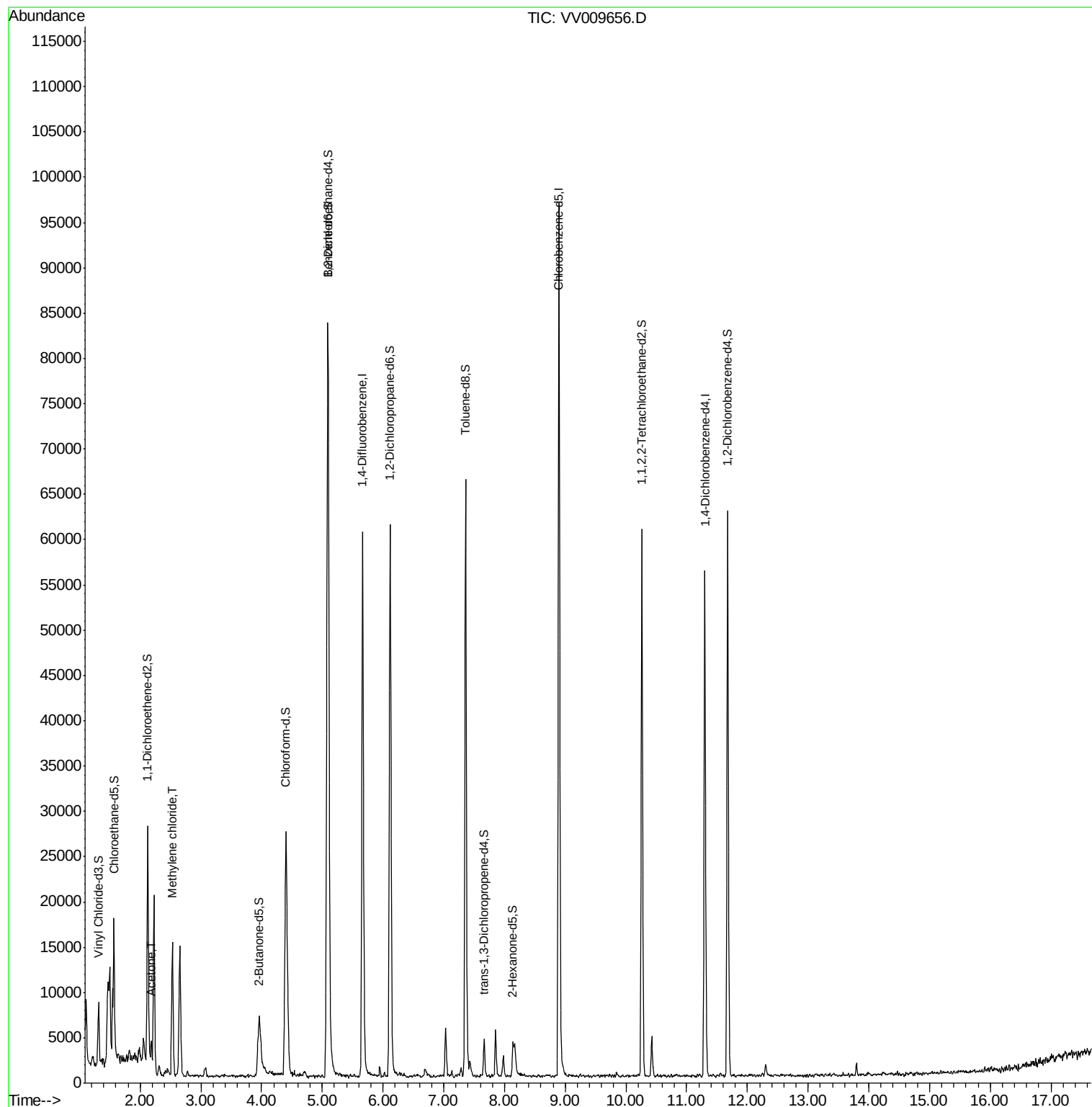
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV031319\  
Data File : VV009656.D  
Acq On : 14 Mar 2019 00:28  
Operator : SY/MD  
Sample : K1794-19  
Misc : 3.14G/10ML/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

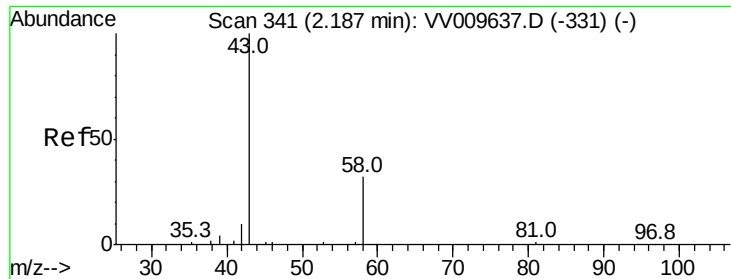
Instrument :  
MSVOA\_V  
ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM031319S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Mar 14 07:37:27 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 14.165 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV009656.D

Acq: 14 Mar 2019 00:28

Instrument :

MSVOA\_V

ClientSampleId :

BF5P6

Tot Ion: 43 Resp: 2877

Ion Ratio Lower Upper

43 100

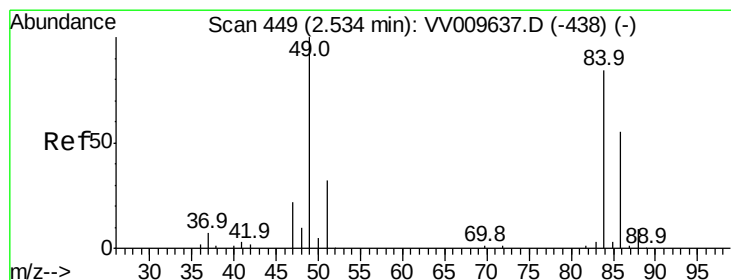
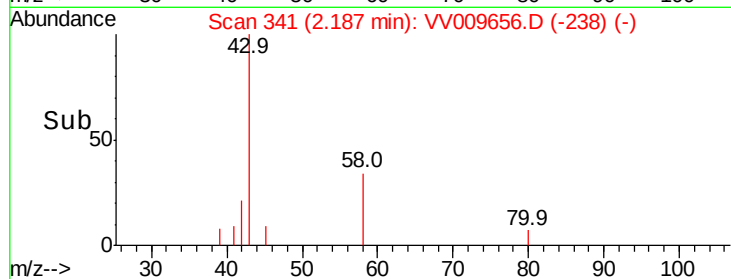
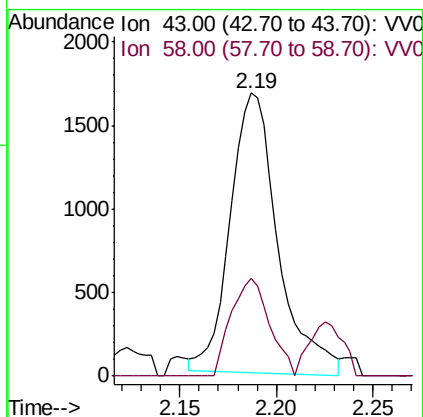
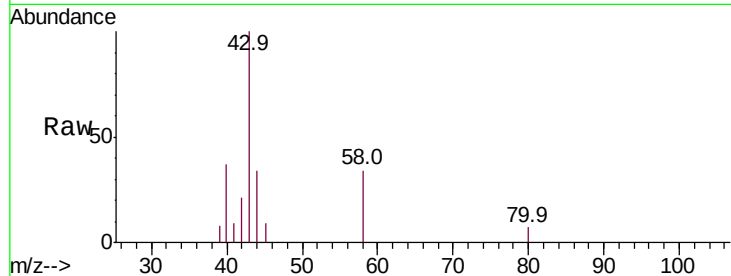
58 28.0 0.0 64.8

Manual Integrations

APPROVED

MMDadoda

3/15/2019 7:53:53 AM



#16

Methylene chloride

Concen: 4.741 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009656.D

Acq: 14 Mar 2019 00:28

Tgt Ion: 84 Resp: 3472

Ion Ratio Lower Upper

84 100

49 136.0 86.1 159.9

86 66.8 45.2 84.0

