

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\  
 Data File : VV010701.D  
 Acq On : 07 May 2019 19:49  
 Operator : SY/MD  
 Sample : K2633-09  
 Misc : 5.05G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAJA1

Quant Time: May 08 03:57:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 08 03:02:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 24126    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 32554    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 16915    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 1485     | 3.96     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 15.84%#  |
| 7) Chloroethane-d5             | 1.58   | 69    | 2850     | 9.24     | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 36.96%   |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 3352     | 4.12     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 16.48%#  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 10813    | 96.14    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 192.28%# |
| 24) Chloroform-d               | 4.40   | 84    | 17049    | 25.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.68%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 16736    | 40.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 162.96%# |
| 29) Benzene-d6                 | 5.10   | 84    | 27603    | 16.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 64.44%   |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 13794    | 25.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.04%  |
| 37) Toluene-d8                 | 7.36   | 98    | 24040    | 14.65    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 58.60%   |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 5798     | 23.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.16%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 7615     | 66.65    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 133.30%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 17442    | 33.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 135.96%# |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 12035    | 18.37    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 73.48%#  |

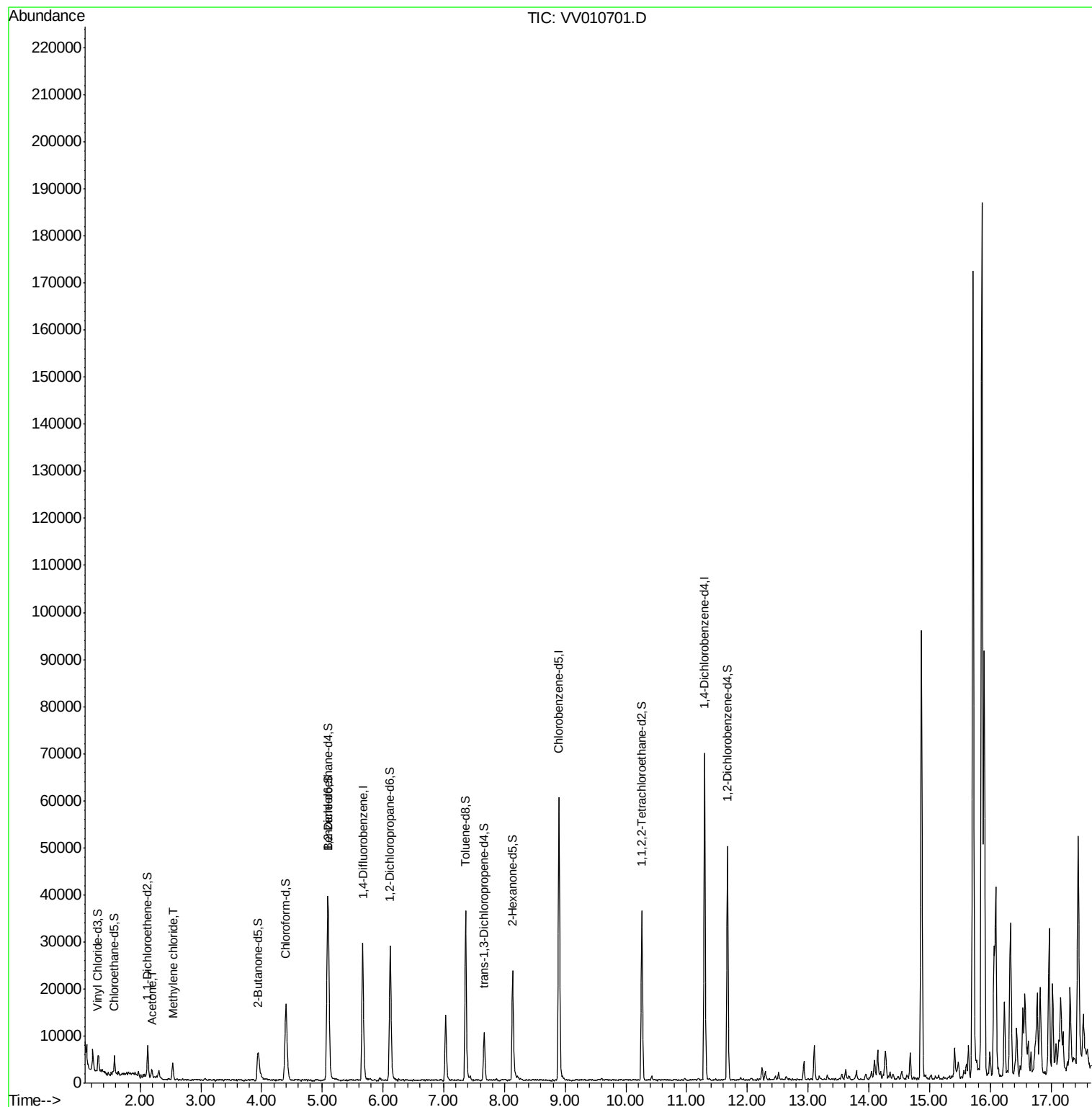
| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.20 | 43 | 1488 | 8.546 ug/L | 96     |
| 16) Methylene chloride | 2.54 | 84 | 1569 | 4.206 ug/L | 83     |

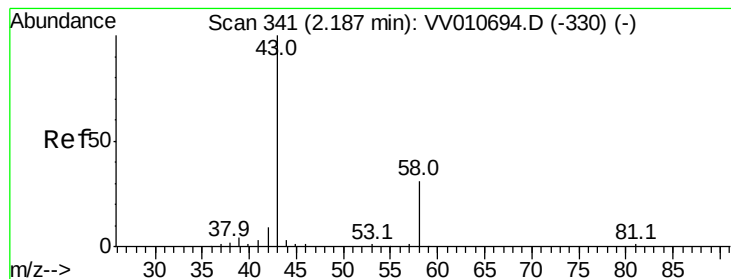
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050719S.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 08 03:02:12 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 8.546 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV010701.D

Acq: 07 May 2019 19:49

Instrument :

MSVOA\_V

ClientSampled :

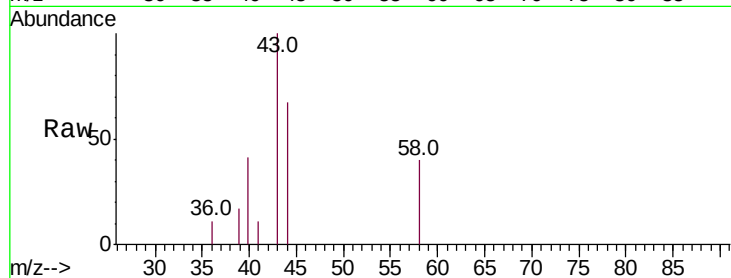
GAJA1

Tot Ion: 43 Resp: 1488

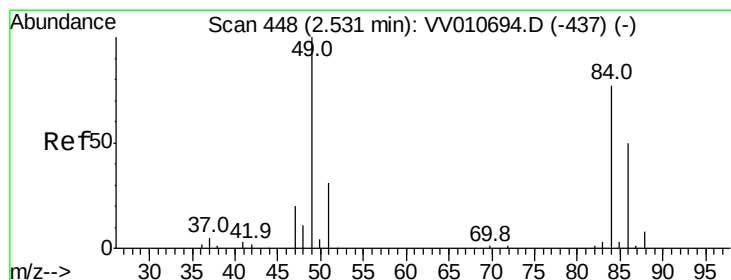
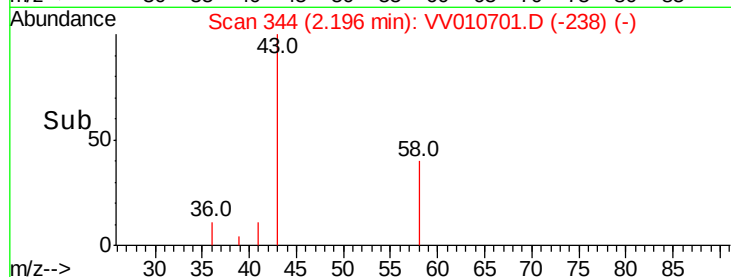
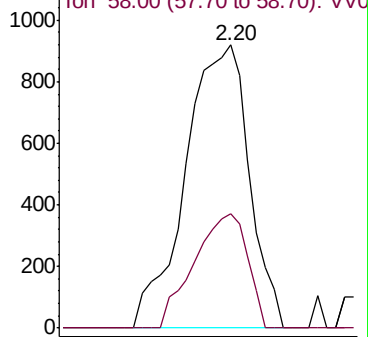
Ion Ratio Lower Upper

43 100

58 34.0 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010701.D (-344) (-)



#16

Methylene chloride

Concen: 4.206 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV010701.D

Acq: 07 May 2019 19:49

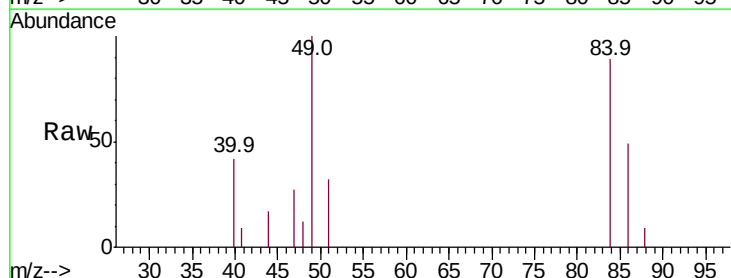
Tgt Ion: 84 Resp: 1569

Ion Ratio Lower Upper

84 100

49 112.2 92.9 172.5

86 54.6 46.5 86.5



Abundance Ion 84.00 (83.70 to 84.70): VV010701.D (-450) (-)

