

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040319\  
 Data File : VV010103.D  
 Acq On : 03 Apr 2019 20:41  
 Operator : SY/MD  
 Sample : K2148-14RE  
 Misc : 5.31G/10mL/MSVOA V/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5G1RE

Manual Integrations  
 APPROVED

MMDadoda  
 4/5/2019 10:40:46 AM

Quant Time: Apr 04 08:23:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 04 06:01:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 54632    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 51469    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 16398m   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 13074    | 17.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.52%   |
| 7) Chloroethane-d5             | 1.58   | 69    | 14524    | 15.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.96%   |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 27837    | 15.09    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.36%   |
| 20) 2-Butanone-d5              | 3.94   | 46    | 15218m   | 73.12    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 146.24%# |
| 24) Chloroform-d               | 4.40   | 84    | 34058    | 24.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 98.96%   |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 23721    | 30.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 123.24%  |
| 29) Benzene-d6                 | 5.10   | 84    | 67042    | 25.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 100.48%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 22911    | 29.09    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 116.36%  |
| 37) Toluene-d8                 | 7.36   | 98    | 56900    | 22.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.52%   |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 6839m    | 20.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.24%   |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 7715     | 48.84    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.68%   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 24710    | 31.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 127.24%# |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 16144    | 25.27    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.08%  |

| Target Compounds       |      |     |      |              | Ovalue |
|------------------------|------|-----|------|--------------|--------|
| 13) Acetone            | 2.19 | 43  | 6874 | 33.407 ug/L  | 91     |
| 16) Methylene chloride | 2.54 | 84  | 7990 | 8.324 ug/L   | 95     |
| 47) Tetrachloroethene  | 8.02 | 164 | 833  | 1.374 ug/L # | 74     |

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

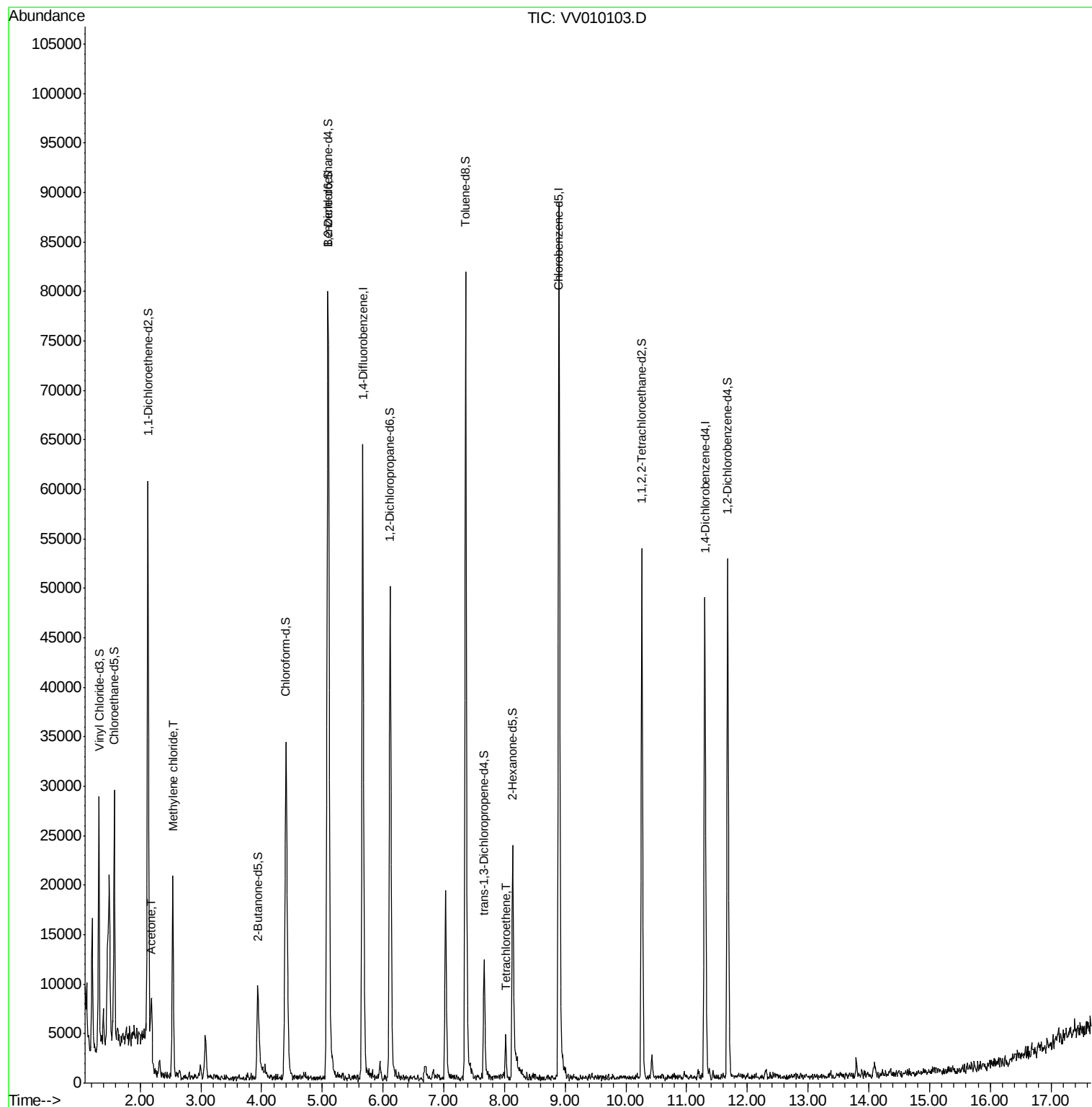
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040319\  
Data File : VV010103.D  
Acq On : 03 Apr 2019 20:41  
Operator : SY/MD  
Sample : K2148-14RE  
Misc : 5.31G/10mL/MSVOA V/SOIL  
ALS Vial : 11 Sample Multiplier: 1

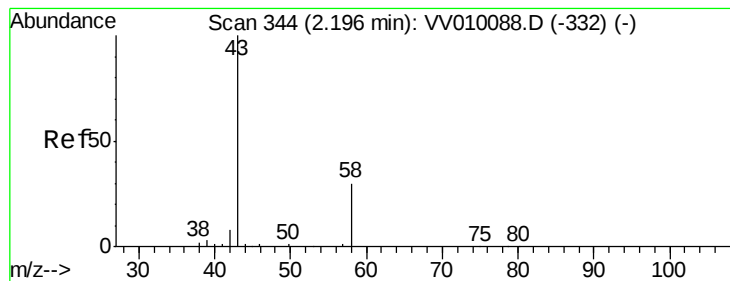
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Quant Title : VOC Analysis  
QLast Update : Thu Apr 04 06:01:11 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 33.407 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV010103.D

Acq: 03 Apr 2019 20:41

Instrument :

MSVOA\_V

ClientSampleId :

BF5G1RE

Tot Ion: 43 Resp: 6874

Ion Ratio Lower Upper

43 100

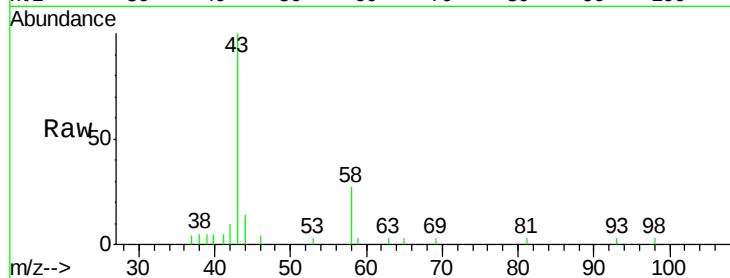
58 27.4 0.0 64.6

Manual Integrations

APPROVED

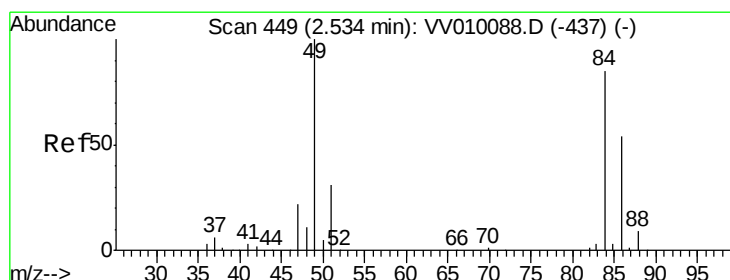
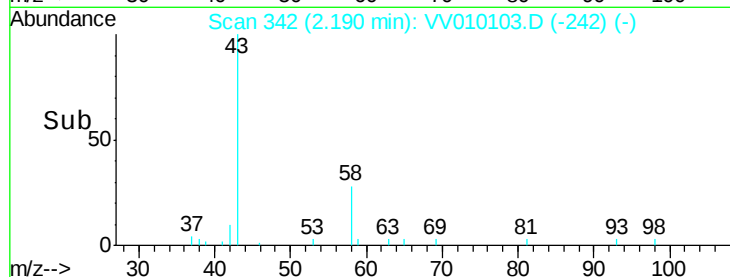
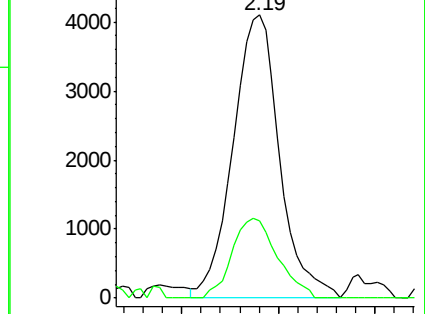
MMDadoda

4/5/2019 10:40:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VV010103.D (-242) (-)

Ion 58.00 (57.70 to 58.70): VV010103.D (-242) (-)



#16

Methylene chloride

Concen: 8.324 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010103.D

Acq: 03 Apr 2019 20:41

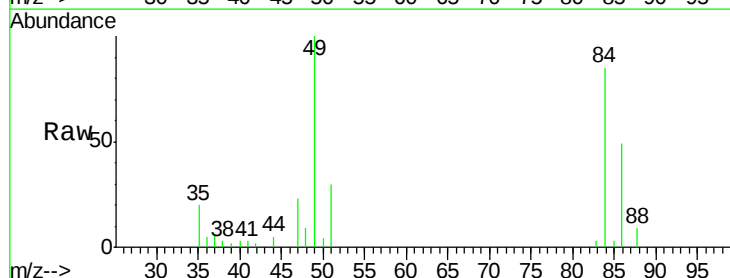
Tgt Ion: 84 Resp: 7990

Ion Ratio Lower Upper

84 100

49 117.3 84.3 156.5

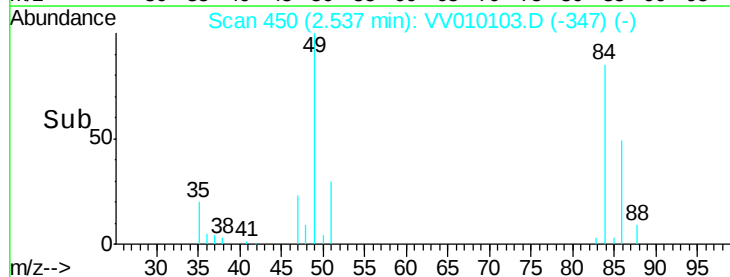
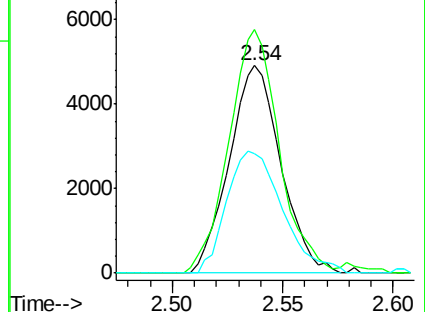
86 57.8 45.4 84.2

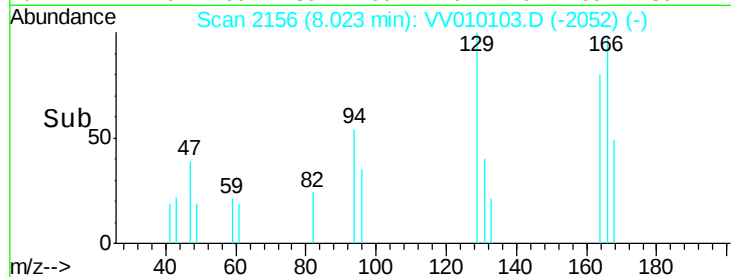
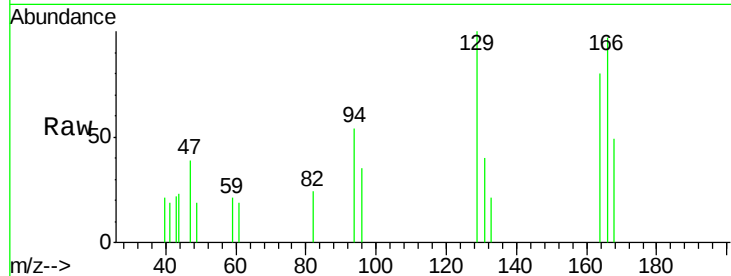
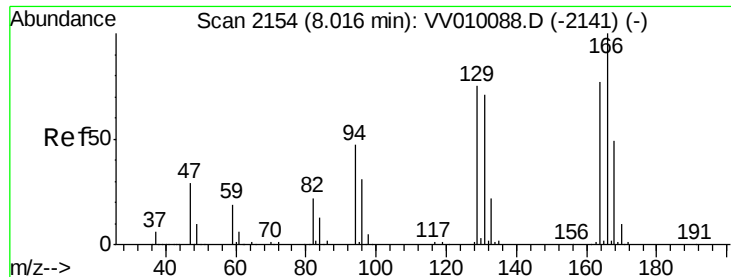


Abundance Ion 84.00 (83.70 to 84.70): VV010103.D (-347) (-)

Ion 49.00 (48.70 to 49.70): VV010103.D (-347) (-)

Ion 86.00 (85.70 to 86.70): VV010103.D (-347) (-)





#47

Tetrachloroethene

Concen: 1.374 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV010103.D

Acq: 03 Apr 2019 20:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 833    |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 129       | 125.7 | 67.8  | 125.8  |
| 131       | 49.7  | 65.2  | 121.0# |
| 166       | 121.4 | 93.8  | 174.2  |

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