

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092619\  
 Data File : VV012992.D  
 Acq On : 26 Sep 2019 11:46  
 Operator : SY/MD  
 Sample : K4988-12  
 Misc : 3.66G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESP00

Quant Time: Sep 27 02:50:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 27 02:13:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 719016   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 662036   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 256907   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 211489   | 18.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.84% |
| 7) Chloroethane-d5             | 1.58   | 69    | 191208   | 21.20    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.80% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 286529   | 15.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.76% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 132526   | 34.40    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.80% |
| 24) Chloroform-d               | 4.40   | 84    | 413398   | 20.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.72% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 242993   | 21.16    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.64% |
| 29) Benzene-d6                 | 5.10   | 84    | 849288   | 22.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.92% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 277360   | 23.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.76% |
| 37) Toluene-d8                 | 7.36   | 98    | 728601   | 21.71    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 86.84% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 101285   | 20.64    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.56% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 92829    | 39.82    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.64% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 213740   | 19.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 77.68% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 224363   | 22.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.92% |

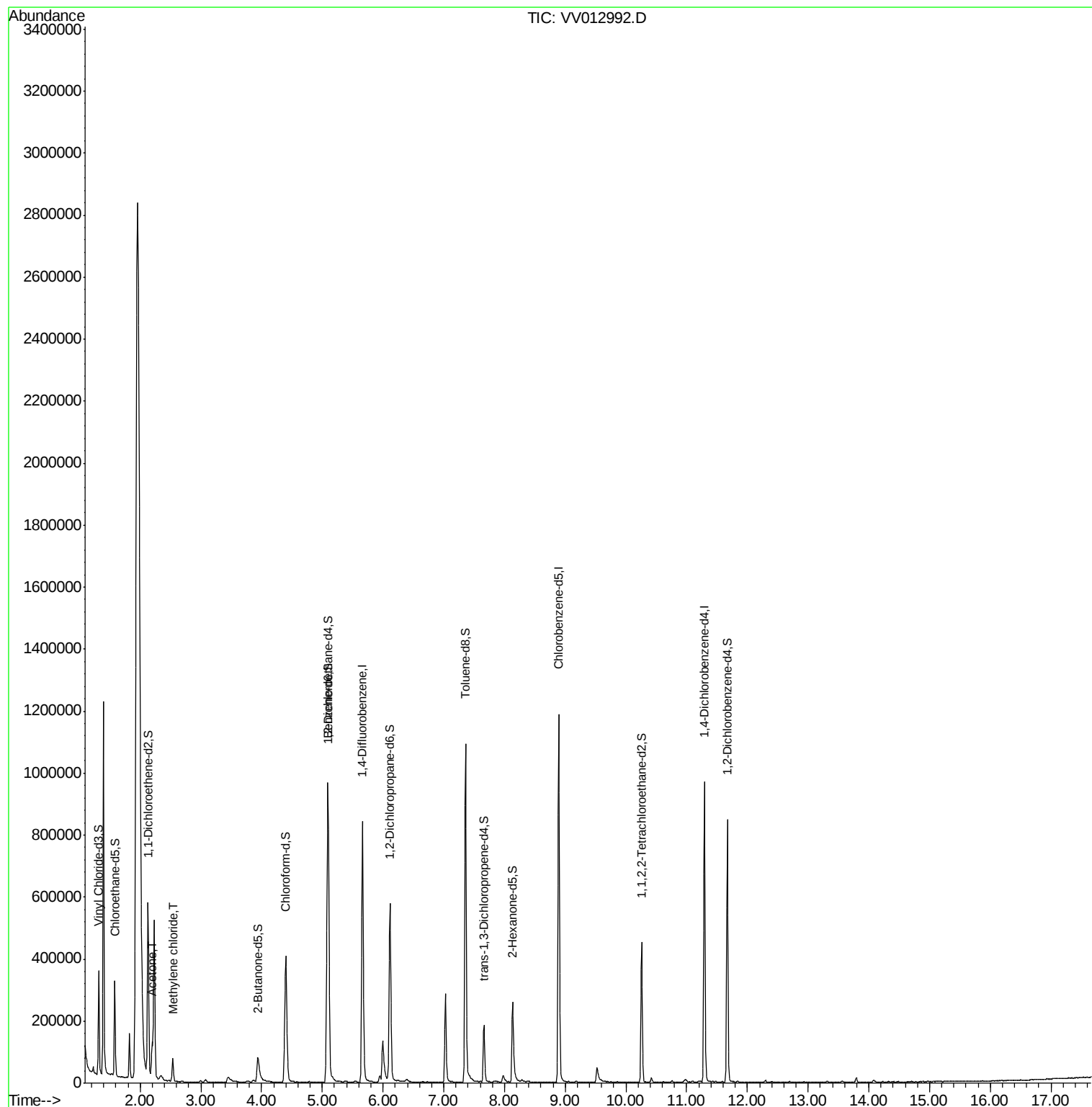
| Target Compounds       |      |    |        |             | Ovalue |
|------------------------|------|----|--------|-------------|--------|
| 13) Acetone            | 2.20 | 43 | 132444 | 32.349 ug/L | 87     |
| 16) Methylene chloride | 2.54 | 84 | 28925  | 2.691 ug/L  | 91     |

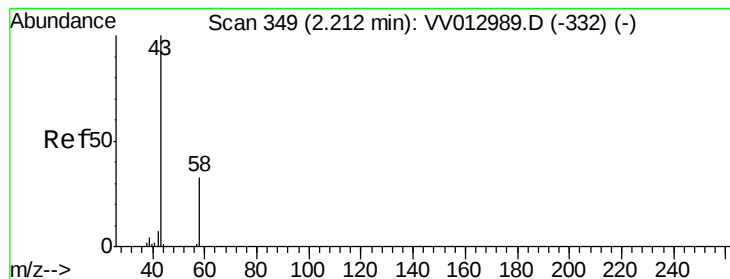
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Sep 27 02:13:48 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 32.349 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.02 min

Lab File: VV012992.D

Acq: 26 Sep 2019 11:46

Instrument :

MSVOA\_V

ClientSampleId :

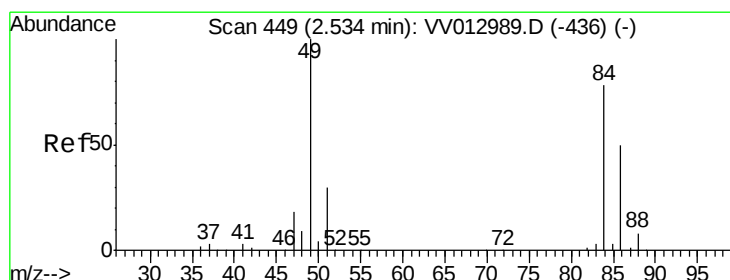
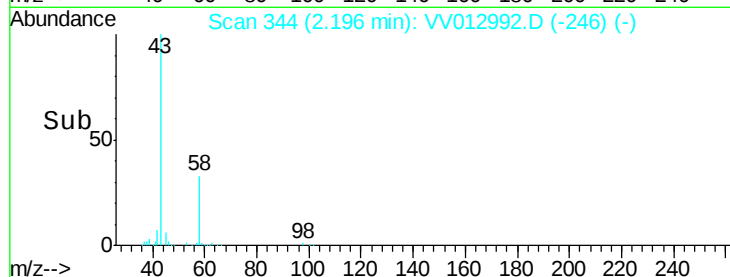
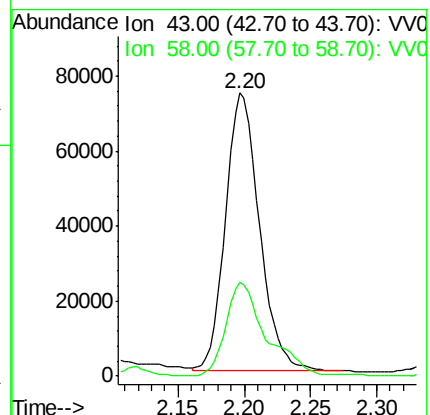
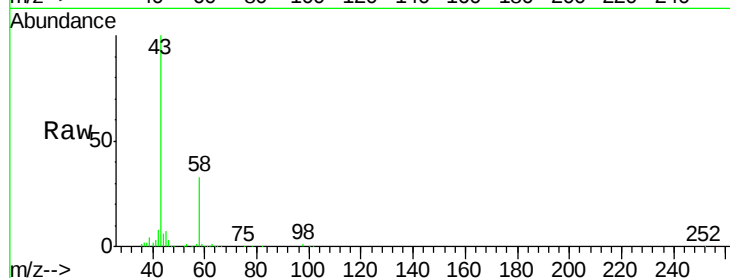
ESP00

Tot Ion: 43 Resp: 132444

Ion Ratio Lower Upper

43 100

58 39.7 0.0 65.0



#16

Methylene chloride

Concen: 2.691 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012992.D

Acq: 26 Sep 2019 11:46

Tgt Ion: 84 Resp: 28925

Ion Ratio Lower Upper

84 100

49 136.7 88.3 164.1

86 70.6 44.9 83.3

