

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100419\  
 Data File : VV013044.D  
 Acq On : 04 Oct 2019 13:18  
 Operator : SY/MD  
 Sample : K5202-06  
 Misc : 5.25G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 04 18:26:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 04 18:24:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 671333   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 643854   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 283189   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 203932   | 19.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.32% |
| 7) Chloroethane-d5             | 1.58   | 69    | 184034   | 21.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.40% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 280246   | 16.18    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 64.72% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 167824   | 46.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.32% |
| 24) Chloroform-d               | 4.40   | 84    | 424102   | 23.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.00% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 258897   | 24.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.60% |
| 29) Benzene-d6                 | 5.10   | 84    | 856931   | 23.84    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 95.36% |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 281365   | 24.97    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.88% |
| 37) Toluene-d8                 | 7.36   | 98    | 730287   | 22.38    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.52% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 105939   | 22.20    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 88.80% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 105952   | 46.73    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.46% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 260235   | 24.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 97.28% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 271456   | 24.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.68% |

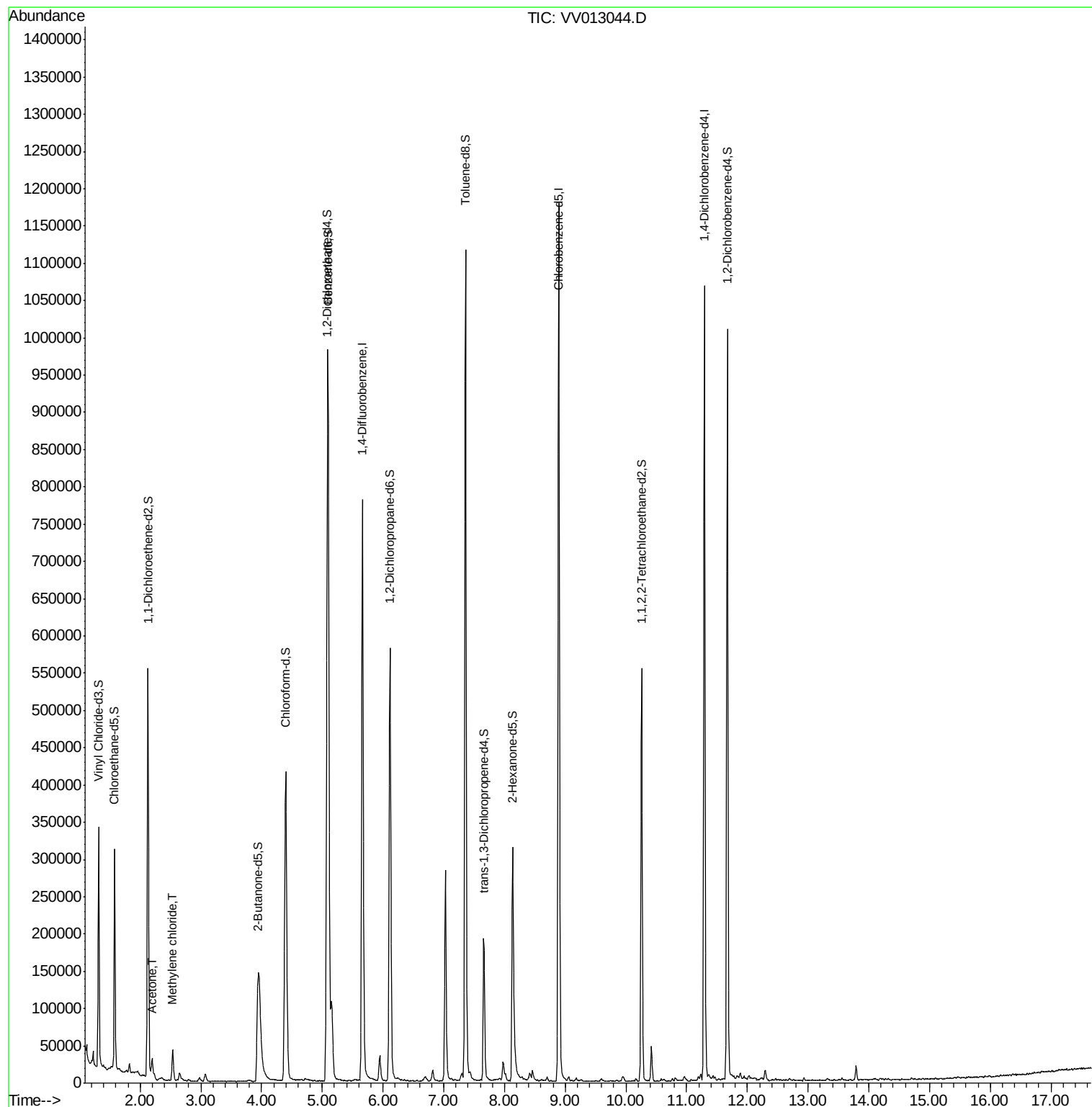
| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.20 | 43 | 24617 | 6.440 ug/L | 97     |
| 16) Methylene chloride | 2.53 | 84 | 16609 | 1.655 ug/L | 96     |

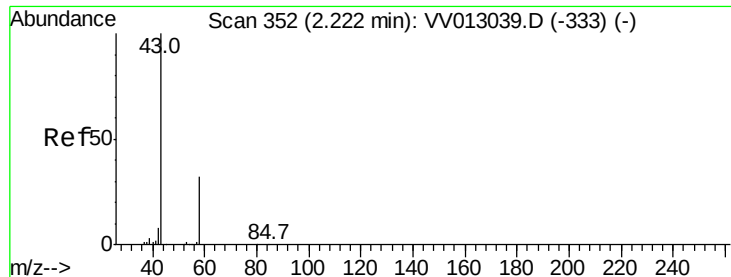
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Oct 04 18:24:09 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 6.440 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV013044.D

Acq: 04 Oct 2019 13:18

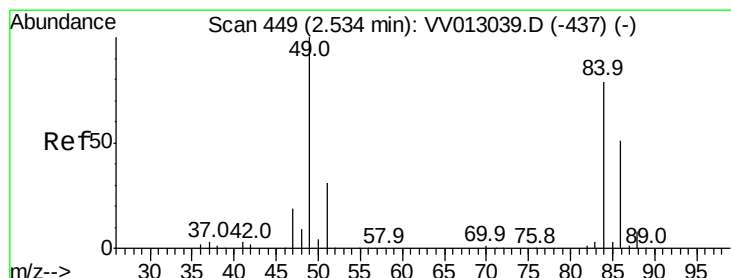
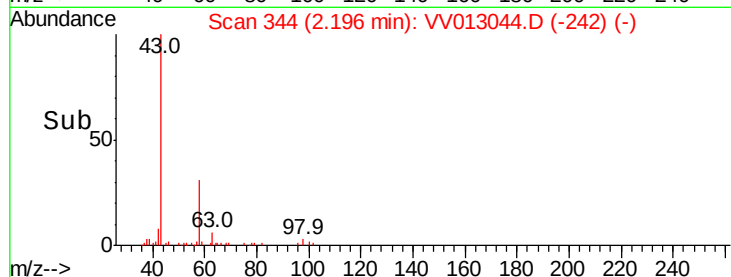
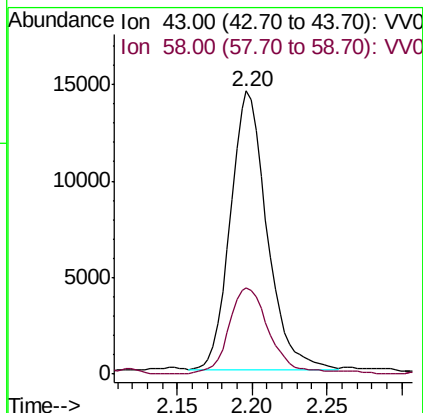
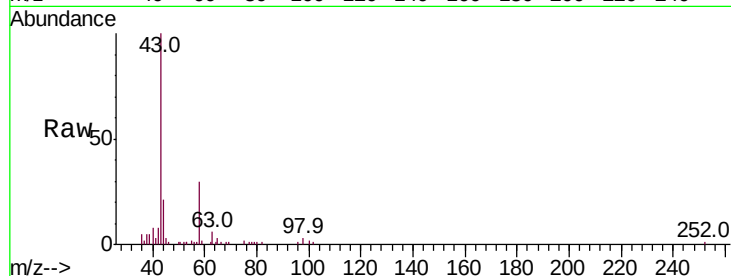
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 43 Resp: 24617

Ion Ratio Lower Upper

43 100

58 34.1 0.0 65.0



#16

Methylene chloride

Concen: 1.655 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV013044.D

Acq: 04 Oct 2019 13:18

Tgt Ion: 84 Resp: 16609

Ion Ratio Lower Upper

84 100

49 119.1 88.3 164.1

86 63.7 44.9 83.3

