

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121119\  
 Data File : VW014298.D  
 Acq On : 11 Dec 2019 12:34  
 Operator : SY/VA  
 Sample : VW1211SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 12 04:59:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 12 04:57:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1180199  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1068569  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 466521   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 428654   | 23.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.96%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 342557   | 25.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.12% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 611571   | 19.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 77.48%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 255798   | 54.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 109.86% |
| 24) Chloroform-d               | 7.64   | 84    | 807315   | 26.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 107.48% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 444699   | 28.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.92% |
| 29) Benzene-d6                 | 8.27   | 84    | 1706562  | 27.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 109.00% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 532994   | 27.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.64% |
| 37) Toluene-d8                 | 10.32  | 98    | 1513676  | 26.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 106.92% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 211028   | 26.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 104.44% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 201301   | 52.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.08% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 415308   | 26.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.80% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 502254   | 28.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 112.68% |

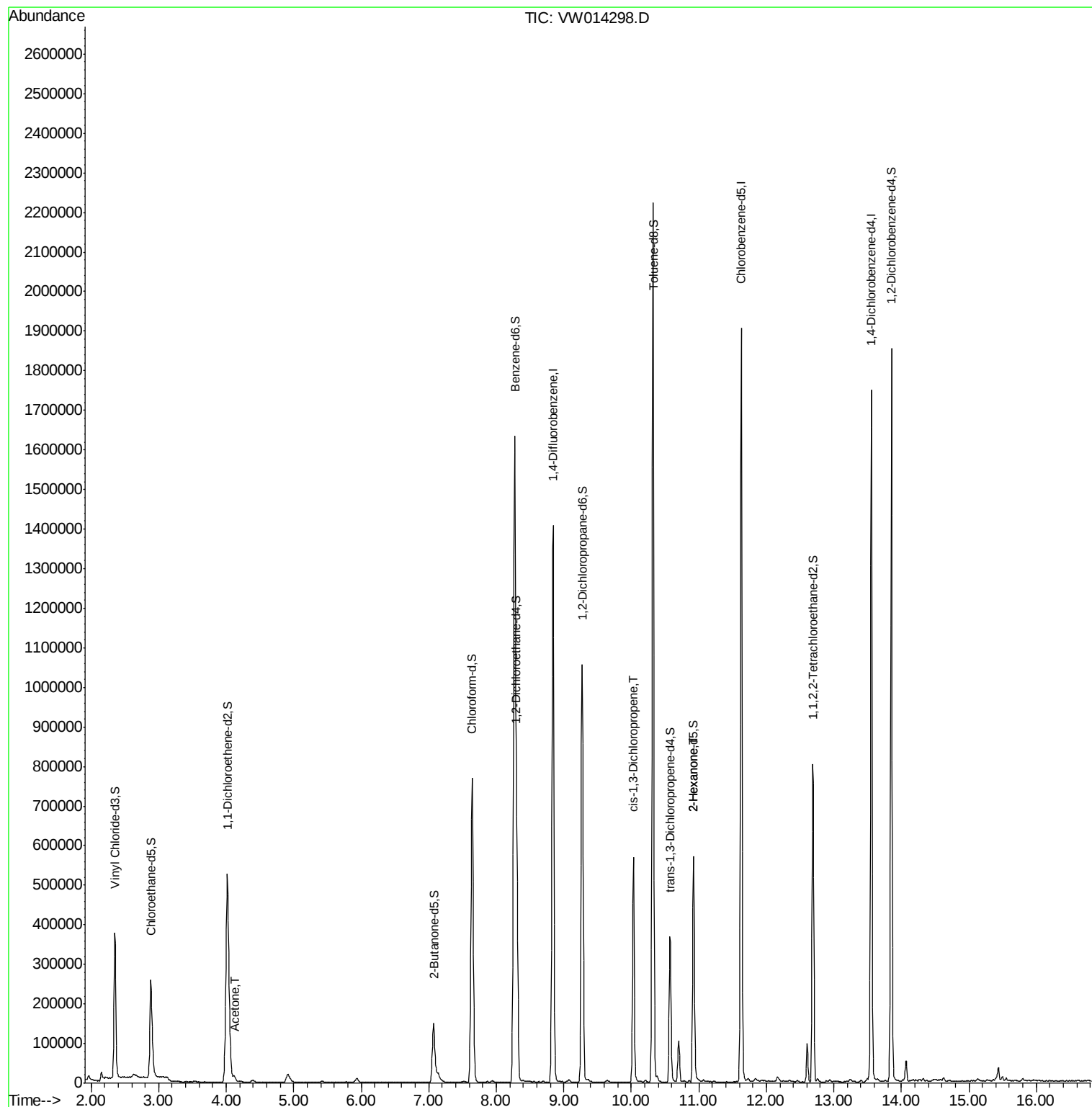
| Target Compounds            |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.13  | 43 | 19758 | 4.400 ug/L   | 75     |
| 42) cis-1,3-Dichloropropene | 10.03 | 75 | 12686 | 0.487 ug/L # | 63     |
| 49) 2-Hexanone              | 10.92 | 43 | 23901 | 2.929 ug/L # | 68     |

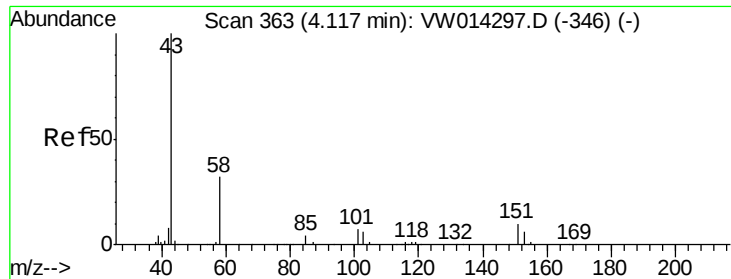
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Dec 12 04:57:07 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 4.400 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW014298.D

Acq: 11 Dec 2019 12:34

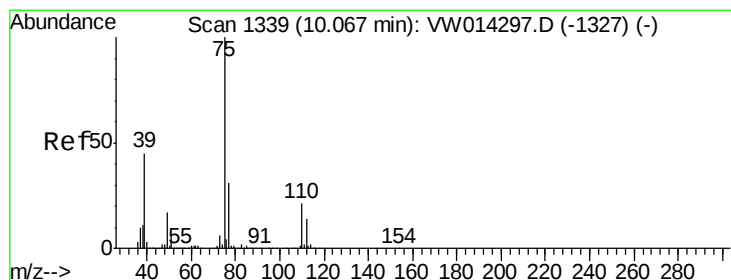
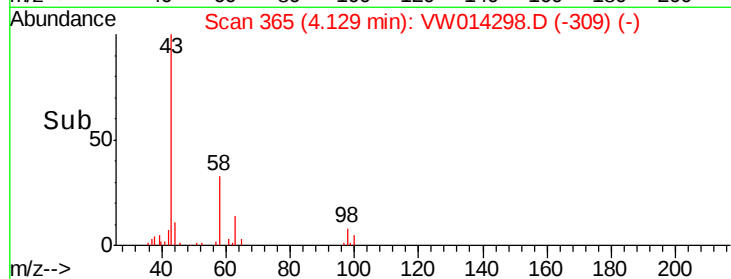
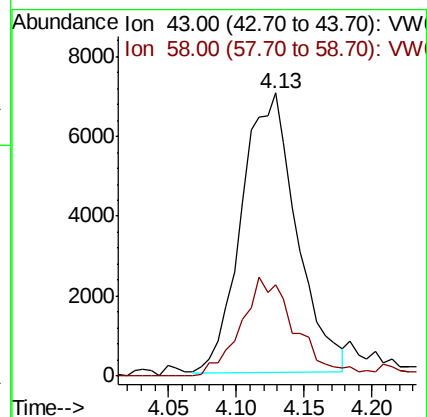
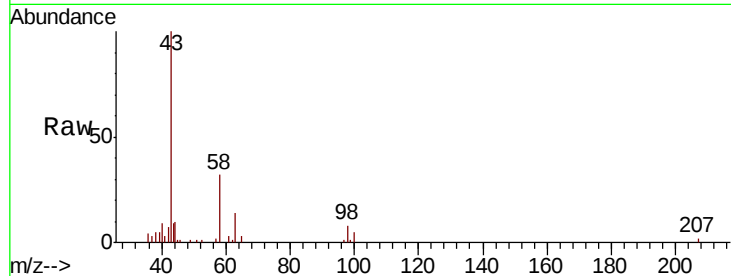
Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 43 Resp: 19758

Ion Ratio Lower Upper

43 100

58 18.5 0.0 65.4



#42

cis-1,3-Dichloropropene

Concen: 0.487 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014298.D

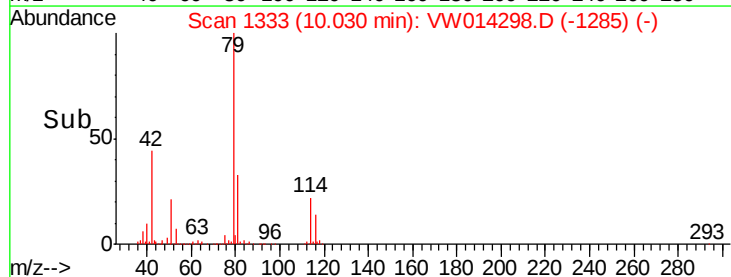
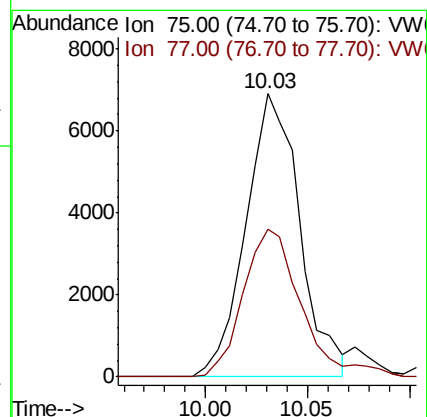
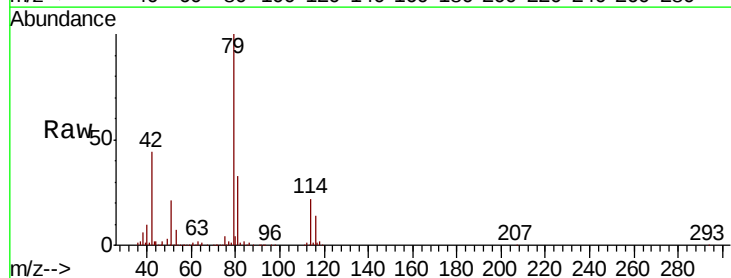
Acq: 11 Dec 2019 12:34

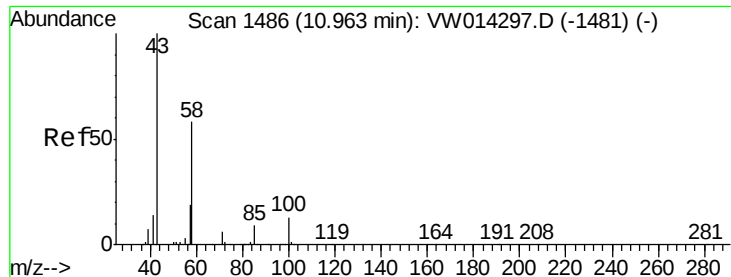
Tgt Ion: 75 Resp: 12686

Ion Ratio Lower Upper

75 100

77 52.3 22.1 41.1#





#49

2-Hexanone

Concen: 2.929 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.04 min

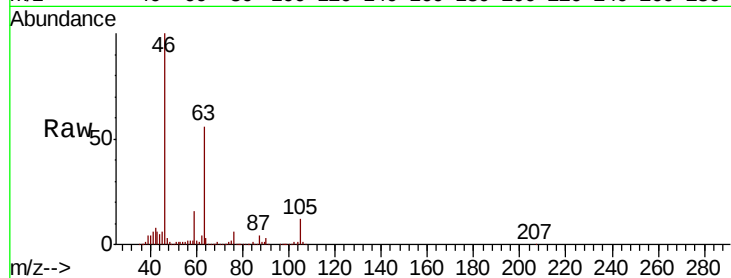
Lab File: VW014298.D

Acq: 11 Dec 2019 12:34

Instrument :

MSVOA\_W

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 23901 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.2  | 44.4  | 66.6# |
| 57       | 28.8  | 16.5  | 24.7# |
| 100      | 2.7   | 11.1  | 16.7# |

