

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121019\  
 Data File : VW014282.D  
 Acq On : 10 Dec 2019 15:23  
 Operator : SY/VA  
 Sample : K6171-17  
 Misc : 5.65G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 11 04:11:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 11 04:05:19 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1205726  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1044600  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 386943   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 430084   | 23.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.24%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 326527   | 24.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.20%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 580076   | 17.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.96%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 231011   | 48.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.10%  |
| 24) Chloroform-d               | 7.65   | 84    | 780022   | 25.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.64% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 428444   | 26.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 106.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 1619325  | 26.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 105.80% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 515471   | 27.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 109.48% |
| 37) Toluene-d8                 | 10.32  | 98    | 1408239  | 25.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.76% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 192285   | 24.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.32%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 180768   | 48.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 96.54%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 390161   | 25.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.68% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 406381   | 27.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 109.92% |

## Target Compounds

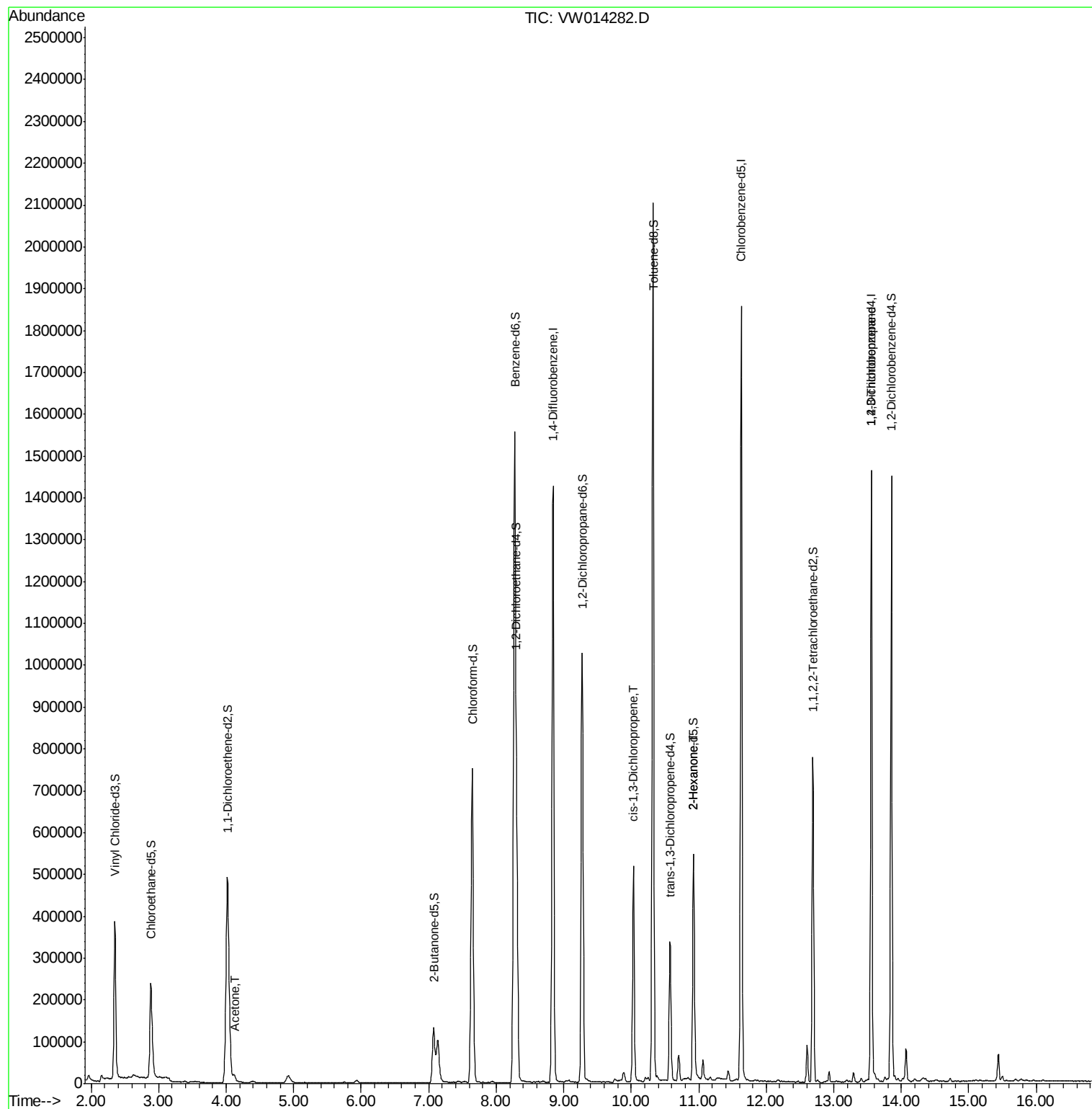
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.13  | 43 | 27335 | 5.959 ug/L   | 97     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 11271 | 0.443 ug/L # | 69     |
| 49) 2-Hexanone              | 10.92 | 43 | 24469 | 3.067 ug/L # | 64     |
| 59) 1,2,3-Trichloropropane  | 13.55 | 75 | 44282 | 3.771 ug/L   | 91     |

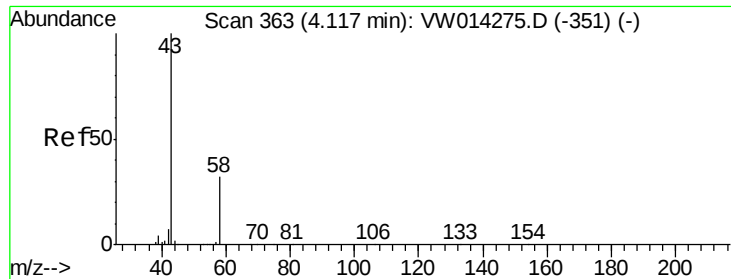
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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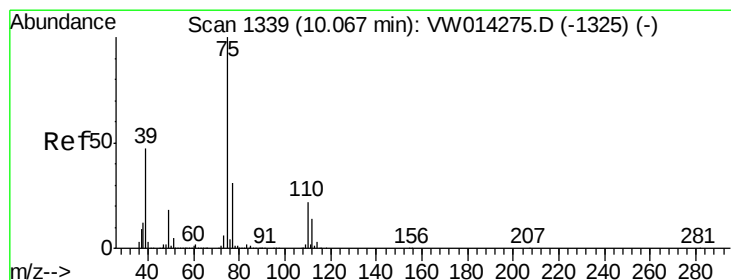
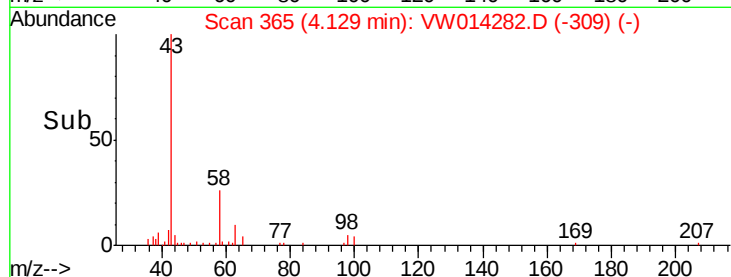
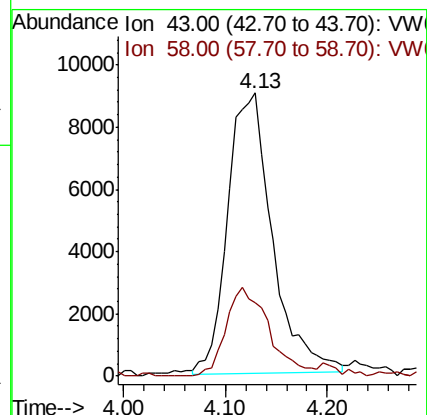
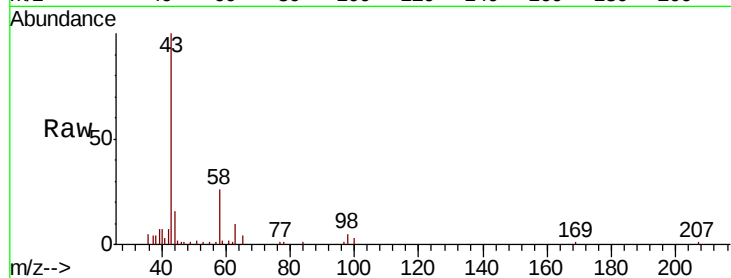




#13  
Acetone  
Concen: 5.959 ug/L  
RT: 4.13 min Scan# 365  
Delta R.T. 0.01 min  
Lab File: VW014282.D  
Acq: 10 Dec 2019 15:23

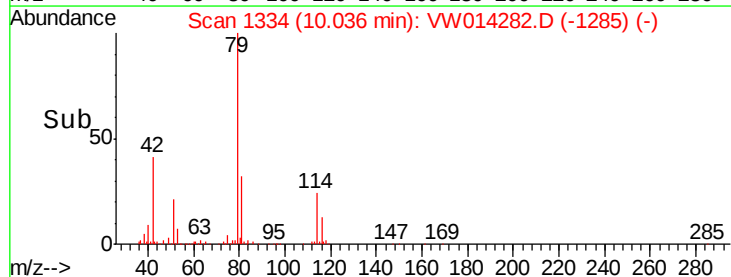
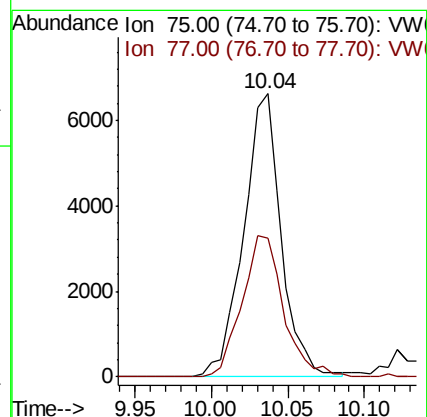
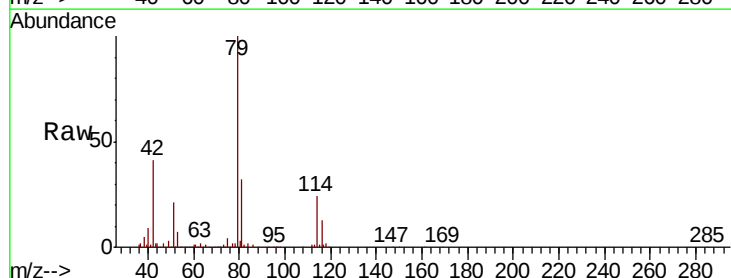
Instrument :  
MSVOA\_W  
ClientSampled :

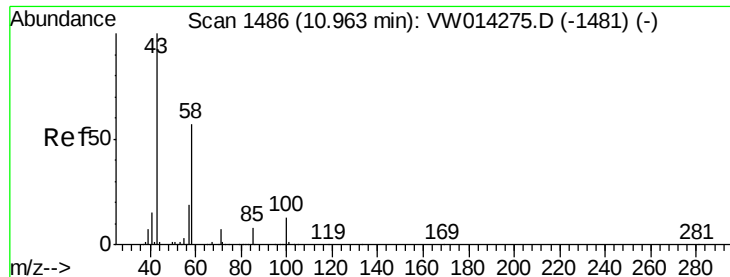
Tot Ion: 43 Resp: 27335  
Ion Ratio Lower Upper  
43 100  
58 30.8 0.0 65.4



#42  
cis-1,3-Dichloropropene  
Concen: 0.443 ug/L  
RT: 10.04 min Scan# 1334  
Delta R.T. -0.03 min  
Lab File: VW014282.D  
Acq: 10 Dec 2019 15:23

Tgt Ion: 75 Resp: 11271  
Ion Ratio Lower Upper  
75 100  
77 49.0 22.1 41.1#





#49

2-Hexanone

Concen: 3.067 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.04 min

Lab File: VW014282.D

Acq: 10 Dec 2019 15:23

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 43 Resp: 24469

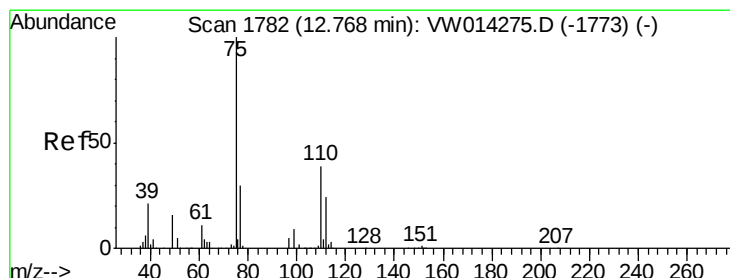
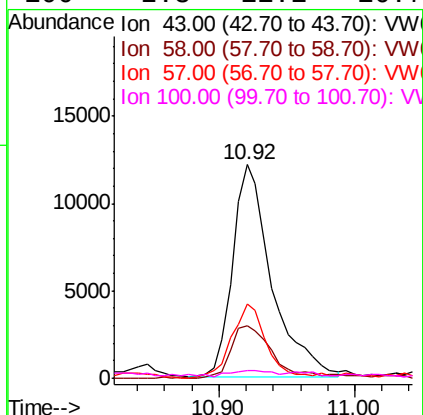
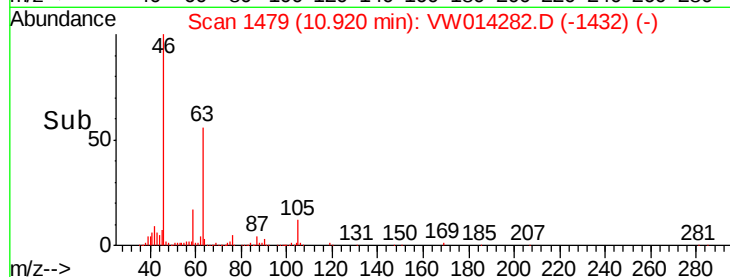
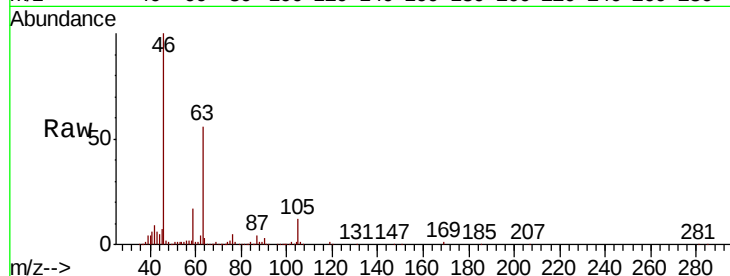
Ion Ratio Lower Upper

43 100

58 24.4 44.4 66.6#

57 30.8 16.5 24.7#

100 2.3 11.1 16.7#



#59

1,2,3-Trichloropropane

Concen: 3.771 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014282.D

Acq: 10 Dec 2019 15:23

Tgt Ion: 75 Resp: 44282

Ion Ratio Lower Upper

75 100

77 37.3 25.9 38.9

