

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121219\  
 Data File : VW014334.D  
 Acq On : 12 Dec 2019 18:48  
 Operator : SY/VA  
 Sample : K6254-08  
 Misc : 3.97G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0C27

Quant Time: Dec 13 06:11:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 13 06:08:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1123033  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 900033   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 299596   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 389006   | 22.87    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.48%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 317510   | 25.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.44%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 536292   | 17.85    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.40%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 211902   | 47.82    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 95.64%   |
| 24) Chloroform-d               | 7.64   | 84    | 732937   | 25.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 102.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 378061   | 25.22    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 100.88%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1566513  | 29.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 118.80%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 493761   | 30.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 121.72%# |
| 37) Toluene-d8                 | 10.32  | 98    | 1303546  | 27.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 109.32%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 162700   | 23.90    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.60%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 163325   | 50.61    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.22%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 335274   | 25.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.40%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 324329   | 28.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 113.32%  |

## Target Compounds

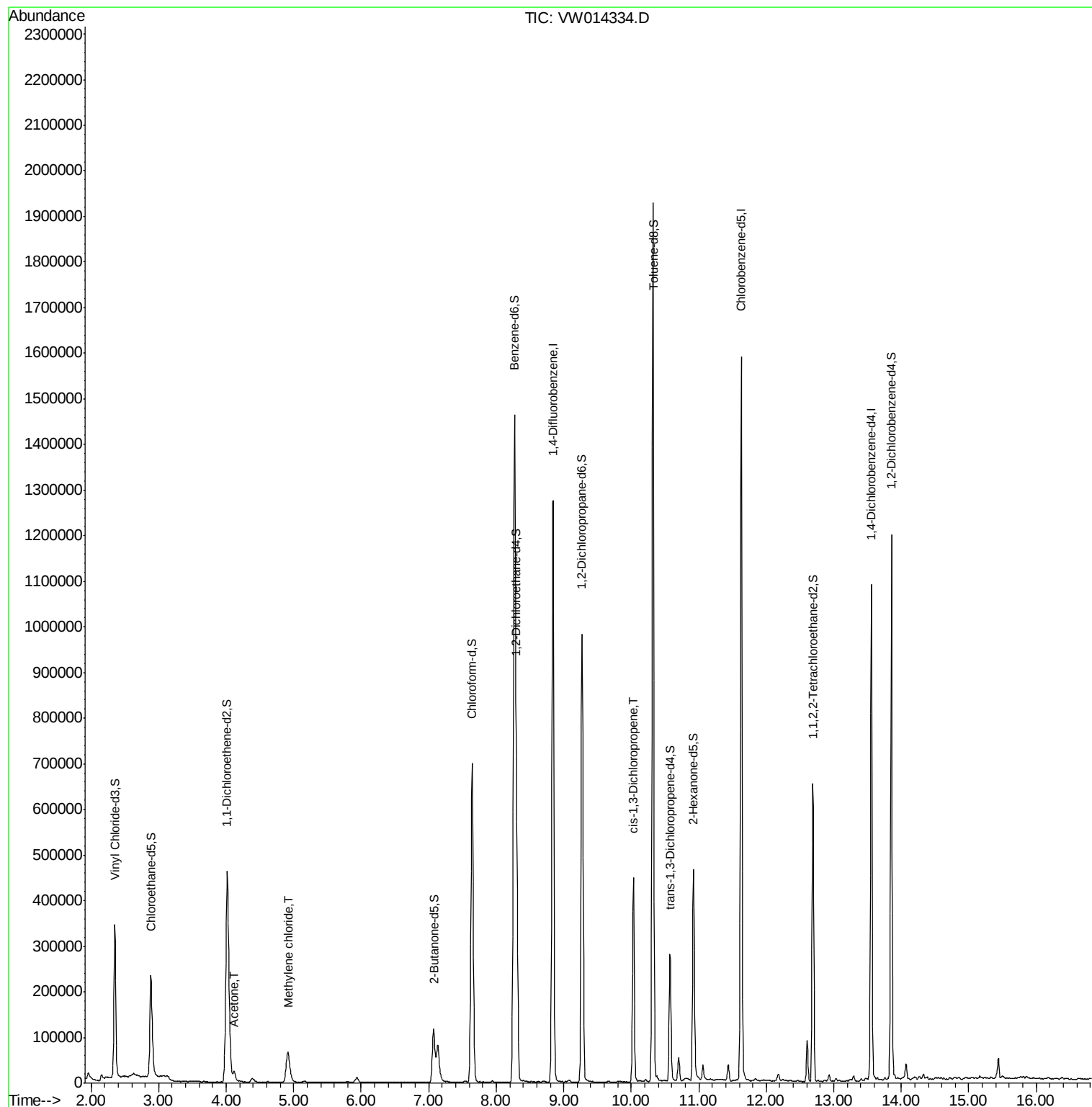
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.12  | 43 | 33717 | 7.891 ug/L   | 97     |
| 16) Methylene chloride      | 4.91  | 84 | 61817 | 3.591 ug/L   | 97     |
| 42) cis-1,3-Dichloropropene | 10.03 | 75 | 9970  | 0.455 ug/L # | 54     |

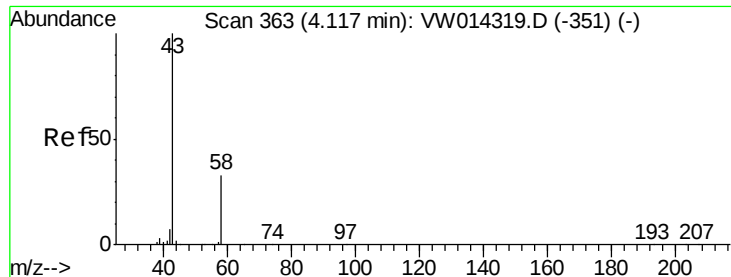
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 13 06:08:10 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 7.891 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014334.D

Acq: 12 Dec 2019 18:48

Instrument :

MSVOA\_W

ClientSampled :

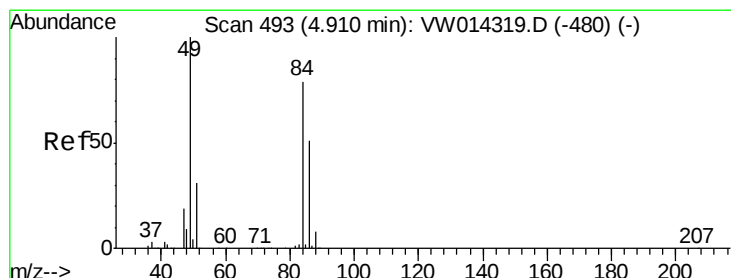
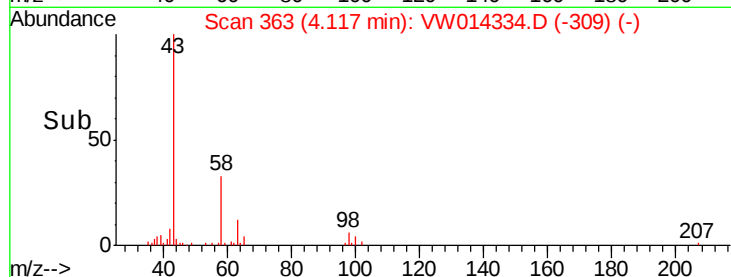
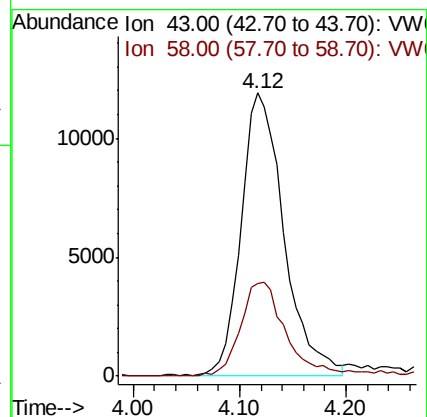
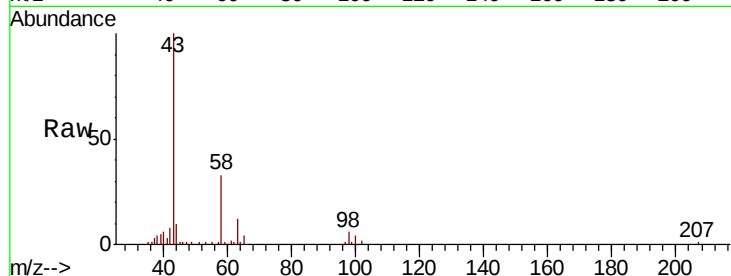
C0C27

Tot Ion: 43 Resp: 33717

Ion Ratio Lower Upper

43 100

58 34.4 0.0 65.4



#16

Methylene chloride

Concen: 3.591 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW014334.D

Acq: 12 Dec 2019 18:48

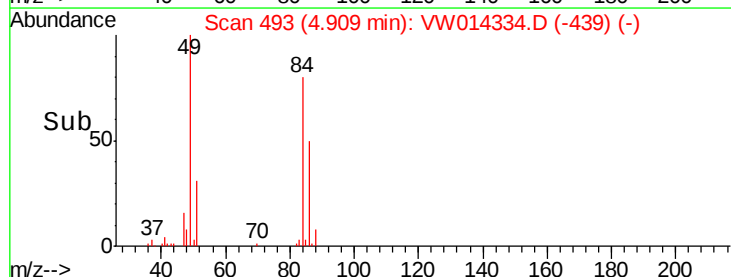
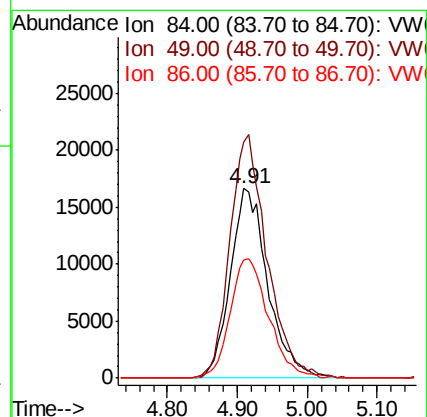
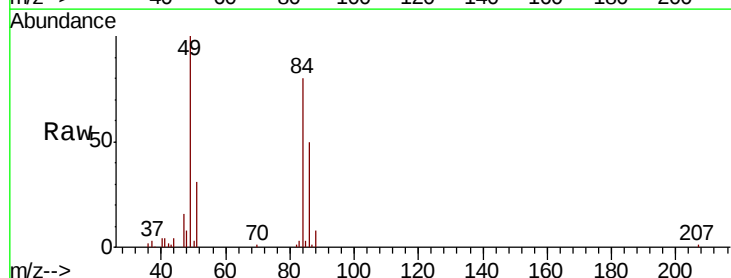
Tgt Ion: 84 Resp: 61817

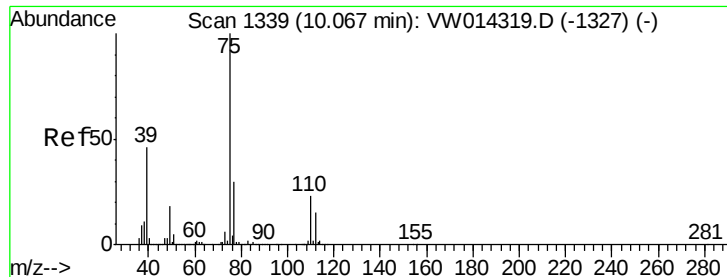
Ion Ratio Lower Upper

84 100

49 124.7 84.2 156.4

86 62.7 43.7 81.1





#42

cis-1,3-Dichloropropene

Concen: 0.455 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014334.D

Acq: 12 Dec 2019 18:48

Instrument :

MSVOA\_W

ClientSampleId :

C0C27

Tot Ion: 75 Resp: 9970

Ion Ratio Lower Upper

75 100

77 57.2 22.1 41.1#

