

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\  
 Data File : VW017561.D  
 Acq On : 04 Dec 2020 17:15  
 Operator : SY/VA  
 Sample : L4941-12  
 Misc : 4.74G/10ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 20 01:48:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Dec 20 01:44:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 607461   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 483107   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 159907   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 101654   | 12.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 50.88%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 90224    | 13.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 53.52%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 176977   | 9.95     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 39.80%# |
| 20) 2-Butanone-d5              | 7.08   | 46    | 49614    | 29.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 58.88%  |
| 24) Chloroform-d               | 7.65   | 84    | 266212   | 15.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 61.72%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 137671   | 16.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 65.04%# |
| 29) Benzene-d6                 | 8.27   | 84    | 502332   | 16.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 67.64%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 147762   | 17.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 71.92%  |
| 37) Toluene-d8                 | 10.33  | 98    | 430152   | 15.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 63.60%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 40354    | 10.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 43.96%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 25778    | 25.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 50.68%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 96009    | 16.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 64.92%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 91315    | 15.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 61.68%# |

## Target Compounds

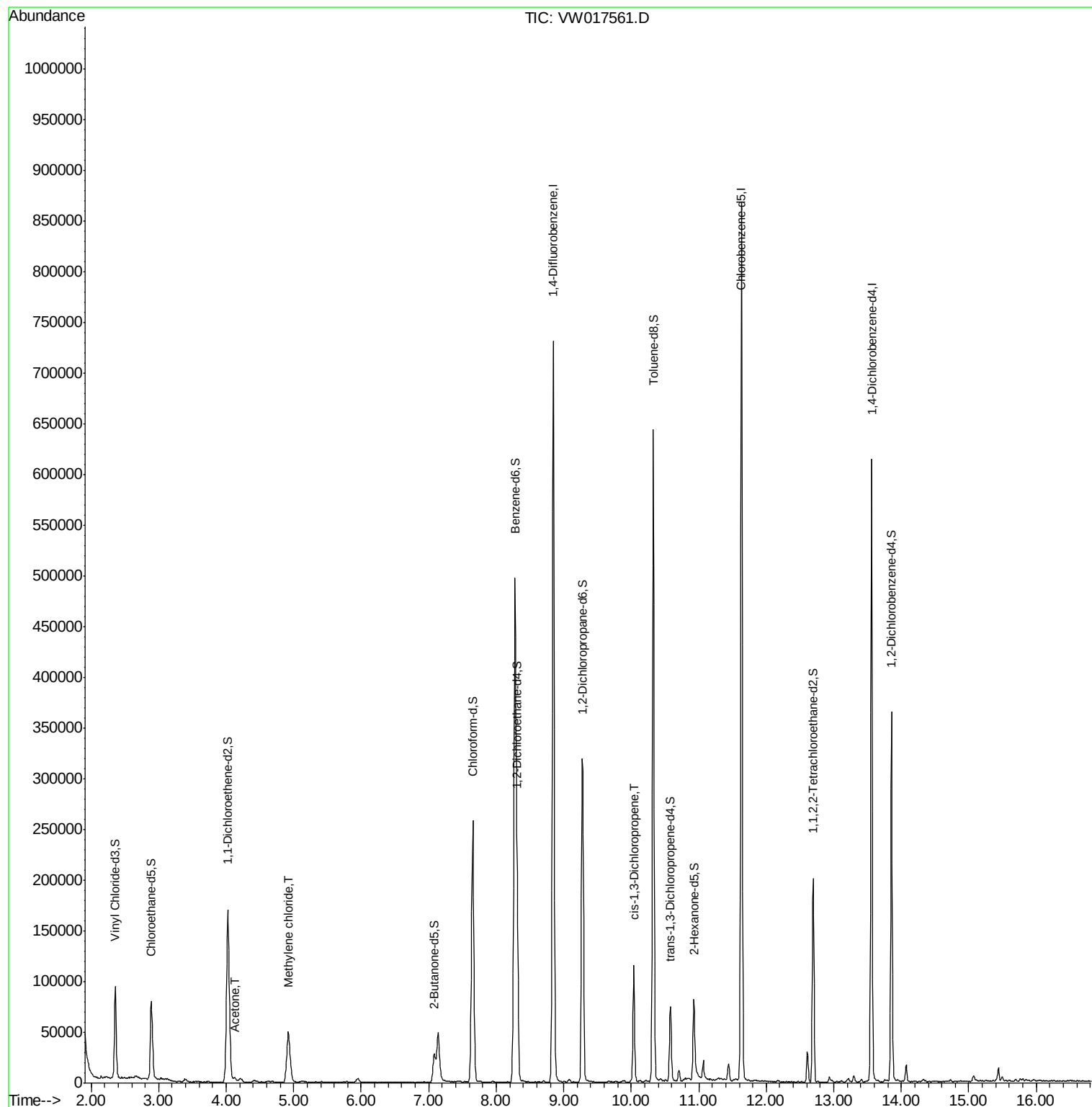
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.12  | 43 | 6952  | 4.287 ug/L   | 100    |
| 16) Methylene chloride      | 4.92  | 84 | 42252 | 4.633 ug/L   | 98     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3118  | 0.295 ug/L # | 54     |

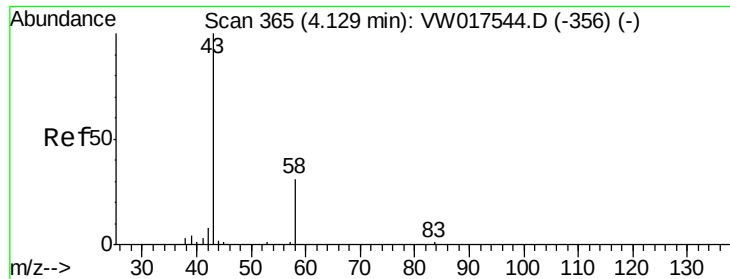
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.287 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017561.D

Acq: 04 Dec 2020 17:15

Instrument :

MSVOA\_W

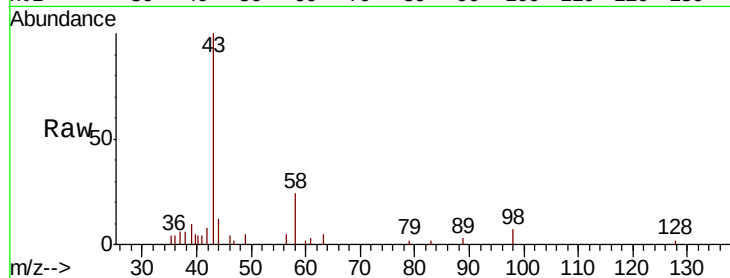
ClientSampleId :

Tot Ion: 43 Resp: 6952

Ion Ratio Lower Upper

43 100

58 34.2 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

2500

2000

1500

1000

500

0

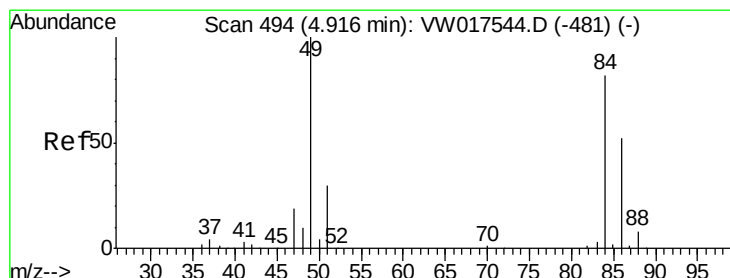
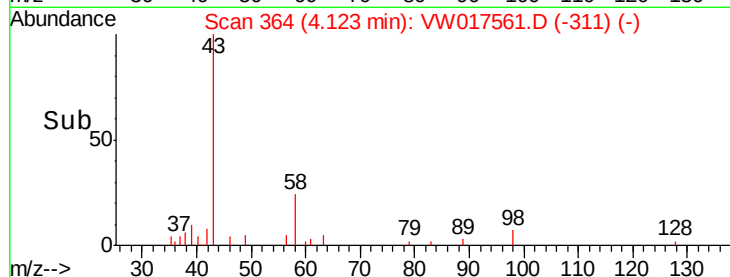
Time-->

4.05

4.10

4.15

4.20



#16

Methylene chloride

Concen: 4.633 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017561.D

Acq: 04 Dec 2020 17:15

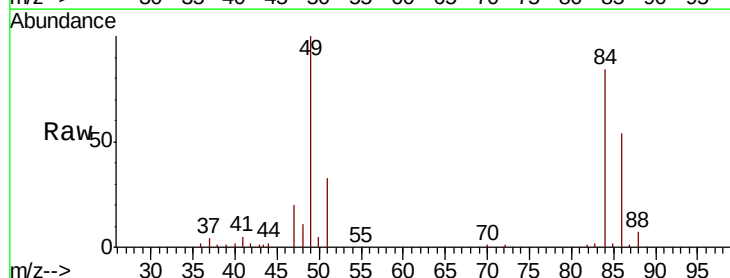
Tgt Ion: 84 Resp: 42252

Ion Ratio Lower Upper

84 100

49 119.3 81.2 150.8

86 64.7 44.5 82.7



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

4.92

20000

15000

10000

5000

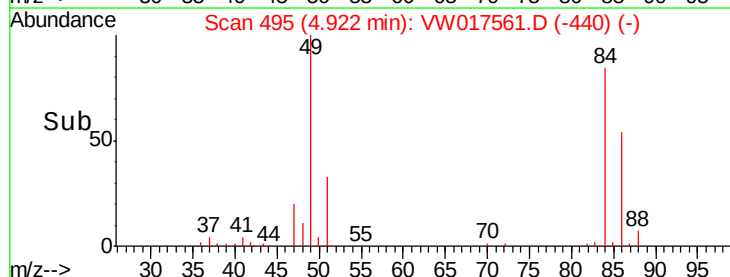
0

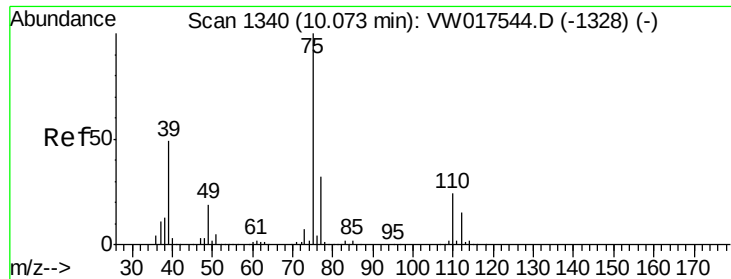
Time-->

4.80

4.90

5.00





#42

cis-1,3-Dichloropropene

Concen: 0.295 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017561.D

Acq: 04 Dec 2020 17:15

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 3118

Ion Ratio Lower Upper

75 100

77 58.2 22.7 42.3#

