

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\  
 Data File : VW016112.D  
 Acq On : 10 Aug 2020 20:17  
 Operator : SY/VA  
 Sample : L3598-15  
 Misc : 5.08G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 11 01:59:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 11 01:19:31 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 395081   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 373509   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 140070   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 112651   | 23.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.00%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 82137    | 22.09    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.36%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 177334   | 17.05    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.20%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 92804    | 72.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 144.00%# |
| 24) Chloroform-d               | 7.65   | 84    | 240288   | 22.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.64%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 148421   | 26.36    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.44%  |
| 29) Benzene-d6                 | 8.27   | 84    | 468103   | 23.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.16%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 141011   | 23.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.40%   |
| 37) Toluene-d8                 | 10.32  | 98    | 411761   | 22.10    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.40%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 65714    | 24.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.88%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 75356    | 73.11    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 146.22%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 143777   | 29.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 118.24%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 126465   | 25.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.88%  |

## Target Compounds

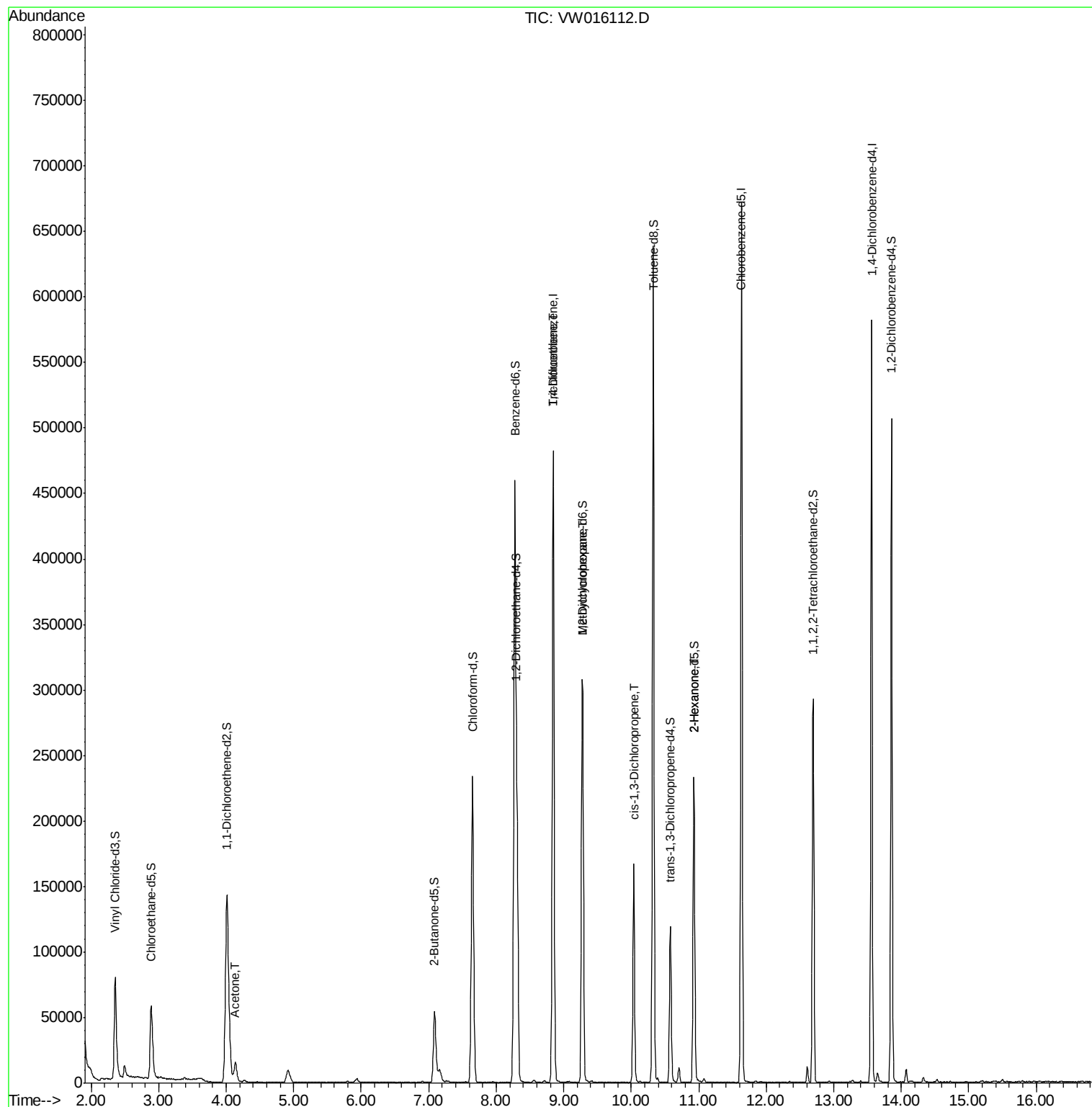
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.14  | 43 | 25783 | 26.443 ug/L  | 96     |
| 35) Trichloroethene         | 8.84  | 95 | 12301 | 2.124 ug/L # | 6      |
| 36) Methylcyclohexane       | 9.27  | 83 | 36785 | 3.856 ug/L # | 19     |
| 42) cis-1,3-Dichloropropene | 10.03 | 75 | 4333  | 0.538 ug/L # | 80     |
| 49) 2-Hexanone              | 10.93 | 43 | 9704  | 4.520 ug/L # | 67     |

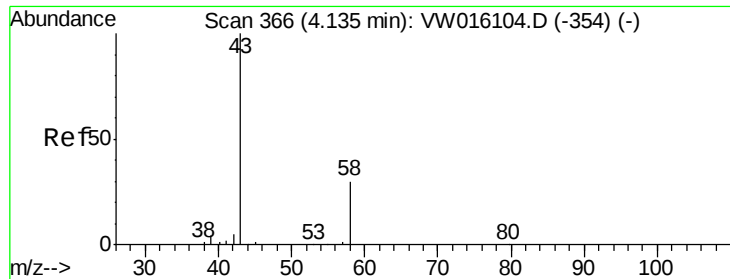
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : VOC Analysis  
QLast Update : Tue Aug 11 01:19:31 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 26.443 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW016112.D

Acq: 10 Aug 2020 20:17

Instrument :

MSVOA\_W

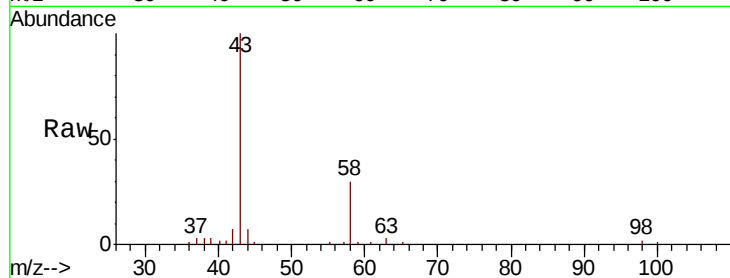
ClientSampleId :

Tot Ion: 43 Resp: 25783

Ion Ratio Lower Upper

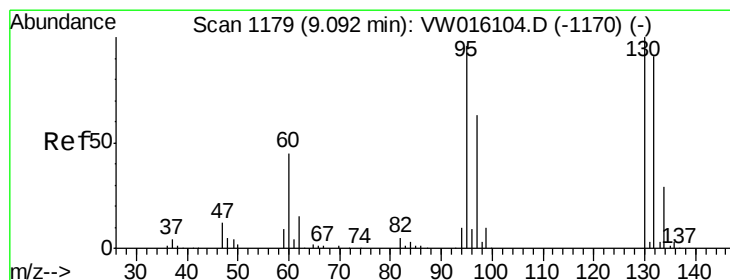
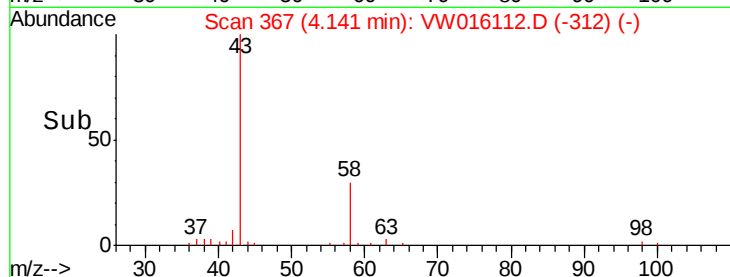
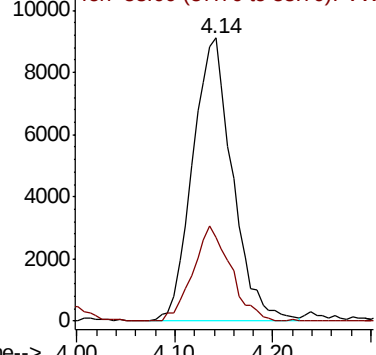
43 100

58 31.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#35

Trichloroethene

Concen: 2.124 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW016112.D

Acq: 10 Aug 2020 20:17

Tgt Ion: 95 Resp: 12301

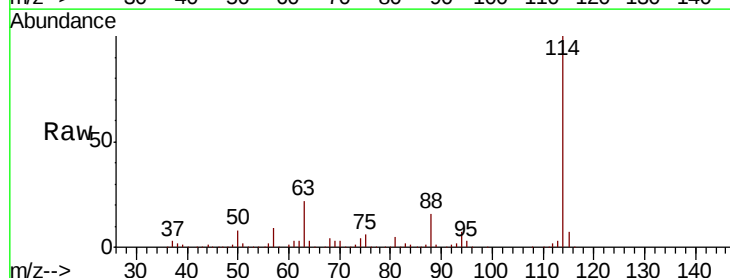
Ion Ratio Lower Upper

95 100

97 0.0 44.9 83.3#

132 0.0 65.8 122.2#

130 0.0 69.5 129.1#

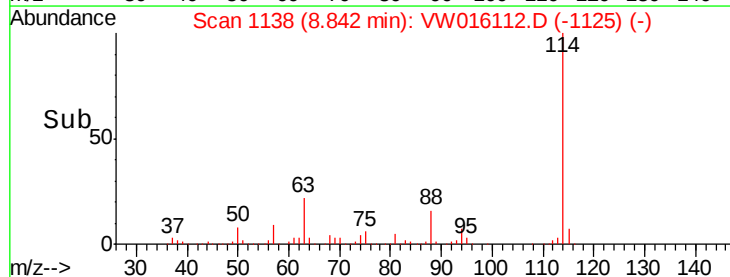
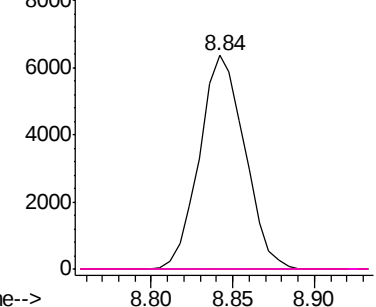


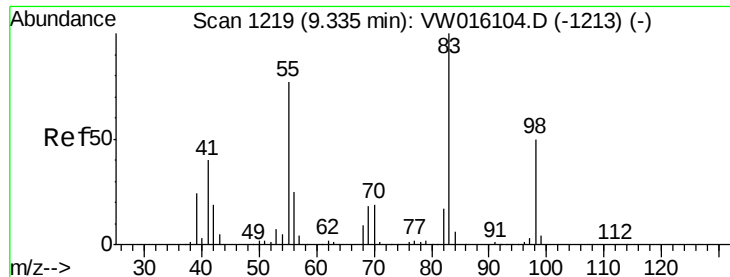
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

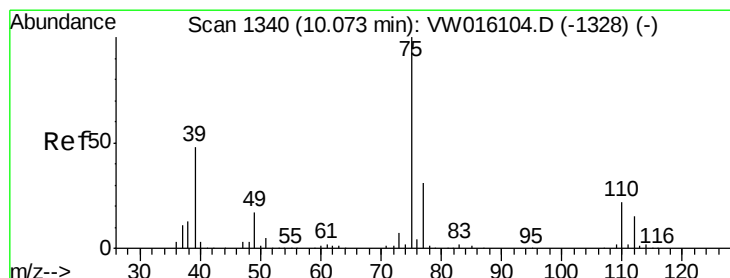
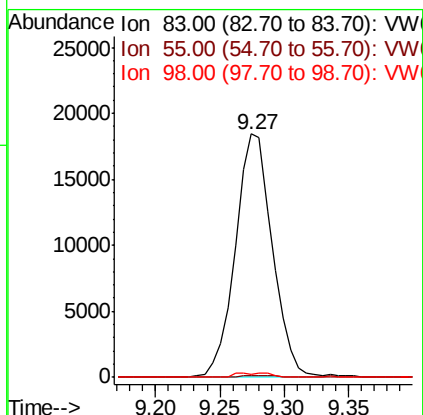
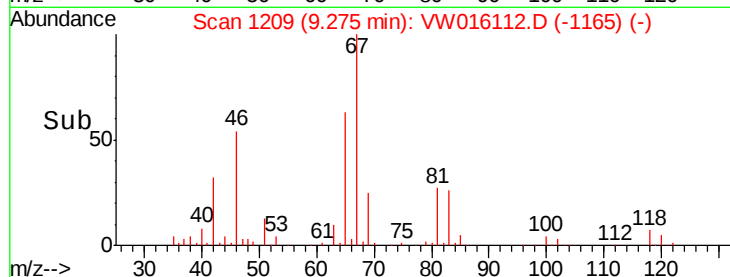
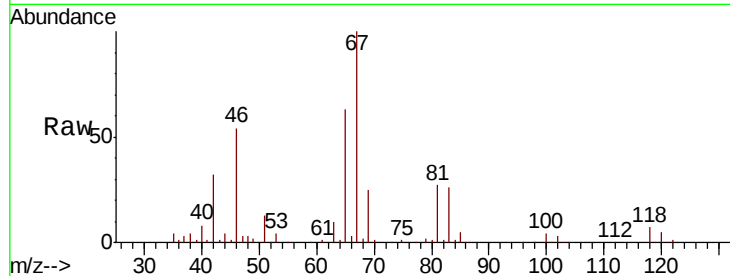




#36  
Methylcyclohexane  
Concen: 3.856 ug/L  
RT: 9.27 min Scan# 1209  
Delta R.T. -0.06 min  
Lab File: VW016112.D  
Acq: 10 Aug 2020 20:17

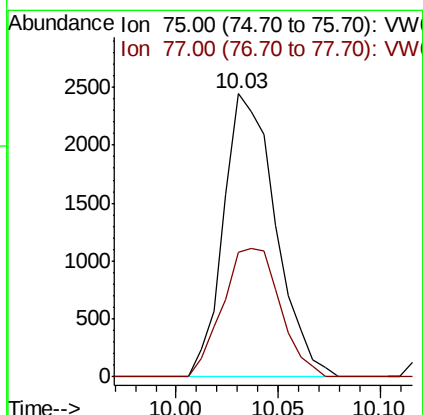
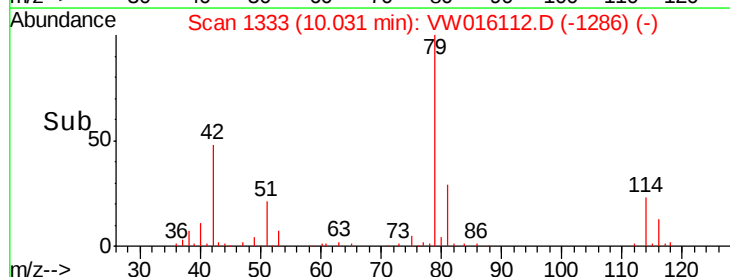
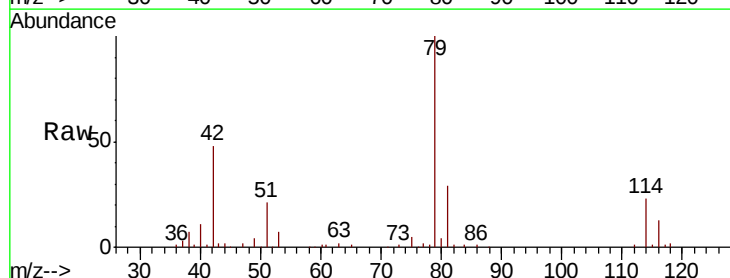
Instrument :  
MSVOA\_W  
ClientSampleId :

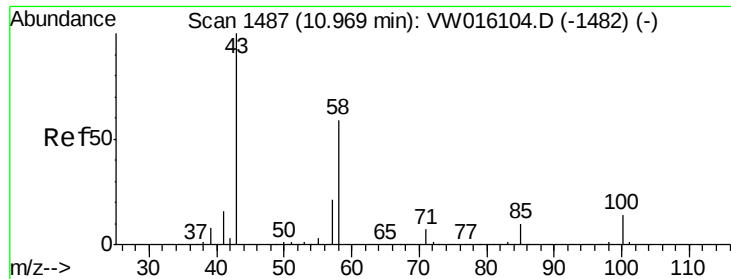
Tot Ion: 83 Resp: 36785  
Ion Ratio Lower Upper  
83 100  
55 0.5 60.7 91.1#  
98 0.7 39.4 59.0#



#42  
cis-1,3-Dichloropropene  
Concen: 0.538 ug/L  
RT: 10.03 min Scan# 1333  
Delta R.T. -0.04 min  
Lab File: VW016112.D  
Acq: 10 Aug 2020 20:17

Tgt Ion: 75 Resp: 4333  
Ion Ratio Lower Upper  
75 100  
77 44.2 22.9 42.5#





#49

2-Hexanone

Concen: 4.520 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

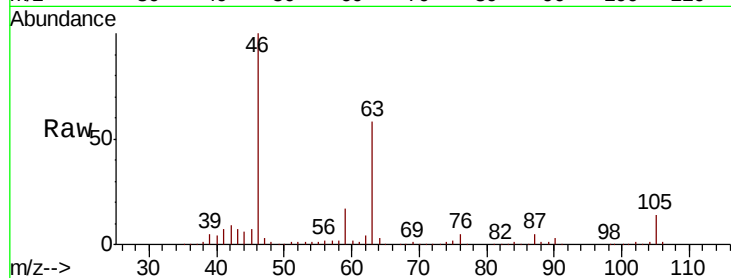
Lab File: VW016112.D

Acq: 10 Aug 2020 20:17

Instrument :

MSVOA\_W

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 9704  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.5  | 44.2  | 66.2# |
| 57       | 28.7  | 15.8  | 23.6# |
| 100      | 2.1   | 10.8  | 16.2# |

