

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061220\  
 Data File : VW015599.D  
 Acq On : 12 Jun 2020 12:02  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 13 00:24:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 13 00:17:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 321264   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 294427   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 133563   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 62936    | 21.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.52%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 69906    | 23.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.52%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 110517   | 15.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.64%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 48355    | 50.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.62% |
| 24) Chloroform-d               | 7.65   | 84    | 171067   | 23.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.12%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 101114   | 24.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 97.84%  |
| 29) Benzene-d6                 | 8.27   | 84    | 332619   | 23.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.16%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 103218   | 23.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.08%  |
| 37) Toluene-d8                 | 10.32  | 98    | 312040   | 22.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.92%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 38306    | 18.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 75.48%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 37367    | 49.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.38%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 77639    | 23.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.00%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 105581   | 23.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.36%  |

## Target Compounds

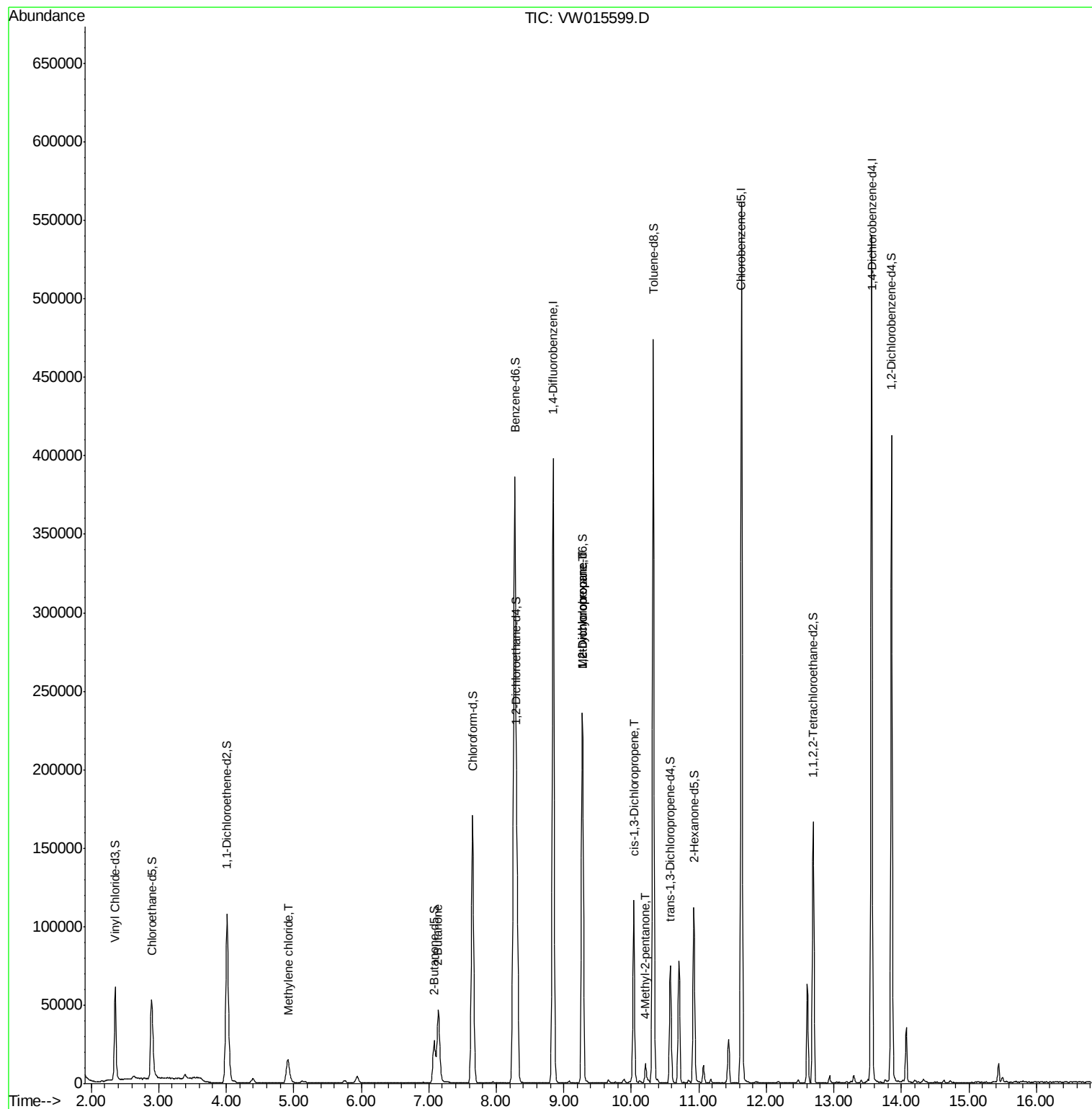
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 4.92  | 84 | 11683 | 2.963 ug/L   | 90     |
| 21) 2-Butanone              | 7.15  | 43 | 2534  | 2.220 ug/L # | 72     |
| 36) Methylcyclohexane       | 9.27  | 83 | 25475 | 3.230 ug/L # | 19     |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 12576 | 3.102 ug/L # | 85     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3190  | 0.492 ug/L # | 77     |
| 43) 4-Methyl-2-pentanone    | 10.21 | 43 | 8398  | 3.533 ug/L   | 98     |

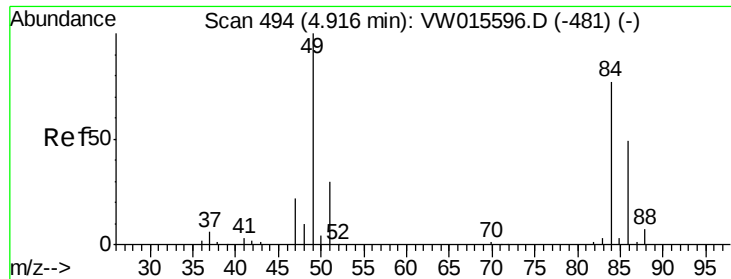
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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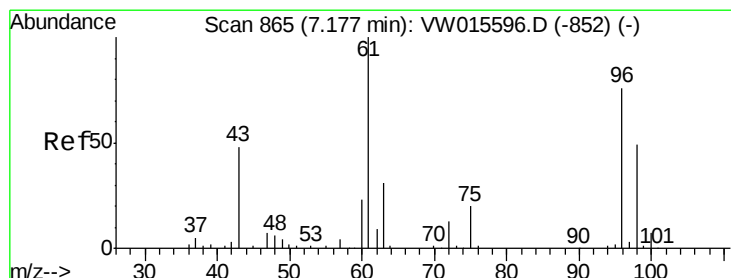
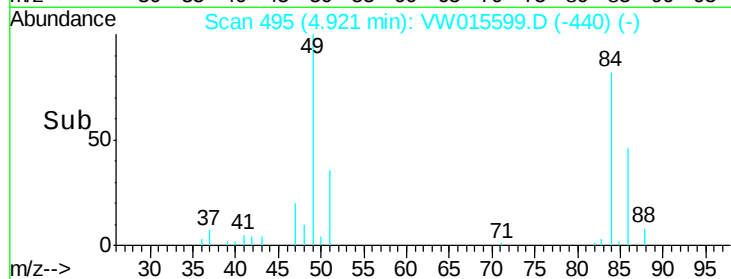
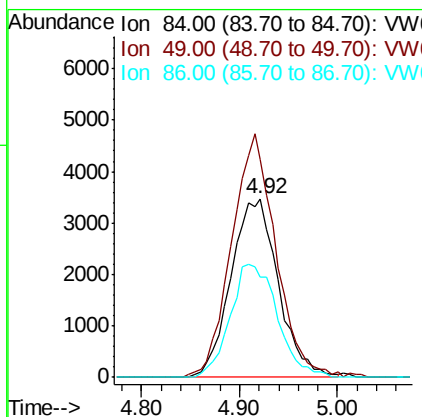
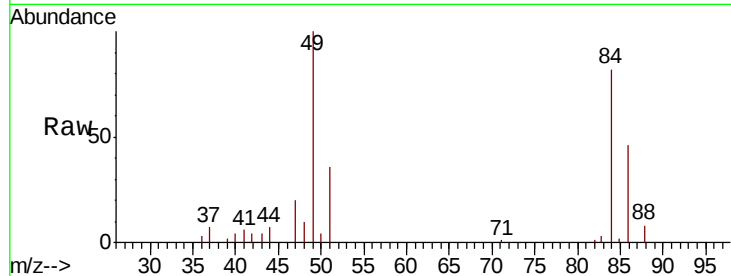




#16  
Methylene chloride  
Concen: 2.963 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW015599.D  
Acq: 12 Jun 2020 12:02

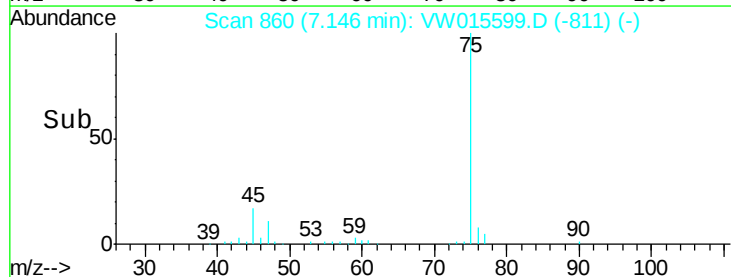
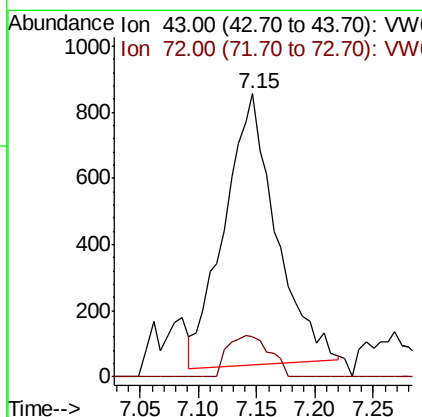
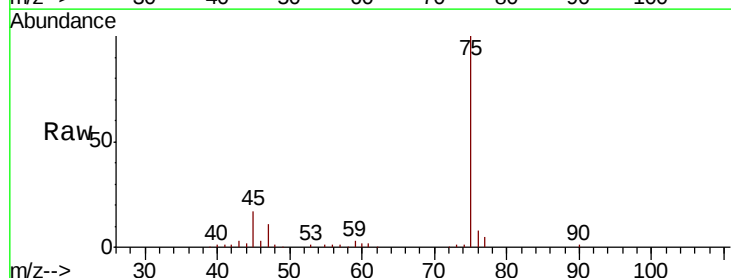
Instrument :  
MSVOA\_W  
ClientSampleId :

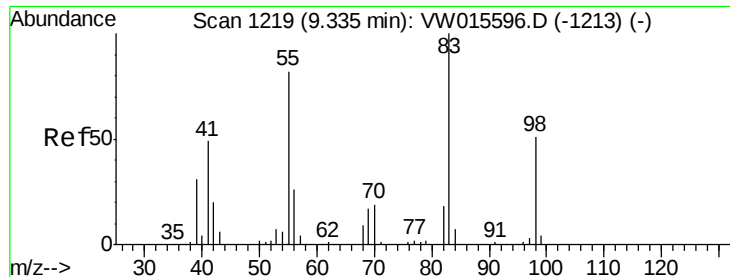
Tot Ion: 84 Resp: 11683  
Ion Ratio Lower Upper  
84 100  
49 121.7 93.0 172.8  
86 56.3 44.7 83.1



#21  
2-Butanone  
Concen: 2.220 ug/L  
RT: 7.15 min Scan# 860  
Delta R.T. -0.03 min  
Lab File: VW015599.D  
Acq: 12 Jun 2020 12:02

Tgt Ion: 43 Resp: 2534  
Ion Ratio Lower Upper  
43 100  
72 12.4 13.3 39.9#

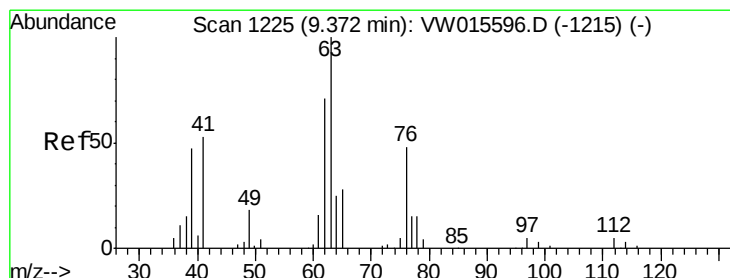
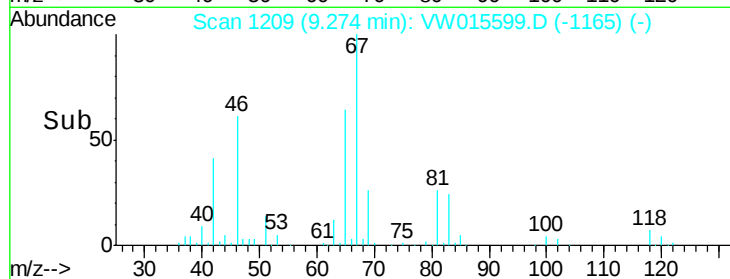
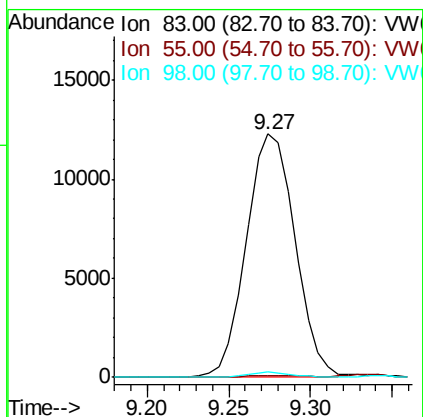
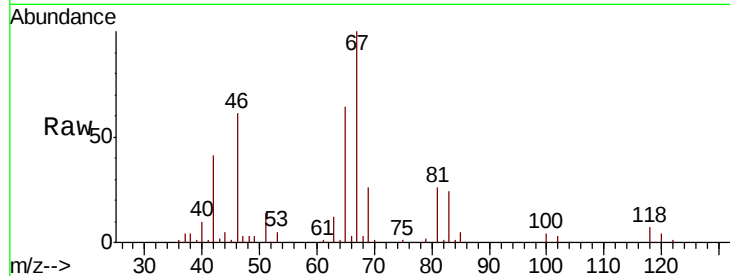




#36  
Methvlcvclohexane  
Concen: 3.230 ug/L  
RT: 9.27 min Scan# 1209  
Delta R.T. -0.06 min  
Lab File: VW015599.D  
Acq: 12 Jun 2020 12:02

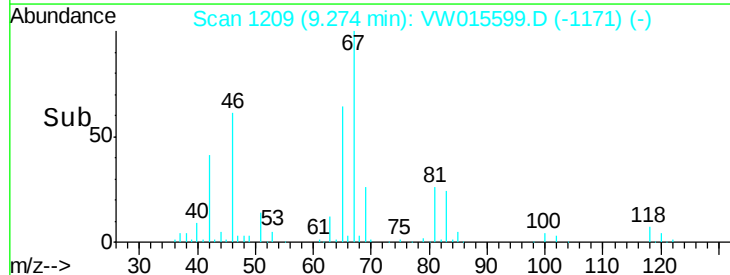
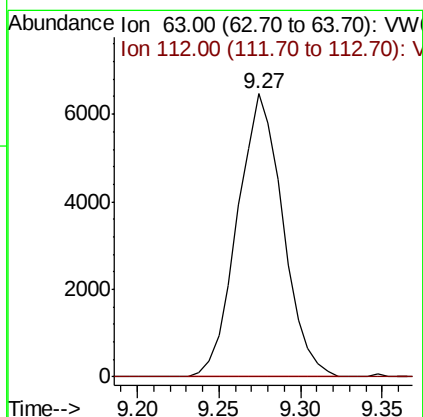
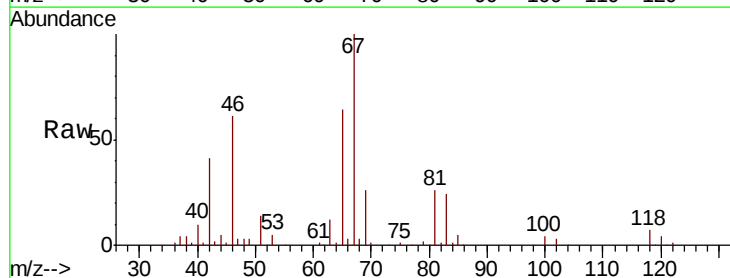
Instrument :  
MSVOA\_W  
ClientSampleId :

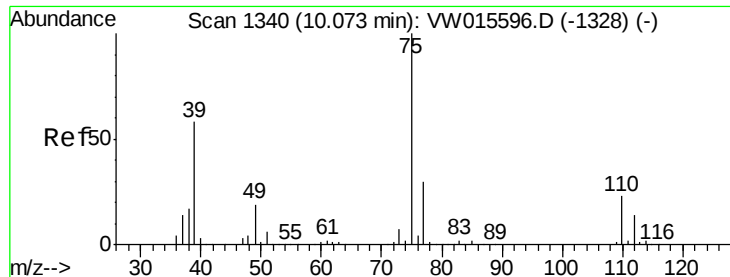
Tot Ion: 83 Resp: 25475  
Ion Ratio Lower Upper  
83 100  
55 0.7 62.8 94.2#  
98 1.7 39.2 58.8#



#40  
1,2-Dichloropropane  
Concen: 3.102 ug/L  
RT: 9.27 min Scan# 1209  
Delta R.T. -0.10 min  
Lab File: VW015599.D  
Acq: 12 Jun 2020 12:02

Tgt Ion: 63 Resp: 12576  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.8#





#42

cis-1,3-Dichloropropene

Concen: 0.492 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015599.D

Acq: 12 Jun 2020 12:02

Instrument :

MSVOA\_W

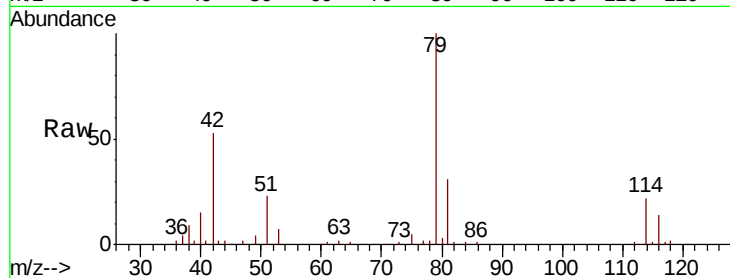
ClientSampleId :

Tot Ion: 75 Resp: 3190

Ion Ratio Lower Upper

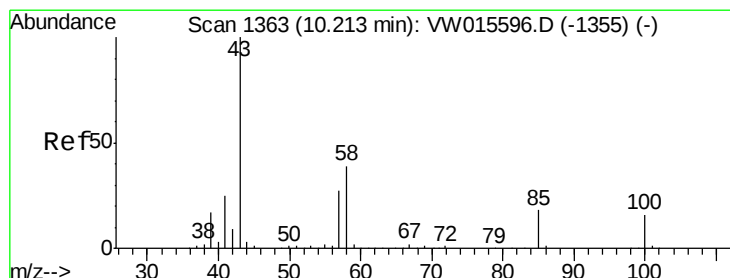
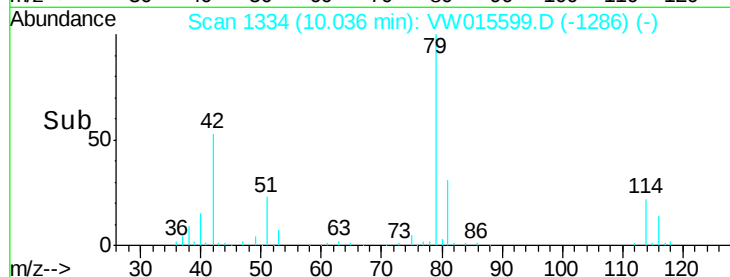
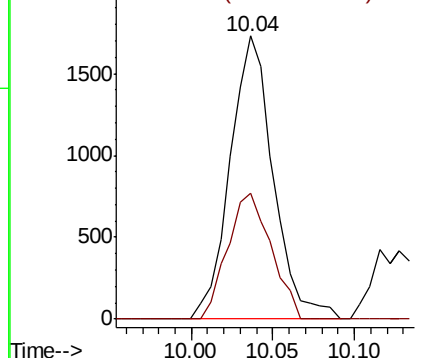
75 100

77 44.5 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 3.533 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015599.D

Acq: 12 Jun 2020 12:02

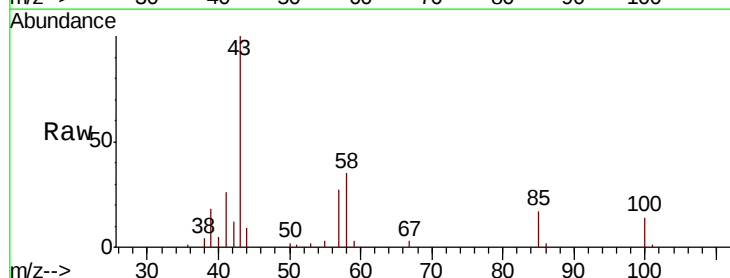
Tgt Ion: 43 Resp: 8398

Ion Ratio Lower Upper

43 100

58 36.9 30.6 46.0

100 14.4 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

