

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061720\  
 Data File : VW015620.D  
 Acq On : 17 Jun 2020 16:35  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK16

Quant Time: Jun 18 07:18:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 18 07:15:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 315511   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 288766   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 129760   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 57990    | 20.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.24%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 68380    | 23.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.12%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 105471   | 14.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 59.88%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 50754    | 53.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 107.54% |
| 24) Chloroform-d               | 7.65   | 84    | 174900   | 23.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.88%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 102834   | 25.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.32% |
| 29) Benzene-d6                 | 8.27   | 84    | 335375   | 23.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.72%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 104133   | 24.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.80%  |
| 37) Toluene-d8                 | 10.33  | 98    | 314349   | 22.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.32%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 39827    | 20.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.00%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 39340    | 52.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.60% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 82161    | 25.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.40% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 105254   | 24.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.80%  |

## Target Compounds

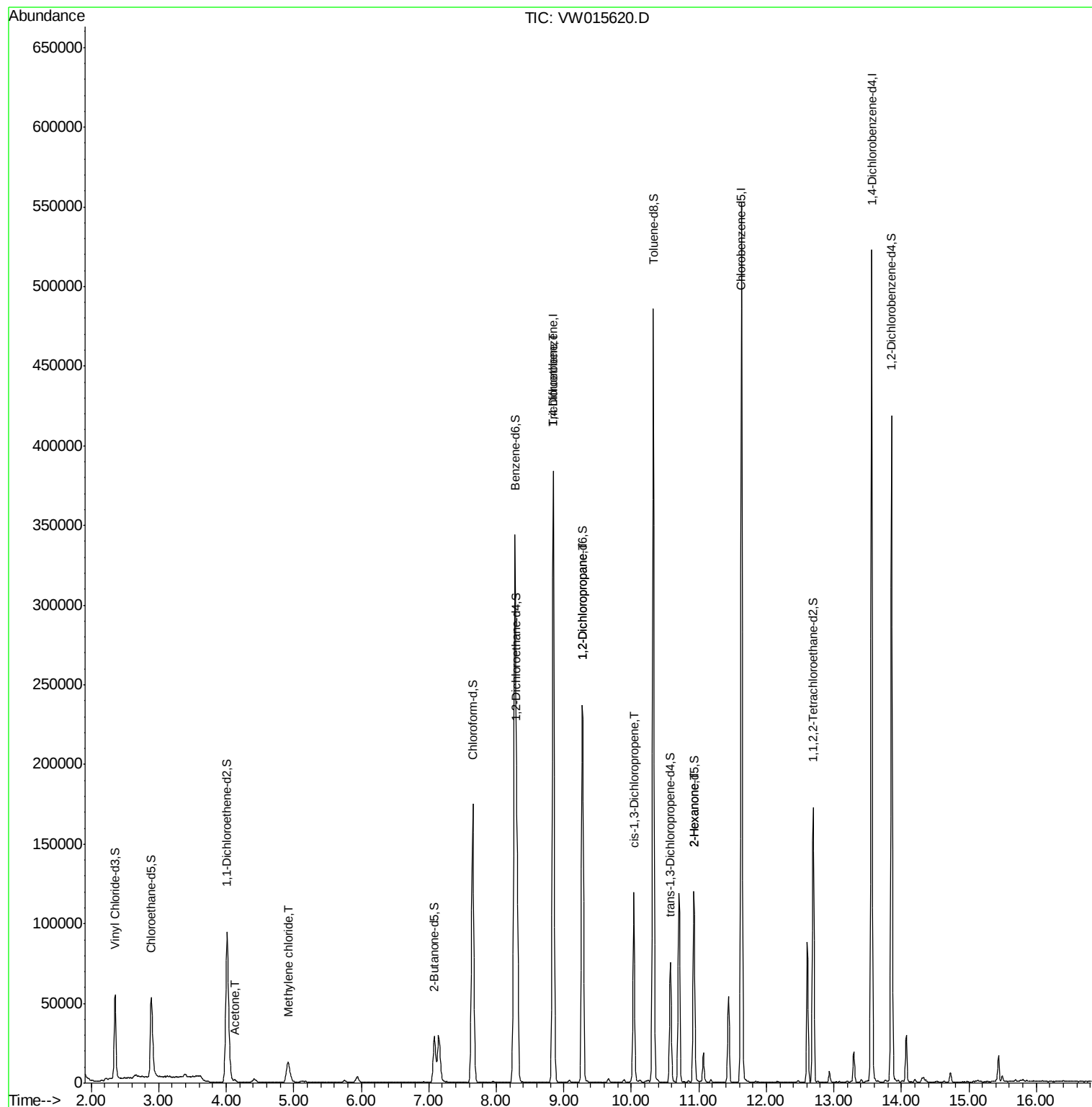
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.14  | 43 | 2070  | 2.837 ug/L   | 72     |
| 16) Methylene chloride      | 4.92  | 84 | 10631 | 2.745 ug/L   | 87     |
| 35) Trichloroethene         | 8.85  | 95 | 9890  | 2.280 ug/L # | 6      |
| 40) 1,2-Dichloropropane     | 9.28  | 63 | 12870 | 3.236 ug/L # | 85     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3146  | 0.494 ug/L # | 81     |
| 49) 2-Hexanone              | 10.93 | 43 | 5222  | 3.319 ug/L # | 68     |

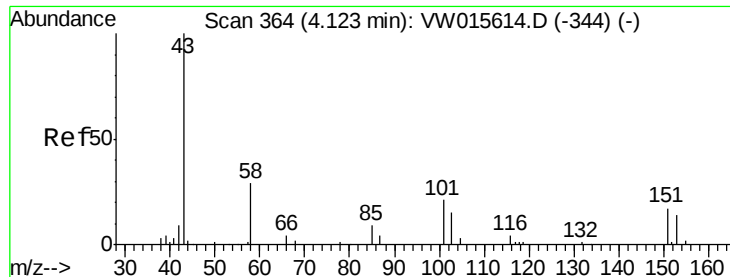
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : SY/VA  
Sample : VIBLK  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK16

Quant Time: Jun 18 07:18:05 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 18 07:15:54 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 2.837 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015620.D

Acq: 17 Jun 2020 16:35

Instrument :

MSVOA\_W

ClientSampleId :

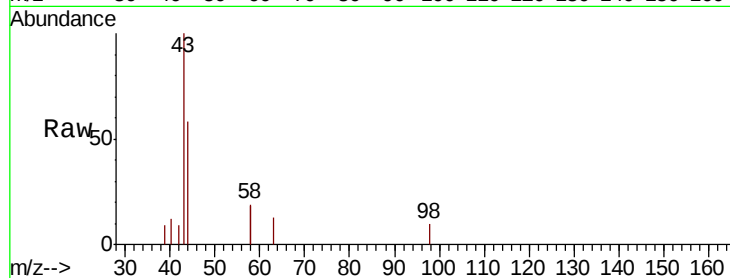
VIBLK16

Tot Ion: 43 Resp: 2070

Ion Ratio Lower Upper

43 100

58 13.7 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

800

600

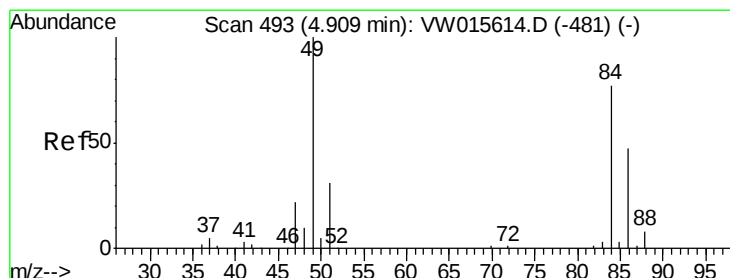
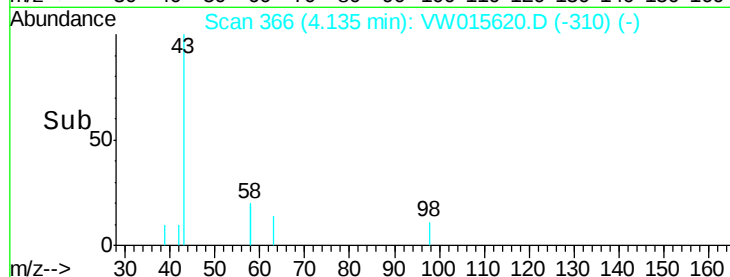
400

200

0

4.05 4.10 4.15 4.20

Time-->



#16

Methylene chloride

Concen: 2.745 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015620.D

Acq: 17 Jun 2020 16:35

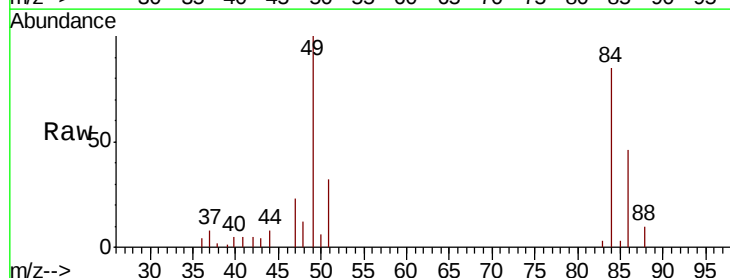
Tgt Ion: 84 Resp: 10631

Ion Ratio Lower Upper

84 100

49 117.5 93.0 172.8

86 54.1 44.7 83.1



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

5000

4000

3000

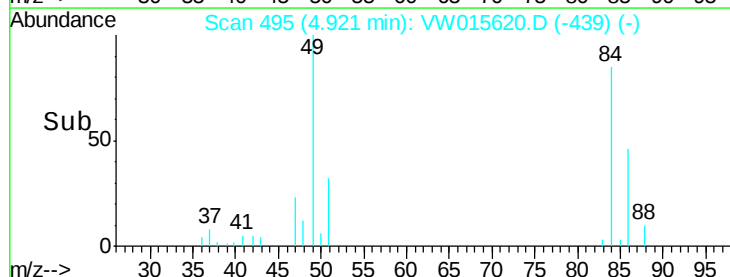
2000

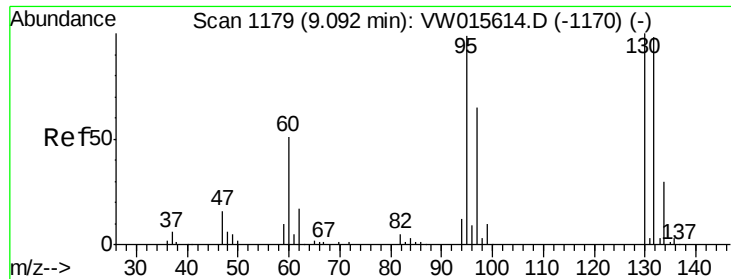
1000

0

4.80 4.85 4.90 4.95 5.00

Time-->





#35

Trichloroethene

Concen: 2.280 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW015620.D

Acq: 17 Jun 2020 16:35

Instrument :

MSVOA\_W

ClientSampleId :

VIBLK16

Tot Ion: 95 Resp: 9890

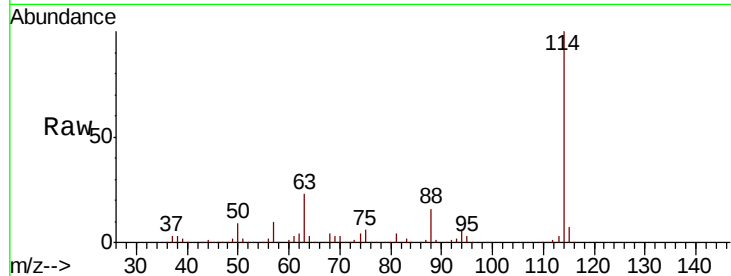
Ion Ratio Lower Upper

95 100

97 0.0 45.4 84.2#

132 1.0 67.1 124.7#

130 0.0 69.4 128.8#

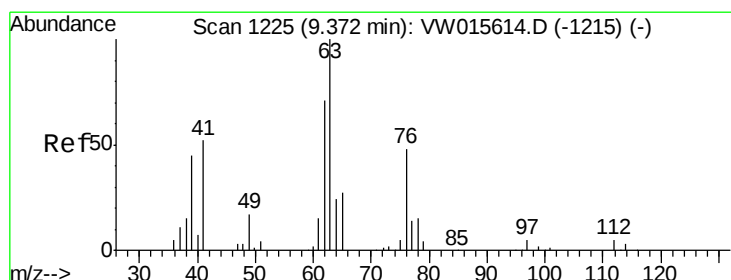
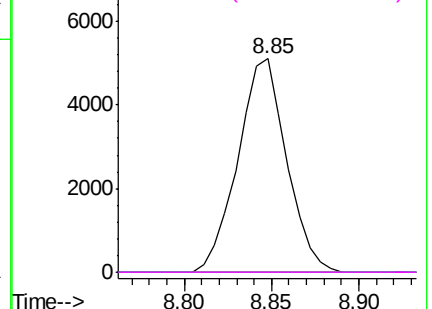
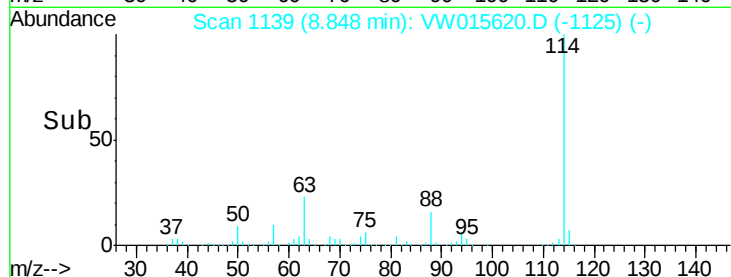


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#40

1,2-Dichloropropane

Concen: 3.236 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW015620.D

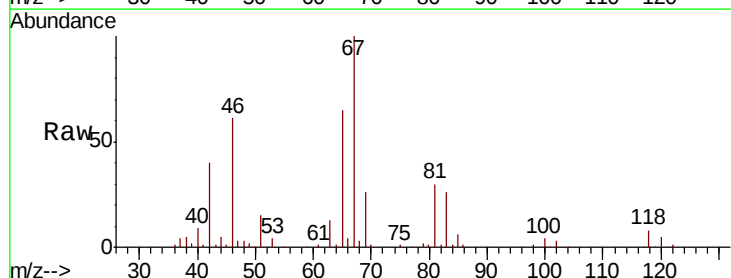
Acq: 17 Jun 2020 16:35

Tgt Ion: 63 Resp: 12870

Ion Ratio Lower Upper

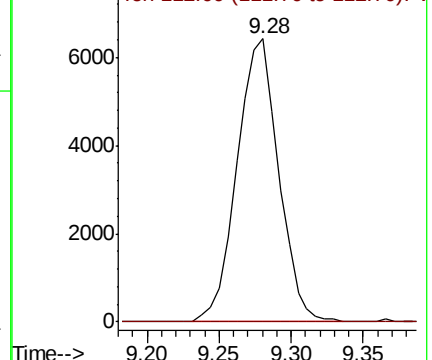
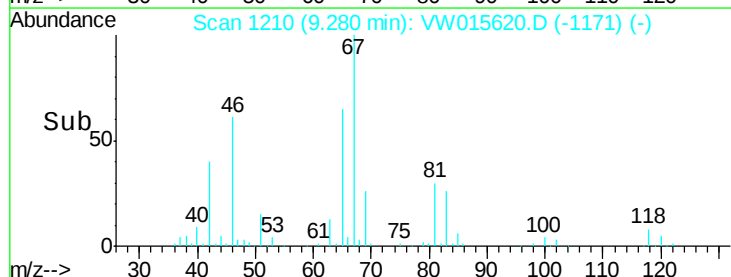
63 100

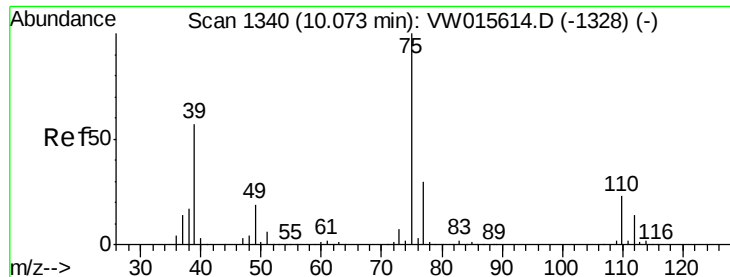
112 0.0 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.494 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015620.D

Acq: 17 Jun 2020 16:35

Instrument :

MSVOA\_W

ClientSampled :

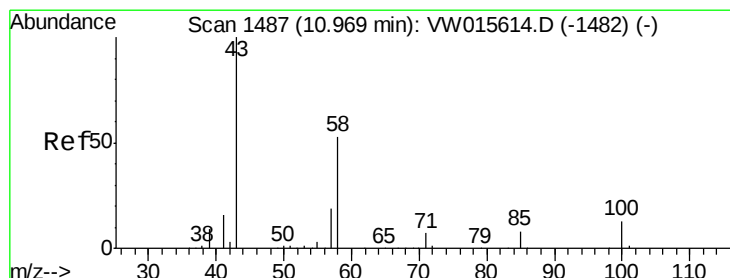
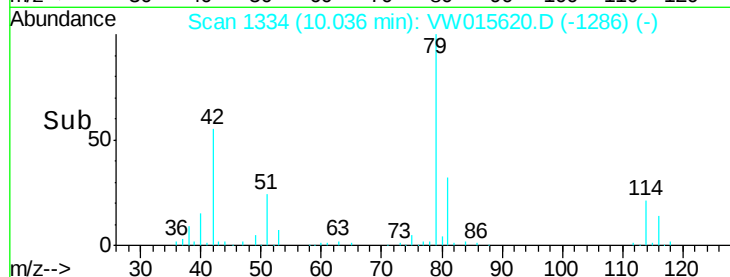
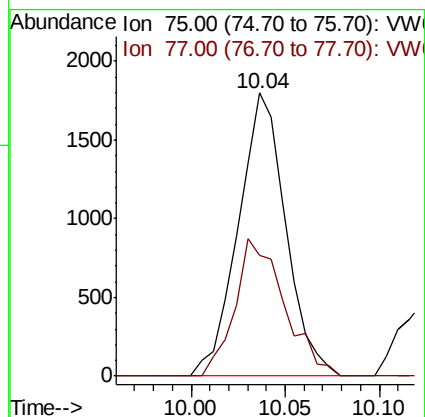
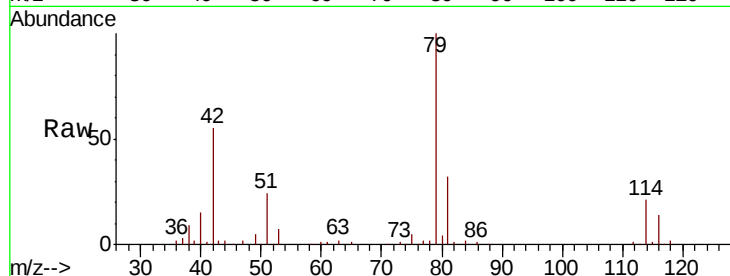
VIBLK16

Tot Ion: 75 Resp: 3146

Ion Ratio Lower Upper

75 100

77 42.5 22.3 41.5#



#49

2-Hexanone

Concen: 3.319 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW015620.D

Acq: 17 Jun 2020 16:35

Tgt Ion: 43 Resp: 5222

Ion Ratio Lower Upper

43 100

58 24.6 42.6 64.0#

57 24.0 15.5 23.3#

100 0.0 10.3 15.5#

