

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\  
 Data File : VW017278.D  
 Acq On : 17 Nov 2020 12:03  
 Operator : SY/VA  
 Sample : L4739-15RE  
 Misc : 5.90G/10ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB102RE

Quant Time: Nov 18 02:15:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 18 02:13:37 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 378208   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 207863   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 33004    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 84931    | 17.83    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.32%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 76910    | 20.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.80%   |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 130553   | 15.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.28%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 45943    | 43.13    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.26%   |
| 24) Chloroform-d               | 7.65   | 84    | 198673   | 22.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.00%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 101706   | 23.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.68%   |
| 29) Benzene-d6                 | 8.27   | 84    | 357583   | 33.78    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 135.12%# |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 100163   | 34.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 136.84%# |
| 37) Toluene-d8                 | 10.33  | 98    | 273083   | 27.36    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 109.44%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 35411    | 26.83    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 107.32%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 29020    | 56.80    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 113.60%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 50895    | 19.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 79.84%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 23520    | 20.23    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 80.92%   |

## Target Compounds

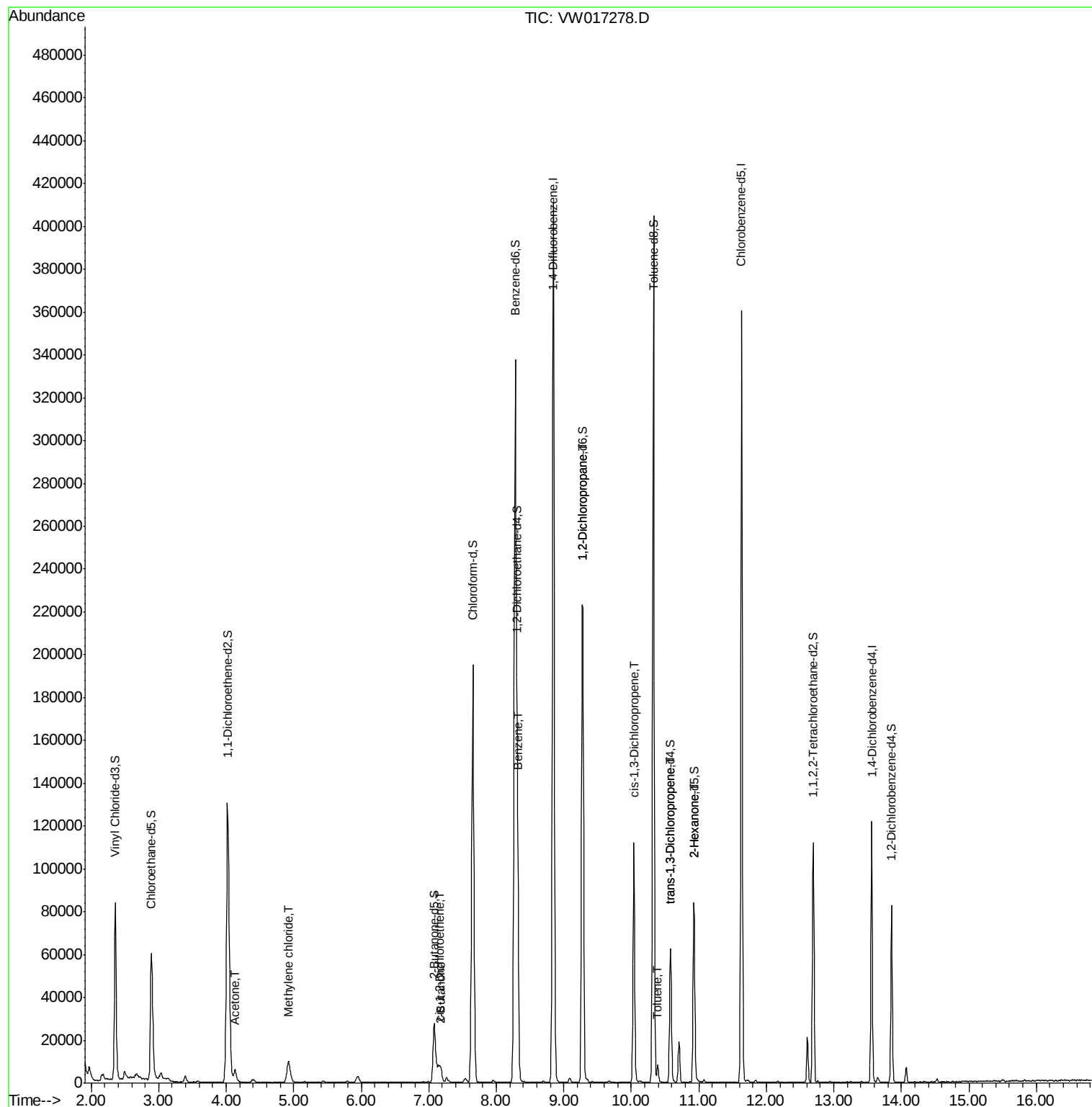
| Target Compounds              | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|-------------------------------|-------|------|----------|--------|--------|--------|
| 13) Acetone                   | 4.13  | 43   | 9702     | 13.602 | ug/L   | 86     |
| 16) Methylene chloride        | 4.92  | 84   | 5359     | 1.051  | ug/L   | 81     |
| 21) 2-Butanone                | 7.18  | 43   | 943      | 0.823  | ug/L   | 78     |
| 22) cis-1,2-Dichloroethene    | 7.17  | 96   | 3279     | 0.638  | ug/L   | 99     |
| 34) Benzene                   | 8.32  | 78   | 5857     | 0.537  | ug/L   | 100    |
| 40) 1,2-Dichloropropane       | 9.28  | 63   | 12461    | 4.884  | ug/L # | 84     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75   | 3320     | 0.822  | ug/L   | 89     |
| 44) Toluene                   | 10.39 | 91   | 5809     | 0.484  | ug/L   | 81     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75   | 1904     | 0.549  | ug/L   | 89     |
| 49) 2-Hexanone                | 10.93 | 43   | 3381     | 3.563  | ug/L # | 55     |

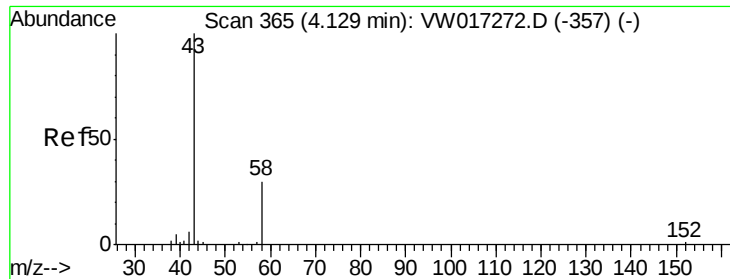
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW11720\  
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Sample : L4739-15RE  
Misc : 5.90G/10ML/MSVOA W/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB102RE

Quant Time: Nov 18 02:15:51 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Nov 18 02:13:37 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 13.602 ug/L

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017278.D

Acq: 17 Nov 2020 12:03

Instrument :

MSVOA\_W

ClientSampleId :

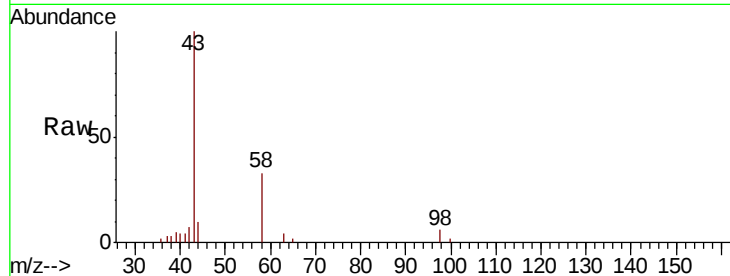
GB102RE

Tot Ion: 43 Resp: 9702

Ion Ratio Lower Upper

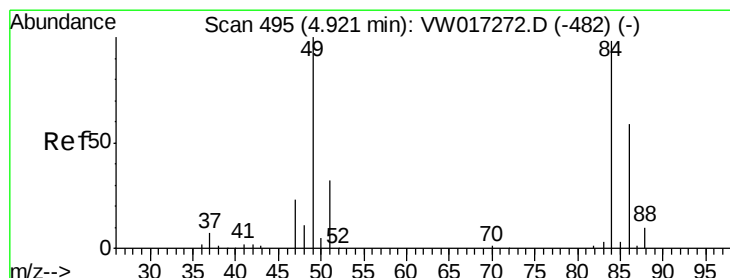
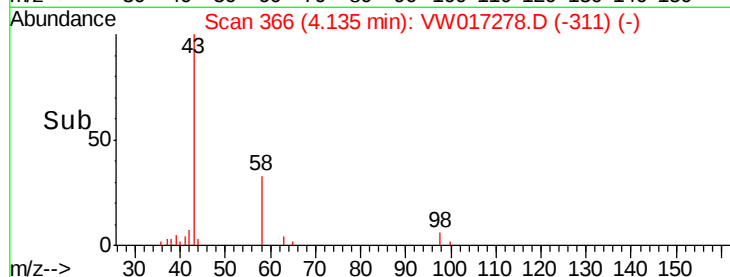
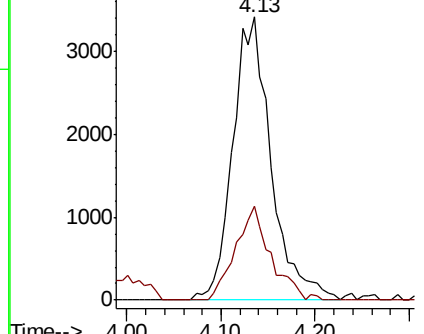
43 100

58 26.6 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.051 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017278.D

Acq: 17 Nov 2020 12:03

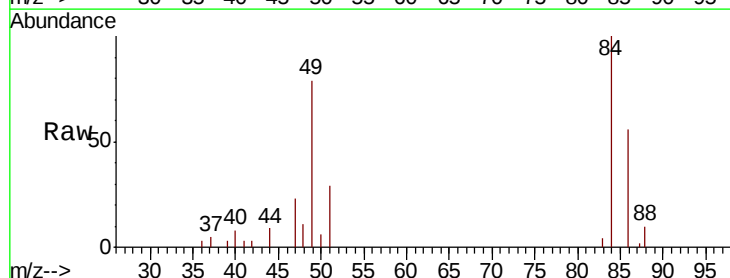
Tgt Ion: 84 Resp: 5359

Ion Ratio Lower Upper

84 100

49 78.5 72.3 134.3

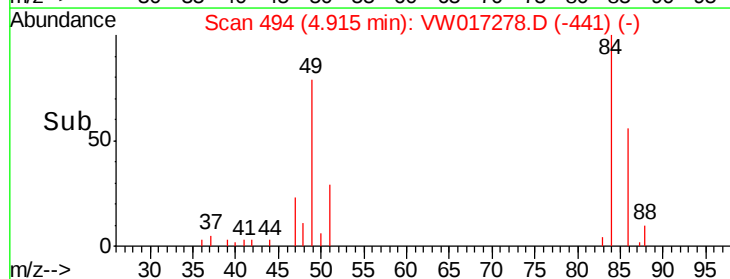
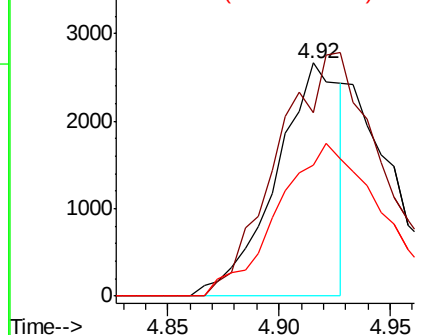
86 56.4 45.1 83.7

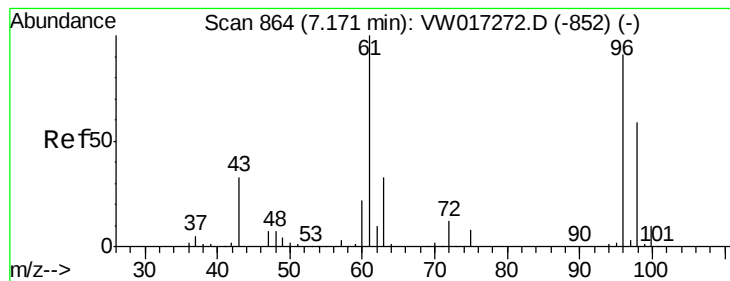


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 0.823 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017278.D

Acq: 17 Nov 2020 12:03

Instrument :

MSVOA\_W

ClientSampleId :

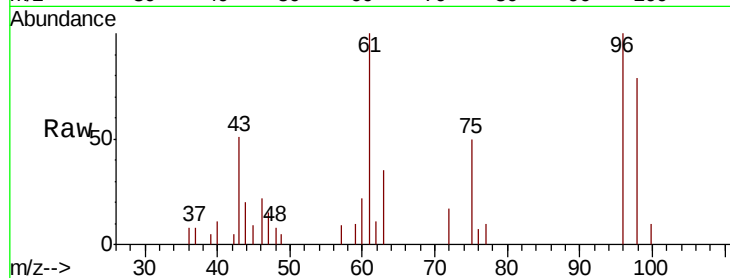
GB102RE

Tot Ion: 43 Resp: 943

Ion Ratio Lower Upper

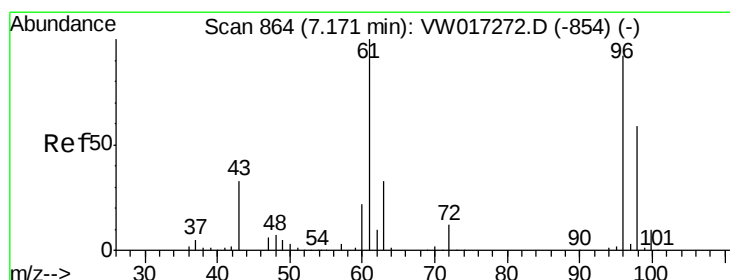
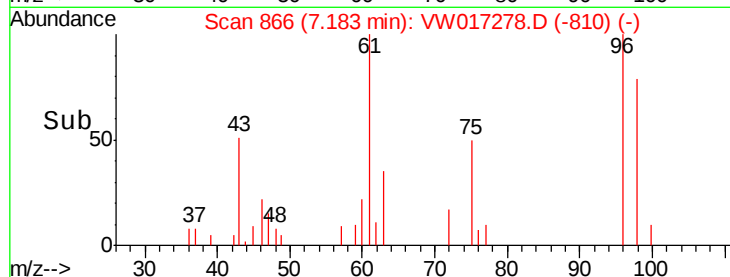
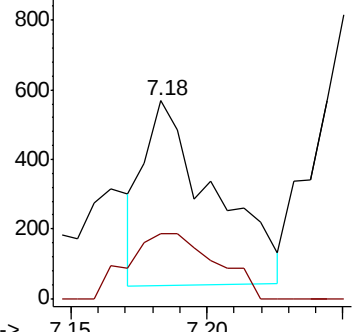
43 100

72 44.2 16.1 48.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 0.638 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017278.D

Acq: 17 Nov 2020 12:03

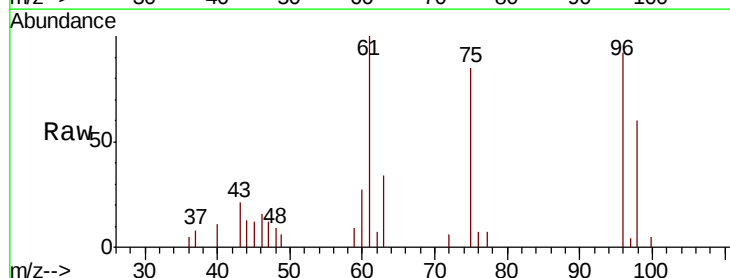
Tgt Ion: 96 Resp: 3279

Ion Ratio Lower Upper

96 100

61 108.4 77.4 143.8

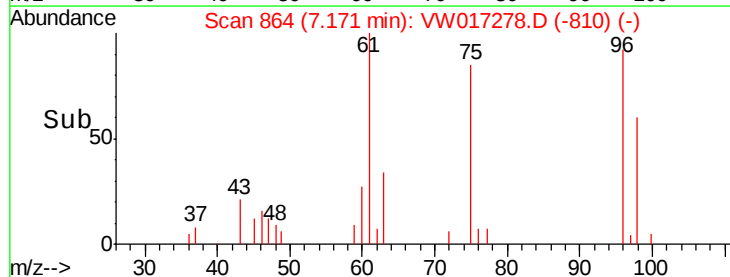
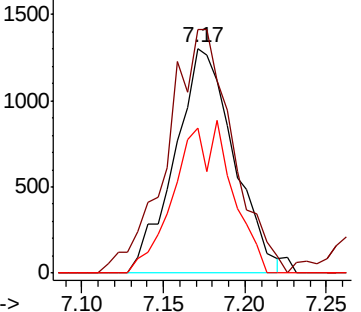
98 64.8 45.1 83.7

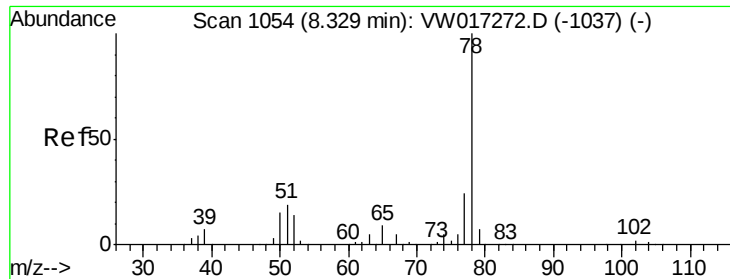


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#34

Benzene

Concen: 0.537 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017278.D

Acq: 17 Nov 2020 12:03

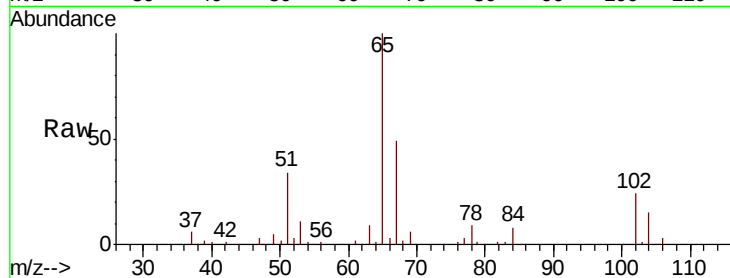
Instrument :

MSVOA\_W

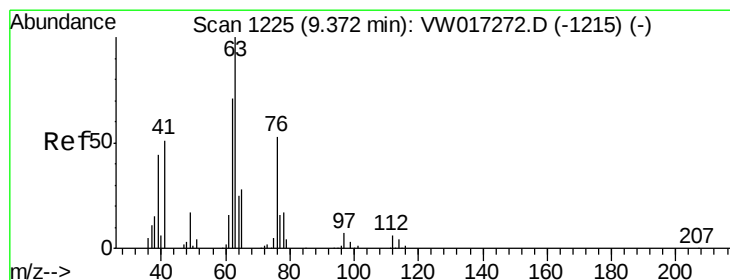
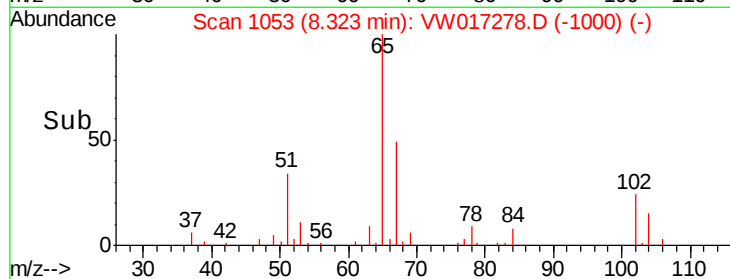
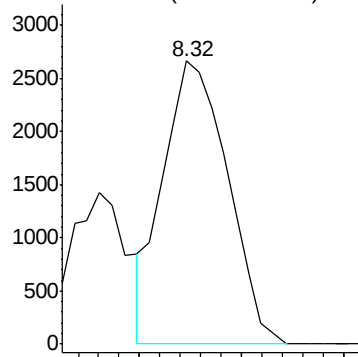
ClientSampleId :

GB102RE

Tgt Ion: 78 Resp: 5857



Abundance Ion 78.00 (77.70 to 78.70): VW



#40

1,2-Dichloropropane

Concen: 4.884 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017278.D

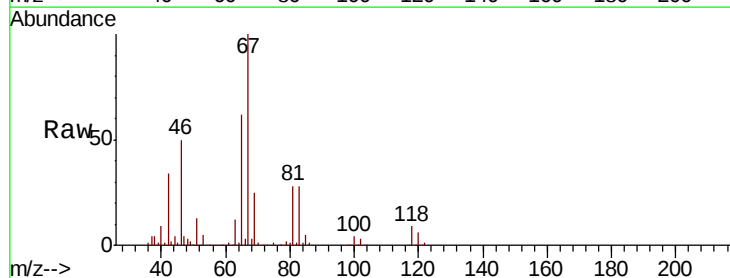
Acq: 17 Nov 2020 12:03

Tgt Ion: 63 Resp: 12461

Ion Ratio Lower Upper

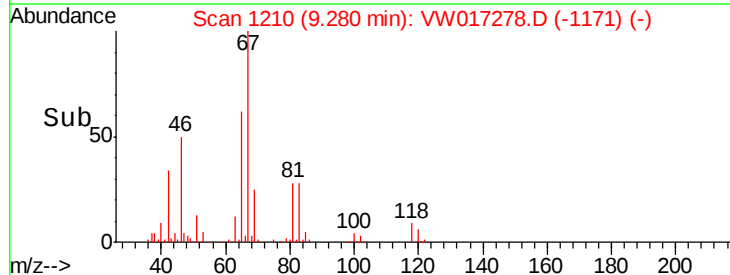
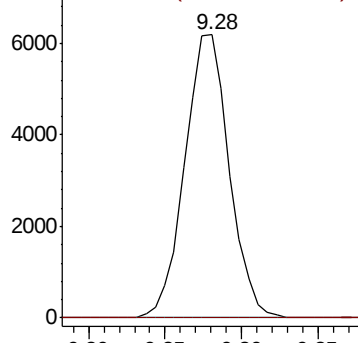
63 100

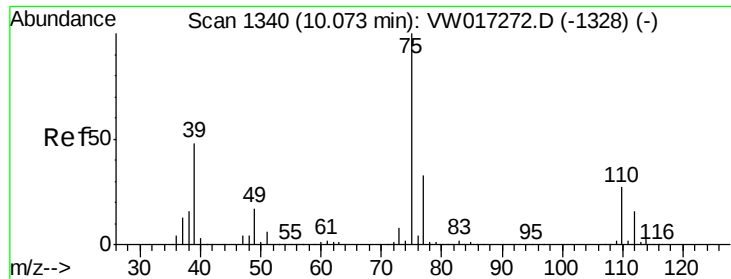
112 0.0 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

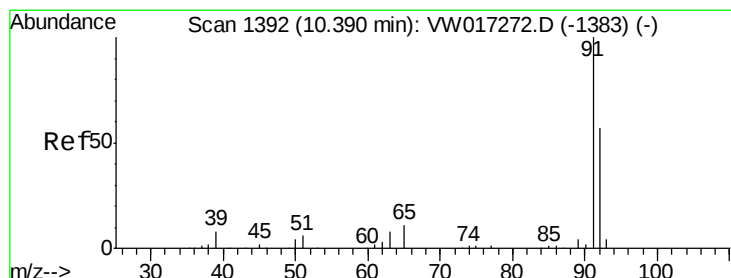
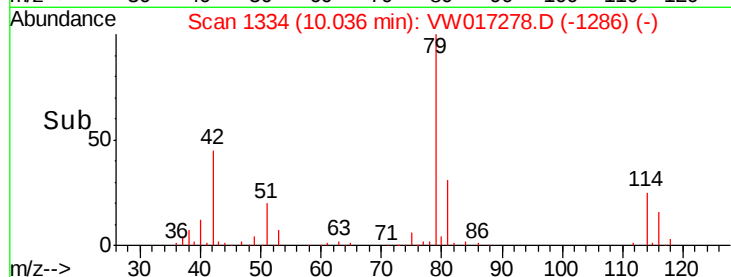
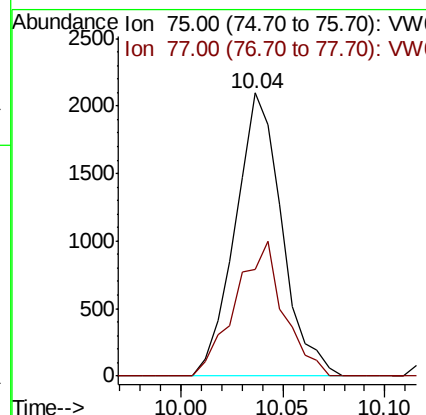
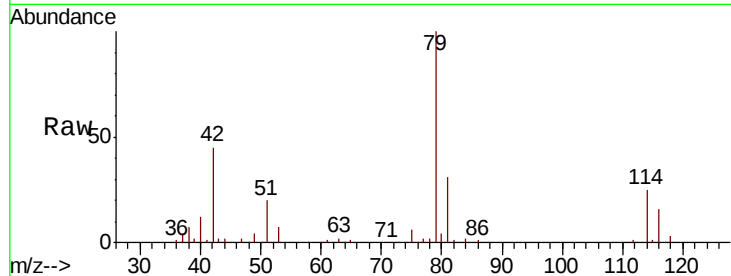




#42  
 cis-1,3-Dichloropropene  
 Concen: 0.822 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW017278.D  
 Acq: 17 Nov 2020 12:03

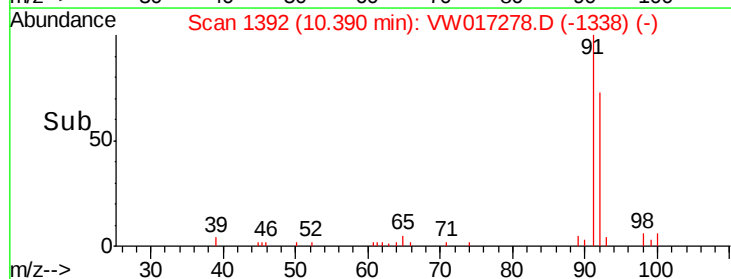
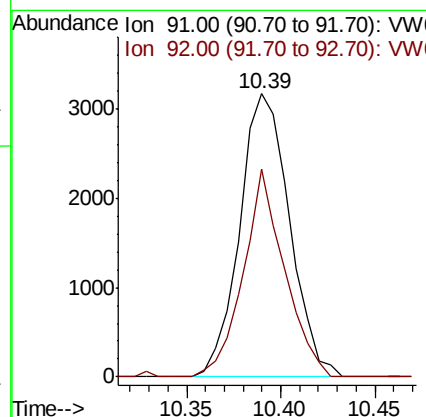
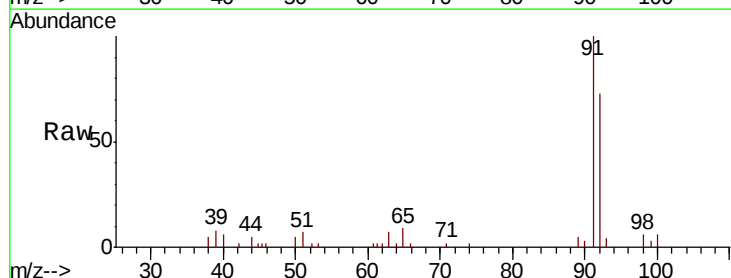
Instrument :  
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 GB102RE

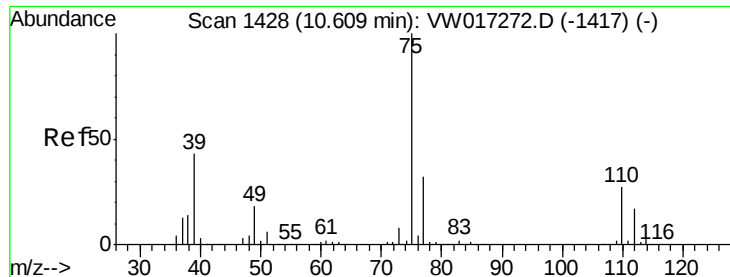
Tot Ion: 75 Resp: 3320  
 Ion Ratio Lower Upper  
 75 100  
 77 37.7 22.0 41.0



#44  
 Toluene  
 Concen: 0.484 ug/L  
 RT: 10.39 min Scan# 1392  
 Delta R.T. -0.00 min  
 Lab File: VW017278.D  
 Acq: 17 Nov 2020 12:03

Tgt Ion: 91 Resp: 5809  
 Ion Ratio Lower Upper  
 91 100  
 92 73.3 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.549 ug/L

RT: 10.58 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017278.D

Acq: 17 Nov 2020 12:03

Instrument :

MSVOA\_W

ClientSampleId :

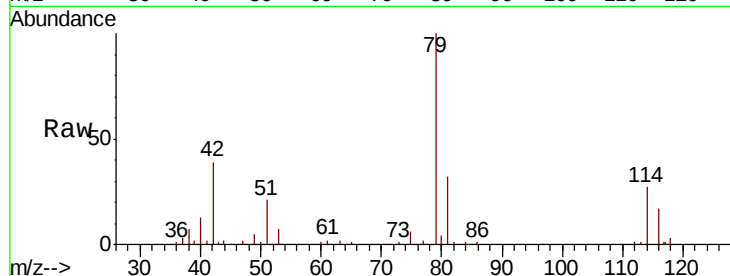
GB102RE

Tot Ion: 75 Resp: 1904

Ion Ratio Lower Upper

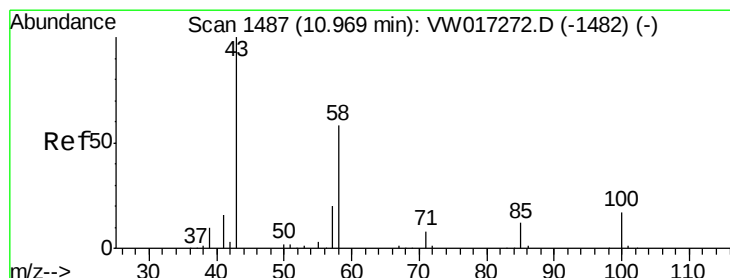
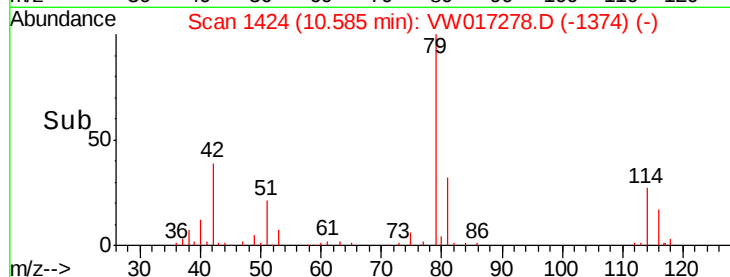
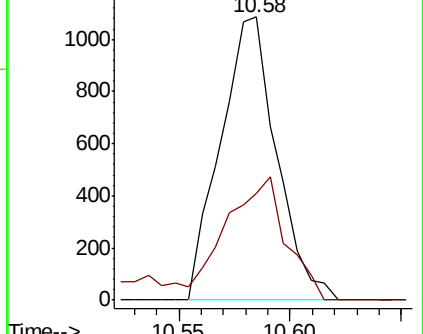
75 100

77 37.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#49

2-Hexanone

Concen: 3.563 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017278.D

Acq: 17 Nov 2020 12:03

Tgt Ion: 43 Resp: 3381

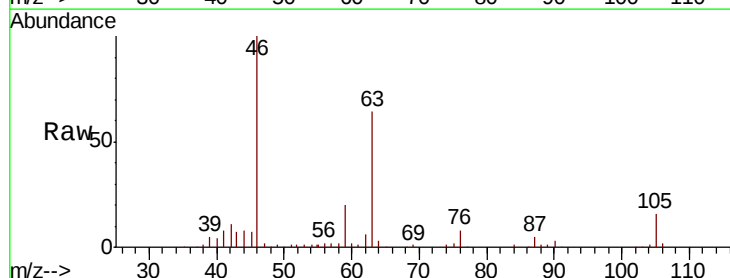
Ion Ratio Lower Upper

43 100

58 20.4 50.6 75.8#

57 32.7 17.8 26.6#

100 0.0 13.9 20.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

