

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\  
 Data File : VW017277.D  
 Acq On : 17 Nov 2020 11:39  
 Operator : SY/VA  
 Sample : L4739-14RE  
 Misc : 6.90G/10ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB101RE

Quant Time: Nov 18 02:15:43 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  | 322542   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 209221   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 47017    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 84355    | 20.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.04%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 75774    | 24.20    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.80%   |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 123098   | 16.94    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.76%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 52047    | 57.29    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 114.58%  |
| 24) Chloroform-d               | 7.65   | 84    | 183185   | 24.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.32%   |
| 26) 1,2-Dichloroethane-d4      | 8.41   | 65    | 72       | 0.02     | ug/L | 0.10     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.08%#   |
| 29) Benzene-d6                 | 8.28   | 84    | 332566   | 31.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 124.84%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 91901    | 31.18    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 124.72%# |
| 37) Toluene-d8                 | 10.33  | 98    | 266089   | 26.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 105.96%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 35167    | 26.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 105.88%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 32643    | 63.47    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 126.94%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 55273    | 21.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 86.12%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 34466    | 20.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 83.24%   |

## Target Compounds

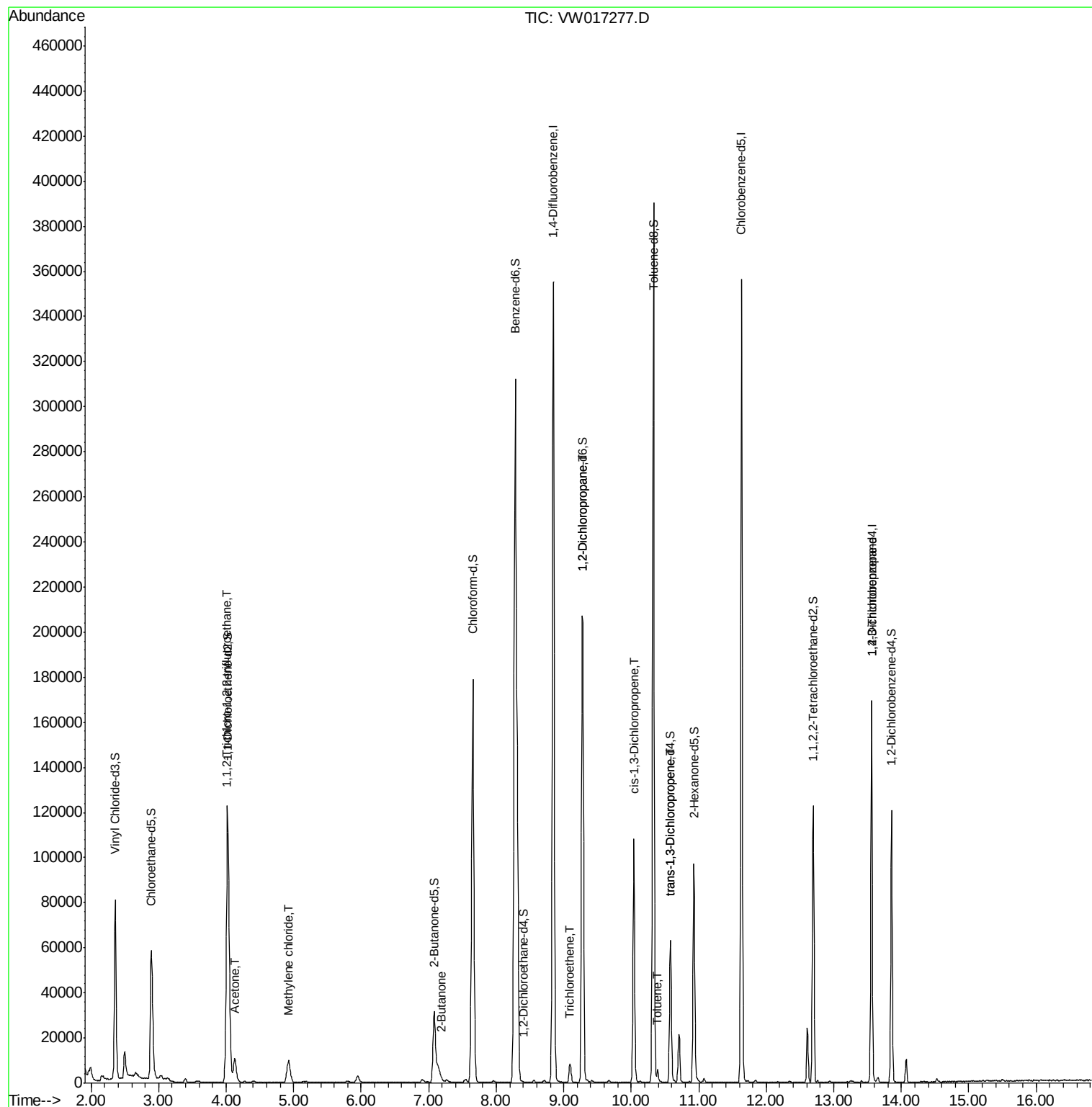
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.01  | 101  | 1217     | 0.292  | ug/L # | 17     |
| 13) Acetone                    | 4.13  | 43   | 18829    | 30.953 | ug/L   | 94     |
| 16) Methylene chloride         | 4.92  | 84   | 8906     | 2.048  | ug/L   | 96     |
| 21) 2-Butanone                 | 7.19  | 43   | 2973     | 3.044  | ug/L   | 74     |
| 35) Trichloroethene            | 9.09  | 95   | 2773     | 0.901  | ug/L   | 96     |
| 40) 1,2-Dichloropropane        | 9.27  | 63   | 11408    | 4.442  | ug/L # | 84     |
| 42) cis-1,3-Dichloropropene    | 10.04 | 75   | 3074     | 0.756  | ug/L   | 94     |
| 44) Toluene                    | 10.39 | 91   | 3822     | 0.316  | ug/L   | 89     |
| 45) trans-1,3-Dichloropropene  | 10.59 | 75   | 1907     | 0.546  | ug/L   | 87     |
| 59) 1,2,3-Trichloropropane     | 13.56 | 75   | 5252     | 2.857  | ug/L   | 90     |

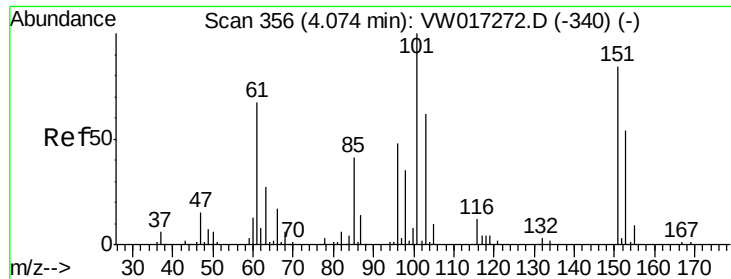
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW11720\  
Data File : VW017277.D  
Acq On : 17 Nov 2020 11:39  
Operator : SY/VA  
Sample : L4739-14RE  
Misc : 6.90G/10ML/MSVOA W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB101RE

Quant Time: Nov 18 02:15:43 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





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.292 ug/L

RT: 4.01 min Scan# 345

Delta R.T. -0.07 min

Lab File: VW017277.D

Acq: 17 Nov 2020 11:39

Instrument :

MSVOA\_W

ClientSampleId :

GB101RE

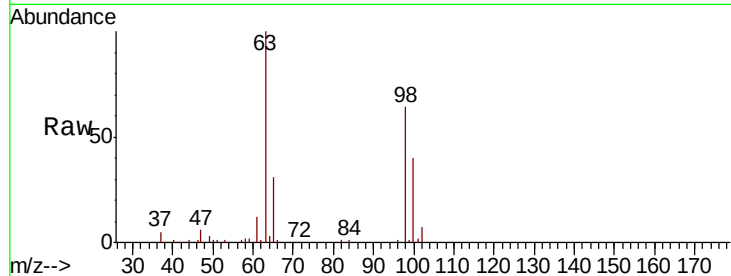
Tot Ion:101 Resp: 1217

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

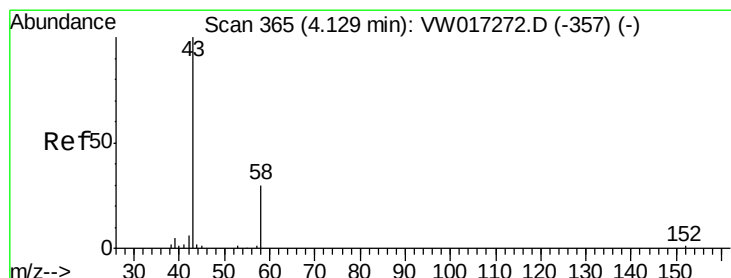
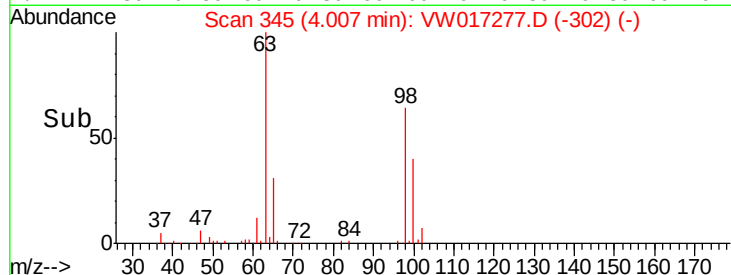
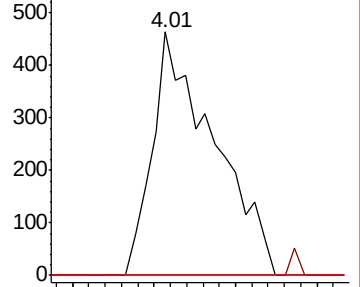
151 0.0 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 30.953 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017277.D

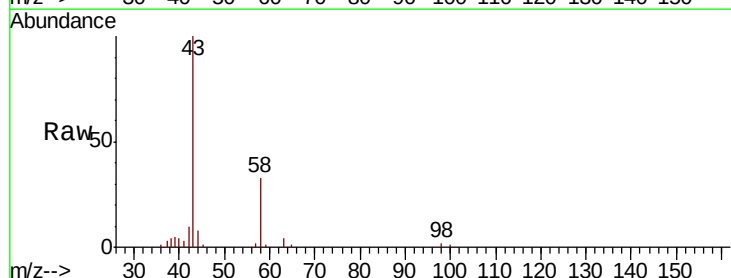
Acq: 17 Nov 2020 11:39

Tgt Ion: 43 Resp: 18829

Ion Ratio Lower Upper

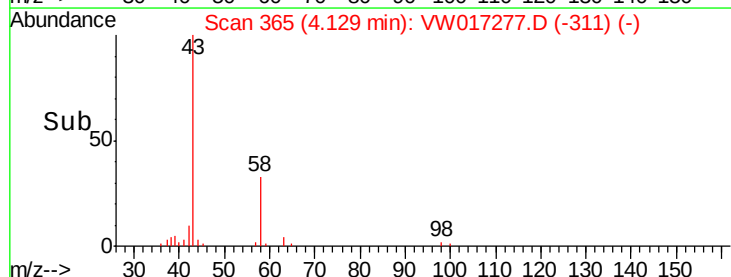
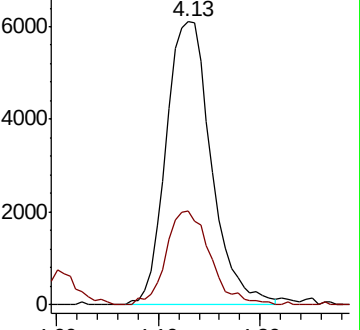
43 100

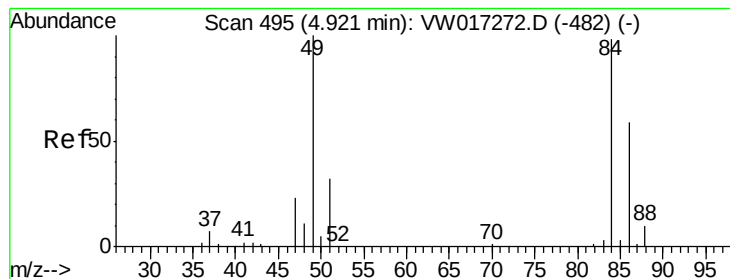
58 30.9 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#16

Methylene chloride

Concen: 2.048 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017277.D

Acq: 17 Nov 2020 11:39

Instrument :

MSVOA\_W

ClientSampleId :

GB101RE

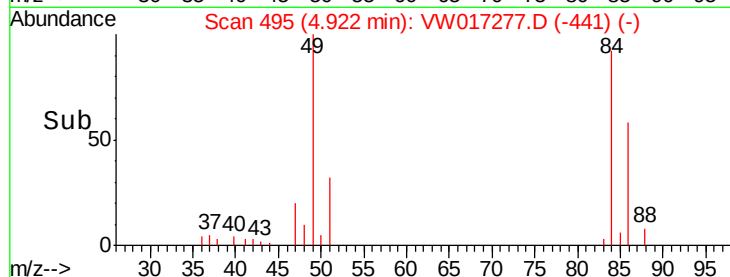
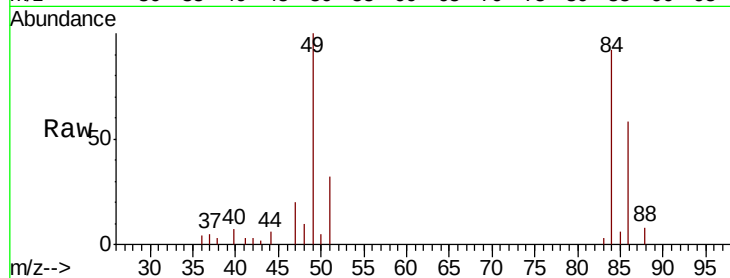
Tot Ion: 84 Resp: 8906

Ion Ratio Lower Upper

84 100

49 108.9 72.3 134.3

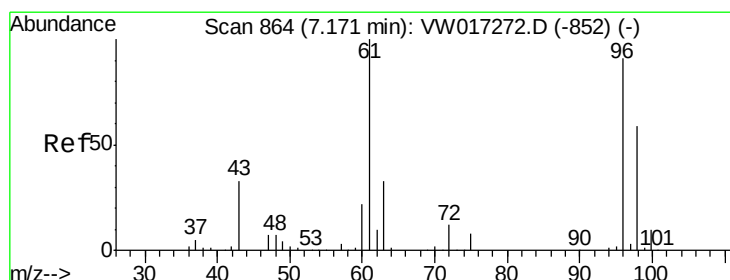
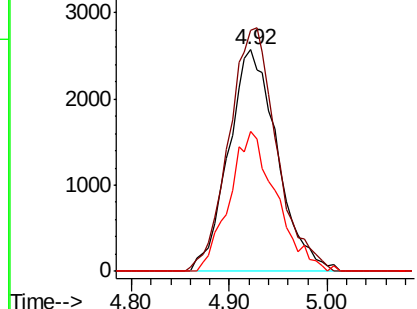
86 63.4 45.1 83.7



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: 3.044 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW017277.D

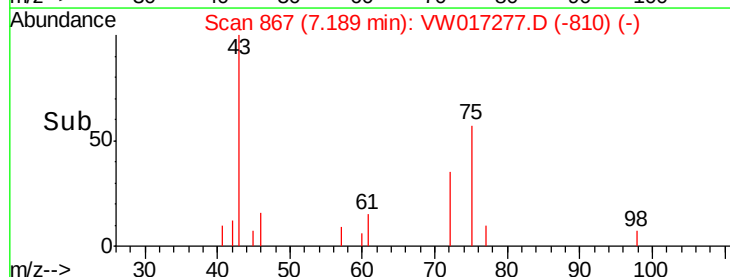
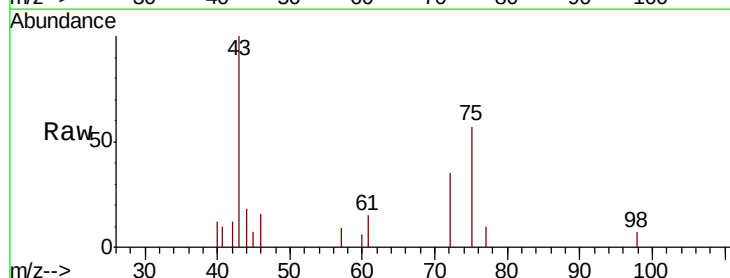
Acq: 17 Nov 2020 11:39

Tgt Ion: 43 Resp: 2973

Ion Ratio Lower Upper

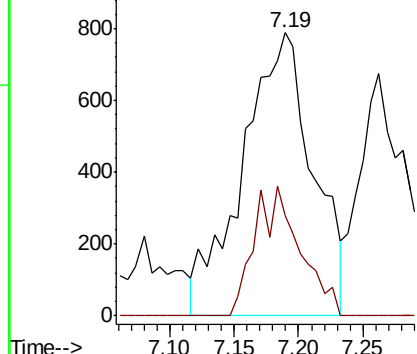
43 100

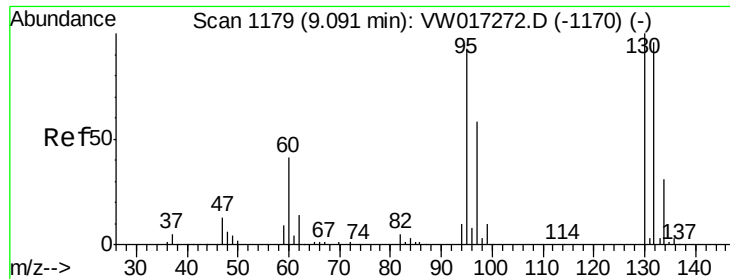
72 17.9 16.1 48.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#35

Trichloroethene

Concen: 0.901 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017277.D

Acq: 17 Nov 2020 11:39

Instrument :

MSVOA\_W

ClientSampleId :

GB101RE

Tot Ion: 95 Resp: 2773

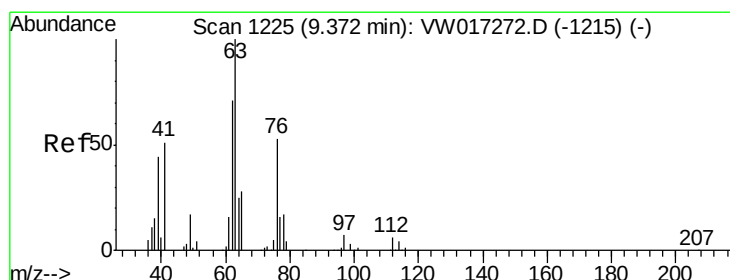
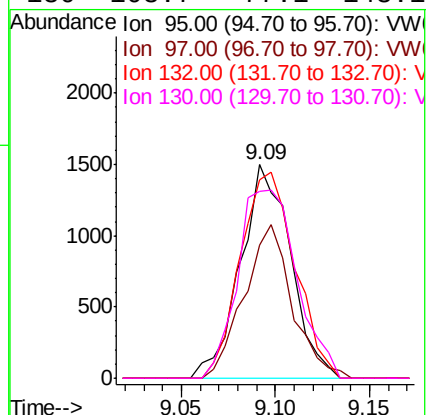
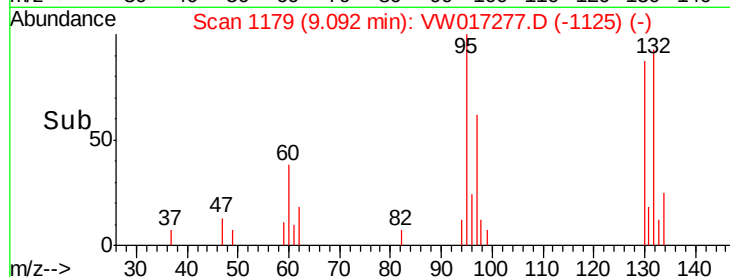
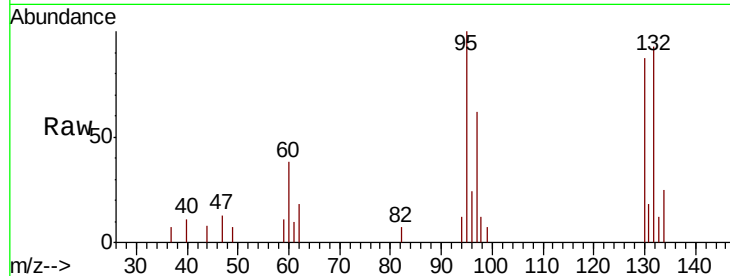
Ion Ratio Lower Upper

95 100

97 68.7 45.0 83.6

132 105.0 73.7 136.9

130 103.7 77.1 143.1



#40

1,2-Dichloropropane

Concen: 4.442 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017277.D

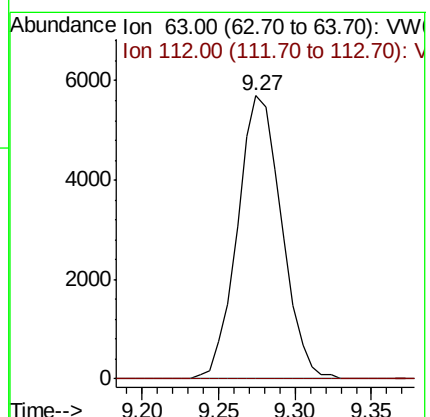
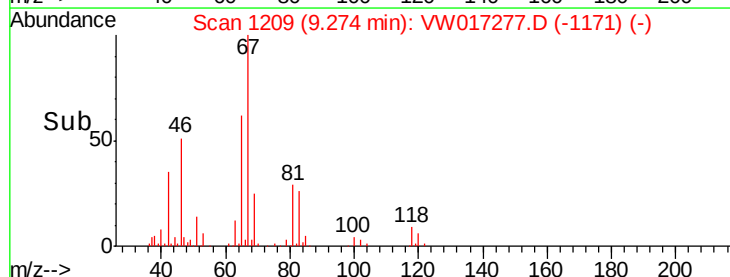
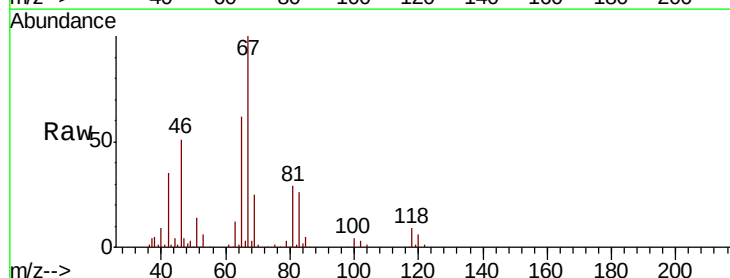
Acq: 17 Nov 2020 11:39

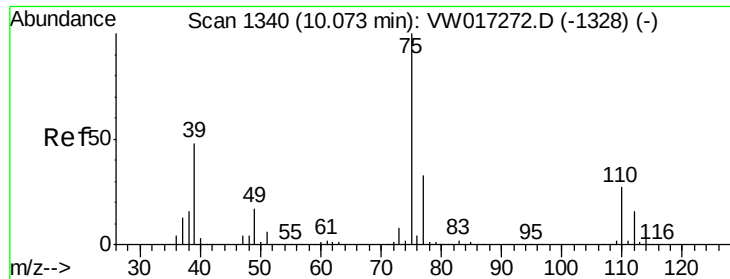
Tgt Ion: 63 Resp: 11408

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.2#





#42

cis-1,3-Dichloropropene

Concen: 0.756 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017277.D

Acq: 17 Nov 2020 11:39

Instrument :

MSVOA\_W

ClientSampleId :

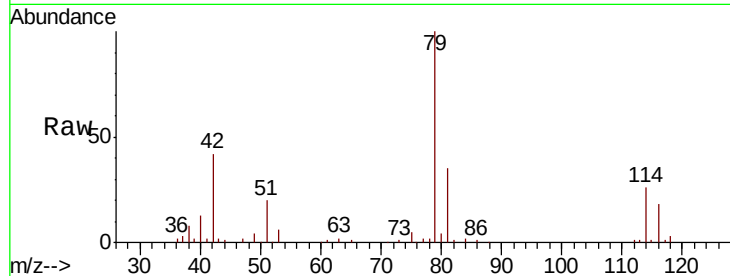
GB101RE

Tot Ion: 75 Resp: 3074

Ion Ratio Lower Upper

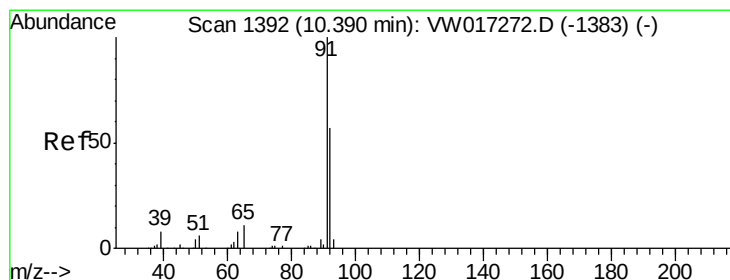
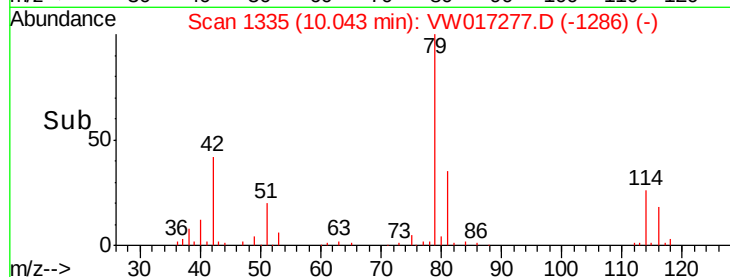
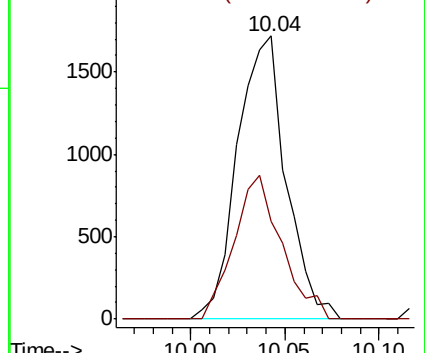
75 100

77 34.6 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Toluene

Concen: 0.316 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017277.D

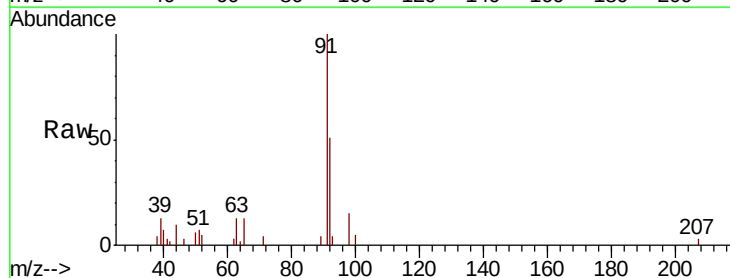
Acq: 17 Nov 2020 11:39

Tgt Ion: 91 Resp: 3822

Ion Ratio Lower Upper

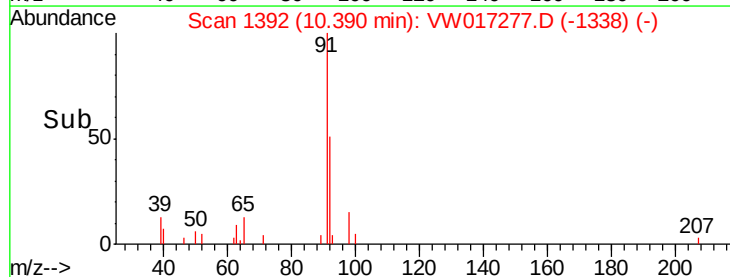
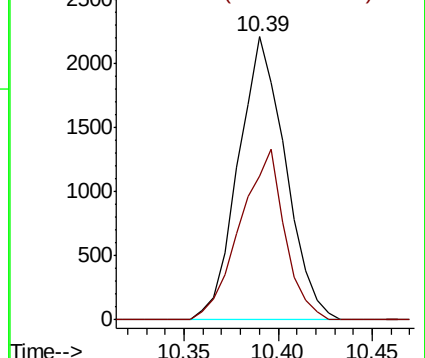
91 100

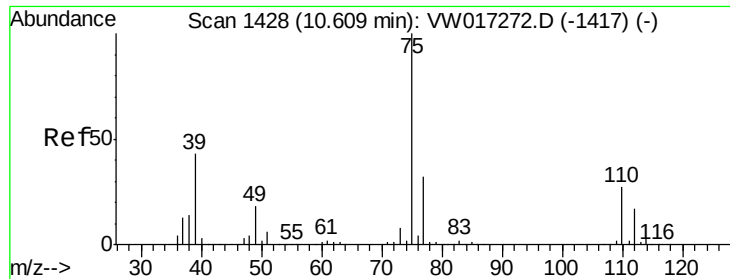
92 51.0 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.546 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017277.D

Acq: 17 Nov 2020 11:39

Instrument :

MSVOA\_W

ClientSampleId :

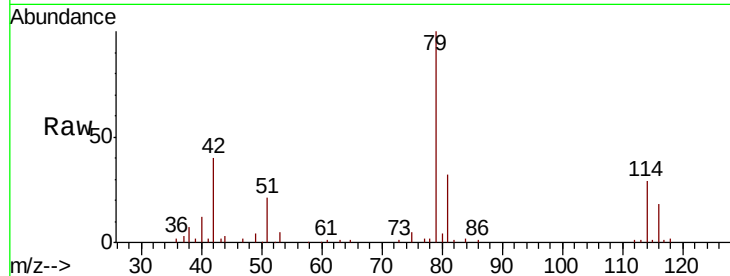
GB101RE

Tot Ion: 75 Resp: 1907

Ion Ratio Lower Upper

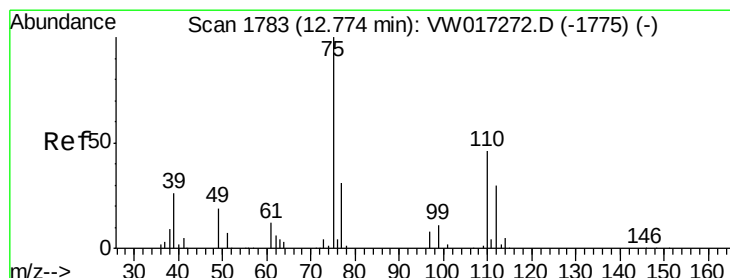
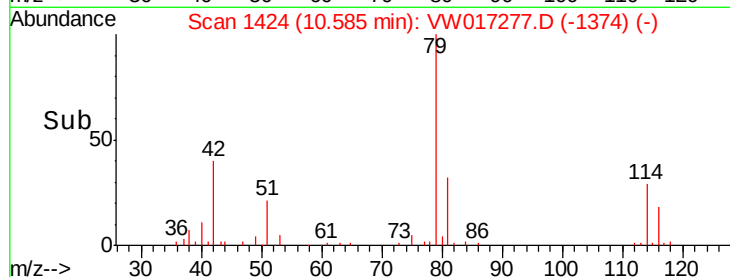
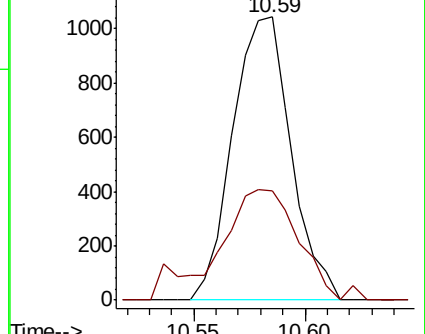
75 100

77 38.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#59

1,2,3-Trichloropropane

Concen: 2.857 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017277.D

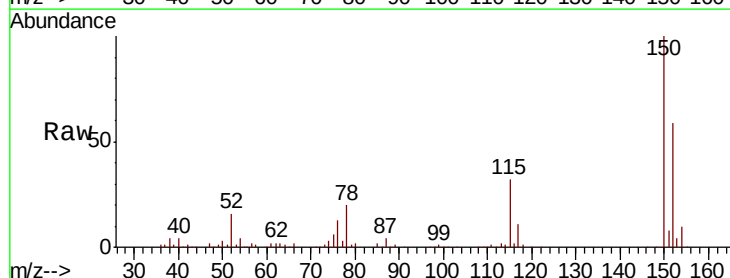
Acq: 17 Nov 2020 11:39

Tgt Ion: 75 Resp: 5252

Ion Ratio Lower Upper

75 100

77 38.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

