

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\  
 Data File : VW017283.D  
 Acq On : 17 Nov 2020 14:00  
 Operator : SY/VA  
 Sample : L4710-21RE  
 Misc : 4.46G/10ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AY5RE

Quant Time: Nov 18 02:16:38 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  | 357963   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 271562   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 88761    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 74791    | 16.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 66.36% |
| 7) Chloroethane-d5             | 2.90   | 69    | 67217    | 19.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.40% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 112367   | 13.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.72% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 28915    | 28.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 57.36% |
| 24) Chloroform-d               | 7.65   | 84    | 170658   | 20.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 81.68% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 91069    | 21.92    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 87.68% |
| 29) Benzene-d6                 | 8.27   | 84    | 316119   | 22.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.44% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 90240    | 23.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.36% |
| 37) Toluene-d8                 | 10.33  | 98    | 277227   | 21.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.04% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 32311    | 18.74    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.96% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 21496    | 32.20    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.40% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 60556    | 18.17    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 72.68% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 61332    | 19.61    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 78.44% |

## Target Compounds

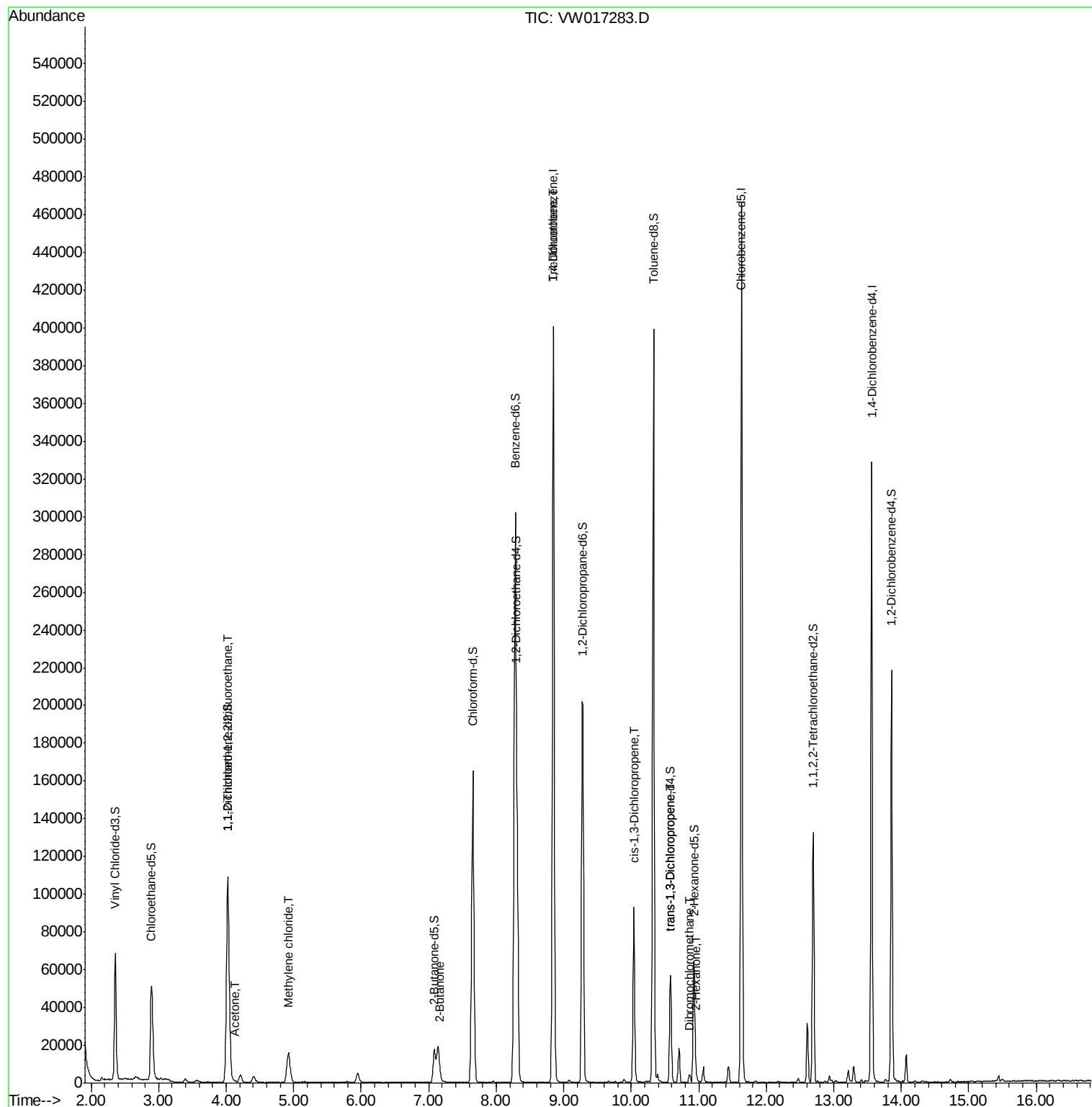
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.03  | 101 | 1137  | 0.246 ug/L # | 17     |
| 13) Acetone                    | 4.14  | 43  | 388   | 0.575 ug/L   | 91     |
| 16) Methylene chloride         | 4.92  | 84  | 7219  | 1.496 ug/L   | 96     |
| 21) 2-Butanone                 | 7.17  | 43  | 820   | 0.756 ug/L # | 42     |
| 35) Trichloroethene            | 8.85  | 95  | 10939 | 2.739 ug/L # | 2      |
| 42) cis-1,3-Dichloropropene    | 10.04 | 75  | 2639  | 0.500 ug/L   | 91     |
| 45) trans-1,3-Dichloropropene  | 10.58 | 75  | 1686  | 0.372 ug/L # | 60     |
| 49) 2-Hexanone                 | 10.96 | 43  | 2166  | 1.747 ug/L # | 39     |
| 50) Dibromochloromethane       | 10.87 | 129 | 957   | 0.273 ug/L # | 11     |

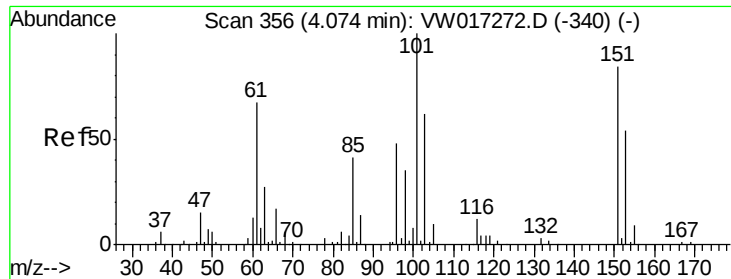
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW11720\  
Data File : VW017283.D  
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Operator : SY/VA  
Sample : L4710-21RE  
Misc : 4.46G/10ML/MSVOA W/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
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C0AY5RE

Quant Time: Nov 18 02:16:38 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: 0.246 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW017283.D

Acq: 17 Nov 2020 14:00

Instrument :

MSVOA\_W

ClientSampleId :

C0AY5RE

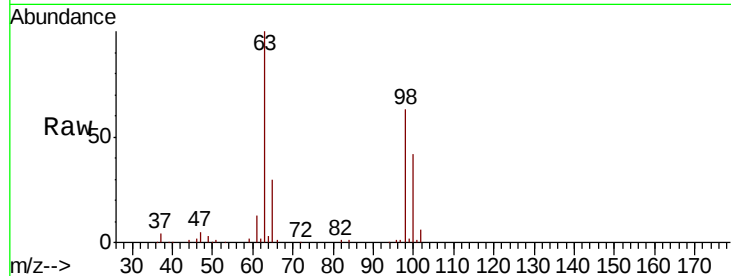
Tot Ion:101 Resp: 1137

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

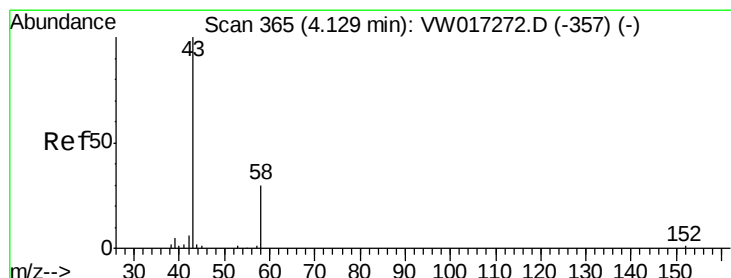
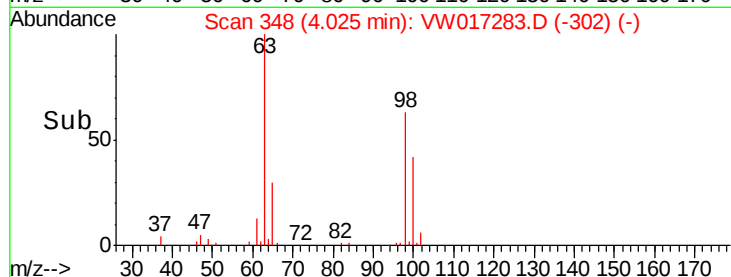
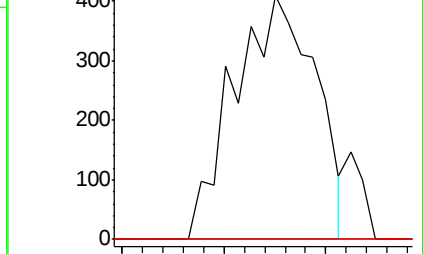
151 0.0 65.4 98.2#



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: 0.575 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017283.D

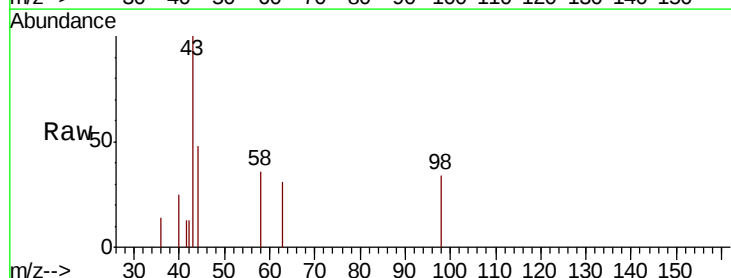
Acq: 17 Nov 2020 14:00

Tgt Ion: 43 Resp: 388

Ion Ratio Lower Upper

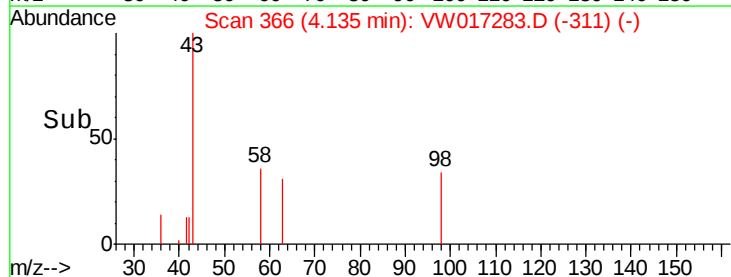
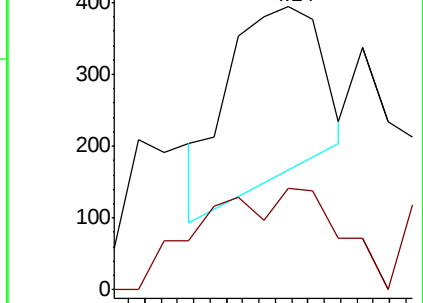
43 100

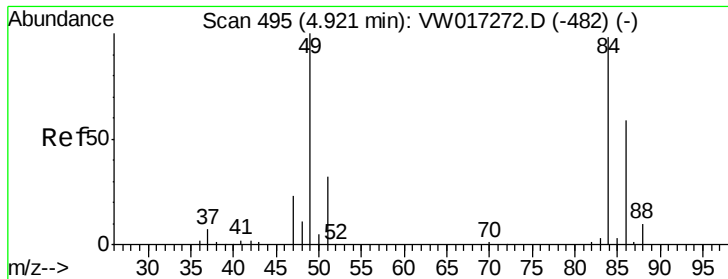
58 39.7 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

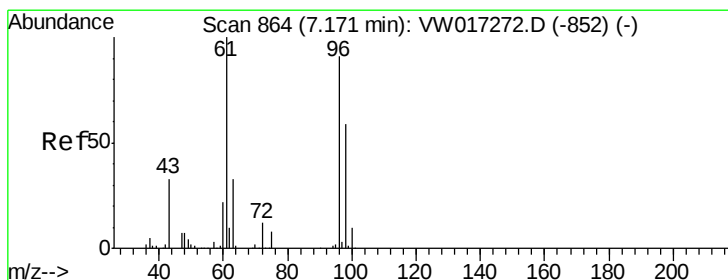
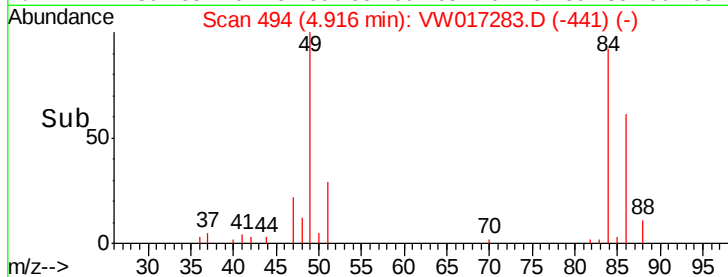
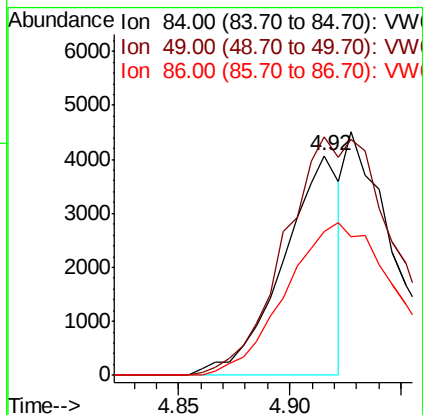
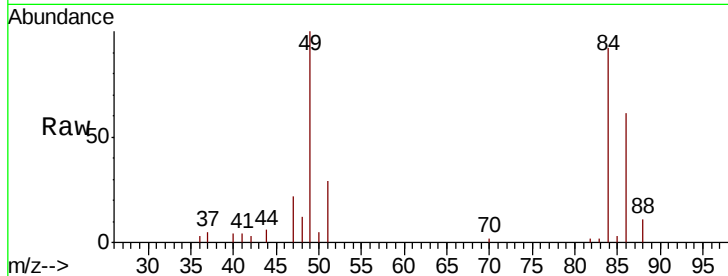




#16  
Methylene chloride  
Concen: 1.496 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VW017283.D  
Acq: 17 Nov 2020 14:00

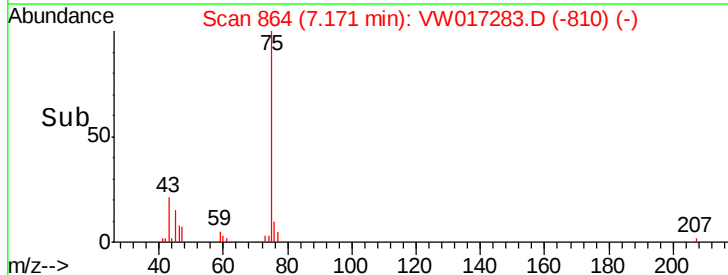
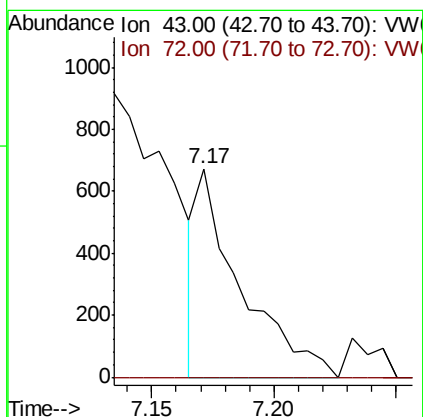
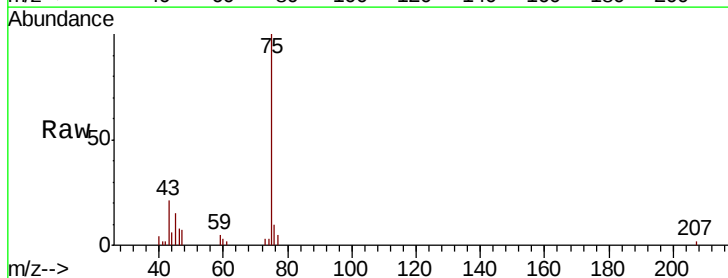
Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AY5RE

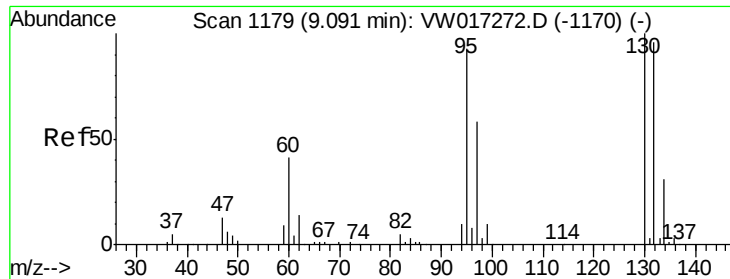
Tot Ion: 84 Resp: 7219  
Ion Ratio Lower Upper  
84 100  
49 108.4 72.3 134.3  
86 65.7 45.1 83.7



#21  
2-Butanone  
Concen: 0.756 ug/L  
RT: 7.17 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VW017283.D  
Acq: 17 Nov 2020 14:00

Tgt Ion: 43 Resp: 820  
Ion Ratio Lower Upper  
43 100  
72 0.0 16.1 48.3#





#35

Trichloroethene

Concen: 2.739 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017283.D

Acq: 17 Nov 2020 14:00

Instrument :

MSVOA\_W

ClientSampleId :

C0AY5RE

Tot Ion: 95 Resp: 10939

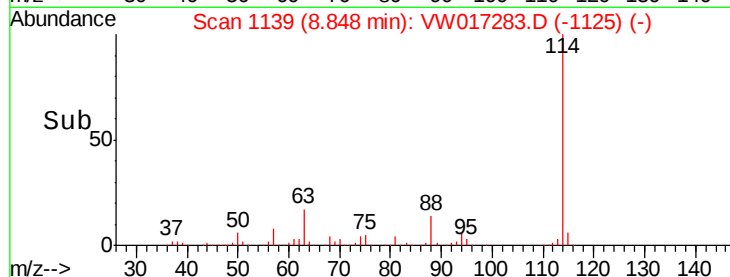
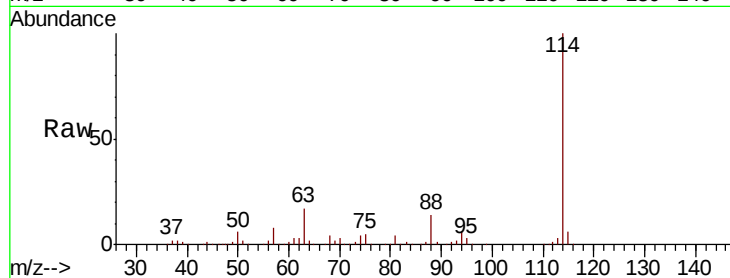
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#

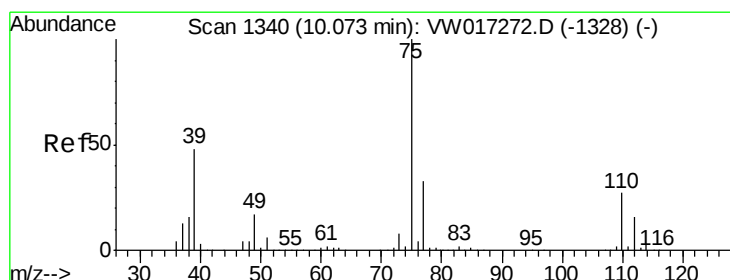
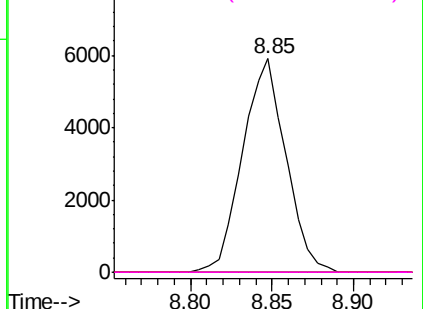


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#42

cis-1,3-Dichloropropene

Concen: 0.500 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017283.D

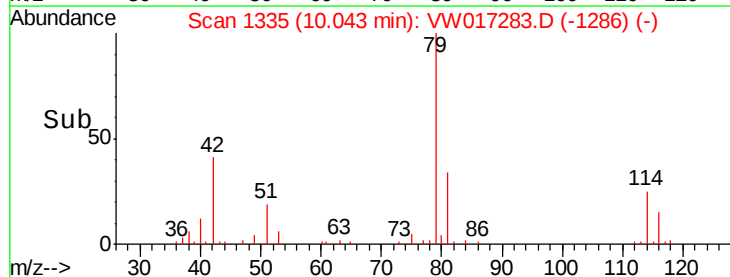
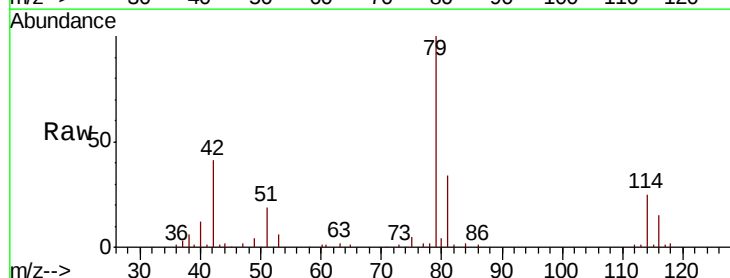
Acq: 17 Nov 2020 14:00

Tgt Ion: 75 Resp: 2639

Ion Ratio Lower Upper

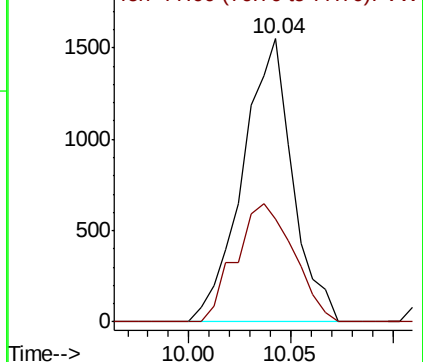
75 100

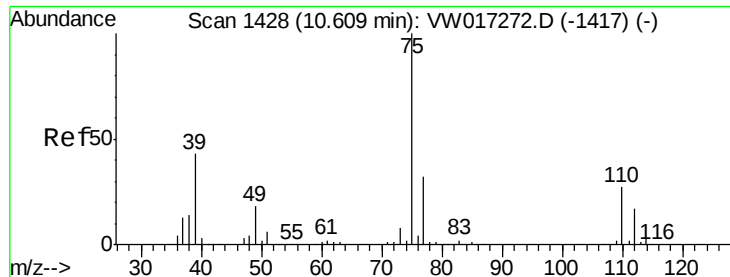
77 36.6 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.372 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017283.D

Acq: 17 Nov 2020 14:00

Instrument :

MSVOA\_W

ClientSampleId :

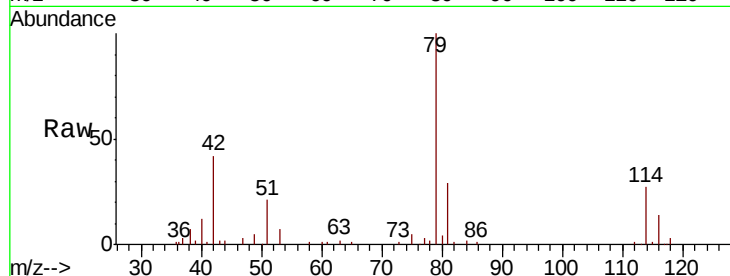
C0AY5RE

Tot Ion: 75 Resp: 1686

Ion Ratio Lower Upper

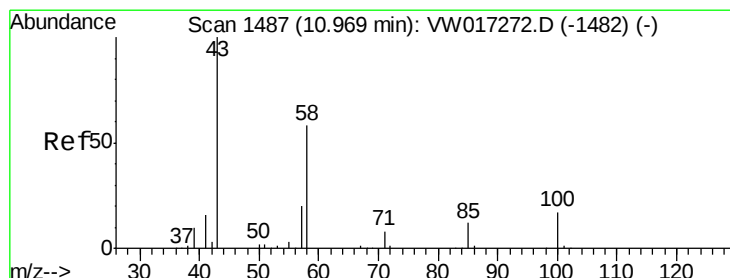
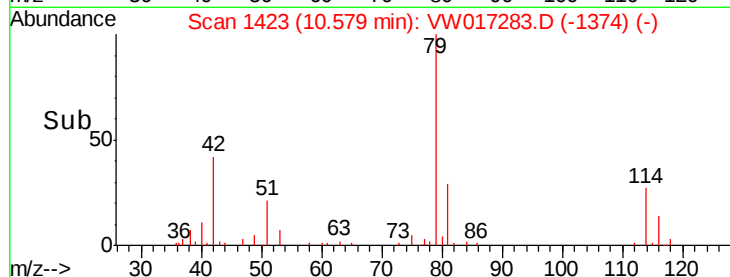
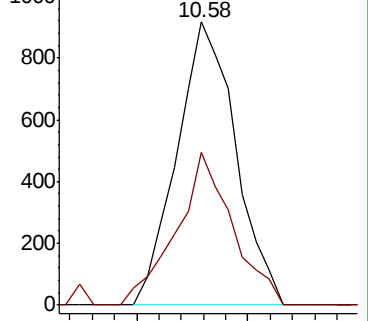
75 100

77 54.0 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: 1.747 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW017283.D

Acq: 17 Nov 2020 14:00

Tgt Ion: 43 Resp: 2166

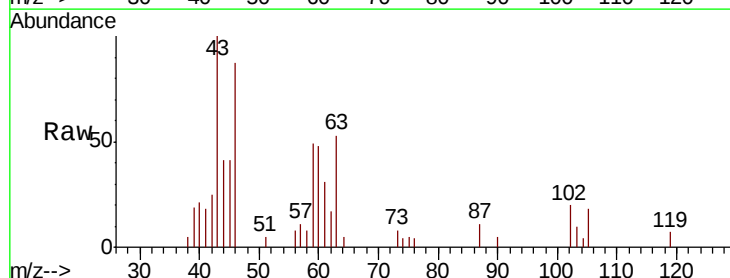
Ion Ratio Lower Upper

43 100

58 4.5 50.6 75.8#

57 5.4 17.8 26.6#

100 0.0 13.9 20.9#

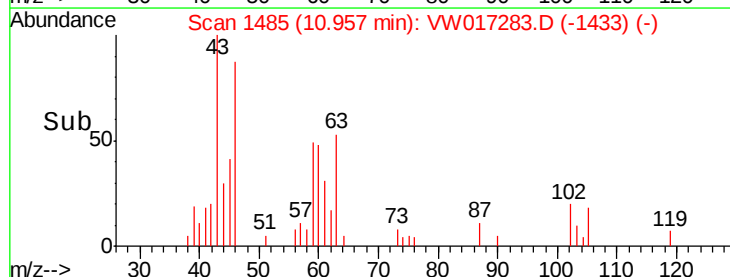
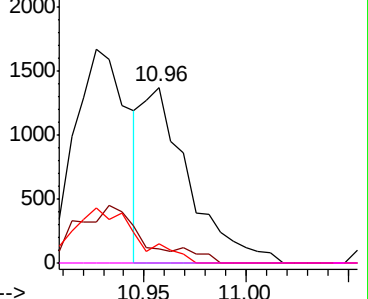


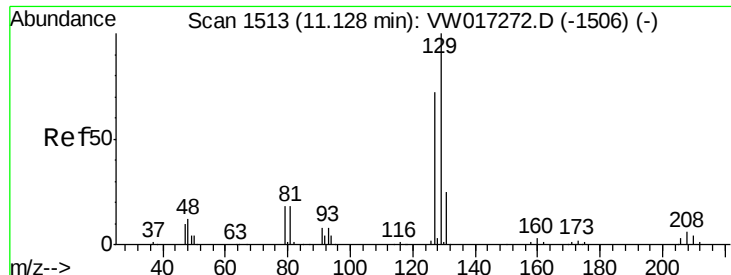
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#50

Dibromochloromethane

Concen: 0.273 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017283.D

Acq: 17 Nov 2020 14:00

Instrument :

MSVOA\_W

ClientSampleId :

C0AY5RE

Tot Ion:129 Resp: 957

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#

