

Data File : VW017376.D  
Acq On : 19 Nov 2020 16:56  
Operator : SY/VA  
Sample : L4793-11  
Misc : 6.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0BG6

Quant Time: Nov 20 01:21:41 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 20 01:18:11 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 351550   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 323873   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 151897   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 113207   | 21.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.00% |
| 7) Chloroethane-d5             | 2.90   | 69    | 92439    | 22.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.44% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 143917   | 15.81    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.24% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 33042    | 38.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.32% |
| 24) Chloroform-d               | 7.65   | 84    | 193440   | 20.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.80% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 96730    | 21.68    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 86.72% |
| 29) Benzene-d6                 | 8.28   | 84    | 387578   | 21.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.92% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 105968   | 21.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 87.16% |
| 37) Toluene-d8                 | 10.33  | 98    | 362907   | 21.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 84.44% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 42489    | 20.06    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.24% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 26148    | 40.09    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.18% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 78320    | 21.25    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.00% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 123583   | 22.04    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.16% |

#### Target Compounds

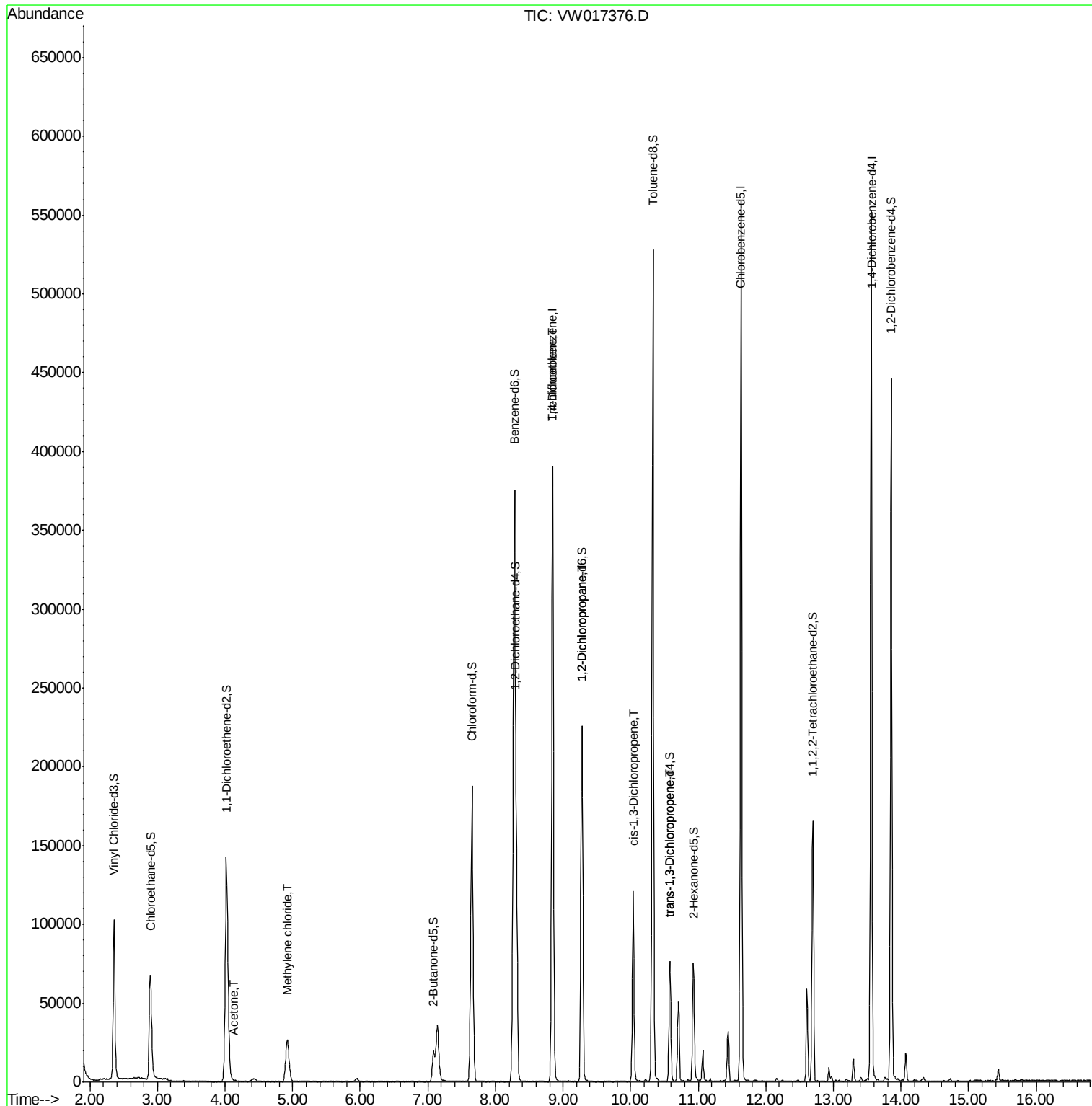
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.14  | 43 | 759   | 1.217 ug/L   | 79     |
| 16) Methylene chloride        | 4.92  | 84 | 12737 | 2.118 ug/L   | 98     |
| 35) Trichloroethene           | 8.84  | 95 | 10276 | 1.985 ug/L # | 2      |
| 40) 1,2-Dichloropropane       | 9.28  | 63 | 12481 | 3.016 ug/L # | 85     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75 | 3432  | 0.534 ug/L # | 83     |
| 45) trans-1,3-Dichloropropene | 10.59 | 75 | 2203  | 0.405 ug/L   | 84     |

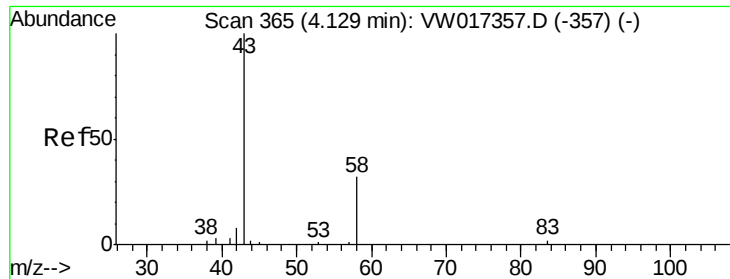
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW017376.D  
Acq On : 19 Nov 2020 16:56  
Operator : SY/VA  
Sample : L4793-11  
Misc : 6.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0BG6

Quant Time: Nov 20 01:21:41 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 20 01:18:11 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.217 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017376.D

Acq: 19 Nov 2020 16:56

Instrument :

MSVOA\_W

ClientSampled :

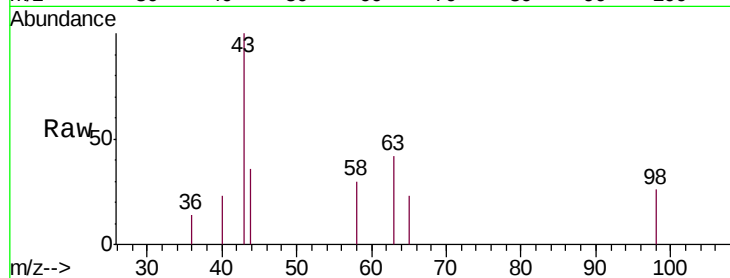
C0BG6

Tgt Ion: 43 Resp: 759

Ion Ratio Lower Upper

43 100

58 21.5 0.0 67.0



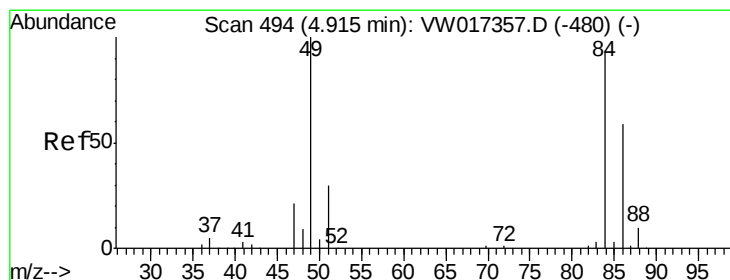
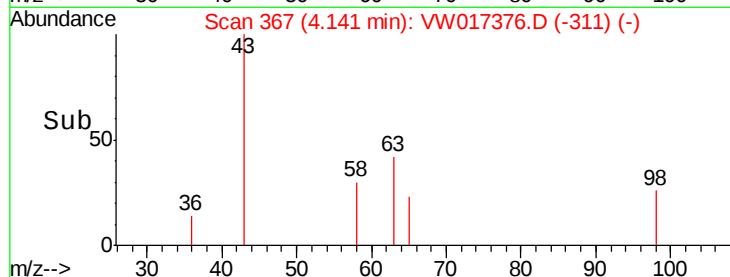
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4.12 4.14 4.16

Time-->



#16

Methylene chloride

Concen: 2.118 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW017376.D

Acq: 19 Nov 2020 16:56

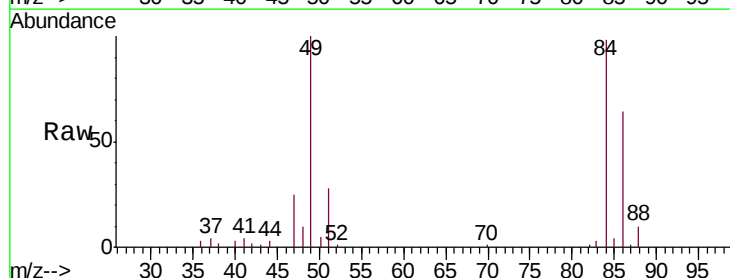
Tgt Ion: 84 Resp: 12737

Ion Ratio Lower Upper

84 100

49 102.3 71.5 132.9

86 65.5 42.8 79.4



Abundance Ion 84.00 (83.70 to 84.70): VW

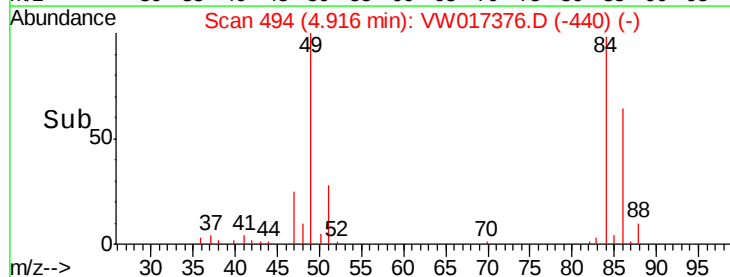
Ion 49.00 (48.70 to 49.70): VW

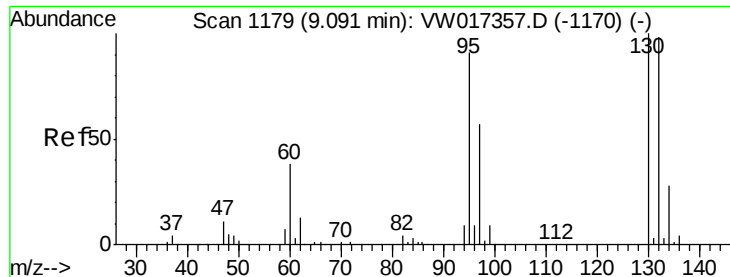
Ion 86.00 (85.70 to 86.70): VW

4.92

4.85 4.90 4.95

Time-->





#35

Trichloroethene

Concen: 1.985 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017376.D

Acq: 19 Nov 2020 16:56

Instrument :

MSVOA\_W

ClientSampleId :

C0BG6

Tgt Ion: 95 Resp: 10276

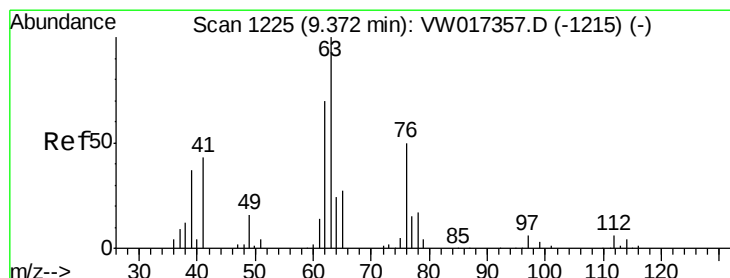
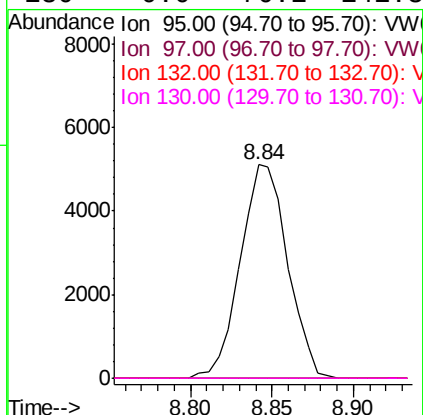
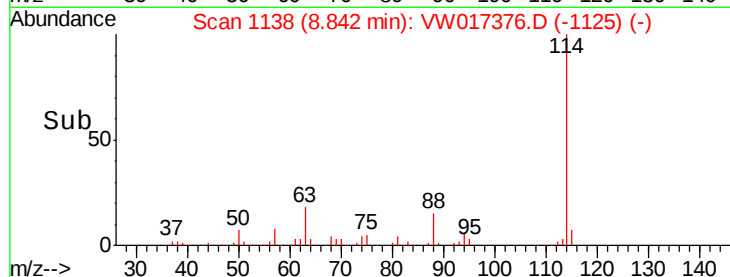
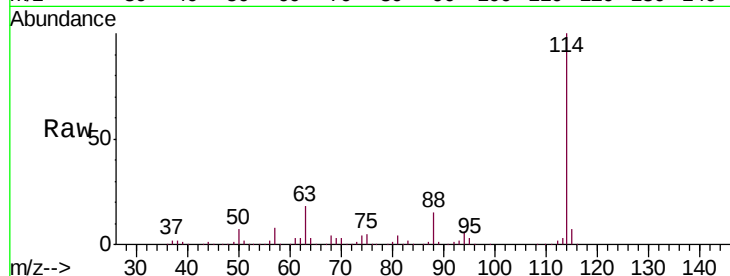
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#



#40

1,2-Dichloropropane

Concen: 3.016 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017376.D

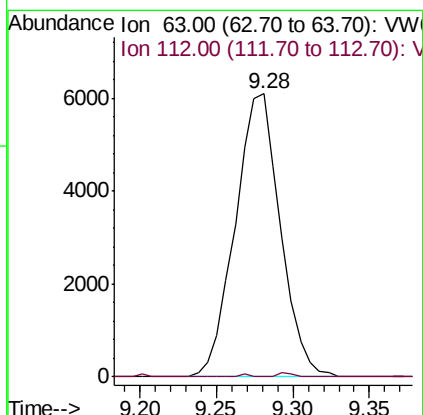
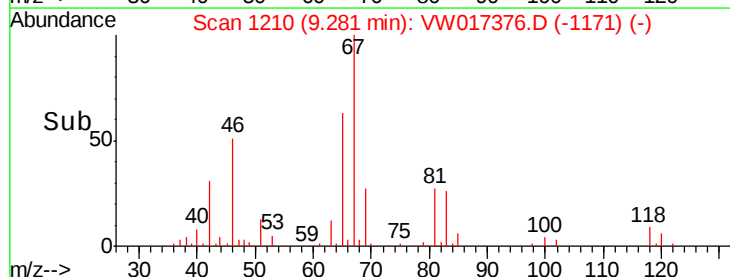
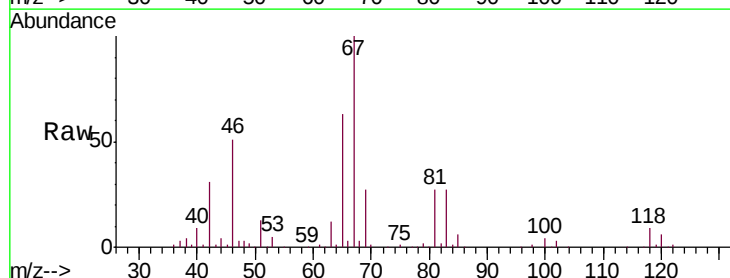
Acq: 19 Nov 2020 16:56

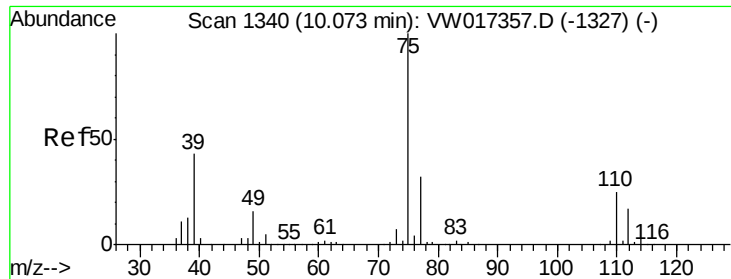
Tgt Ion: 63 Resp: 12481

Ion Ratio Lower Upper

63 100

112 0.4 4.2 6.4#





#42

cis-1,3-Dichloropropene

Concen: 0.534 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017376.D

Acq: 19 Nov 2020 16:56

Instrument :

MSVOA\_W

ClientSampled :

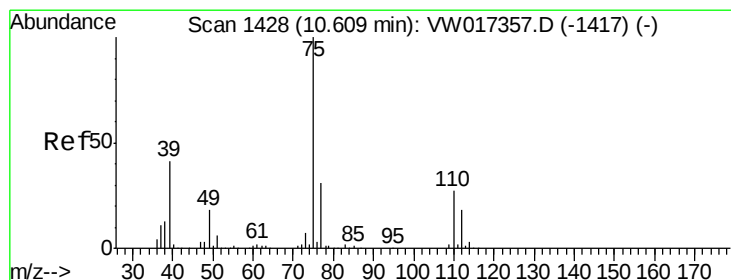
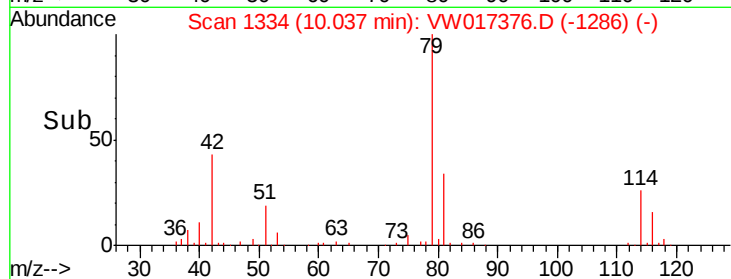
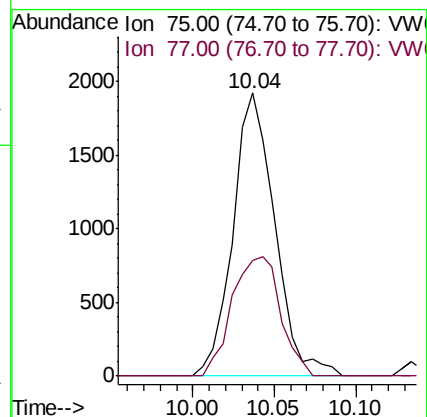
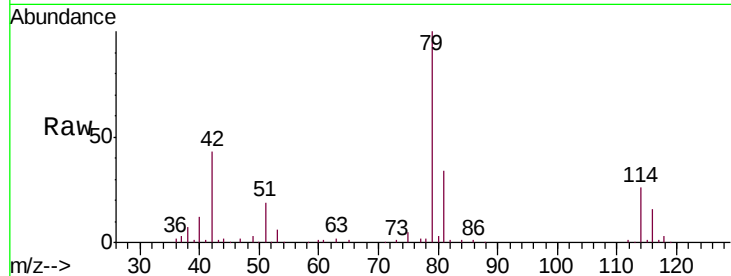
C0BG6

Tgt Ion: 75 Resp: 3432

Ion Ratio Lower Upper

75 100

77 40.7 21.8 40.4#



#45

trans-1,3-Dichloropropene

Concen: 0.405 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017376.D

Acq: 19 Nov 2020 16:56

Tgt Ion: 75 Resp: 2203

Ion Ratio Lower Upper

75 100

77 40.3 22.0 40.8

