

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120720\  
 Data File : VW017572.D  
 Acq On : 07 Dec 2020 12:22  
 Operator : SY/VA  
 Sample : L4941-08RE  
 Misc : 5.09G/10ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0B10

Quant Time: Dec 08 06:47:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 08 06:44:18 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 392615   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 358927   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 177708   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 93166    | 17.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.08%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 83508    | 18.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.44%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 168241   | 14.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.64%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 56951    | 50.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.56% |
| 24) Chloroform-d               | 7.65   | 84    | 248130   | 21.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.88%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 132296   | 23.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.44%  |
| 29) Benzene-d6                 | 8.28   | 84    | 471911   | 21.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.00%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 138220   | 22.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.00%  |
| 37) Toluene-d8                 | 10.33  | 98    | 420985   | 20.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.68%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 56605    | 20.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.20%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 33531    | 42.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.14%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 107470   | 23.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 93.84%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 146659   | 21.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 87.48%  |

## Target Compounds

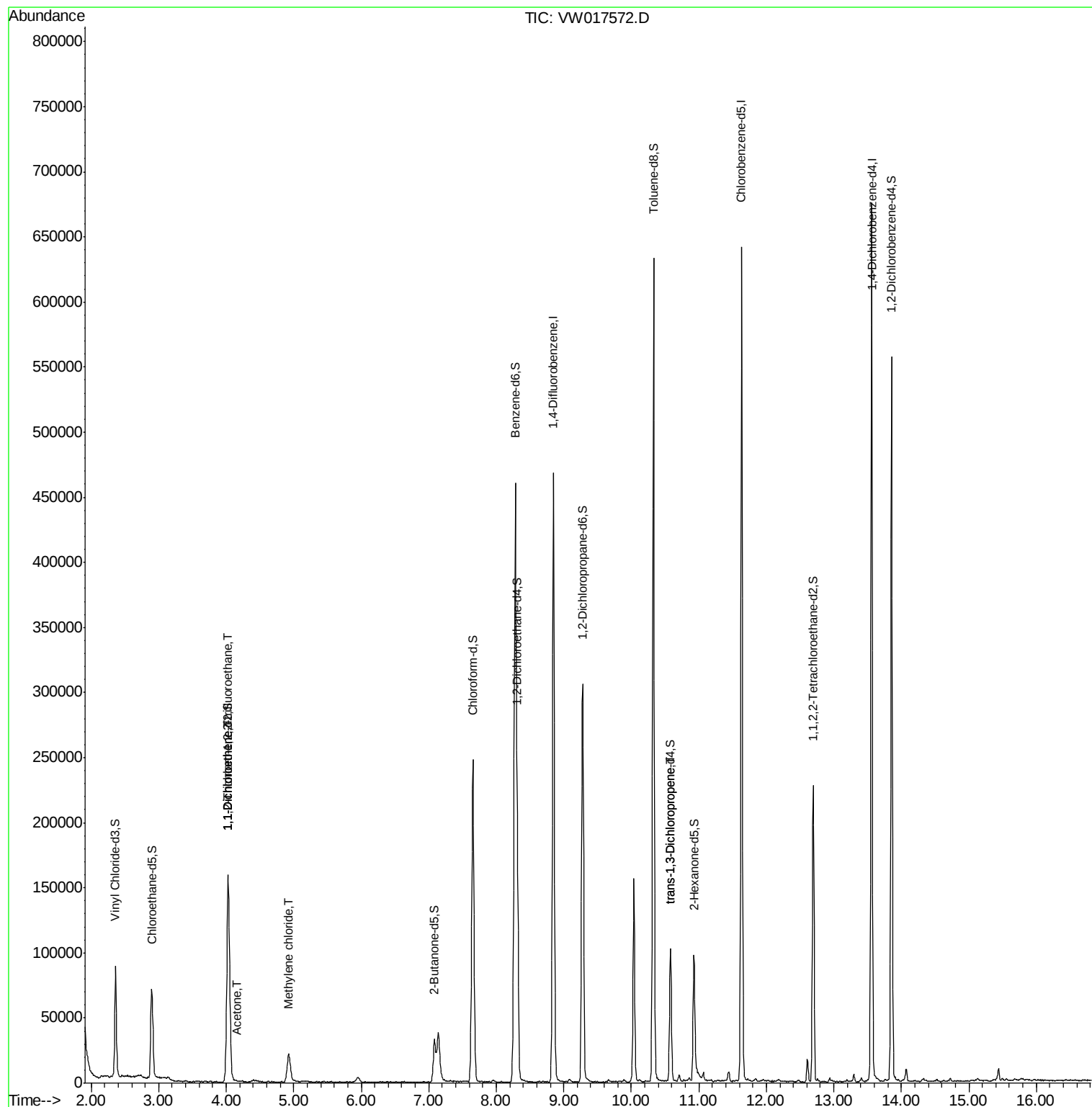
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.03  | 101 | 1802  | 0.320 ug/L # | 39     |
| 12) 1,1-Dichloroethene         | 4.02  | 96  | 1668  | 0.305 ug/L # | 1      |
| 13) Acetone                    | 4.15  | 43  | 396   | 0.359 ug/L   | 98     |
| 16) Methylene chloride         | 4.93  | 84  | 18274 | 3.087 ug/L   | 96     |
| 45) trans-1,3-Dichloropropene  | 10.58 | 75  | 2847  | 0.416 ug/L # | 58     |

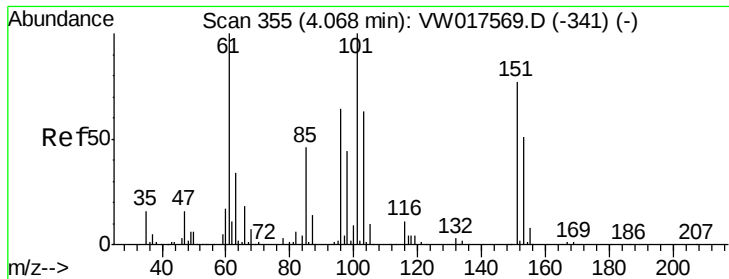
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120720\  
Data File : VW017572.D  
Acq On : 07 Dec 2020 12:22  
Operator : SY/VA  
Sample : L4941-08RE  
Misc : 5.09G/10ML/MSVOA W/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0B10

Quant Time: Dec 08 06:47:27 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 08 06:44:18 2020  
Response via : Initial Calibration





#11

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

Concen: 0.320 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.04 min

Lab File: VW017572.D

Acq: 07 Dec 2020 12:22

Instrument :

MSVOA\_W

ClientSampleId :

C0B10

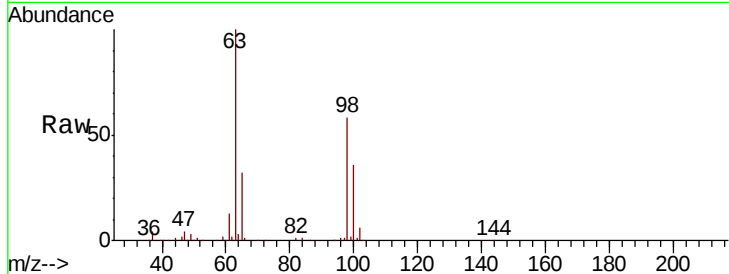
Tot Ion:101 Resp: 1802

Ion Ratio Lower Upper

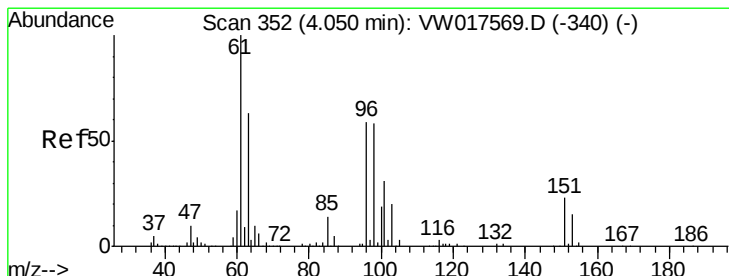
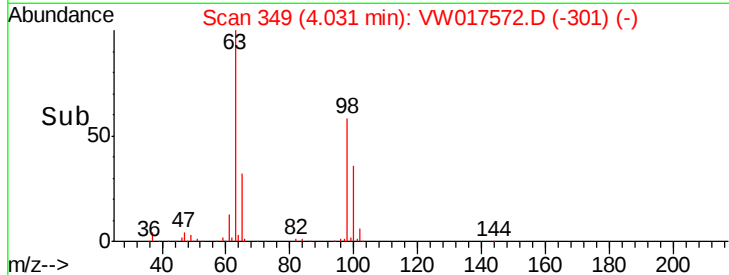
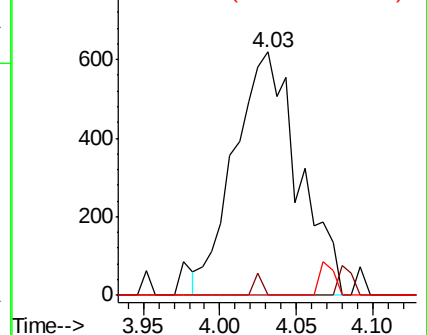
101 100

85 2.7 34.2 51.4#

151 3.0 30.4 45.6#



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



#12

1,1-Dichloroethene

Concen: 0.305 ug/L

RT: 4.02 min Scan# 348

Delta R.T. -0.02 min

Lab File: VW017572.D

Acq: 07 Dec 2020 12:22

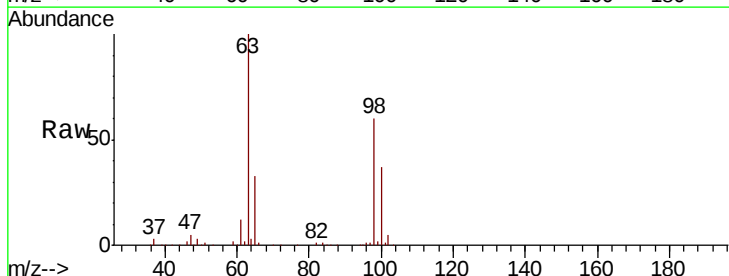
Tgt Ion: 96 Resp: 1668

Ion Ratio Lower Upper

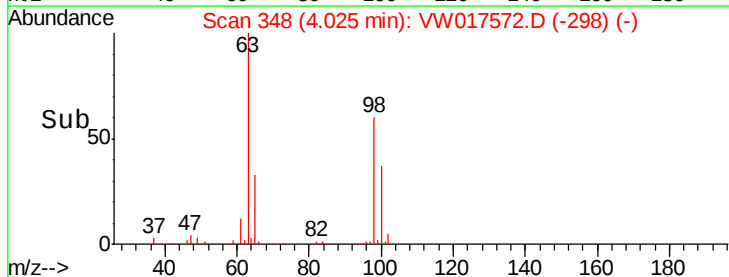
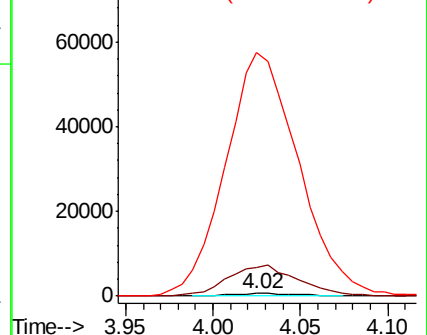
96 100

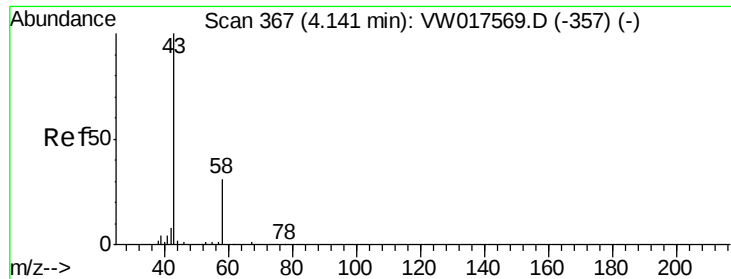
61 1033.8 112.5 208.9#

63 8915.3 83.1 154.3#



Abundance Ion 96.00 (95.70 to 96.70): VW  
Ion 61.00 (60.70 to 61.70): VW  
Ion 63.00 (62.70 to 63.70): VW

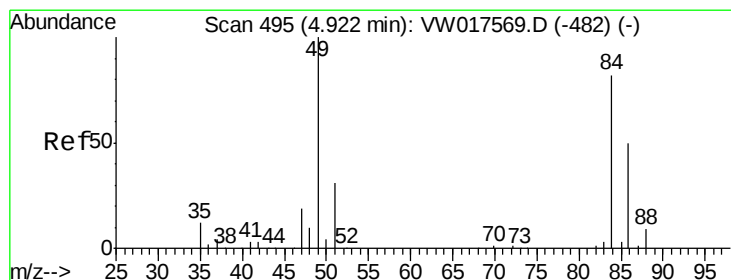
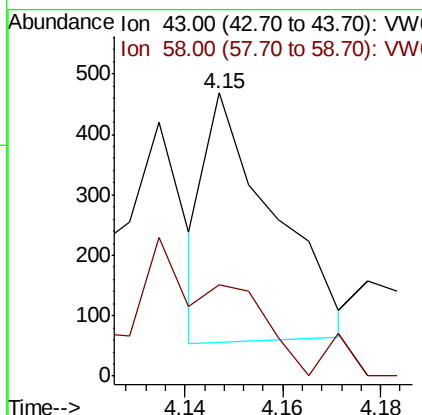
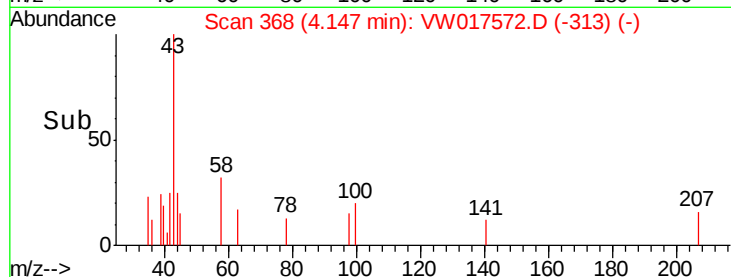
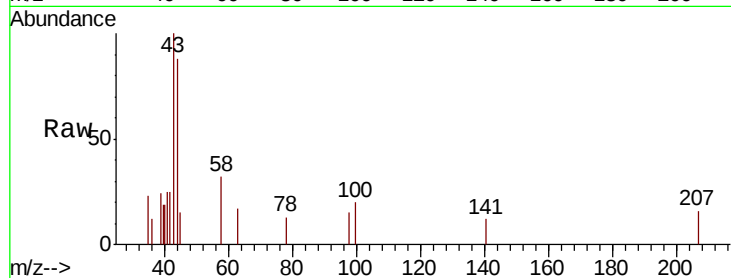




#13  
Acetone  
Concen: 0.359 ug/L  
RT: 4.15 min Scan# 368  
Delta R.T. 0.01 min  
Lab File: VW017572.D  
Acq: 07 Dec 2020 12:22

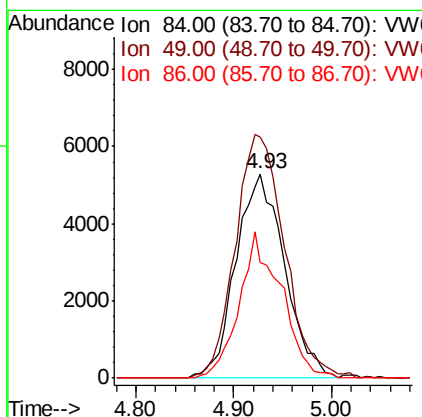
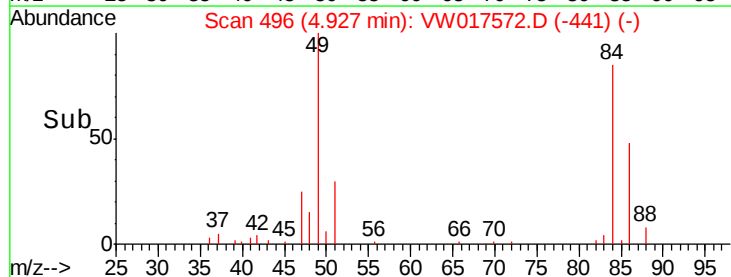
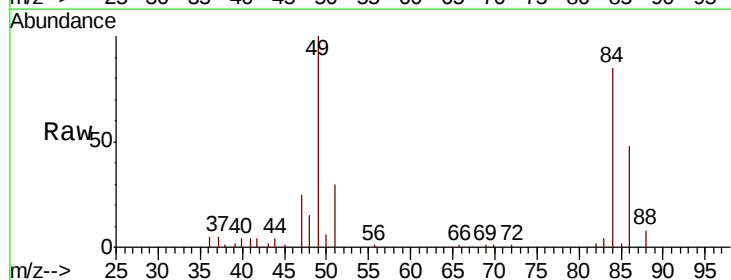
Instrument :  
MSVOA\_W  
ClientSampled :  
C0B10

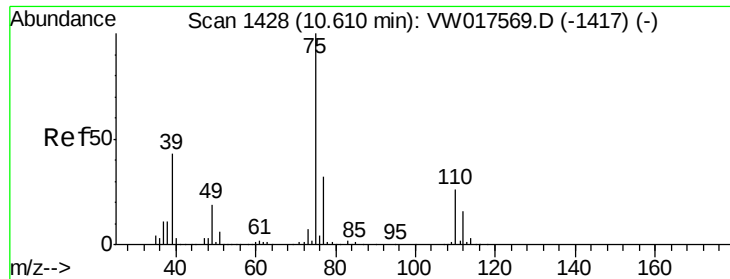
Tot Ion: 43 Resp: 396  
Ion Ratio Lower Upper  
43 100  
58 32.8 0.0 68.4



#16  
Methylene chloride  
Concen: 3.087 ug/L  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW017572.D  
Acq: 07 Dec 2020 12:22

Tgt Ion: 84 Resp: 18274  
Ion Ratio Lower Upper  
84 100  
49 117.9 81.2 150.8  
86 56.5 44.5 82.7





#45

trans-1,3-Dichloropropene

Concen: 0.416 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017572.D

Acq: 07 Dec 2020 12:22

Instrument :

MSVOA\_W

ClientSampleId :

C0B10

Tot Ion: 75 Resp: 2847

Ion Ratio Lower Upper

75 100

77 55.7 22.6 42.0#

