

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\  
 Data File : VW017314.D  
 Acq On : 18 Nov 2020 03:03  
 Operator : SY/VA  
 Sample : L4738-20  
 Misc : 4.65G/10ML/MSVOA W/SOIL  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB0Y7

Quant Time: Nov 18 04:53:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 18 04:50:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 459277   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 436173   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 183031   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 97816    | 16.91    | ug/L | -0.01  |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 67.64% |
| 7) Chloroethane-d5             | 2.89   | 69    | 90801    | 20.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.48% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 143138   | 13.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.32% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 58970    | 45.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.16% |
| 24) Chloroform-d               | 7.65   | 84    | 251335   | 23.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.76% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 132902   | 24.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 99.72% |
| 29) Benzene-d6                 | 8.27   | 84    | 476729   | 21.46    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.84% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 143765   | 23.40    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 93.60% |
| 37) Toluene-d8                 | 10.33  | 98    | 461452   | 22.03    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.12% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 56630    | 20.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.76% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 49349    | 46.03    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.06% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 125222   | 23.40    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 93.60% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 158526   | 24.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.32% |

## Target Compounds

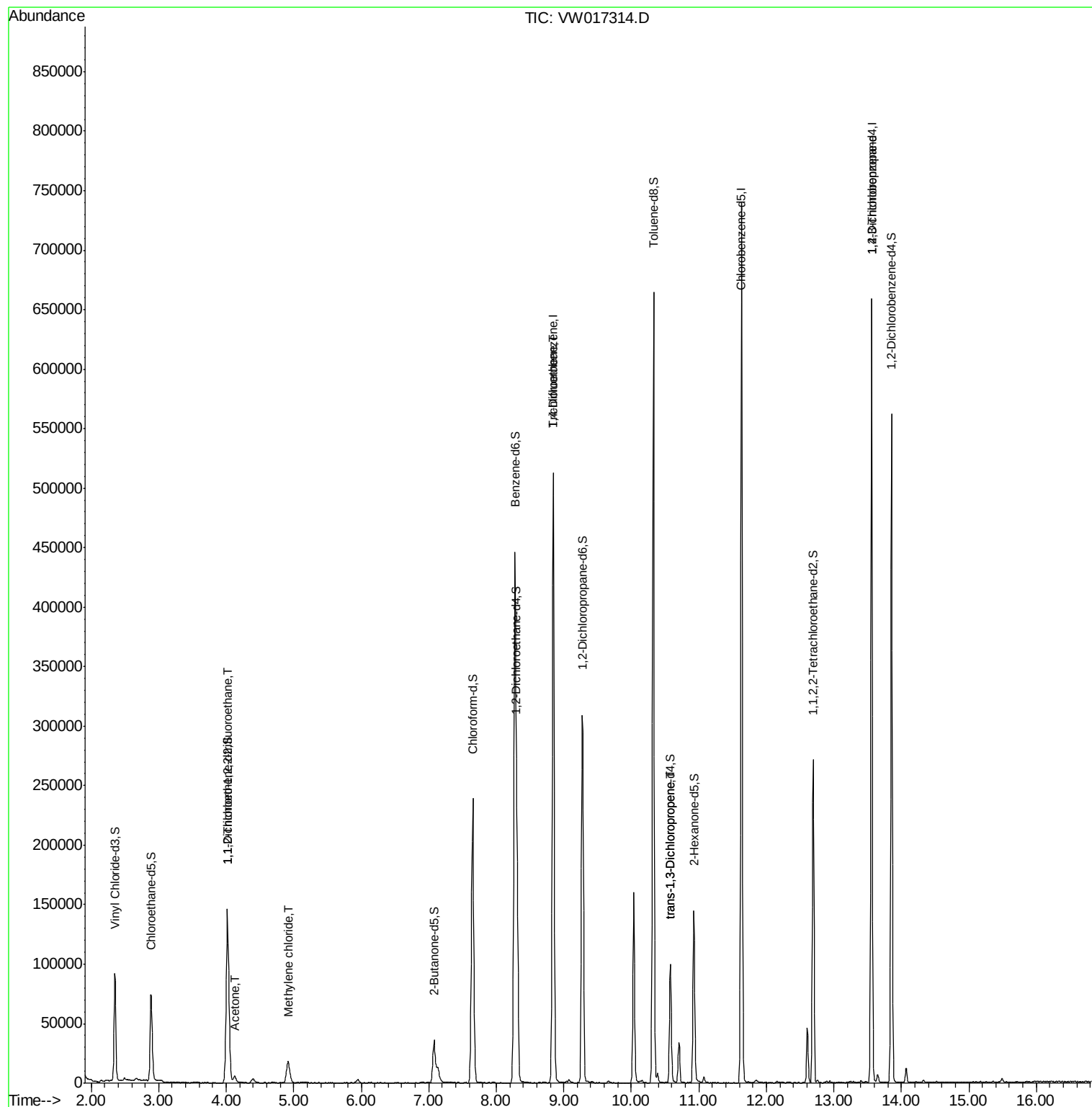
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.02  | 101 | 1612  | 0.272 ug/L # | 17     |
| 13) Acetone                    | 4.13  | 43  | 10409 | 12.017 ug/L  | 94     |
| 16) Methylene chloride         | 4.92  | 84  | 15985 | 2.582 ug/L   | 96     |
| 35) Trichloroethene            | 8.85  | 95  | 13502 | 2.105 ug/L # | 2      |
| 45) trans-1,3-Dichloropropene  | 10.58 | 75  | 2653  | 0.364 ug/L   | 98     |
| 59) 1,2,3-Trichloropropane     | 13.56 | 75  | 19258 | 5.024 ug/L   | 93     |

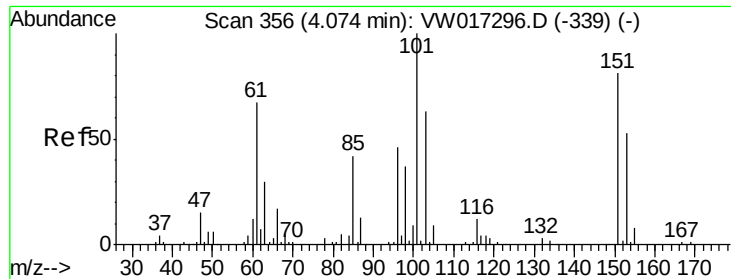
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW11720\  
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Sample : L4738-20  
Misc : 4.65G/10ML/MSVOA W/SOIL  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB0Y7

Quant Time: Nov 18 04:53:55 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Nov 18 04:50:20 2020  
Response via : Initial Calibration





#11

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

Concen: 0.272 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.06 min

Lab File: VW017314.D

Acq: 18 Nov 2020 03:03

Instrument :

MSVOA\_W

ClientSampleId :

GB0Y7

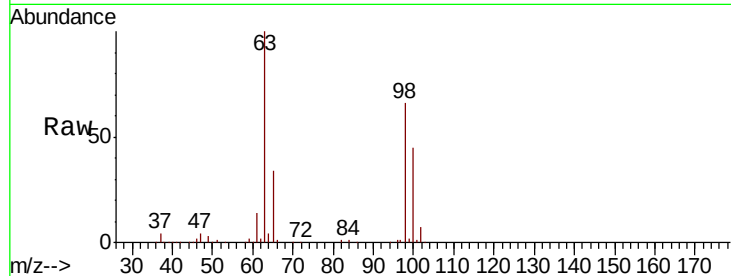
Tot Ion:101 Resp: 1612

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

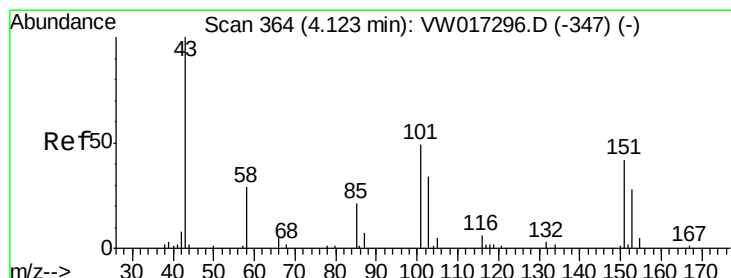
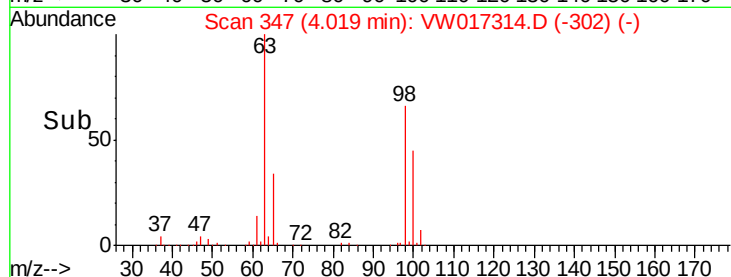
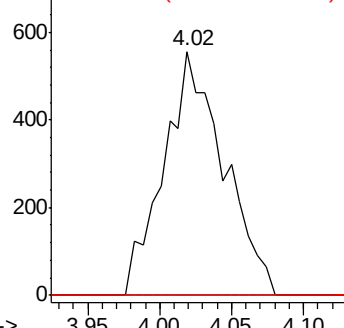
151 0.0 65.4 98.2#



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: 12.017 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017314.D

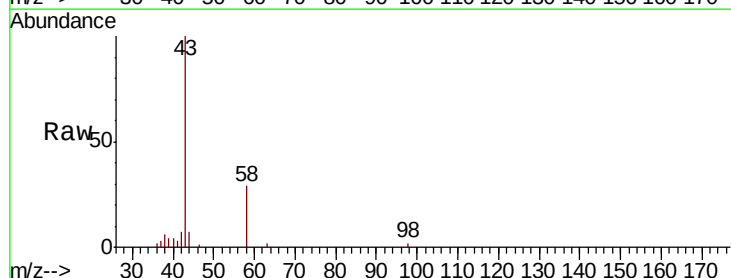
Acq: 18 Nov 2020 03:03

Tgt Ion: 43 Resp: 10409

Ion Ratio Lower Upper

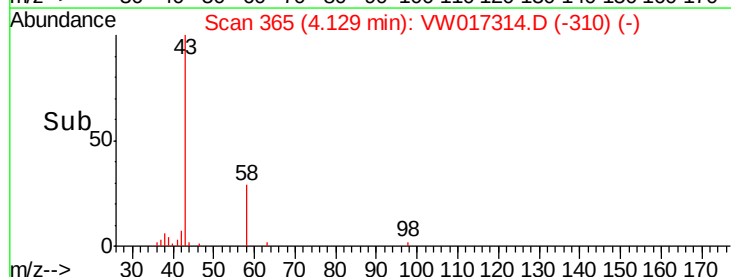
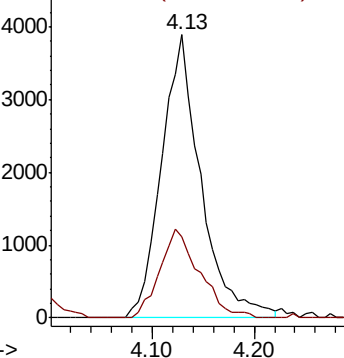
43 100

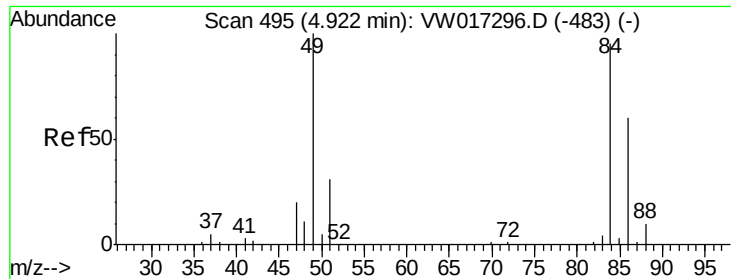
58 30.9 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

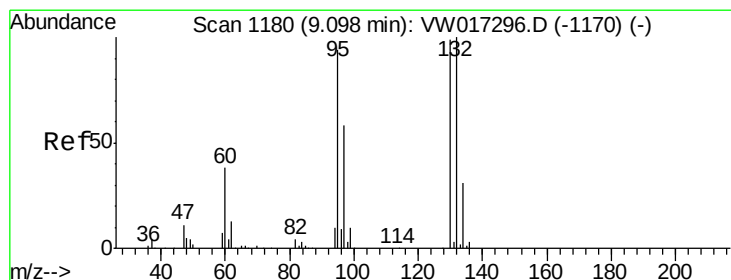
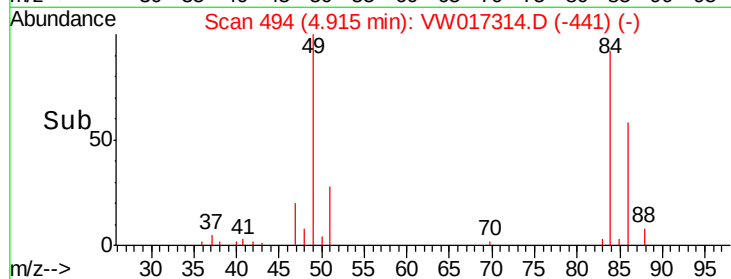
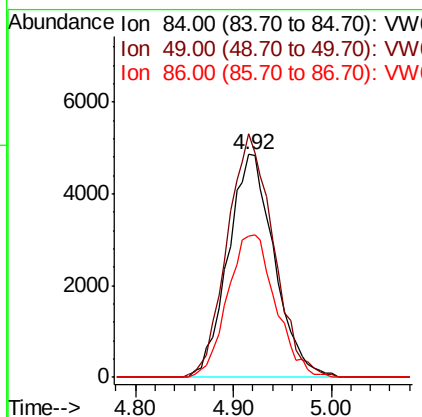
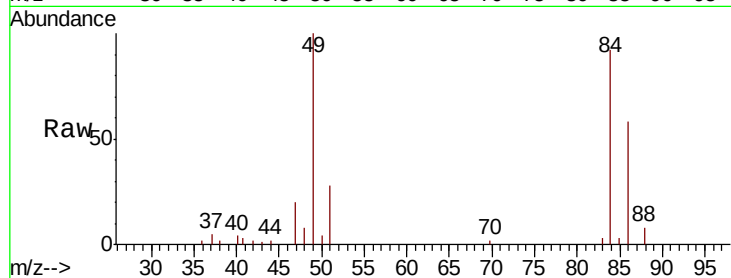




#16  
Methvlene chloride  
Concen: 2.582 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VW017314.D  
Acq: 18 Nov 2020 03:03

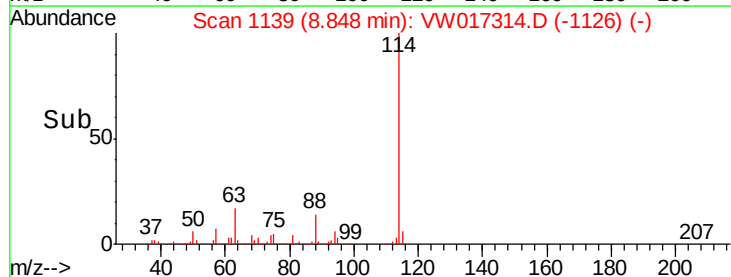
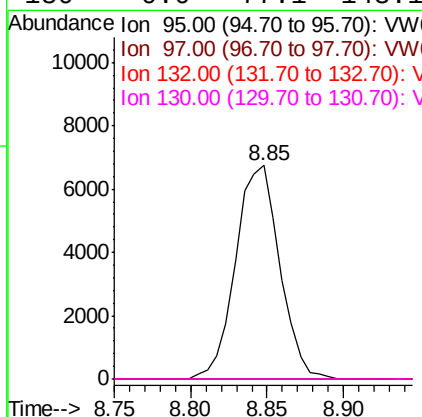
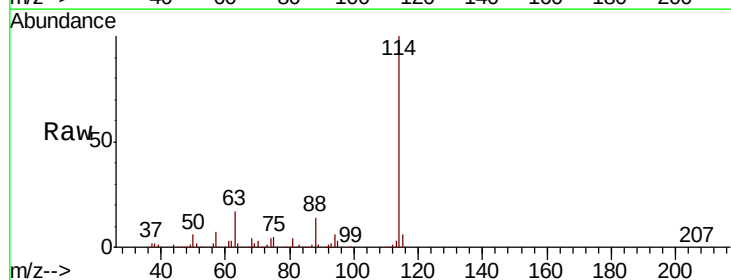
Instrument :  
MSVOA\_W  
ClientSampleId :  
GB0Y7

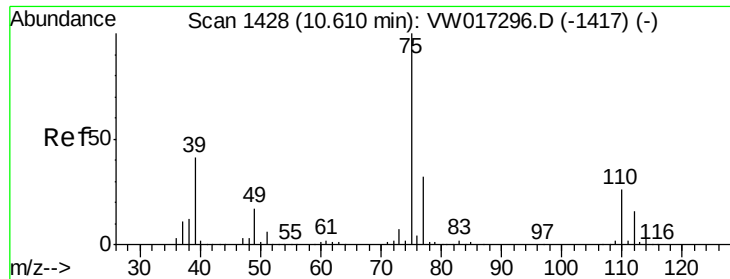
Tot Ion: 84 Resp: 15985  
Ion Ratio Lower Upper  
84 100  
49 109.2 72.3 134.3  
86 63.6 45.1 83.7



#35  
Trichloroethene  
Concen: 2.105 ug/L  
RT: 8.85 min Scan# 1139  
Delta R.T. -0.25 min  
Lab File: VW017314.D  
Acq: 18 Nov 2020 03:03

Tgt Ion: 95 Resp: 13502  
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#





#45

trans-1,3-Dichloropropene

Concen: 0.364 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017314.D

Acq: 18 Nov 2020 03:03

Instrument :

MSVOA\_W

ClientSampleId :

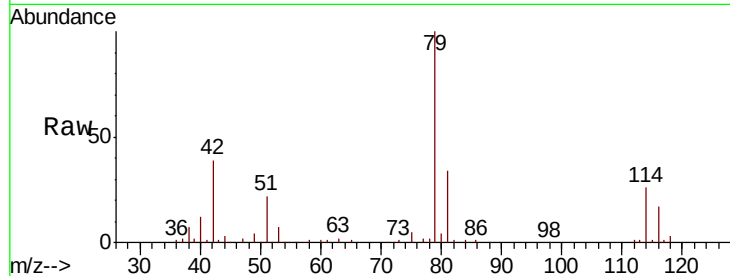
GB0Y7

Tot Ion: 75 Resp: 2653

Ion Ratio Lower Upper

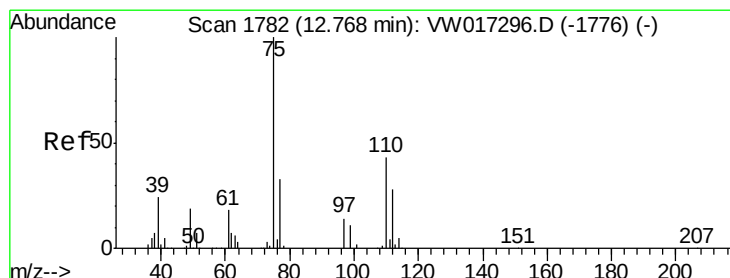
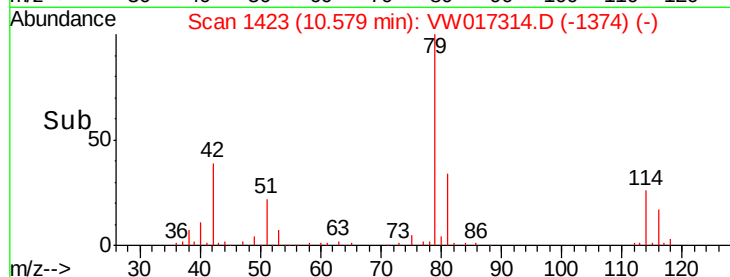
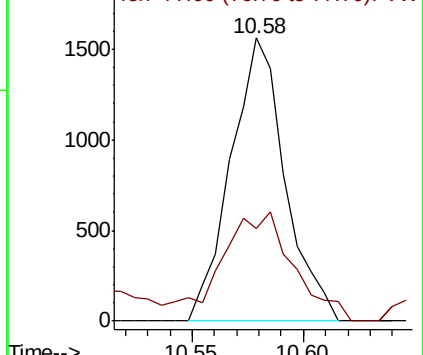
75 100

77 32.7 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: 5.024 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017314.D

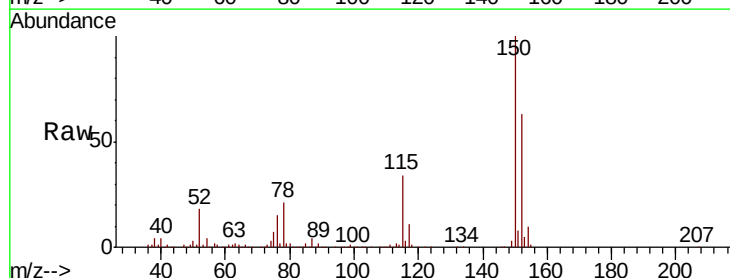
Acq: 18 Nov 2020 03:03

Tgt Ion: 75 Resp: 19258

Ion Ratio Lower Upper

75 100

77 37.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

