

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040819\  
 Data File : VW009823.D  
 Acq On : 09 Apr 2019 01:52  
 Operator : SY/VA  
 Sample : K2217-20  
 Misc : 5.35G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF610

Quant Time: Apr 09 05:27:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 09 02:37:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 425812   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 412716   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 161017   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 125245   | 22.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.92%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 119362   | 23.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.52%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 225897   | 18.85    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 75.40%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 123533   | 68.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 136.56%# |
| 24) Chloroform-d               | 7.64   | 84    | 338523   | 29.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 116.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 227213   | 31.85    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 127.40%  |
| 29) Benzene-d6                 | 8.27   | 84    | 614164   | 28.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 113.40%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 199100   | 29.75    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 119.00%  |
| 37) Toluene-d8                 | 10.32  | 98    | 534747   | 26.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 106.76%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 81232    | 25.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 101.80%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 76765    | 60.86    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 121.72%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 193613   | 31.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 124.48%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 183324   | 32.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 129.80%# |

## Target Compounds

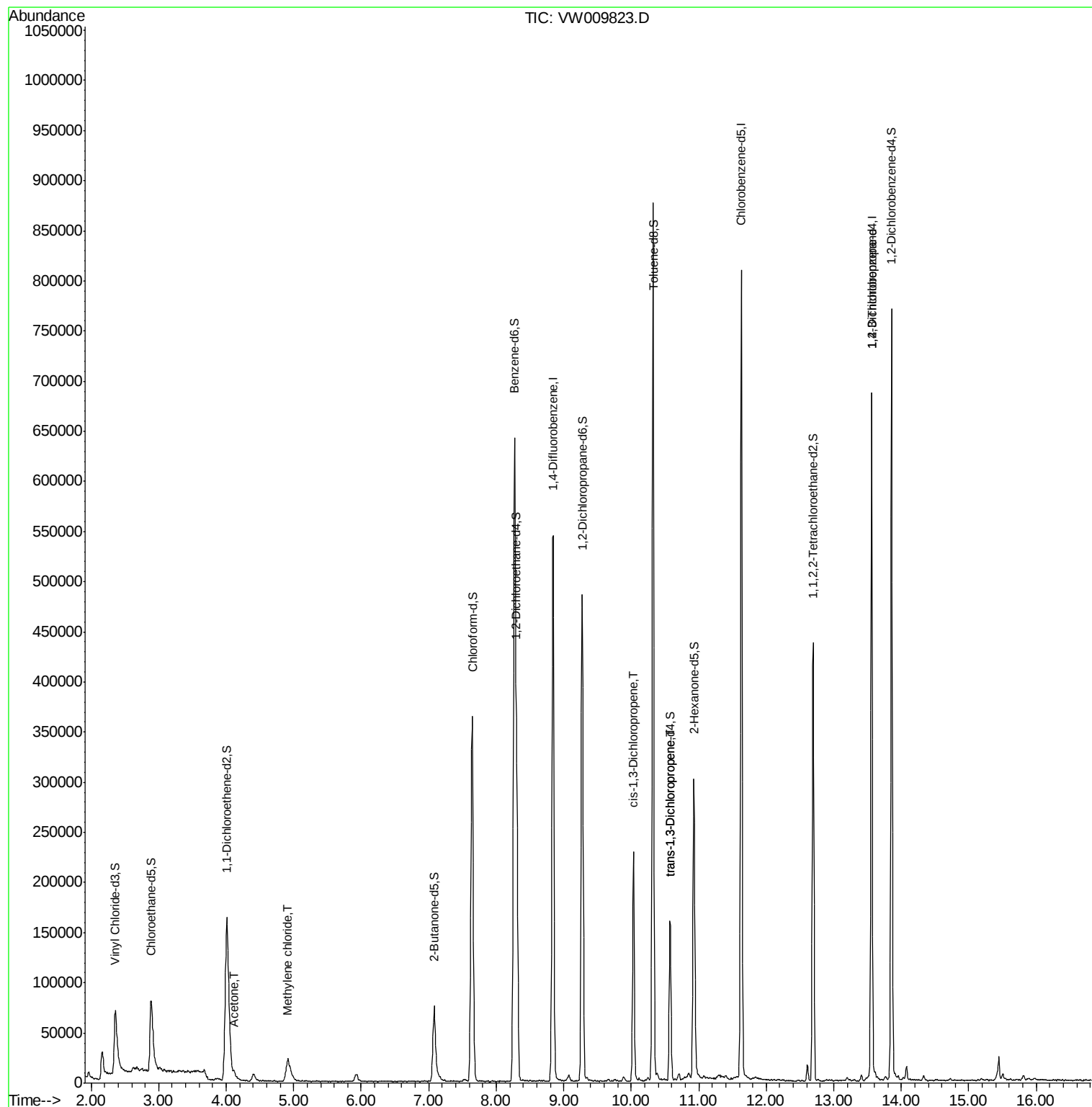
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.12  | 43 | 7693  | 3.969 ug/L   | 73     |
| 16) Methylene chloride        | 4.90  | 84 | 8235  | 1.097 ug/L   | 96     |
| 42) cis-1,3-Dichloropropene   | 10.03 | 75 | 6510  | 0.661 ug/L # | 66     |
| 45) trans-1,3-Dichloropropene | 10.57 | 75 | 4253  | 0.501 ug/L # | 74     |
| 59) 1,2,3-Trichloropropane    | 13.56 | 75 | 21382 | 4.477 ug/L   | 89     |

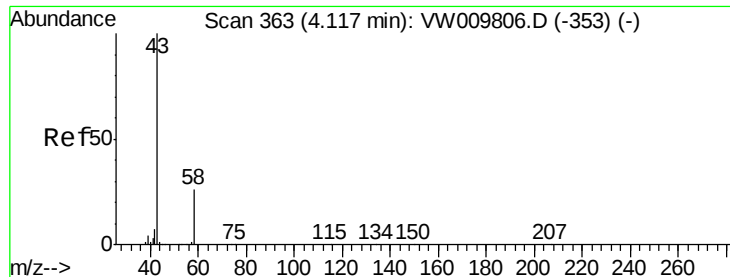
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.969 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009823.D

Acq: 09 Apr 2019 01:52

Instrument :

MSVOA\_W

ClientSampled :

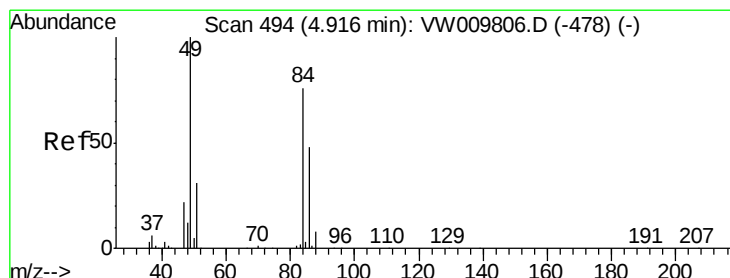
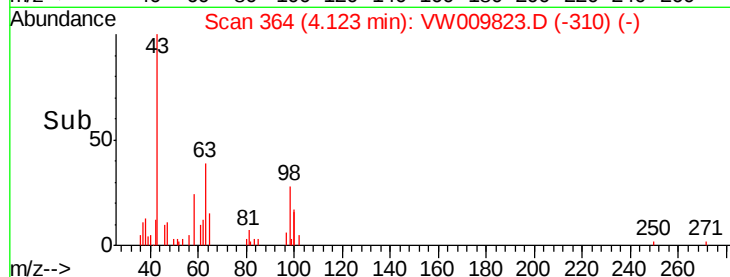
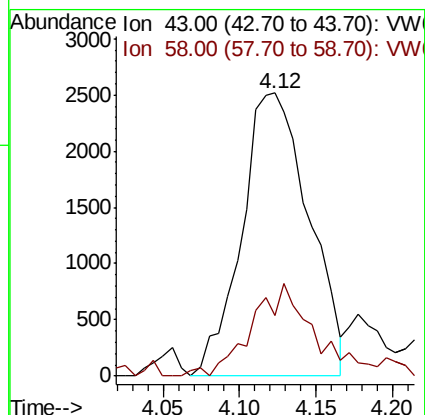
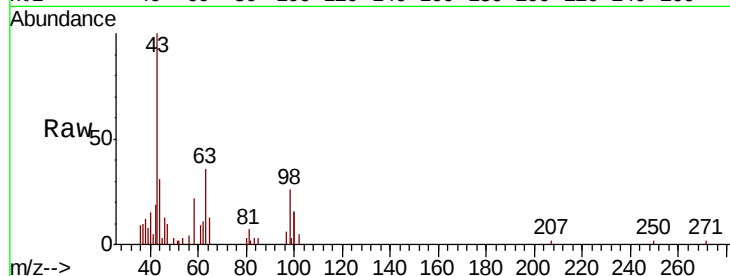
BF610

Tgt Ion: 43 Resp: 7693

Ion Ratio Lower Upper

43 100

58 12.6 0.0 53.0



#16

Methylene chloride

Concen: 1.097 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW009823.D

Acq: 09 Apr 2019 01:52

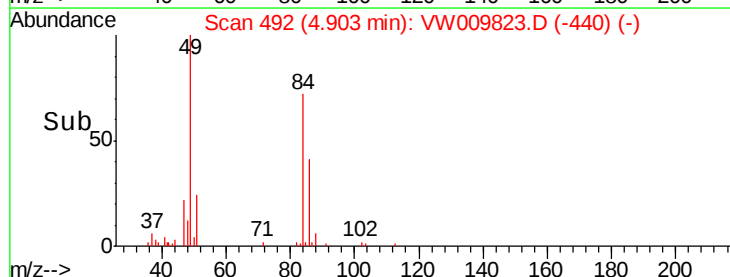
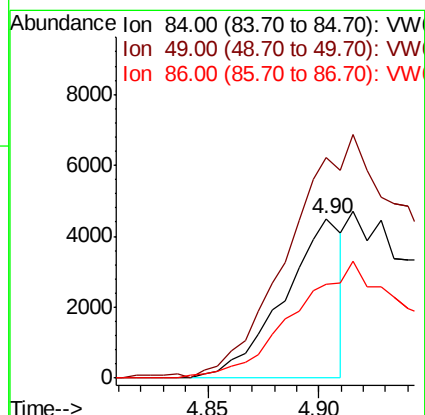
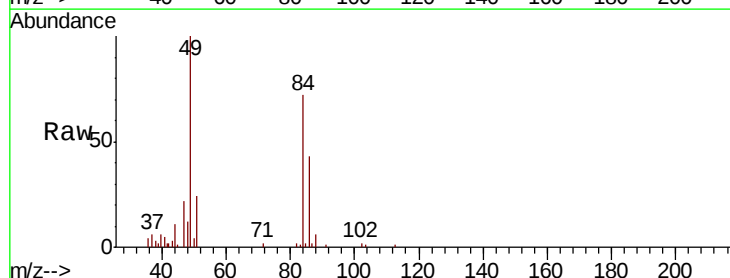
Tgt Ion: 84 Resp: 8235

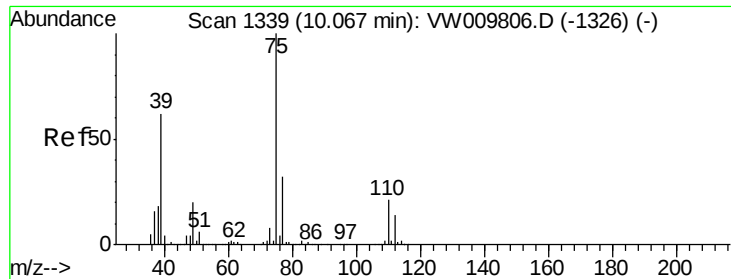
Ion Ratio Lower Upper

84 100

49 138.1 98.3 182.5

86 58.7 46.4 86.2





#42

cis-1,3-Dichloropropene

Concen: 0.661 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009823.D

Acq: 09 Apr 2019 01:52

Instrument :

MSVOA\_W

ClientSampled :

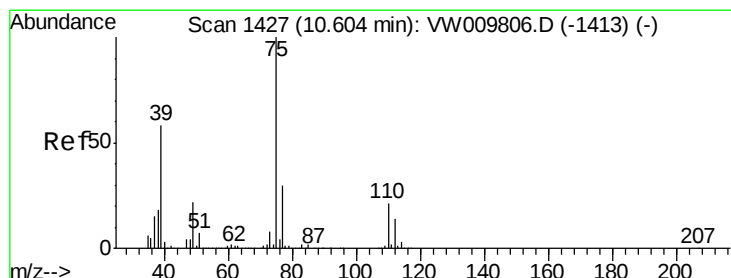
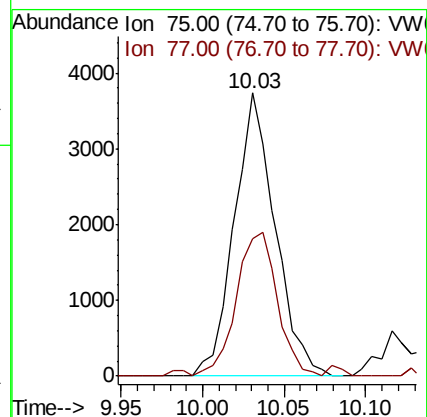
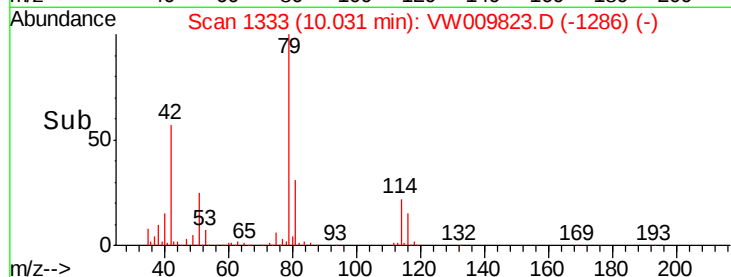
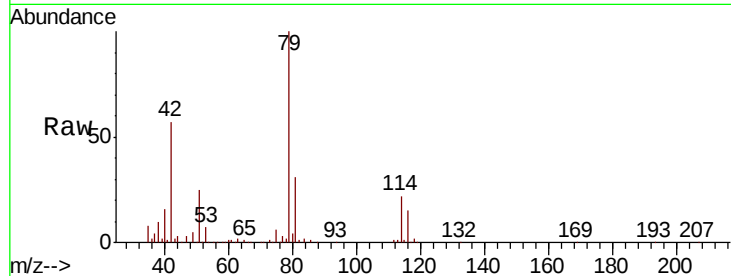
BF610

Tgt Ion: 75 Resp: 6510

Ion Ratio Lower Upper

75 100

77 48.4 21.0 39.0#



#45

trans-1,3-Dichloropropene

Concen: 0.501 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009823.D

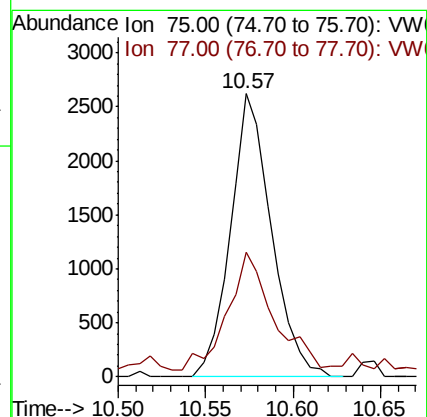
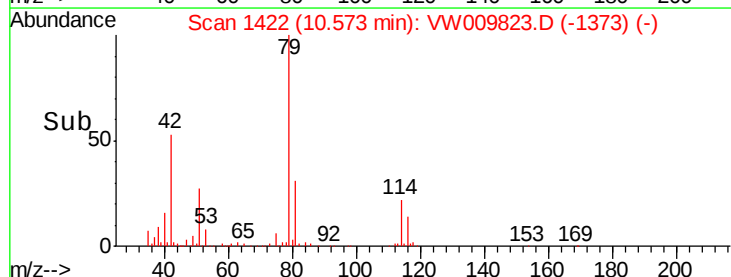
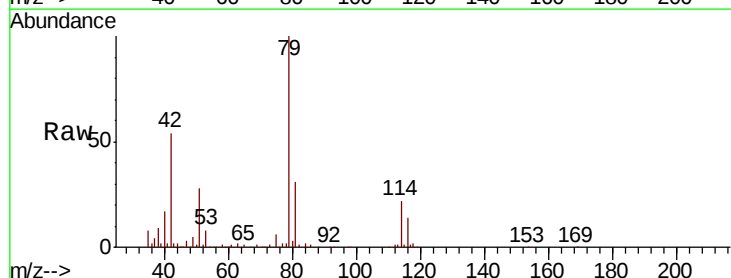
Acq: 09 Apr 2019 01:52

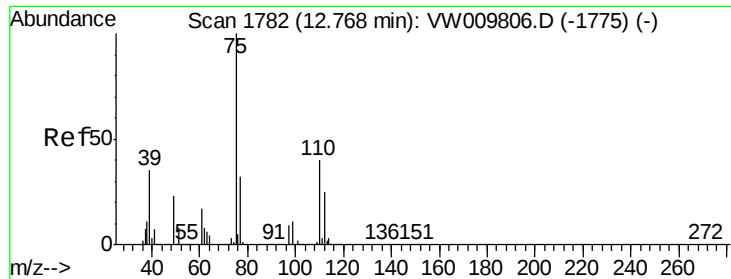
Tgt Ion: 75 Resp: 4253

Ion Ratio Lower Upper

75 100

77 44.2 21.1 39.3#





#59

1,2,3-Trichloropropane

Concen: 4.477 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009823.D

Acq: 09 Apr 2019 01:52

Instrument :

MSVOA\_W

ClientSampleId :

BF610

Tgt Ion: 75 Resp: 21382

Ion Ratio Lower Upper

75 100

77 38.9 26.2 39.2

