

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092920\  
 Data File : VW016692.D  
 Acq On : 29 Sep 2020 17:27  
 Operator : SY/VA  
 Sample : L4184-03  
 Misc : 5.60G/10ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AK0

Quant Time: Sep 30 07:17:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 30 07:14:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 585163   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 514664   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 242545   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.37   | 65    | 109967   | 19.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.68%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 100313   | 21.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.76%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 187998   | 14.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 59.40%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 79517    | 51.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 102.98% |
| 24) Chloroform-d               | 7.65   | 84    | 300210   | 24.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 98.08%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 165113   | 26.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.12% |
| 29) Benzene-d6                 | 8.28   | 84    | 579569   | 25.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 100.44% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 168336   | 26.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 107.64% |
| 37) Toluene-d8                 | 10.33  | 98    | 548656   | 24.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 96.64%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 73124    | 23.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.76%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 63190    | 55.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 111.08% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 144733   | 27.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 108.76% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 202481   | 26.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.52% |

## Target Compounds

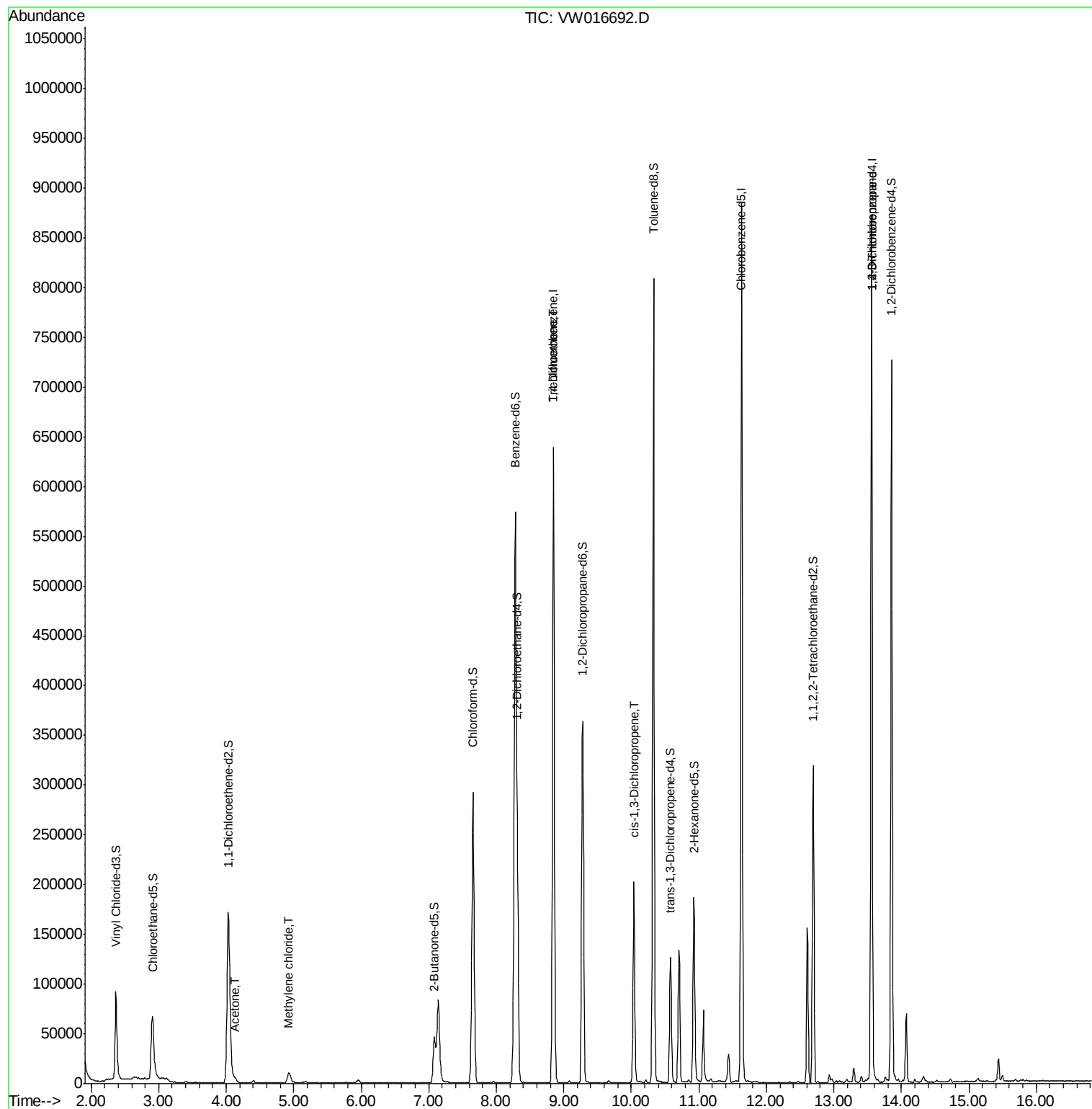
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.14  | 43 | 7887  | 6.520 ug/L   | 82     |
| 16) Methylene chloride      | 4.93  | 84 | 9819  | 1.088 ug/L   | 95     |
| 35) Trichloroethene         | 8.85  | 95 | 16886 | 2.116 ug/L # | 2      |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 5548  | 0.506 ug/L # | 78     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 25227 | 5.604 ug/L   | 89     |

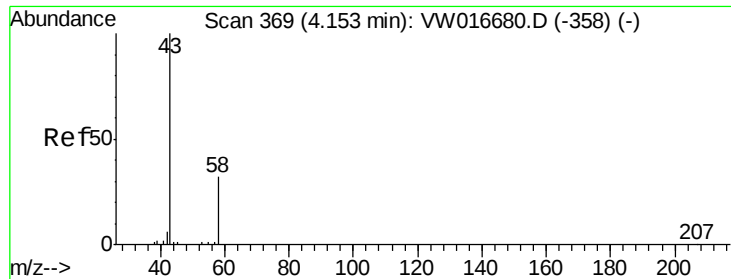
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 6.520 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.02 min

Lab File: VW016692.D

Acq: 29 Sep 2020 17:27

Instrument :

MSVOA\_W

ClientSampleId :

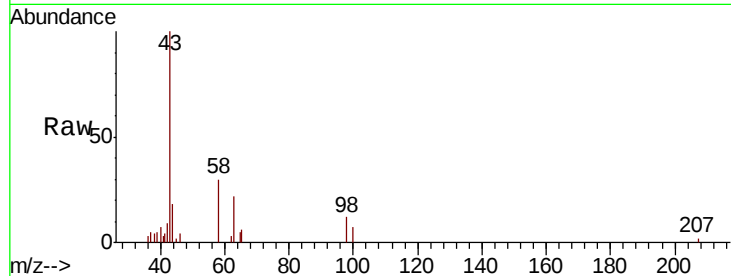
C0AK0

Tot Ion: 43 Resp: 7887

Ion Ratio Lower Upper

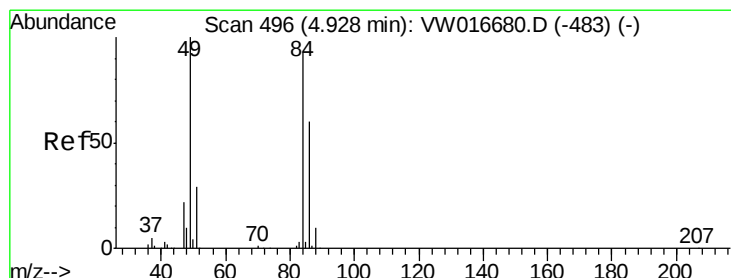
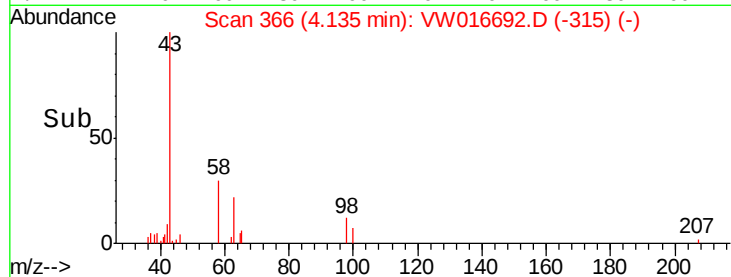
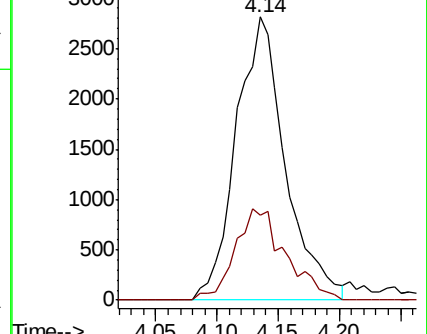
43 100

58 20.4 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.088 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW016692.D

Acq: 29 Sep 2020 17:27

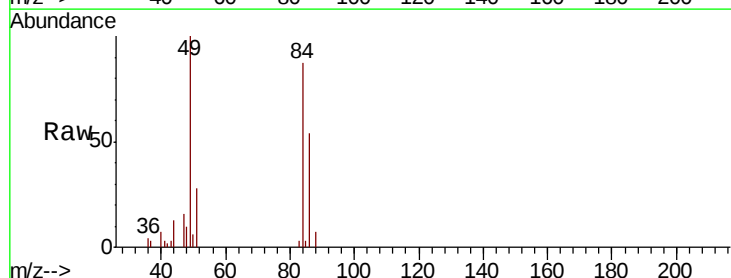
Tgt Ion: 84 Resp: 9819

Ion Ratio Lower Upper

84 100

49 115.3 76.0 141.2

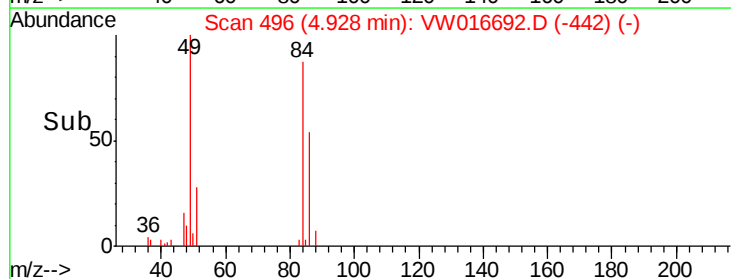
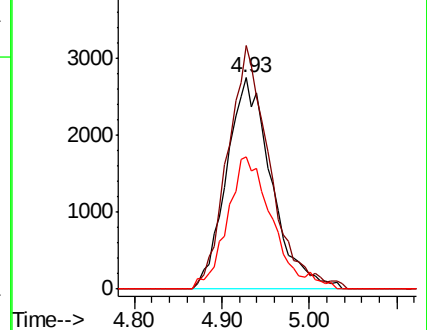
86 62.6 45.6 84.6

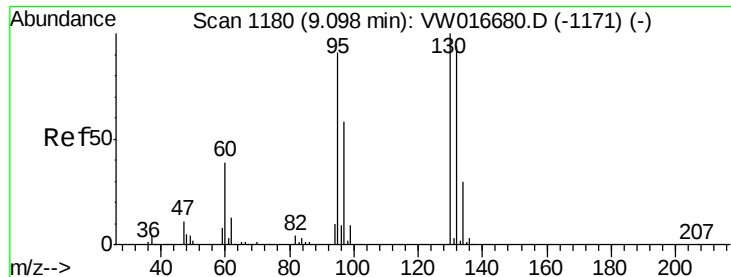


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#35

Trichloroethene

Concen: 2.116 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.25 min

Lab File: VW016692.D

Acq: 29 Sep 2020 17:27

Instrument :

MSVOA\_W

ClientSampleId :

C0AK0

Tot Ion: 95 Resp: 16886

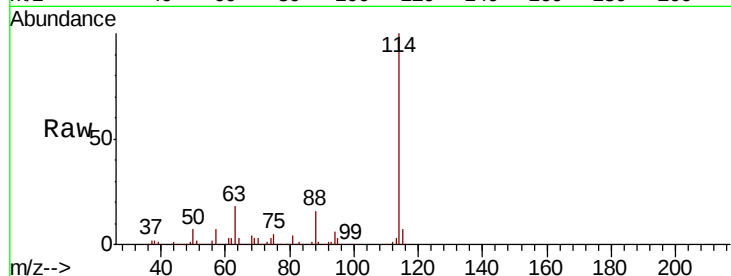
Ion Ratio Lower Upper

95 100

97 0.0 45.2 84.0#

132 0.0 73.3 136.1#

130 0.0 77.5 143.9#

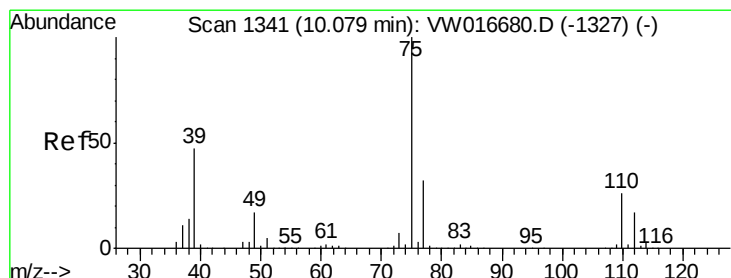
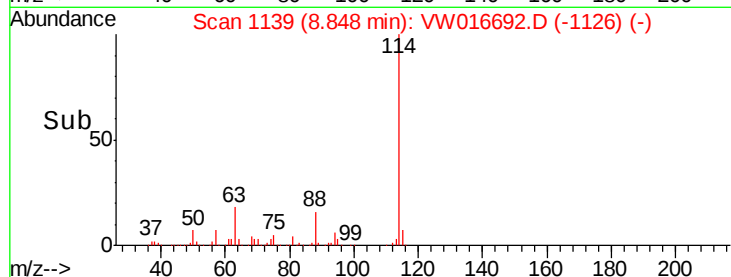
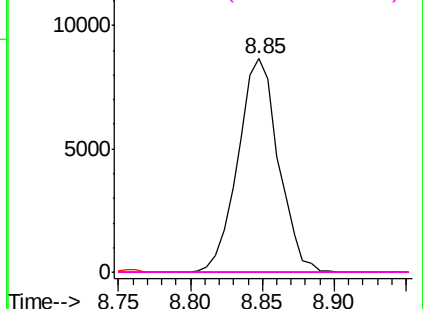


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 0.506 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016692.D

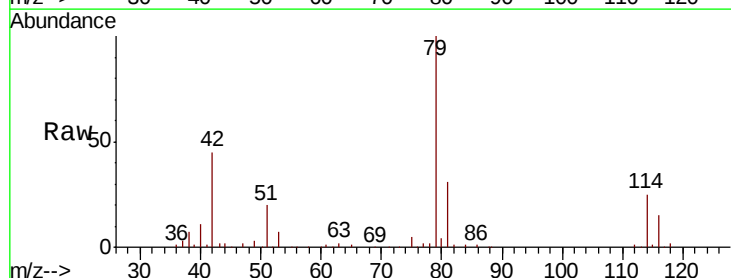
Acq: 29 Sep 2020 17:27

Tgt Ion: 75 Resp: 5548

Ion Ratio Lower Upper

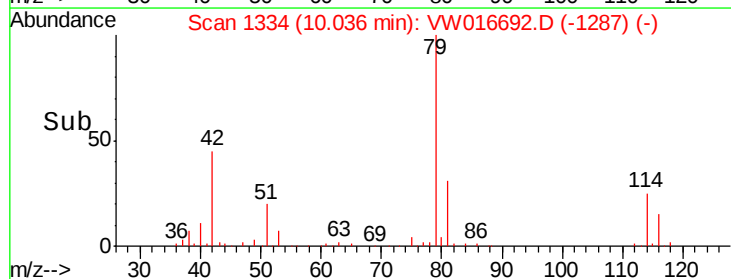
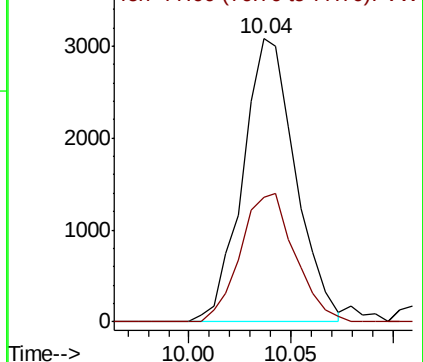
75 100

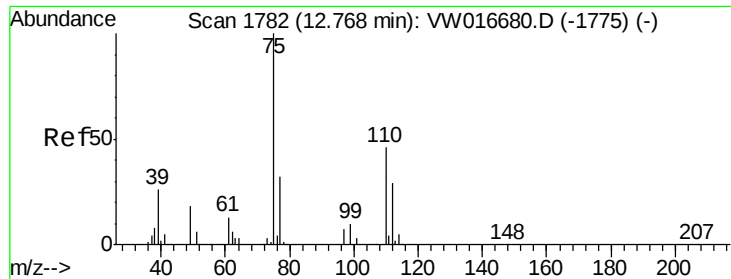
77 43.9 22.2 41.2#



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: 5.604 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016692.D

Acq: 29 Sep 2020 17:27

Instrument :

MSVOA\_W

ClientSampleId :

C0AK0

Tot Ion: 75 Resp: 25227

Ion Ratio Lower Upper

75 100

77 38.9 26.2 39.4

