

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW072120\  
 Data File : VW015877.D  
 Acq On : 21 Jul 2020 09:57  
 Operator : SY/VA  
 Sample : VW0721SBL01  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK16

Quant Time: Jul 21 14:59:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 21 14:55:18 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 435239   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 398651   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 172203   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 138906   | 22.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.48% |
| 7) Chloroethane-d5             | 2.90   | 69    | 119080   | 23.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.48% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 218792   | 17.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.48% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 70114    | 43.46    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.92% |
| 24) Chloroform-d               | 7.65   | 84    | 278746   | 22.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.20% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 153983   | 22.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.80% |
| 29) Benzene-d6                 | 8.28   | 84    | 564935   | 23.28    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 93.12% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 168068   | 23.10    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 92.40% |
| 37) Toluene-d8                 | 10.33  | 98    | 505122   | 22.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.92% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 66744    | 21.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.12% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 51532    | 42.54    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.08% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 117181   | 20.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 83.84% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 163608   | 24.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.48% |

## Target Compounds

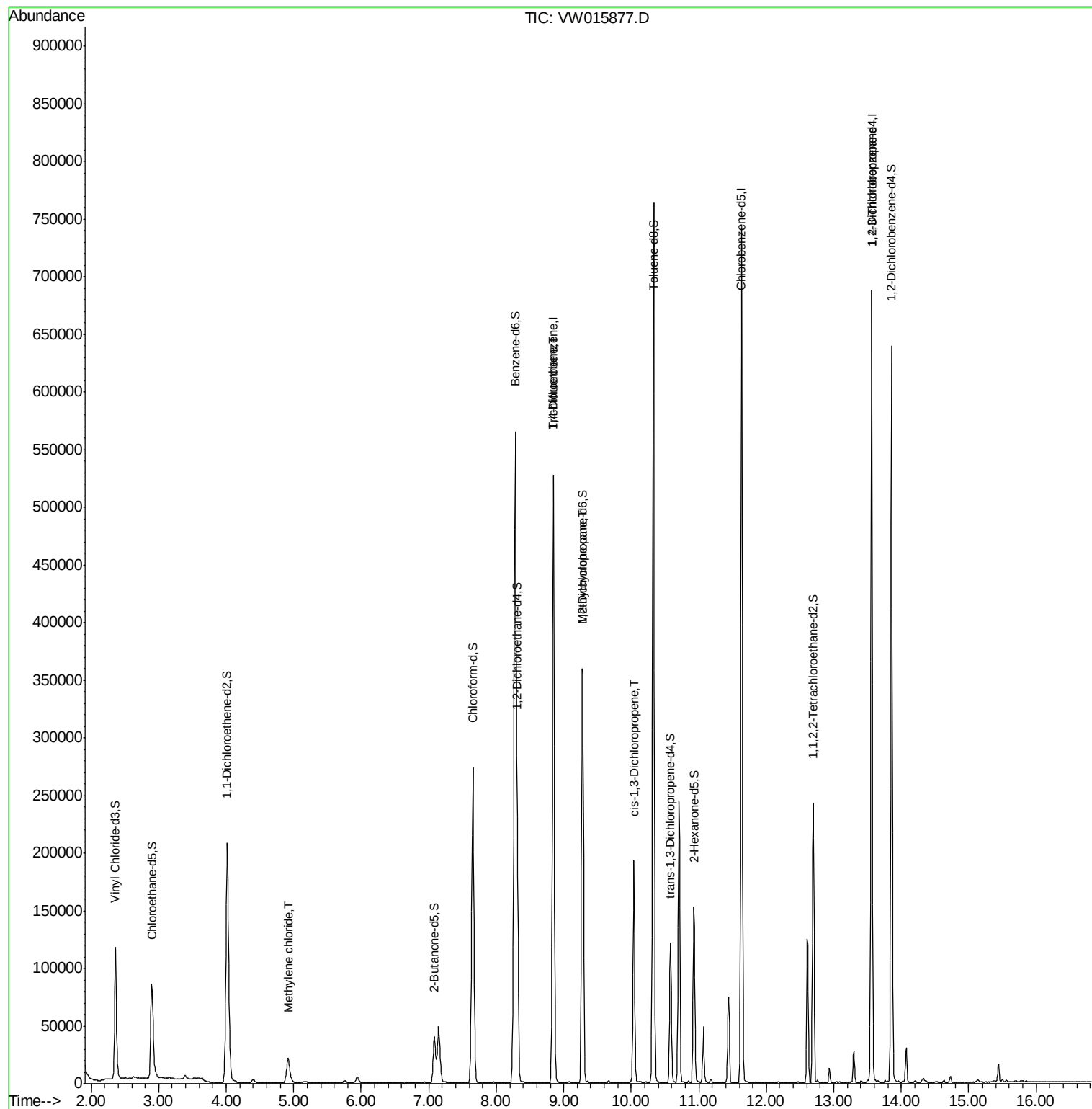
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 4.92  | 84 | 16271 | 2.281 ug/L   | 96     |
| 35) Trichloroethene         | 8.85  | 95 | 13138 | 2.051 ug/L # | 6      |
| 36) Methylcyclohexane       | 9.27  | 83 | 41209 | 3.750 ug/L # | 18     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 4641  | 0.508 ug/L # | 54     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 21941 | 5.782 ug/L   | 90     |

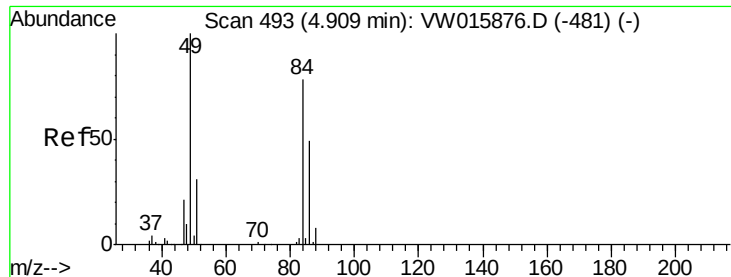
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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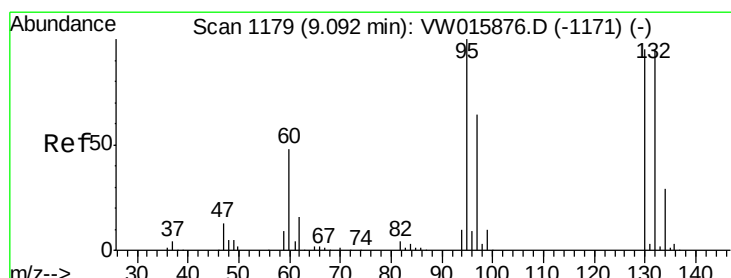
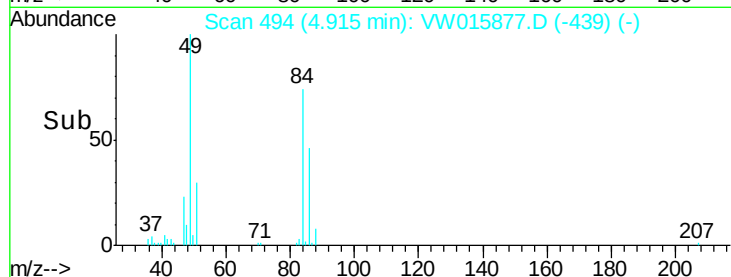
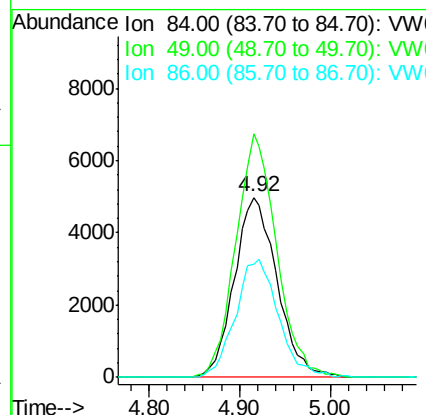
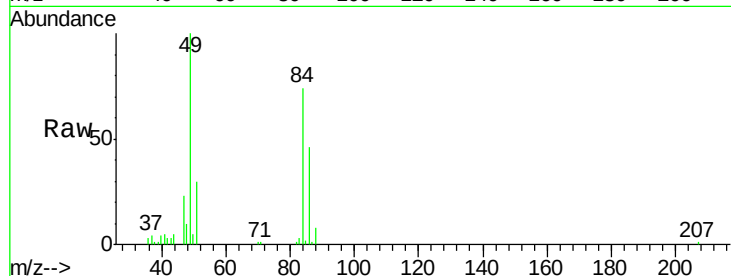




#16  
Methylene chloride  
Concen: 2.281 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW015877.D  
Acq: 21 Jul 2020 09:57

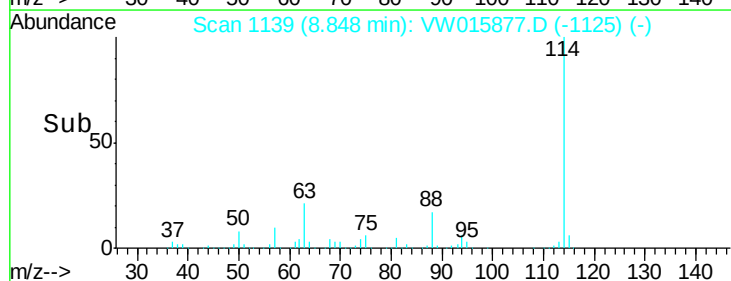
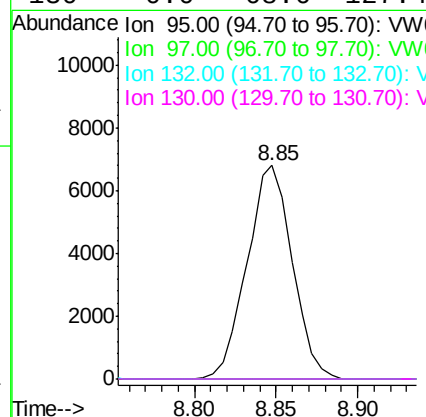
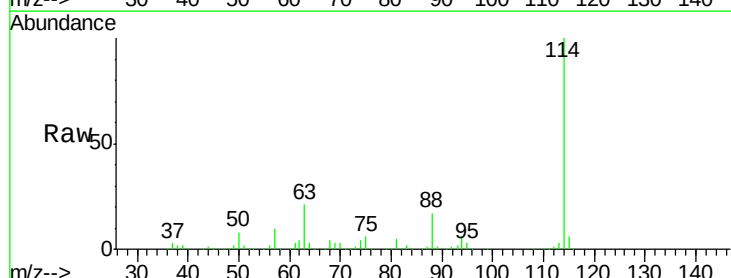
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ClientSampleId :  
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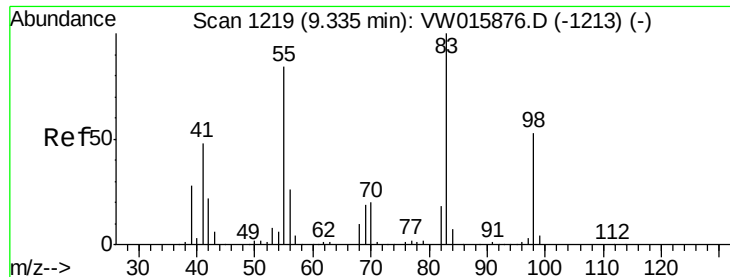
Tgt Ion: 84 Resp: 16271  
Ion Ratio Lower Upper  
84 100  
49 135.4 91.1 169.1  
86 62.8 46.0 85.4



#35  
Trichloroethene  
Concen: 2.051 ug/L  
RT: 8.85 min Scan# 1139  
Delta R.T. -0.24 min  
Lab File: VW015877.D  
Acq: 21 Jul 2020 09:57

Tgt Ion: 95 Resp: 13138  
Ion Ratio Lower Upper  
95 100  
97 0.0 44.4 82.4#  
132 0.4 65.1 120.9#  
130 0.0 68.6 127.4#

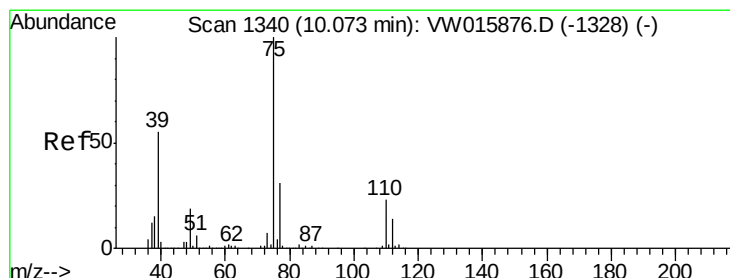
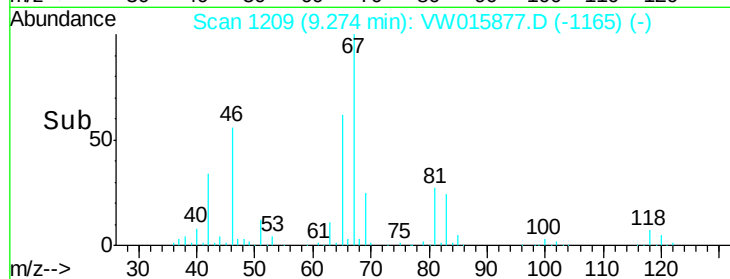
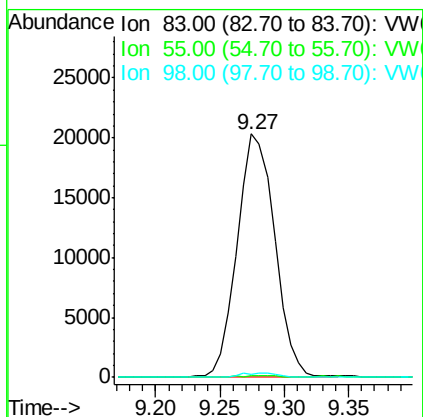
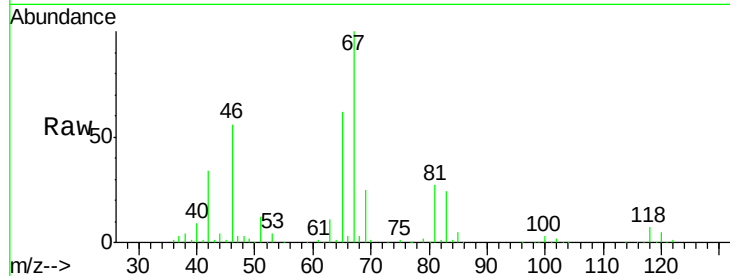




#36  
Methylcyclohexane  
Concen: 3.750 ug/L  
RT: 9.27 min Scan# 1209  
Delta R.T. -0.06 min  
Lab File: VW015877.D  
Acq: 21 Jul 2020 09:57

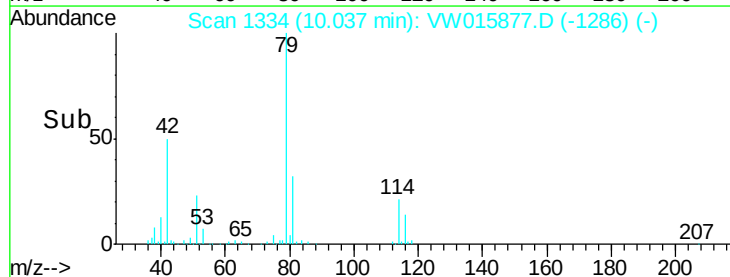
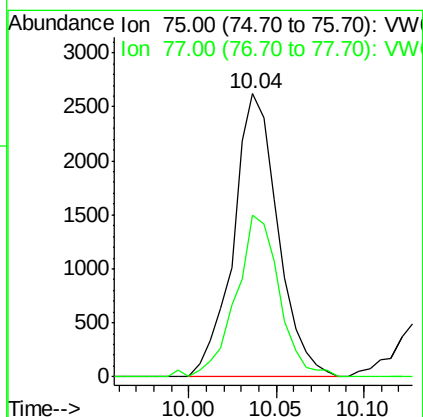
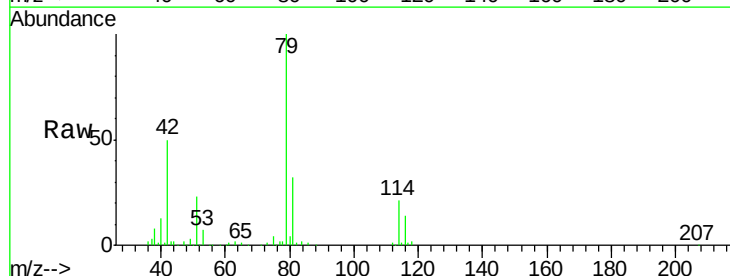
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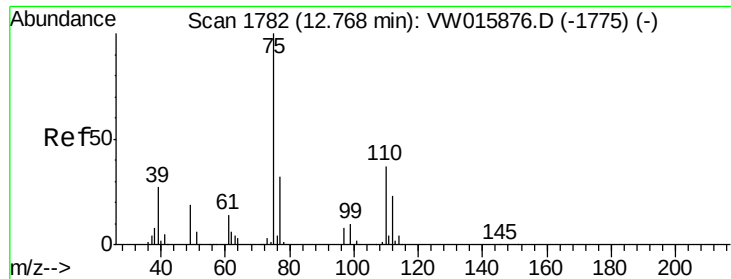
Tgt Ion: 83 Resp: 41209  
Ion Ratio Lower Upper  
83 100  
55 0.6 63.5 95.3#  
98 0.7 39.0 58.4#



#42  
cis-1,3-Dichloropropene  
Concen: 0.508 ug/L  
RT: 10.04 min Scan# 1334  
Delta R.T. -0.04 min  
Lab File: VW015877.D  
Acq: 21 Jul 2020 09:57

Tgt Ion: 75 Resp: 4641  
Ion Ratio Lower Upper  
75 100  
77 57.2 22.2 41.2#





#59

1,2,3-Trichloropropane

Concen: 5.782 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW015877.D

Acq: 21 Jul 2020 09:57

Instrument :

MSVOA\_W

ClientSampleId :

VBLK16

Tgt Ion: 75 Resp: 21941

Ion Ratio Lower Upper

75 100

77 38.2 26.0 39.0

