

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021320\  
 Data File : VV014580.D  
 Acq On : 13 Feb 2020 11:02  
 Operator : SY/MD  
 Sample : VV0213WBL01  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Feb 13 15:34:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM021220WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 13 15:27:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 310852   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 294417   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 144898   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 53640    | 44.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.86% |
| 7) Chloroethane-d5             | 1.58    | 69    | 38476    | 45.83    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.66% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 71539    | 35.91    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.82% |
| 21) 2-Butanone-d5              | 3.92    | 46    | 92434    | 93.37    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.37% |
| 24) Chloroform-d               | 4.39    | 84    | 159768   | 45.89    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.78% |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 106798   | 49.45    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.90% |
| 32) Benzene-d6                 | 5.09    | 84    | 337552   | 47.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.88% |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 103383   | 48.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.50% |
| 41) Toluene-d8                 | 7.35    | 98    | 322901   | 47.67    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.34% |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 53554    | 45.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.60% |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 72202    | 85.20    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 85.20% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 134816   | 46.84    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.68% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 123701   | 48.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.64% |

## Target Compounds

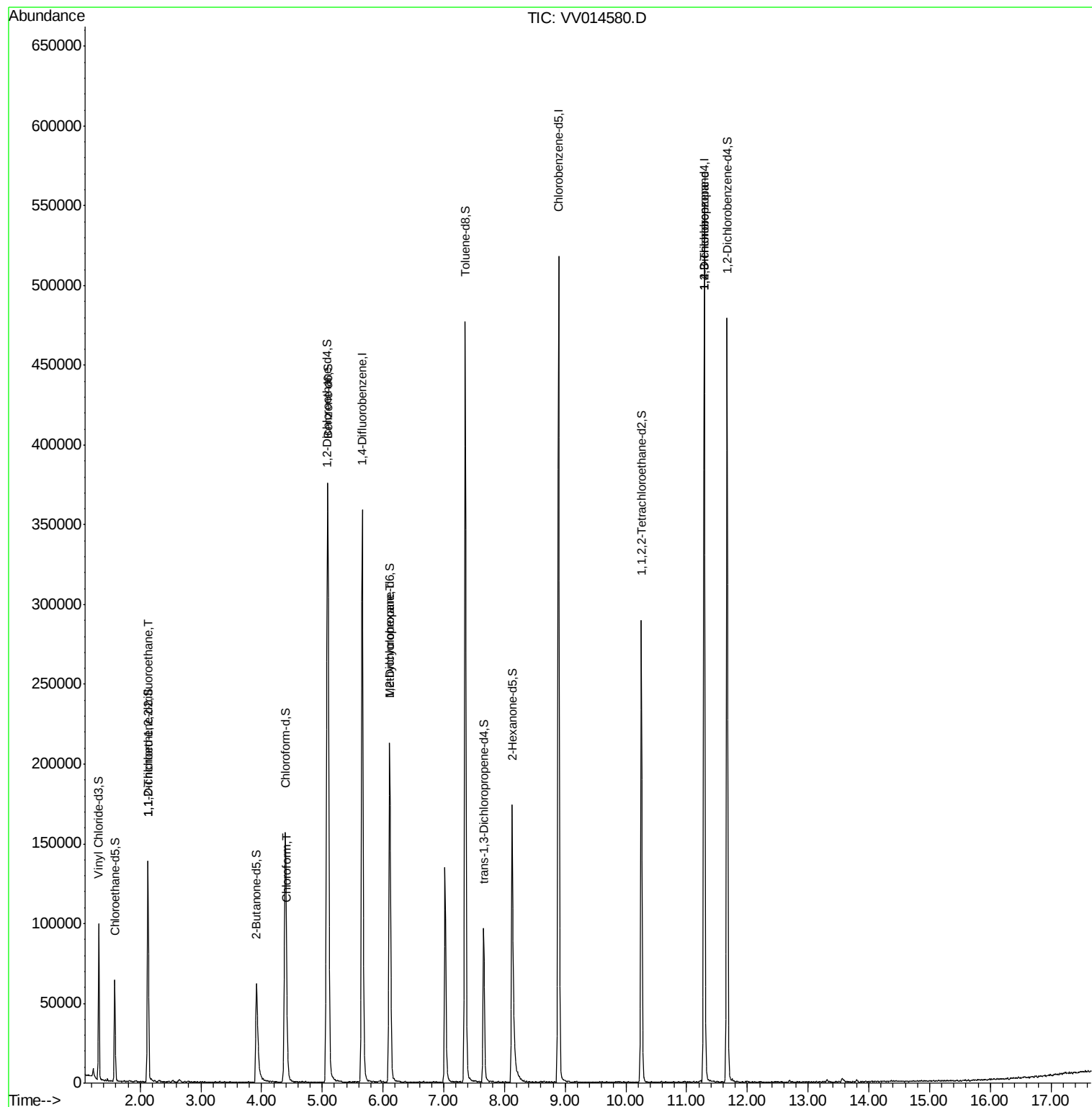
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13  | 101 | 802   | 0.782 ug/L # | 17     |
| 25) Chloroform                 | 4.42  | 83  | 6453  | 1.769 ug/L   | 99     |
| 35) Methylcyclohexane          | 6.11  | 83  | 25748 | 7.884 ug/L # | 21     |
| 59) 1,2,3-Trichloropropane     | 11.29 | 75  | 16414 | 6.682 ug/L   | 95     |

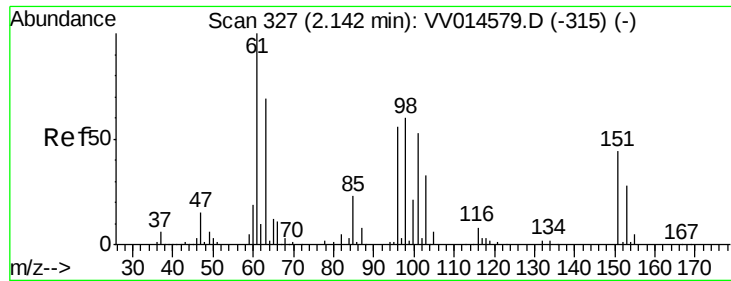
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
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Quant Title : VOC Analysis  
QLast Update : Thu Feb 13 15:27:07 2020  
Response via : Initial Calibration





#10

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

Concen: 0.782 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.02 min

Lab File: VV014580.D

Acq: 13 Feb 2020 11:02

Instrument :

MSVOA\_V

ClientSampleId :

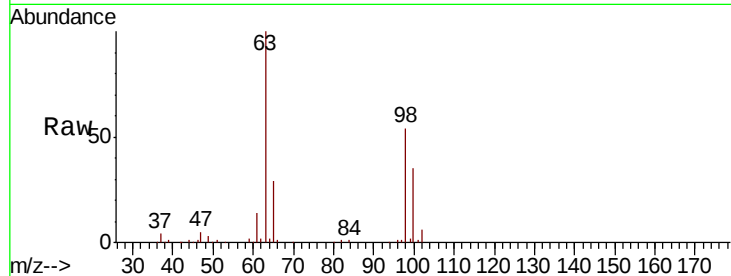
Tot Ion:101 Resp: 802

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.0#

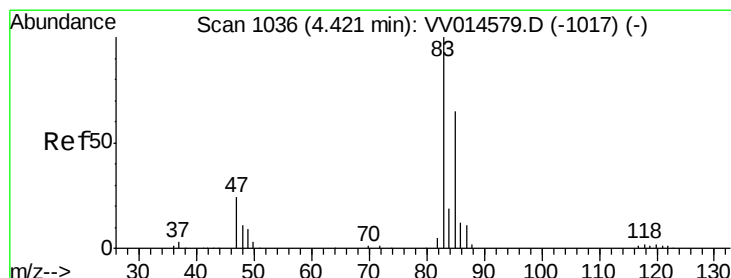
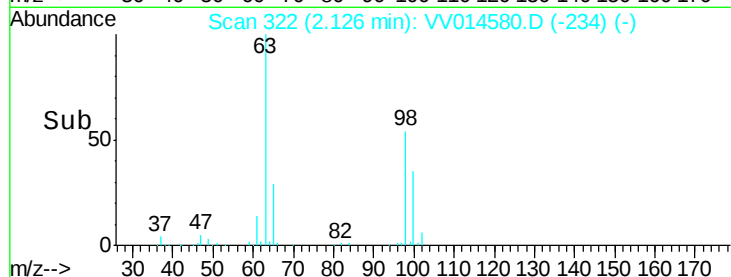
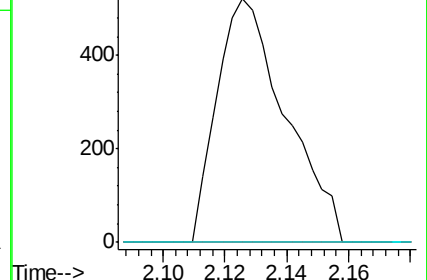
151 0.0 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 1.769 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV014580.D

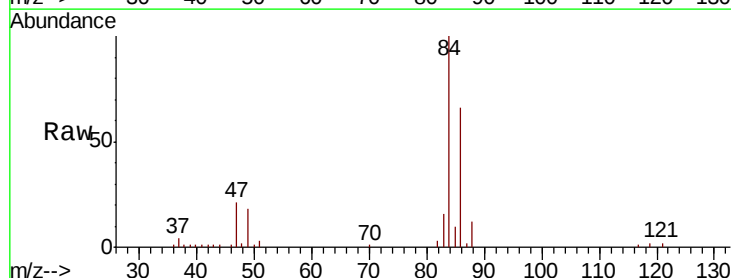
Acq: 13 Feb 2020 11:02

Tgt Ion: 83 Resp: 6453

Ion Ratio Lower Upper

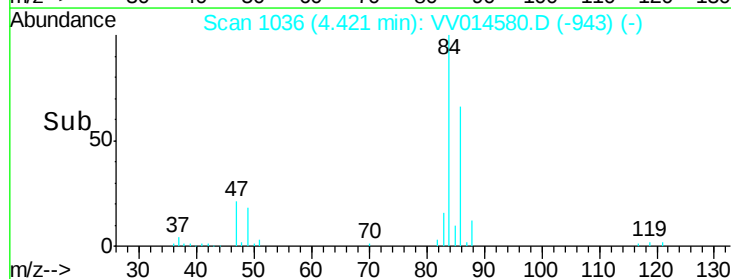
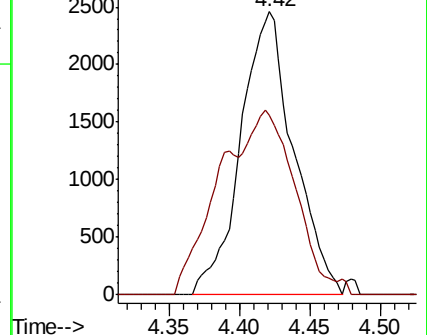
83 100

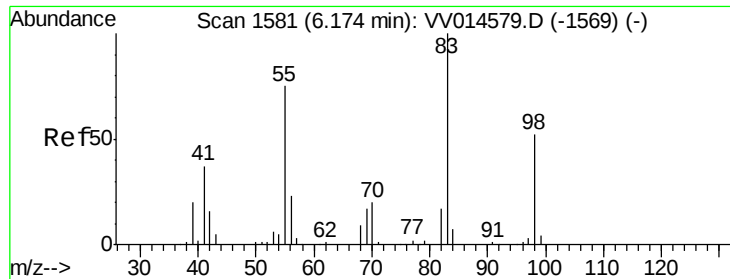
85 63.5 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#35

Methylcyclohexane

Concen: 7.884 ug/L

RT: 6.11 min Scan# 1561

Delta R.T. -0.06 min

Lab File: VV014580.D

Acq: 13 Feb 2020 11:02

Instrument :  
MSVOA\_V  
ClientSampleId :

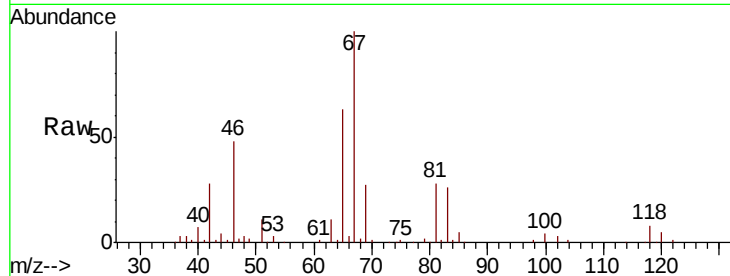
Tot Ion: 83 Resp: 25748

Ion Ratio Lower Upper

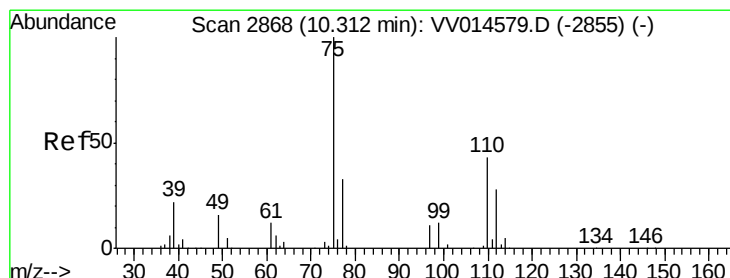
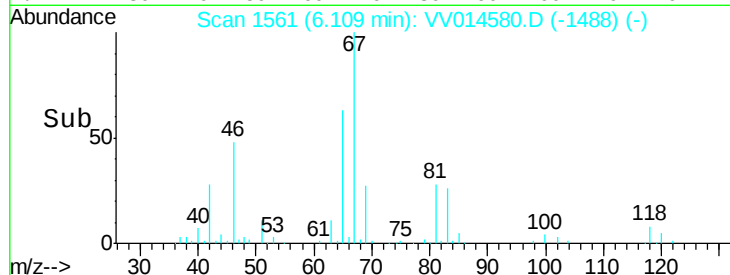
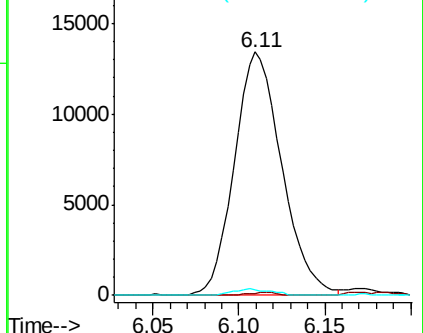
83 100

55 0.3 57.8 86.6#

98 2.1 39.7 59.5#



Abundance Ion 83.00 (82.70 to 83.70): VV0  
Ion 55.00 (54.70 to 55.70): VV0  
Ion 98.00 (97.70 to 98.70): VV0



#59

1,2,3-Trichloropropane

Concen: 6.682 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.98 min

Lab File: VV014580.D

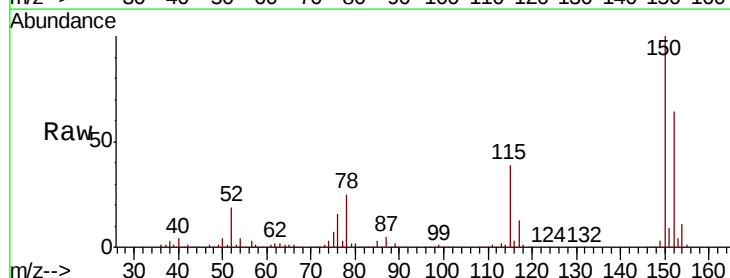
Acq: 13 Feb 2020 11:02

Tgt Ion: 75 Resp: 16414

Ion Ratio Lower Upper

75 100

77 35.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0  
Ion 77.00 (76.70 to 77.70): VV0

