

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082420\  
 Data File : VV018086.D  
 Acq On : 24 Aug 2020 15:31  
 Operator : SY/MD  
 Sample : L3767-15  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 25 01:12:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 25 01:10:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 265590   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 265194   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 126143   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

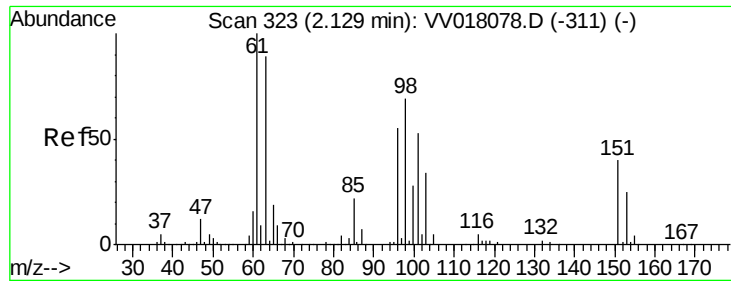
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 95070    | 46.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.84%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 82800    | 49.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.88%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 145255   | 37.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.94%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 118770   | 89.49    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.49%  |
| 24) Chloroform-d               | 4.37    | 84    | 167385   | 45.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.76%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 117569   | 49.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.14%  |
| 32) Benzene-d6                 | 5.07    | 84    | 353072   | 48.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.62%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 113547   | 47.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.04%  |
| 41) Toluene-d8                 | 7.34    | 98    | 312827   | 47.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.20%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 52674    | 48.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.20%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 59273    | 77.30    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 77.30%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 134795   | 43.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.64%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 127779   | 51.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.94% |

## Target Compounds

|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1349  | 0.717 ug/L # | 20     |
| 12) 1,1-Dichloroethene         | 2.12  | 96  | 1346  | 0.756 ug/L # | 1      |
| 16) Methylene chloride         | 2.52  | 84  | 1677  | 0.739 ug/L   | 93     |
| 25) Chloroform                 | 4.40  | 83  | 10190 | 2.713 ug/L   | 98     |
| 35) Methylcyclohexane          | 6.09  | 83  | 27049 | 8.388 ug/L # | 17     |
| 48) 2-Hexanone                 | 8.17  | 43  | 6070  | 2.573 ug/L # | 82     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 14977 | 5.420 ug/L   | 93     |

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





#10

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

Concen: 0.717 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018086.D

Acq: 24 Aug 2020 15:31

Instrument :

MSVOA\_V

ClientSampled :

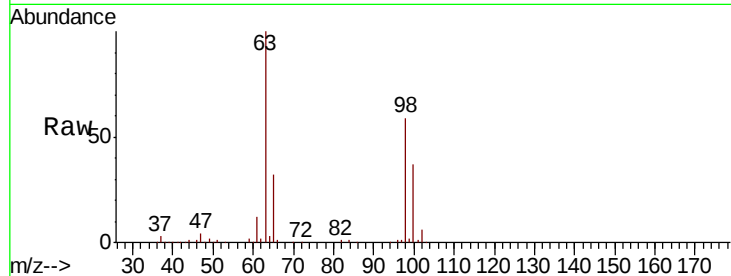
Tot Ion:101 Resp: 1349

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

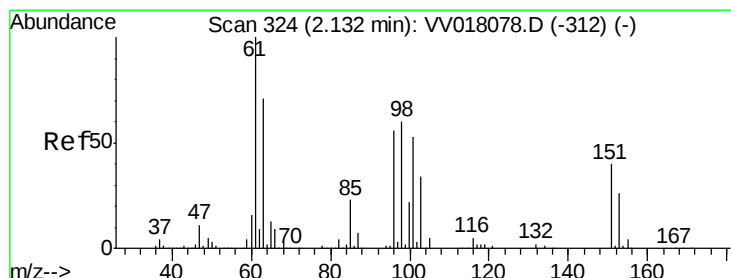
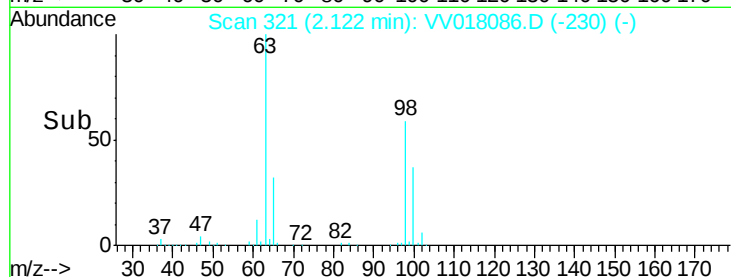
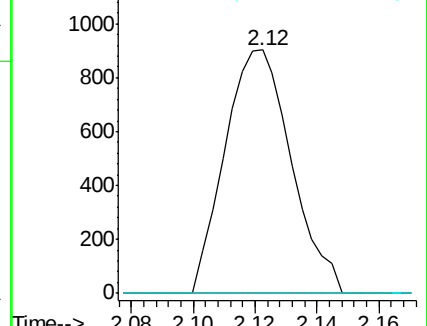
151 0.0 59.1 88.7#



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



#12

1,1-Dichloroethene

Concen: 0.756 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018086.D

Acq: 24 Aug 2020 15:31

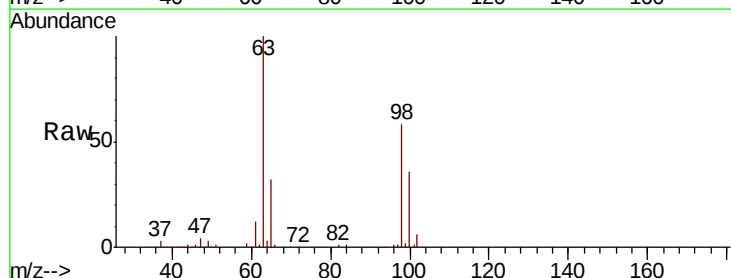
Tgt Ion: 96 Resp: 1346

Ion Ratio Lower Upper

96 100

61 1461.5 127.1 236.0#

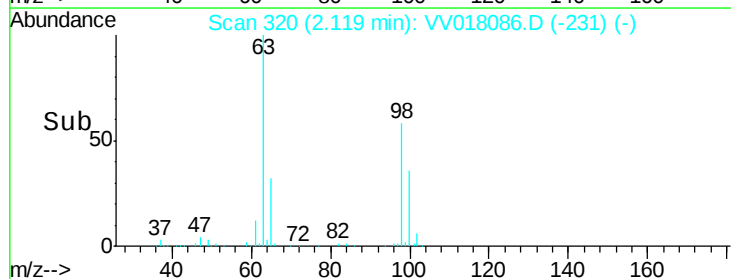
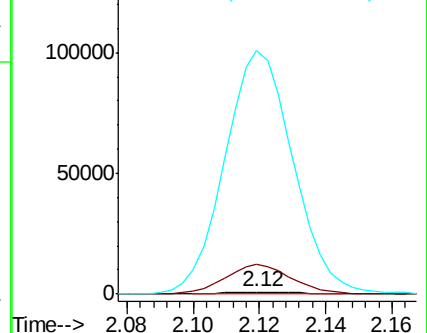
63 12046.8 95.2 176.8#

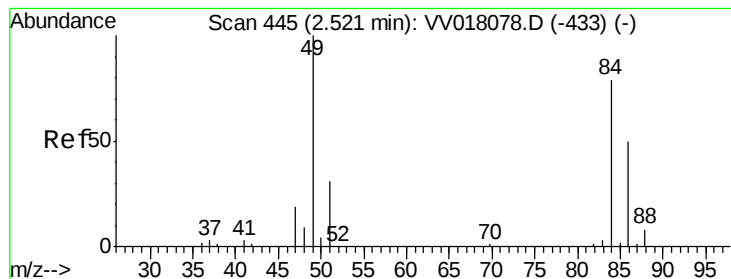


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#16

Methylene chloride

Concen: 0.739 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV018086.D

Acq: 24 Aug 2020 15:31

Instrument :

MSVOA\_V

ClientSampleId :

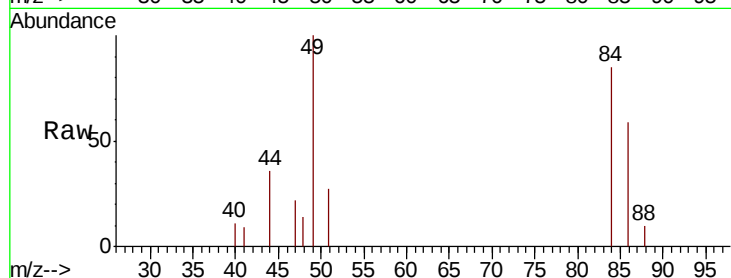
Tot Ion: 84 Resp: 1677

Ion Ratio Lower Upper

84 100

86 69.1 46.3 85.9

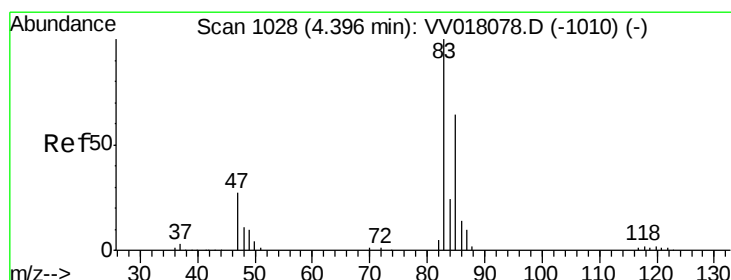
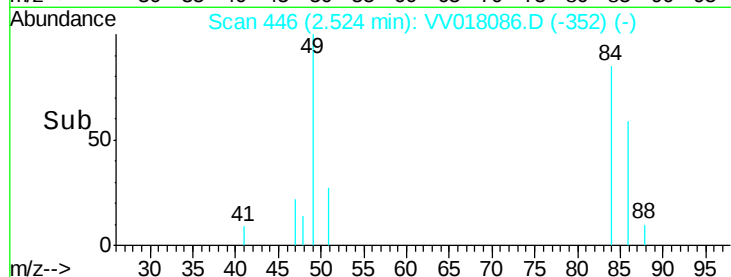
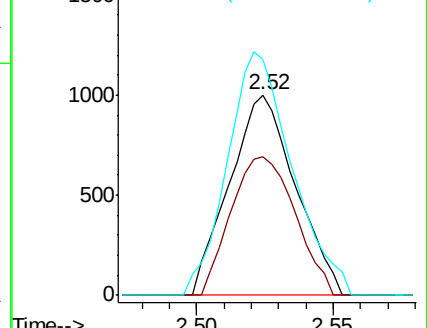
49 118.0 89.7 166.5



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0



#25

Chloroform

Concen: 2.713 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VV018086.D

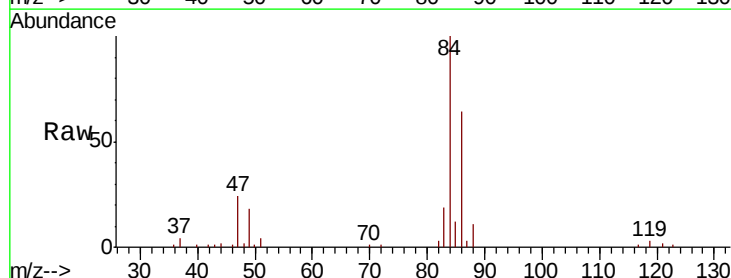
Acq: 24 Aug 2020 15:31

Tgt Ion: 83 Resp: 10190

Ion Ratio Lower Upper

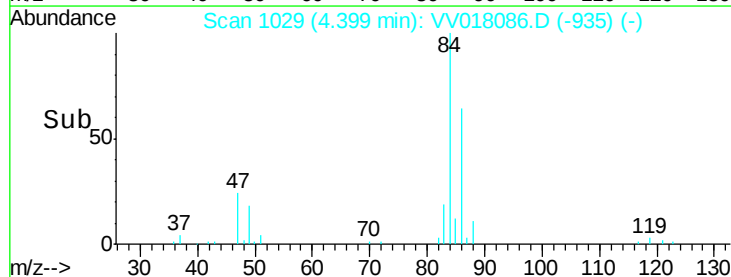
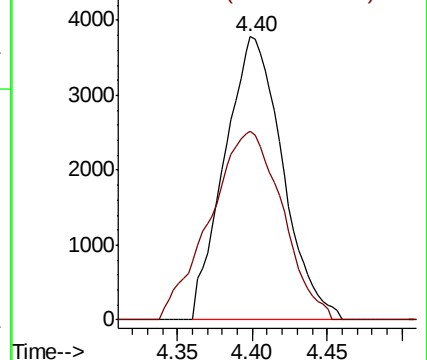
83 100

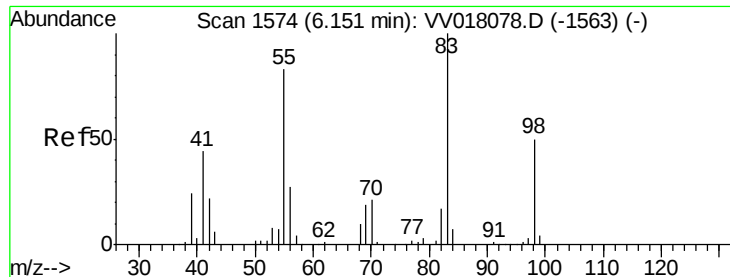
85 66.5 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

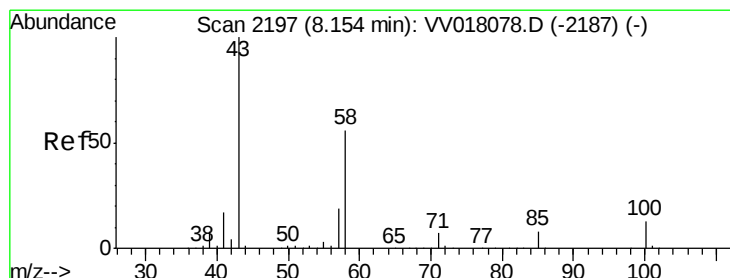
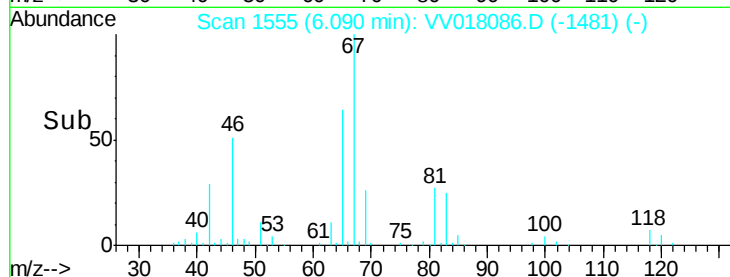
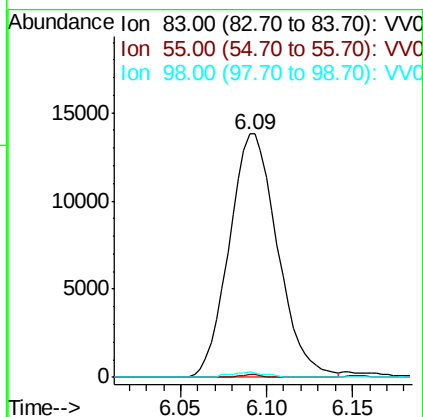
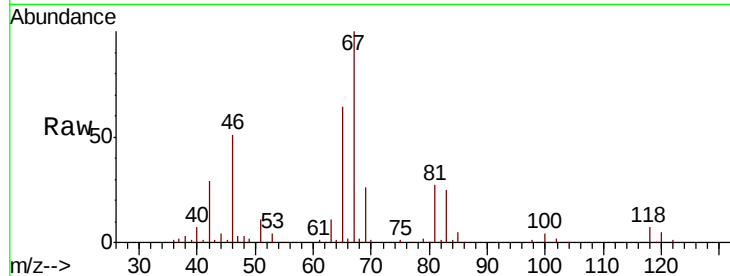




#35  
Methylcyclohexane  
Concen: 8.388 ug/L  
RT: 6.09 min Scan# 1555  
Delta R.T. -0.06 min  
Lab File: VV018086.D  
Acq: 24 Aug 2020 15:31

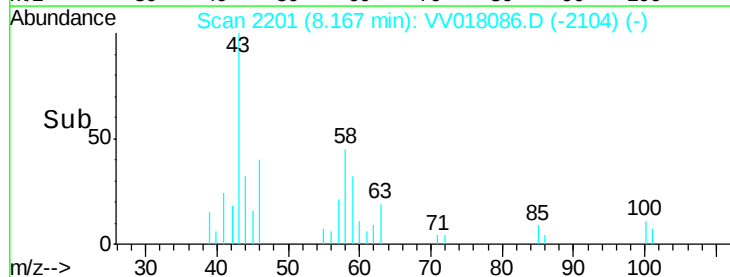
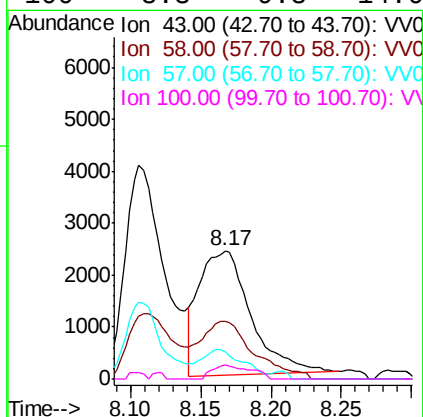
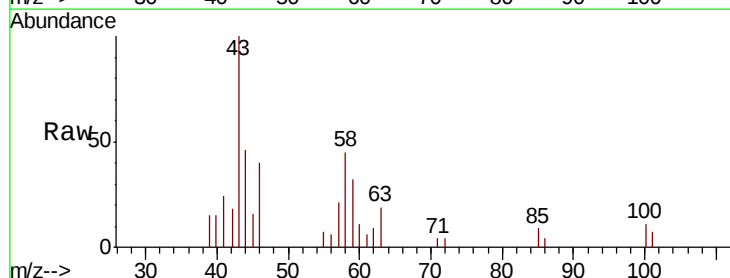
Instrument :  
MSVOA\_V  
ClientSampleId :

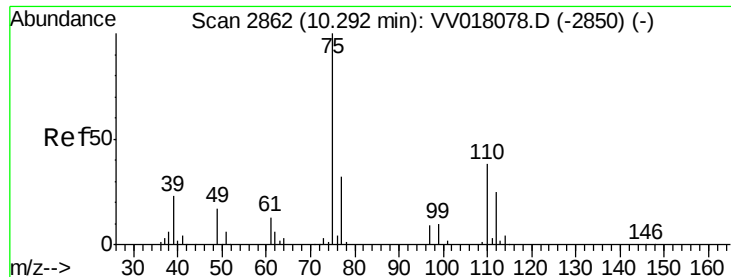
Tot Ion: 83 Resp: 27049  
Ion Ratio Lower Upper  
83 100  
55 0.5 64.9 97.3#  
98 1.6 38.7 58.1#



#48  
2-Hexanone  
Concen: 2.573 ug/L  
RT: 8.17 min Scan# 2201  
Delta R.T. 0.01 min  
Lab File: VV018086.D  
Acq: 24 Aug 2020 15:31

Tgt Ion: 43 Resp: 6070  
Ion Ratio Lower Upper  
43 100  
58 43.8 44.4 66.6#  
57 7.0 15.2 22.8#  
100 8.3 9.8 14.6#





#59

1,2,3-Trichloropropane

Concen: 5.420 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018086.D

Acq: 24 Aug 2020 15:31

Instrument :

MSVOA\_V

ClientSampleId :

Tot Ion: 75 Resp: 14977

Ion Ratio Lower Upper

75 100

77 35.9 25.7 38.5

