

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102320\  
 Data File : VV019097.D  
 Acq On : 23 Oct 2020 17:19  
 Operator : SY/MD  
 Sample : L4483-07  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 24 03:33:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102220WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 24 03:31:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 272270   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 263304   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 127758   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

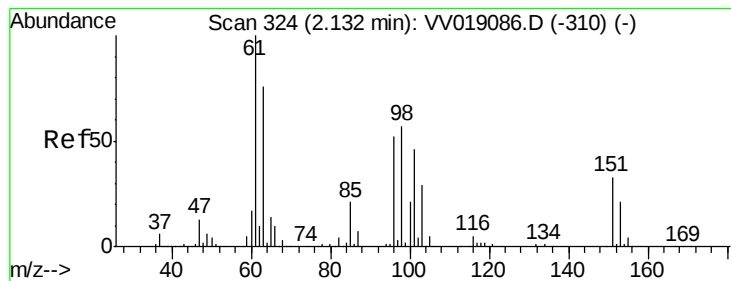
|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 103821   | 41.97    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.94% |
| 7) Chloroethane-d5             | 1.58    | 69    | 87436    | 43.92    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.84% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 162219   | 35.02    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.04% |
| 21) 2-Butanone-d5              | 3.92    | 46    | 145016   | 87.18    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 87.18% |
| 24) Chloroform-d               | 4.38    | 84    | 192289   | 44.45    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.90% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 136582   | 46.96    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.92% |
| 32) Benzene-d6                 | 5.08    | 84    | 368824   | 45.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.60% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 118004   | 45.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.46% |
| 41) Toluene-d8                 | 7.34    | 98    | 330490   | 45.89    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.78% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 60025    | 44.90    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.80% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 102548   | 90.40    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 90.40% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 150534   | 43.35    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.70% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 132095   | 49.30    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.60% |

## Target Compounds

|                                |       |     |       |               | Ovalue |
|--------------------------------|-------|-----|-------|---------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1203  | 0.662 ug/L #  | 20     |
| 35) Methylcyclohexane          | 6.09  | 83  | 29631 | 10.632 ug/L # | 16     |
| 37) 1,2-Dichloropropane        | 6.10  | 63  | 13859 | 6.245 ug/L #  | 87     |
| 39) cis-1,3-Dichloropropene    | 7.00  | 75  | 3807  | 1.161 ug/L #  | 75     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 15398 | 5.934 ug/L #  | 88     |

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





#10

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

Concen: 0.662 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019097.D

Acq: 23 Oct 2020 17:19

Instrument :

MSVOA\_V

ClientSampled :

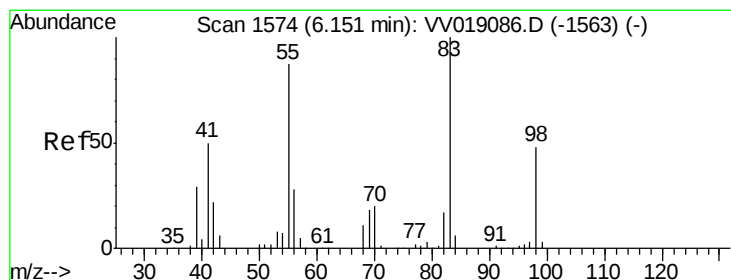
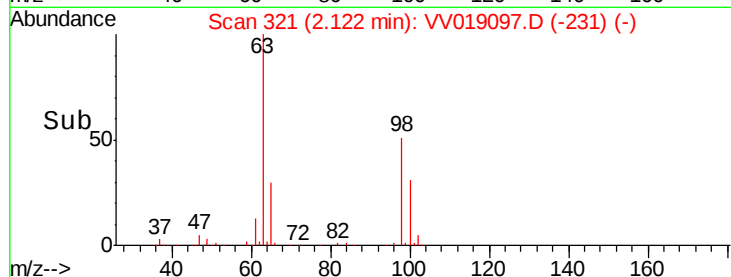
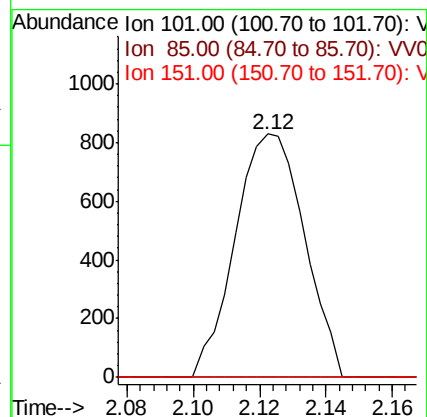
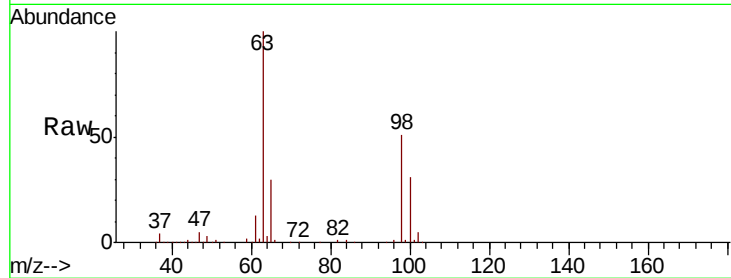
Tot Ion:101 Resp: 1203

Ion Ratio Lower Upper

101 100

85 0.0 36.9 55.3#

151 0.0 58.2 87.2#



#35

Methylcyclohexane

Concen: 10.632 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV019097.D

Acq: 23 Oct 2020 17:19

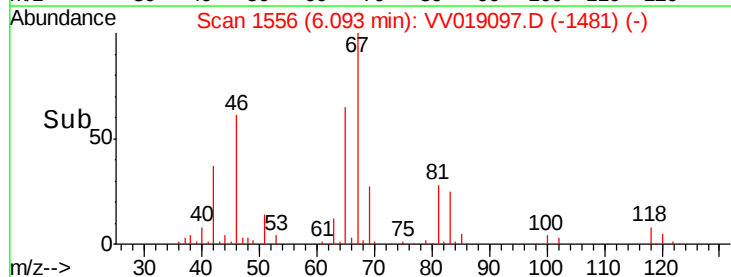
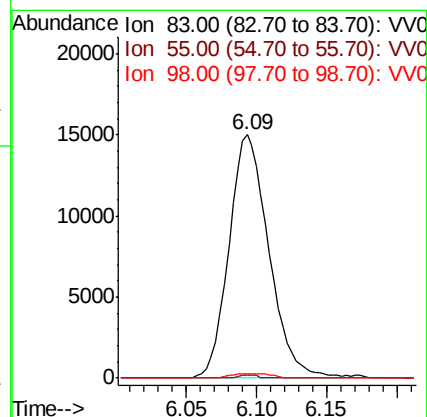
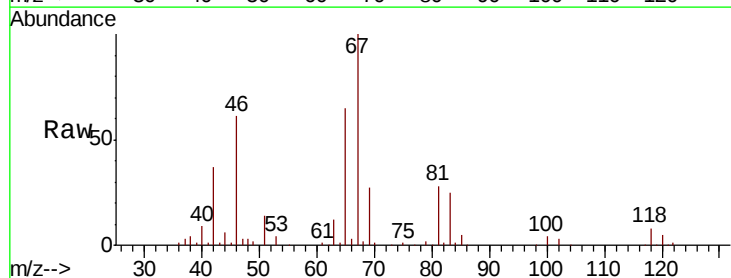
Tgt Ion: 83 Resp: 29631

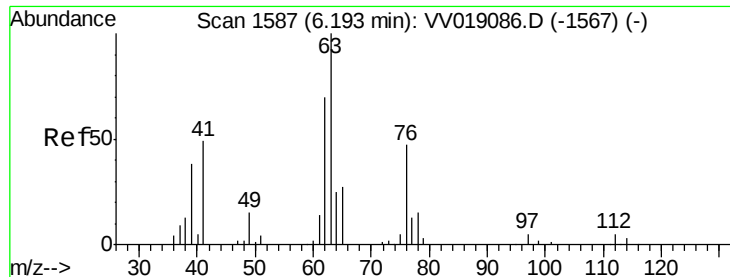
Ion Ratio Lower Upper

83 100

55 0.5 68.1 102.1#

98 1.8 37.9 56.9#

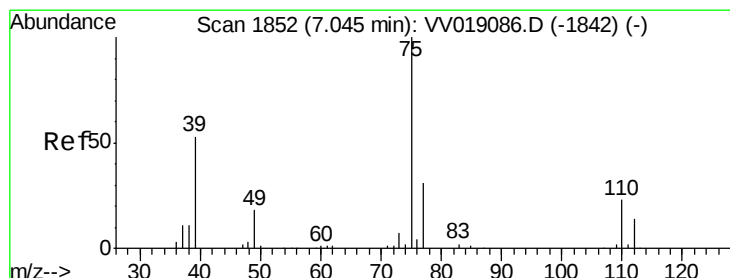
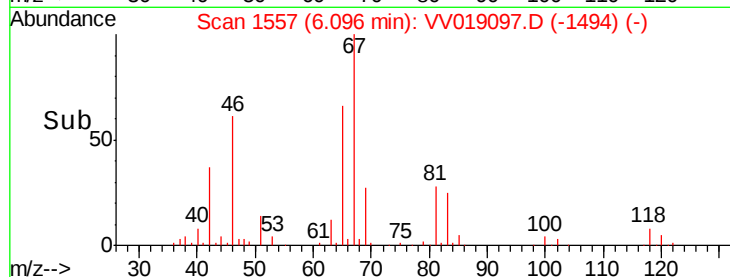
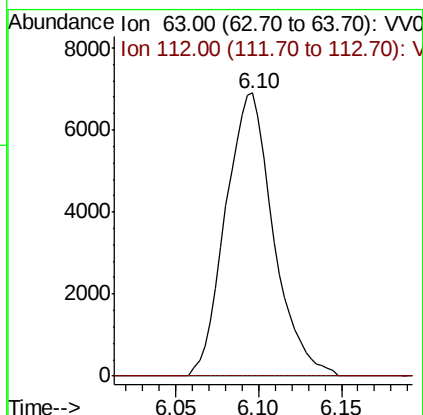
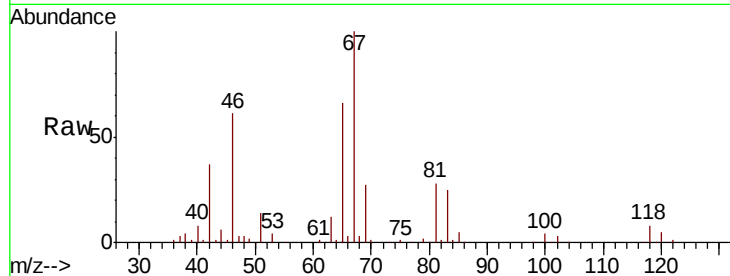




#37  
 1,2-Dichloropropane  
 Concen: 6.245 ug/L  
 RT: 6.10 min Scan# 1557  
 Delta R.T. -0.10 min  
 Lab File: VV019097.D  
 Acq: 23 Oct 2020 17:19

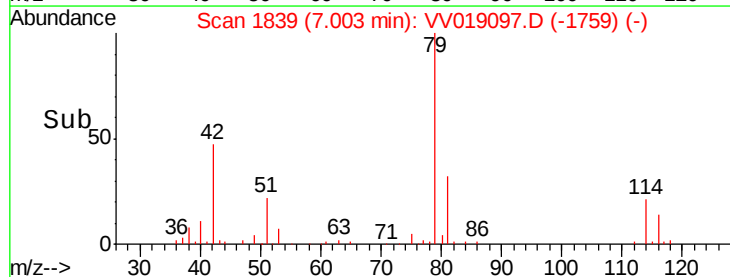
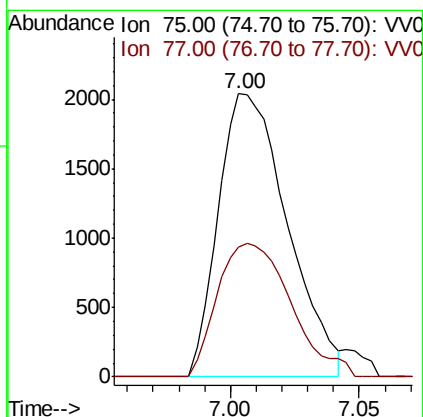
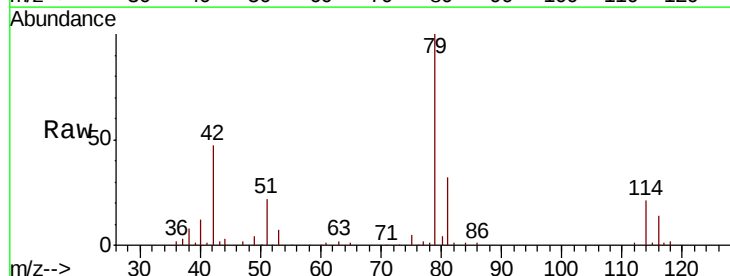
Instrument :  
 MSVOA\_V  
 ClientSampleId :

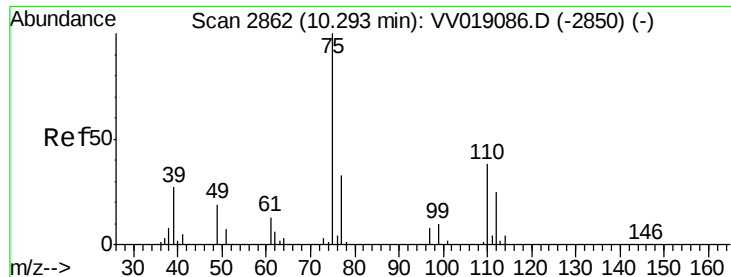
Tot Ion: 63 Resp: 13859  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.5 5.3#



#39  
 cis-1,3-Dichloropropene  
 Concen: 1.161 ug/L  
 RT: 7.00 min Scan# 1839  
 Delta R.T. -0.04 min  
 Lab File: VV019097.D  
 Acq: 23 Oct 2020 17:19

Tgt Ion: 75 Resp: 3807  
 Ion Ratio Lower Upper  
 75 100  
 77 45.7 22.1 41.1#





#59

1,2,3-Trichloropropane

Concen: 5.934 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019097.D

Acq: 23 Oct 2020 17:19

Instrument :

MSVOA\_V

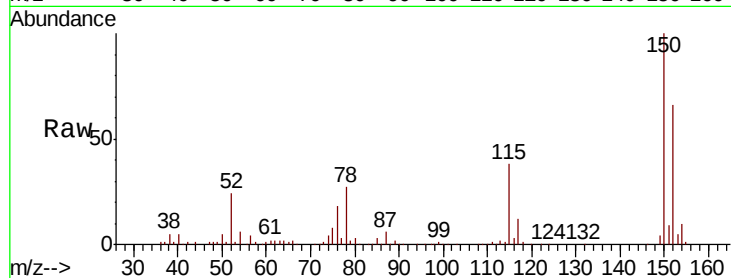
ClientSampleId :

Tot Ion: 75 Resp: 15398

Ion Ratio Lower Upper

75 100

77 39.1 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

