

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\  
 Data File : VV016441.D  
 Acq On : 02 Jun 2020 21:12  
 Operator : SY/MD  
 Sample : L2836-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 03 02:26:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 03 01:20:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 385297   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 371439   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 170054   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

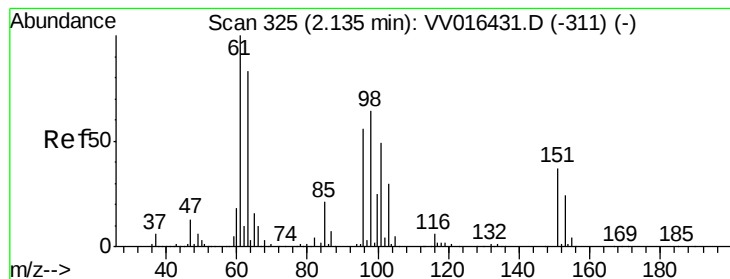
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 133119   | 48.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.56%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 92274    | 46.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.68%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 180316   | 37.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.54%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 183474   | 105.14   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.14% |
| 24) Chloroform-d               | 4.38    | 84    | 239062   | 46.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.36%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 170525   | 49.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.44%  |
| 32) Benzene-d6                 | 5.08    | 84    | 492316   | 49.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.96%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 151929   | 49.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.02%  |
| 41) Toluene-d8                 | 7.34    | 98    | 441340   | 48.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.68%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 69721    | 46.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.30%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 133270   | 100.37   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.37% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 200303   | 47.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.28%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 169722   | 53.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.22% |

## Target Compounds

|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1762  | 0.793 ug/L # | 23     |
| 12) 1,1-Dichloroethene         | 2.13  | 96  | 1659  | 0.776 ug/L # | 1      |
| 25) Chloroform                 | 4.41  | 83  | 10060 | 1.923 ug/L   | 90     |
| 27) 1,2-Dichloroethane         | 5.08  | 62  | 3063  | 0.721 ug/L   | 99     |
| 34) Trichloroethene            | 5.95  | 95  | 3537  | 1.234 ug/L   | 89     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 21004 | 5.912 ug/L   | 89     |

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





#10

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

Concen: 0.793 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016441.D

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Instrument :

MSVOA\_V

ClientSampleId :

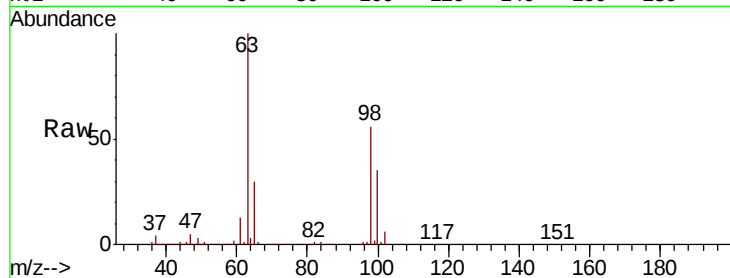
Tot Ion:101 Resp: 1762

Ion Ratio Lower Upper

101 100

85 2.4 35.6 53.4#

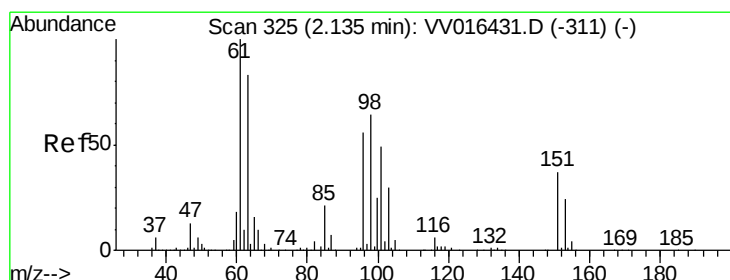
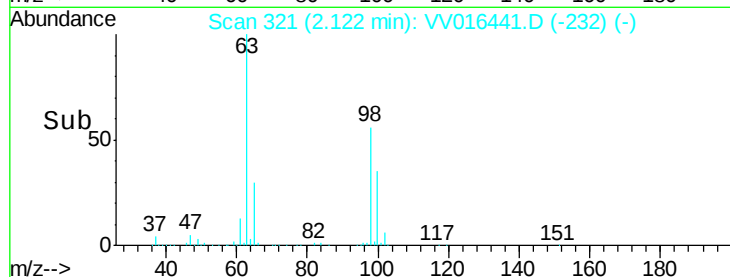
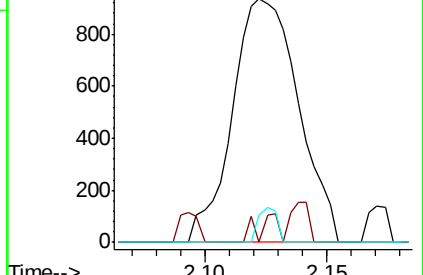
151 3.9 61.8 92.8#



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: 0.776 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV016441.D

Acq: 02 Jun 2020 21:12

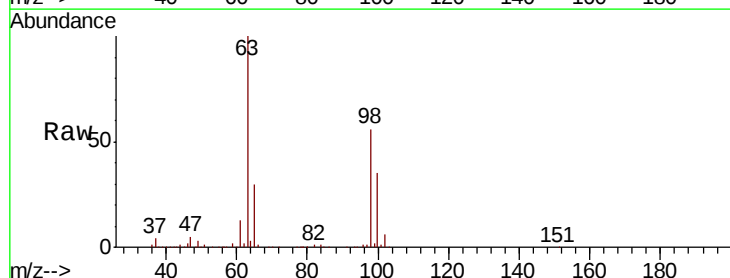
Tgt Ion: 96 Resp: 1659

Ion Ratio Lower Upper

96 100

61 1333.1 125.5 233.1#

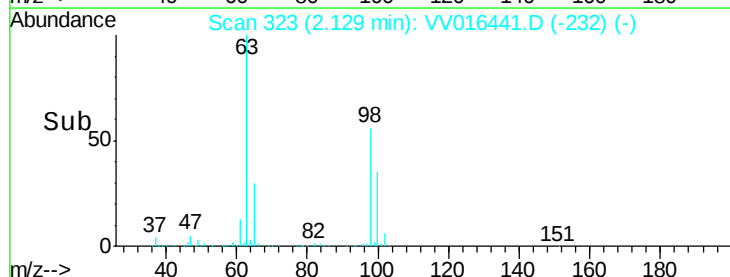
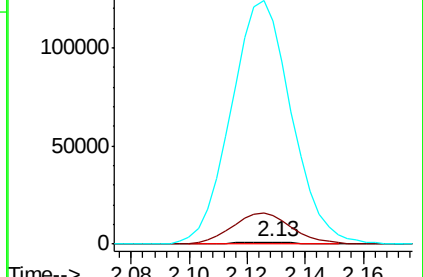
63 10319.3 104.0 193.1#

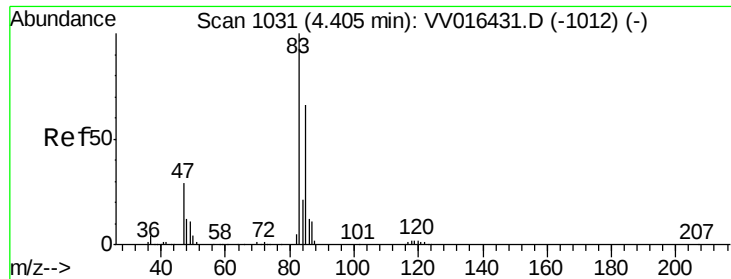


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

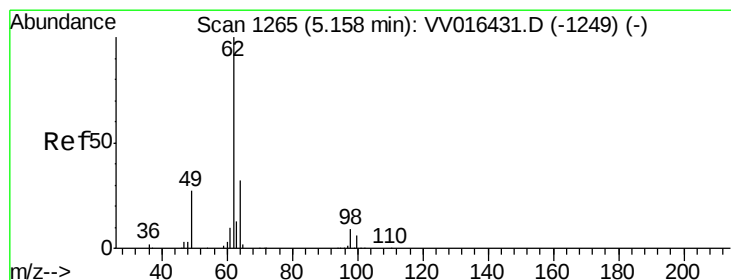
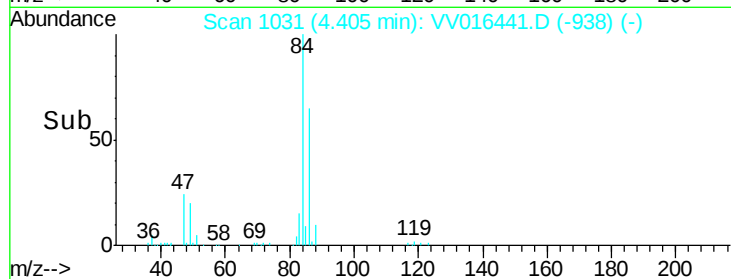
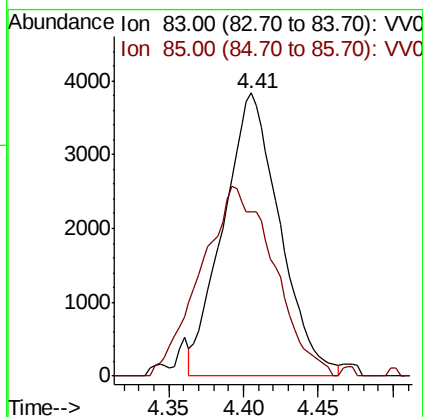
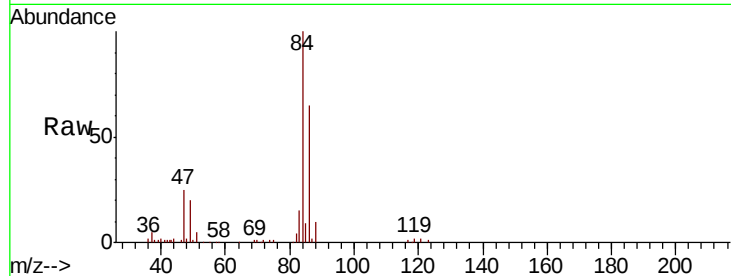




#25  
Chloroform  
Concen: 1.923 ug/L  
RT: 4.41 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: VV016441.D  
Acq: 02 Jun 2020 21:12

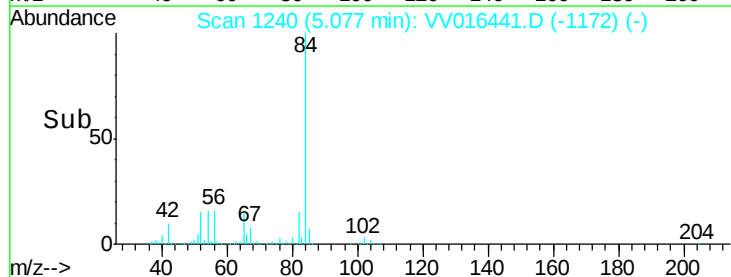
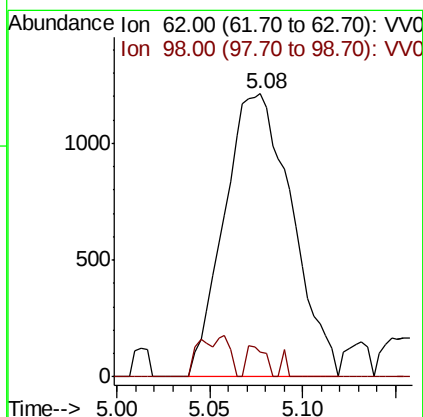
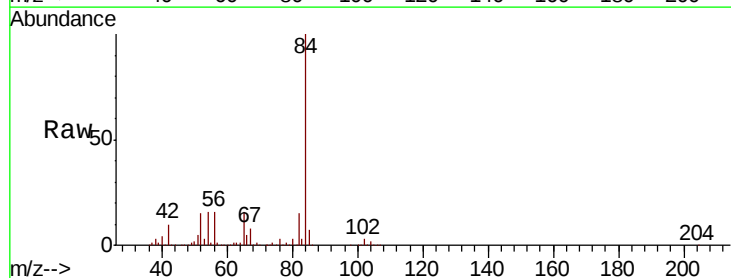
Instrument :  
MSVOA\_V  
ClientSampleId :

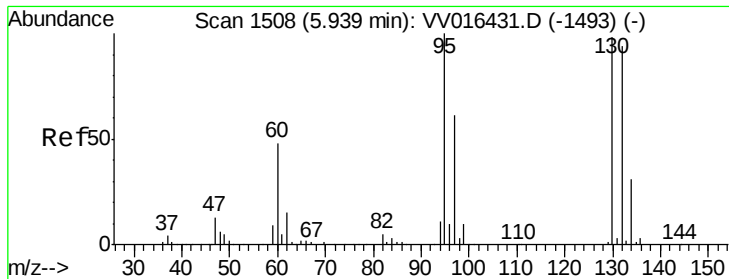
Tot Ion: 83 Resp: 10060  
Ion Ratio Lower Upper  
83 100  
85 58.0 46.1 85.7



#27  
1,2-Dichloroethane  
Concen: 0.721 ug/L  
RT: 5.08 min Scan# 1240  
Delta R.T. -0.08 min  
Lab File: VV016441.D  
Acq: 02 Jun 2020 21:12

Tgt Ion: 62 Resp: 3063  
Ion Ratio Lower Upper  
62 100  
98 8.8 6.9 10.3





#34

Trichloroethene

Concen: 1.234 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV016441.D

Acq: 02 Jun 2020 21:12

Instrument :

MSVOA\_V

ClientSampleId :

Tot Ion: 95 Resp: 3537

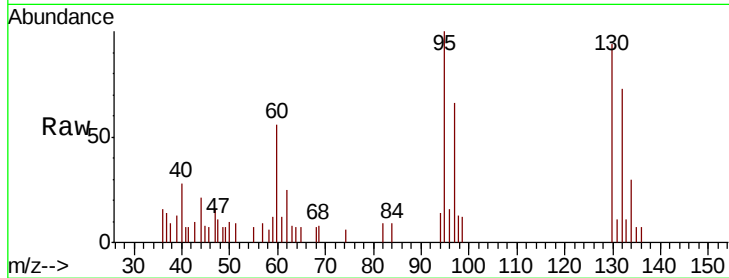
Ion Ratio Lower Upper

95 100

97 66.1 42.8 79.6

132 73.1 65.6 121.8

130 94.4 69.0 128.1

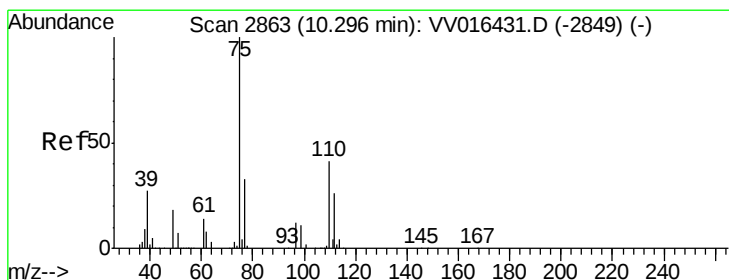
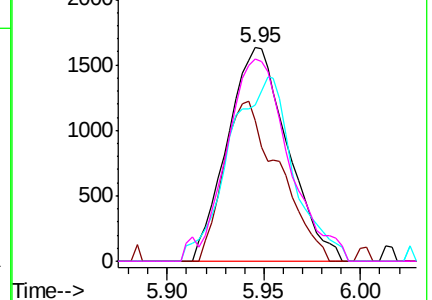
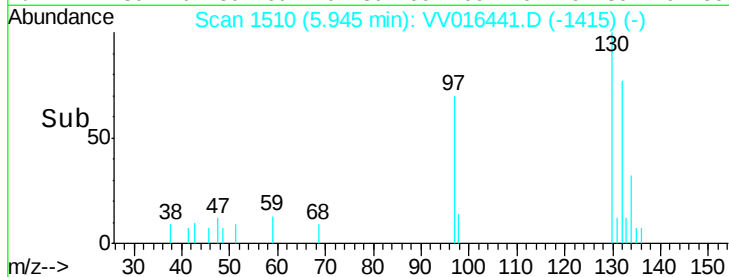


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#59

1,2,3-Trichloropropane

Concen: 5.912 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV016441.D

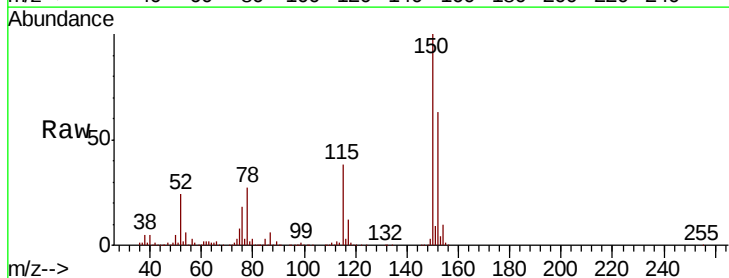
Acq: 02 Jun 2020 21:12

Tgt Ion: 75 Resp: 21004

Ion Ratio Lower Upper

75 100

77 39.4 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

