

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV103020\  
 Data File : VV019176.D  
 Acq On : 30 Oct 2020 10:49  
 Operator : SY/MD  
 Sample : VV1030MBL01  
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VV1030MBL01

Quant Time: Oct 31 03:03:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 31 02:55:48 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 154080   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 154250   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 75969    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 74889    | 61.16    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 122.32%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 59881    | 62.95    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 125.90%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 117056   | 50.25    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 100.50%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 97214    | 129.63   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 129.63%  |
| 24) Chloroform-d               | 4.38    | 84    | 152329   | 66.88    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 133.76%# |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 109574   | 69.04    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 138.08%# |
| 32) Benzene-d6                 | 5.07    | 84    | 288608   | 65.96    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 131.92%# |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 87913    | 67.38    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 134.76%# |
| 41) Toluene-d8                 | 7.34    | 98    | 269641   | 64.15    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 128.30%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 48018    | 63.60    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 127.20%# |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 69005    | 122.13   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 122.13%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 110905   | 63.05    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 126.10%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 113244   | 70.95    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 141.90%# |

## Target Compounds

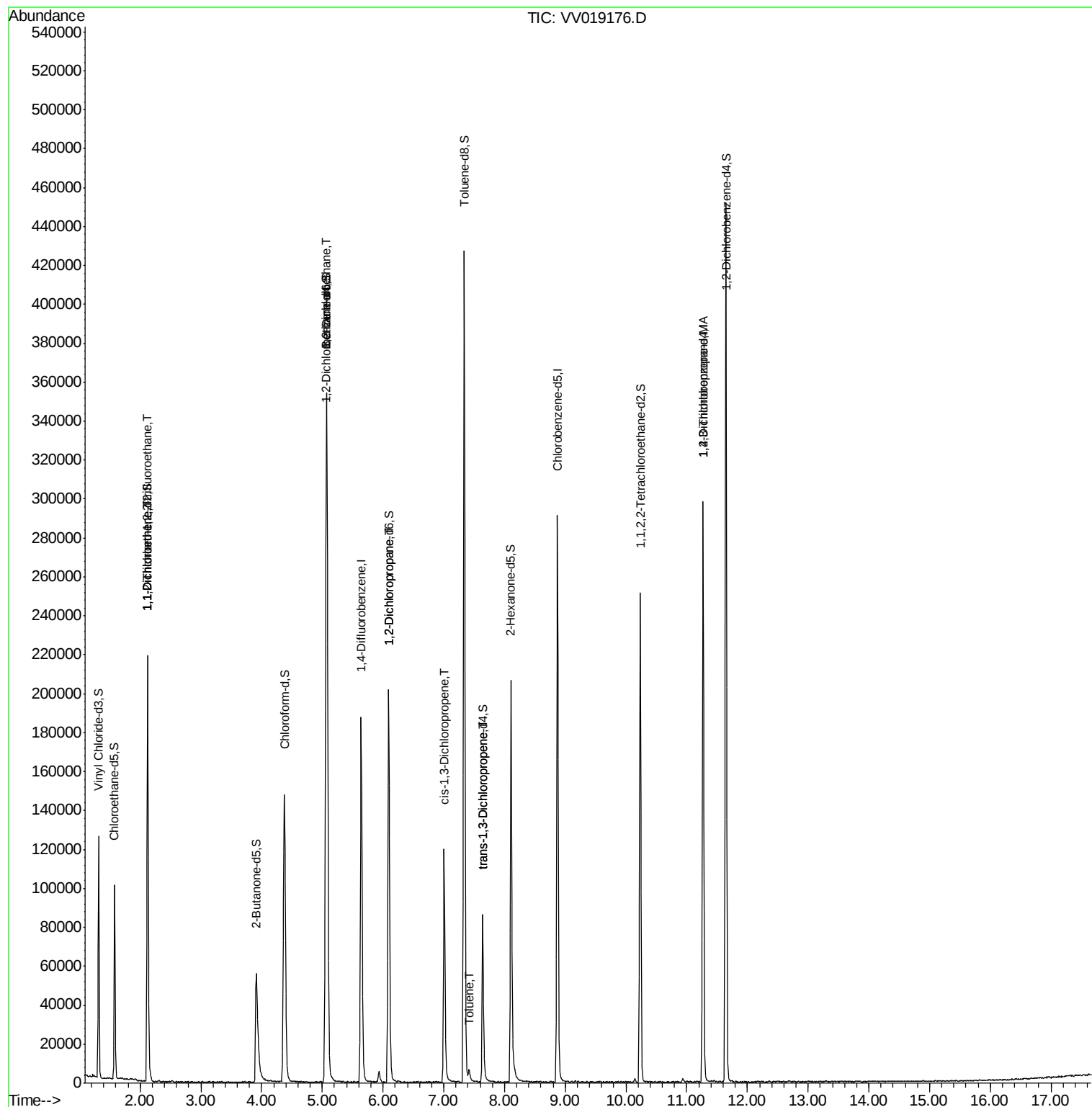
|                                |       |     |       |               | Ovalue |
|--------------------------------|-------|-----|-------|---------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1081  | 1.071 ug/L #  | 17     |
| 12) 1,1-Dichloroethene         | 2.12  | 96  | 1002  | 1.014 ug/L #  | 1      |
| 27) 1,2-Dichloroethane         | 5.08  | 62  | 2215  | 1.218 ug/L #  | 76     |
| 37) 1,2-Dichloropropane        | 6.09  | 63  | 11478 | 10.392 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene    | 7.01  | 75  | 3344  | 1.833 ug/L #  | 80     |
| 42) Toluene                    | 7.42  | 91  | 4214  | 0.864 ug/L    | 99     |
| 44) trans-1,3-Dichloropropene  | 7.64  | 75  | 2348  | 1.237 ug/L    | 93     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 8131  | 5.631 ug/L #  | 88     |

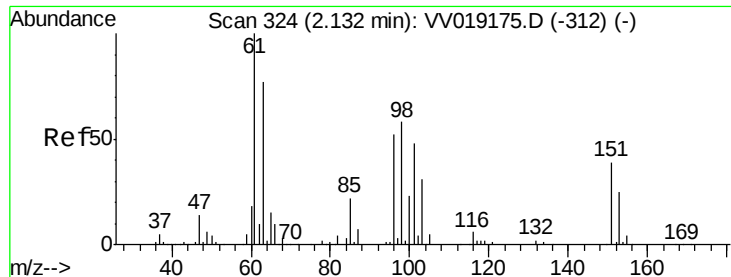
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1030MBL01

Quant Time: Oct 31 03:03:03 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102920WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Oct 31 02:55:48 2020  
Response via : Initial Calibration





#10

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

Concen: 1.071 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019176.D

Acq: 30 Oct 2020 10:49

Instrument :

MSVOA\_V

ClientSampleId :

VV1030MBL01

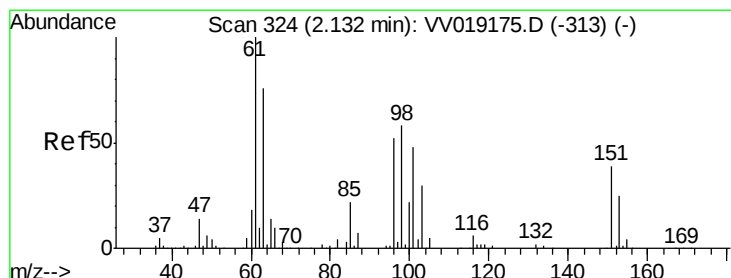
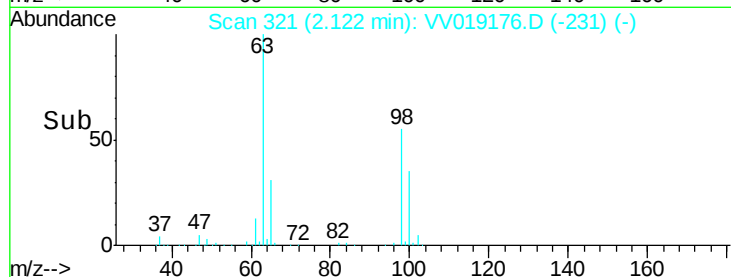
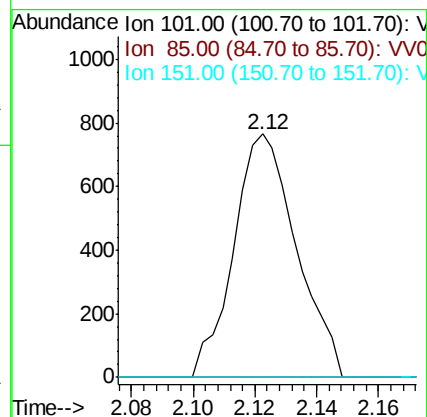
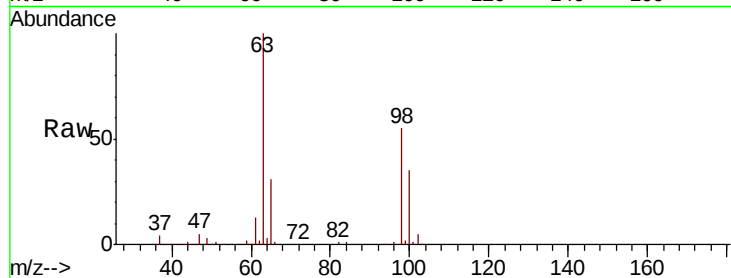
Tot Ion:101 Resp: 1081

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 65.0 97.4#



#12

1,1-Dichloroethene

Concen: 1.014 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019176.D

Acq: 30 Oct 2020 10:49

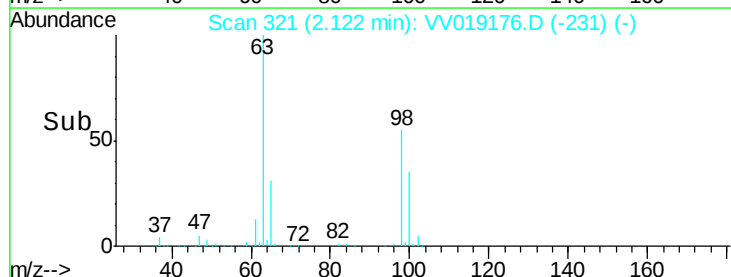
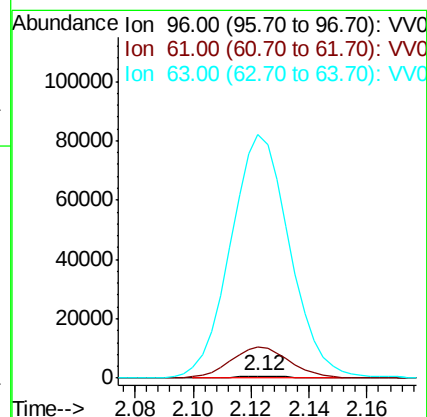
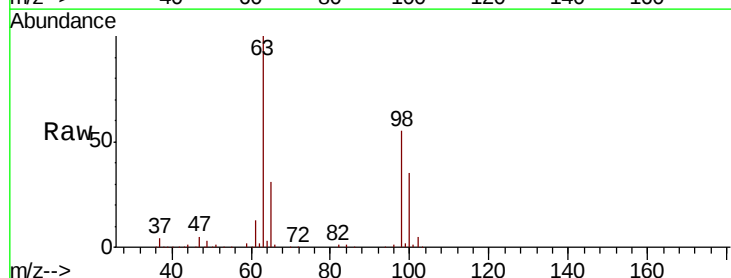
Tgt Ion: 96 Resp: 1002

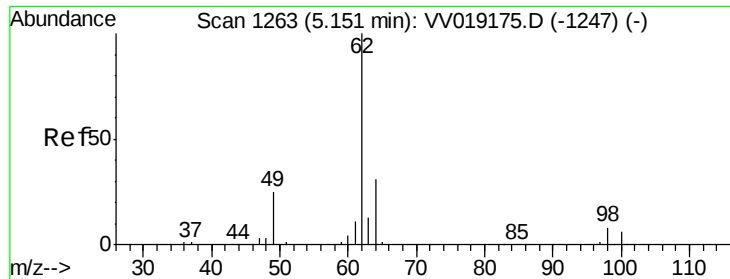
Ion Ratio Lower Upper

96 100

61 1437.3 132.6 246.2#

63 11290.2 108.4 201.4#

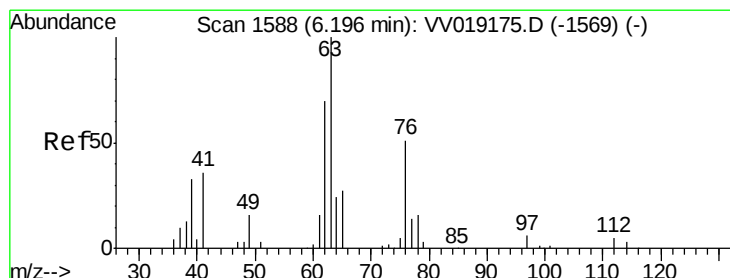
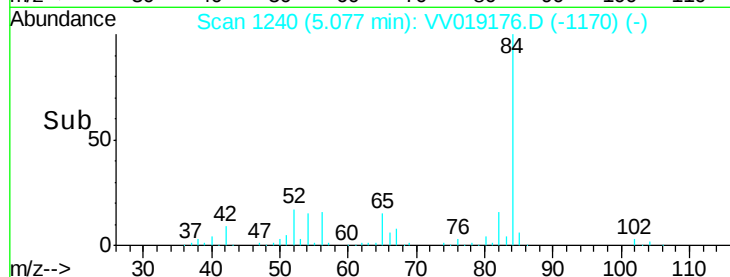
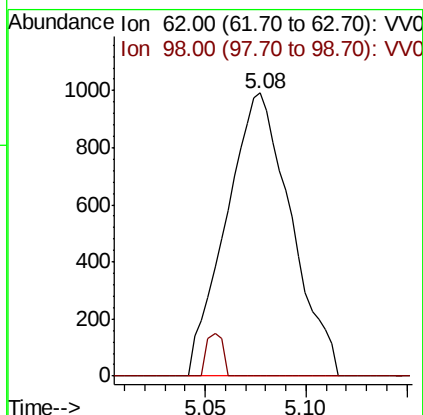
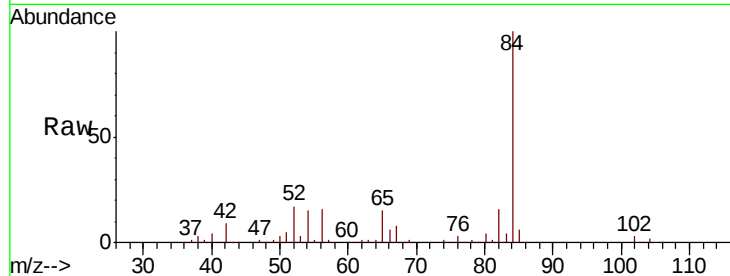




#27  
 1,2-Dichloroethane  
 Concen: 1.218 ug/L  
 RT: 5.08 min Scan# 1240  
 Delta R.T. -0.07 min  
 Lab File: VV019176.D  
 Acq: 30 Oct 2020 10:49

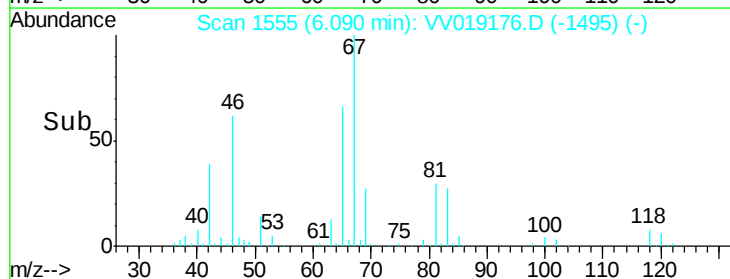
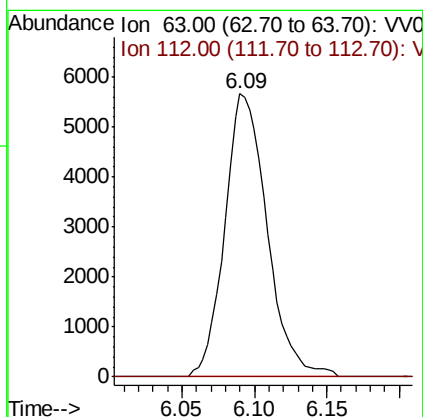
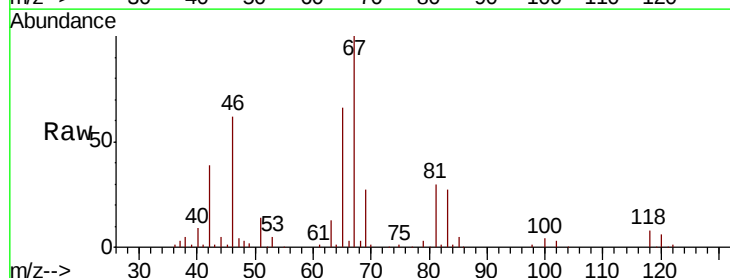
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VV1030MBL01

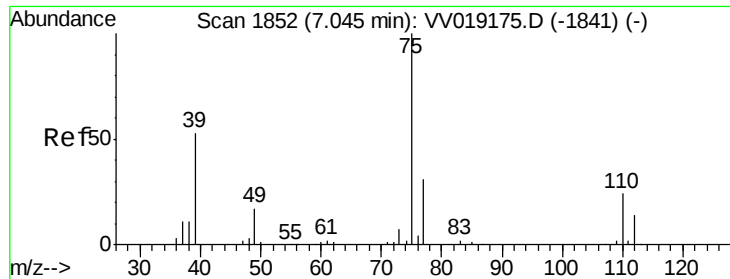
Tot Ion: 62 Resp: 2215  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 6.8 10.2#



#37  
 1,2-Dichloropropane  
 Concen: 10.392 ug/L  
 RT: 6.09 min Scan# 1555  
 Delta R.T. -0.11 min  
 Lab File: VV019176.D  
 Acq: 30 Oct 2020 10:49

Tgt Ion: 63 Resp: 11478  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.8 5.8#

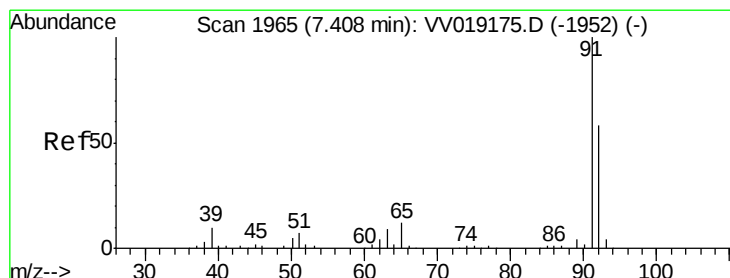
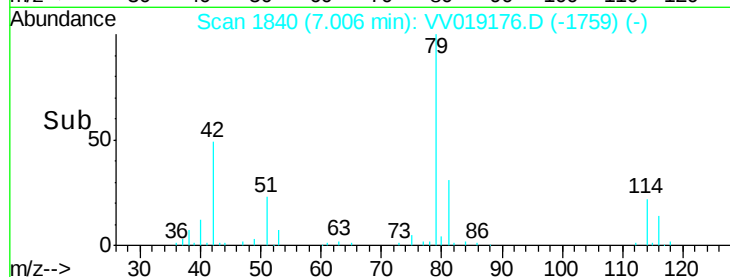
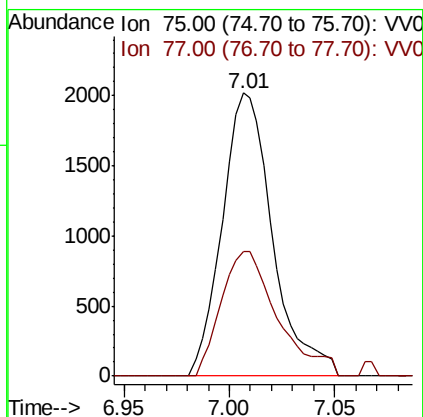
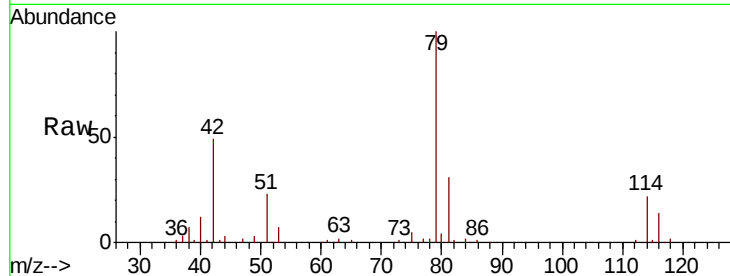




#39  
 cis-1,3-Dichloropropene  
 Concen: 1.833 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV019176.D  
 Acq: 30 Oct 2020 10:49

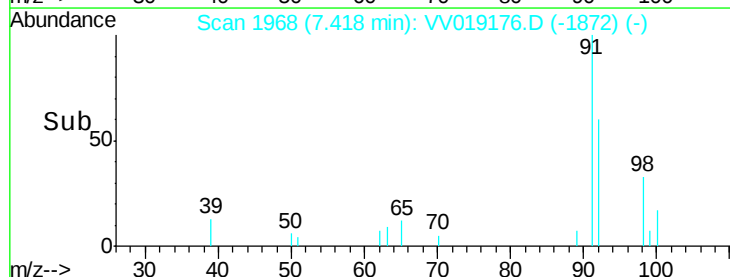
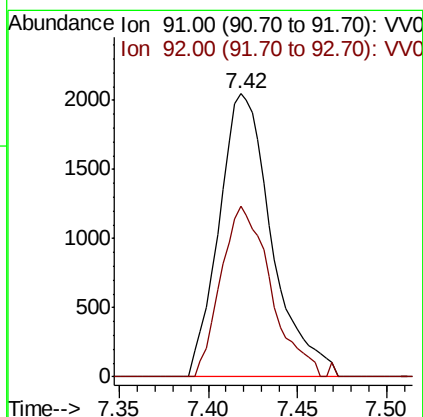
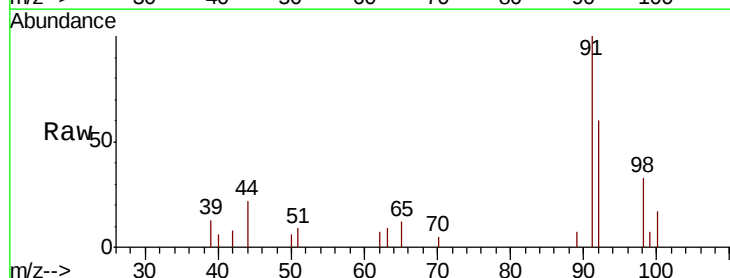
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VV1030MBL01

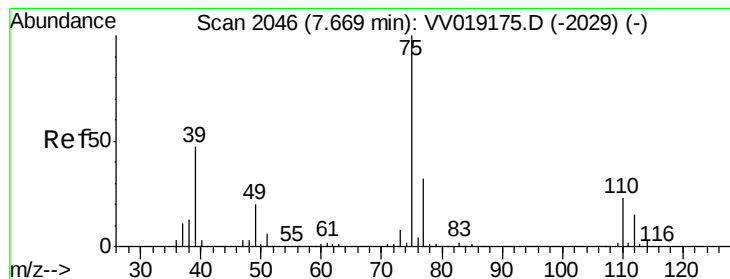
Tot Ion: 75 Resp: 3344  
 Ion Ratio Lower Upper  
 75 100  
 77 43.8 22.7 42.1#



#42  
 Toluene  
 Concen: 0.864 ug/L  
 RT: 7.42 min Scan# 1968  
 Delta R.T. 0.01 min  
 Lab File: VV019176.D  
 Acq: 30 Oct 2020 10:49

Tgt Ion: 91 Resp: 4214  
 Ion Ratio Lower Upper  
 91 100  
 92 60.4 41.5 77.1





#44

trans-1,3-Dichloropropene

Concen: 1.237 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV019176.D

Acq: 30 Oct 2020 10:49

Instrument :

MSVOA\_V

ClientSampleId :

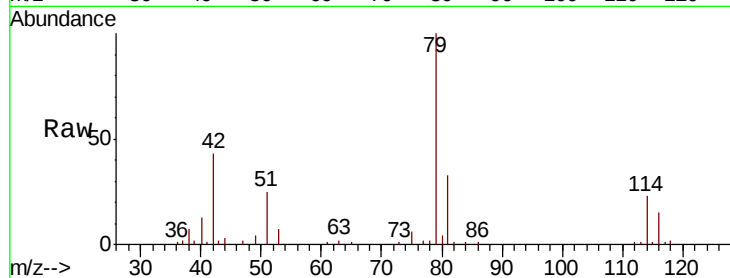
VV1030MBL01

Tot Ion: 75 Resp: 2348

Ion Ratio Lower Upper

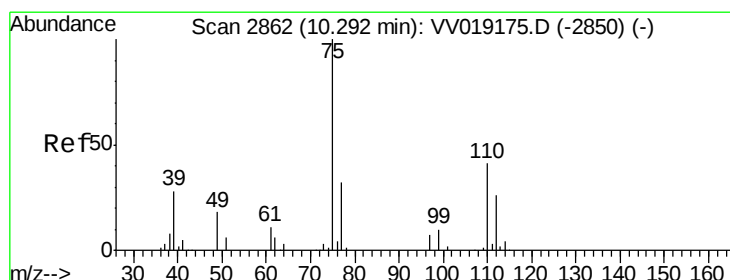
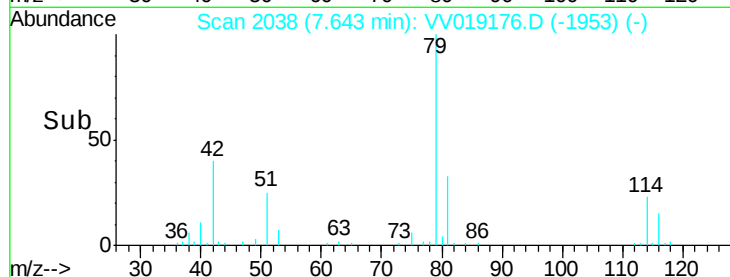
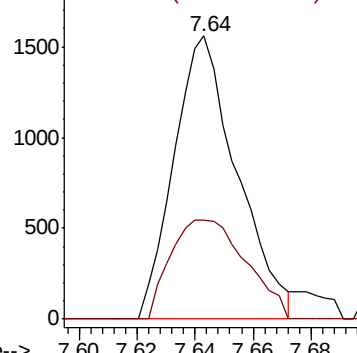
75 100

77 35.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane

Concen: 5.631 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019176.D

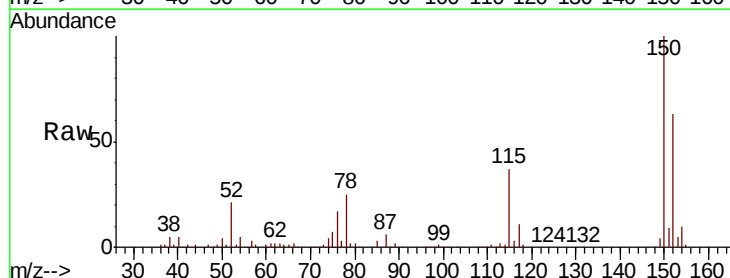
Acq: 30 Oct 2020 10:49

Tgt Ion: 75 Resp: 8131

Ion Ratio Lower Upper

75 100

77 39.6 26.2 39.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

