

Data File : VV014665.D  
Acq On : 21 Feb 2020 19:59  
Operator : SY/MD  
Sample : L1607-13  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AP9

Quant Time: Feb 21 23:41:43 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM022120WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Feb 21 23:36:05 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 223441   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 210290   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 98698    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 34994    | 40.10    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 80.20% |
| 7) Chloroethane-d5             | 1.59    | 69    | 28136    | 44.49    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.98% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 58154    | 35.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.50% |
| 21) 2-Butanone-d5              | 3.95    | 46    | 79558    | 98.08    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.08% |
| 24) Chloroform-d               | 4.40    | 84    | 128359   | 44.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.86% |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 88595    | 48.50    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.00% |
| 32) Benzene-d6                 | 5.10    | 84    | 265555   | 47.71    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.42% |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 79425    | 48.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.88% |
| 41) Toluene-d8                 | 7.36    | 98    | 245985   | 45.89    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.78% |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 41639    | 45.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.60% |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 61895    | 95.15    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.15% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 108864   | 48.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.82% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 94811    | 49.10    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.20% |

#### Target Compounds

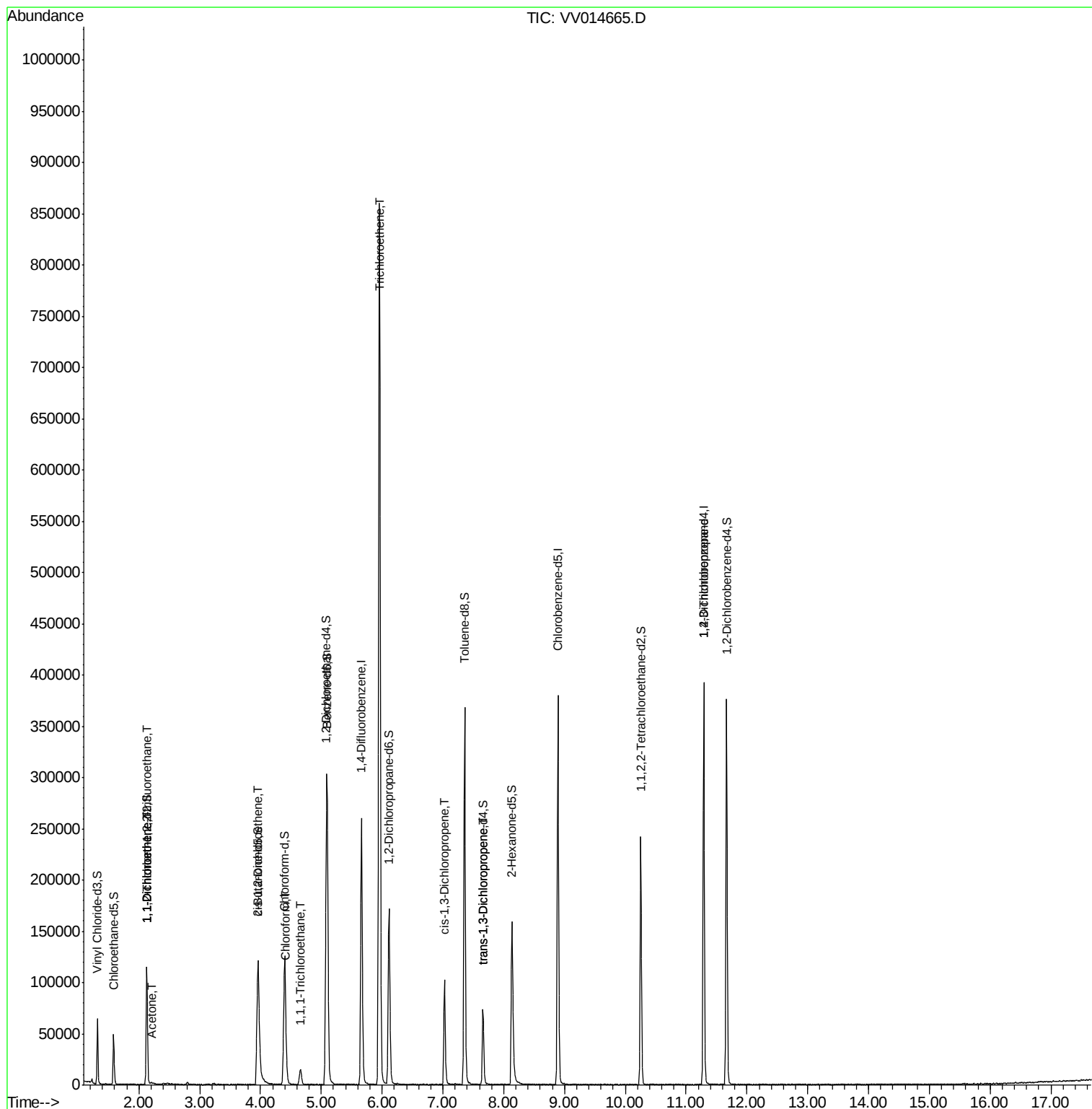
|                                |       |     |        |         | Qvalue |    |
|--------------------------------|-------|-----|--------|---------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13  | 101 | 663    | 0.876   | ug/L # | 17 |
| 12) 1,1-Dichloroethene         | 2.14  | 96  | 2247   | 3.299   | ug/L # | 1  |
| 13) Acetone                    | 2.22  | 43  | 1436   | 1.994   | ug/L   | 90 |
| 20) cis-1,2-Dichloroethene     | 3.96  | 96  | 51182  | 33.363  | ug/L   | 99 |
| 25) Chloroform                 | 4.42  | 83  | 6536   | 2.360   | ug/L   | 92 |
| 30) 1,1,1-Trichloroethane      | 4.66  | 97  | 11900  | 4.866   | ug/L   | 97 |
| 34) Trichloroethene            | 5.96  | 95  | 296748 | 187.970 | ug/L   | 99 |
| 39) cis-1,3-Dichloropropene    | 7.03  | 75  | 2849   | 1.203   | ug/L # | 71 |
| 44) trans-1,3-Dichloropropene  | 7.66  | 75  | 2228   | 1.037   | ug/L   | 98 |
| 59) 1,2,3-Trichloropropane     | 11.29 | 75  | 10489  | 5.844   | ug/L # | 85 |

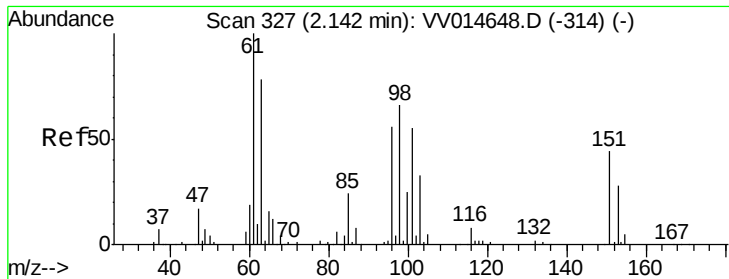
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Feb 21 23:36:05 2020  
Response via : Initial Calibration





#10

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

Concen: 0.876 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014665.D

Acq: 21 Feb 2020 19:59

Instrument :

MSVOA\_V

ClientSampleId :

C0AP9

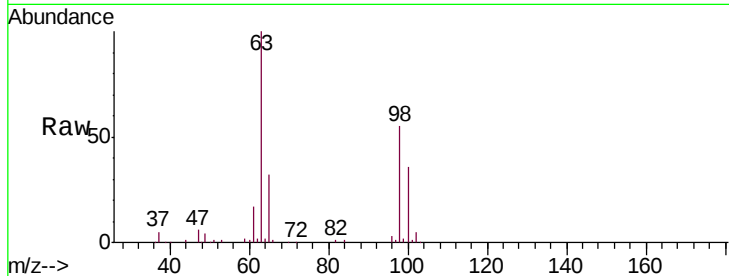
Tgt Ion: 101 Resp: 663

Ion Ratio Lower Upper

101 100

85 0.0 37.3 55.9#

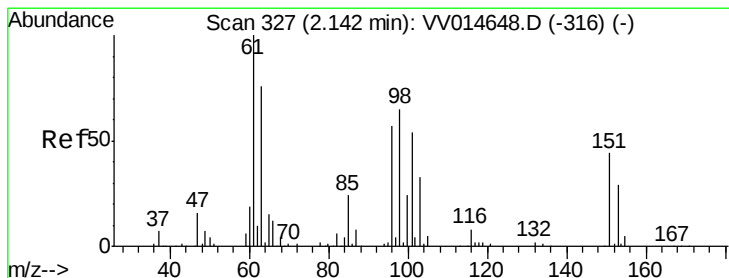
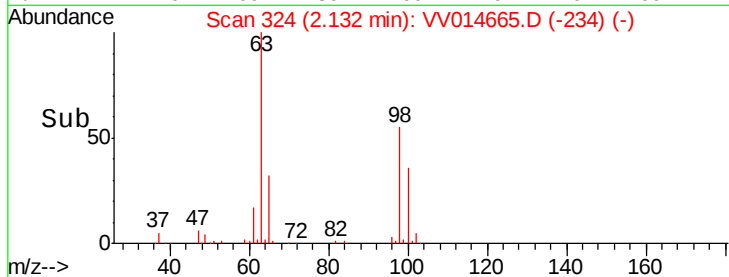
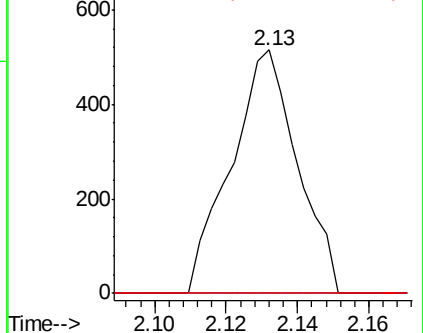
151 0.0 64.6 96.8#



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: 3.299 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014665.D

Acq: 21 Feb 2020 19:59

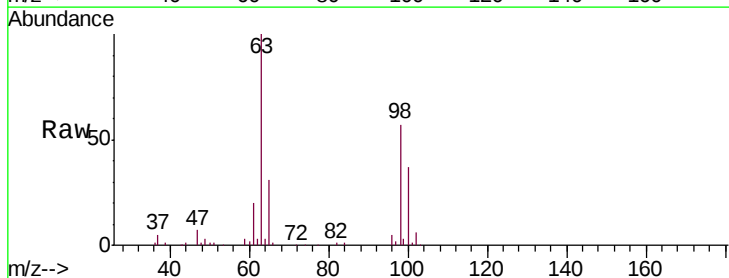
Tgt Ion: 96 Resp: 2247

Ion Ratio Lower Upper

96 100

61 407.3 124.5 231.1#

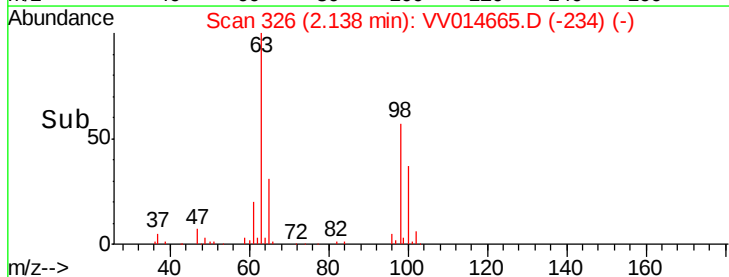
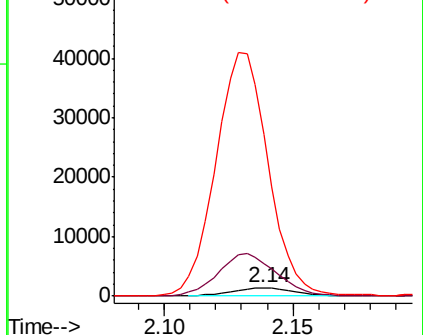
63 1995.3 98.1 182.1#

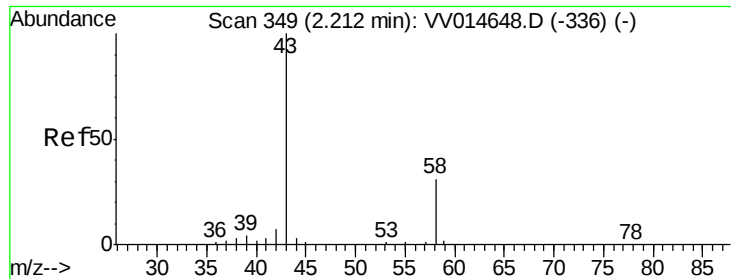


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.994 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV014665.D

Acq: 21 Feb 2020 19:59

Instrument :

MSVOA\_V

ClientSampleId :

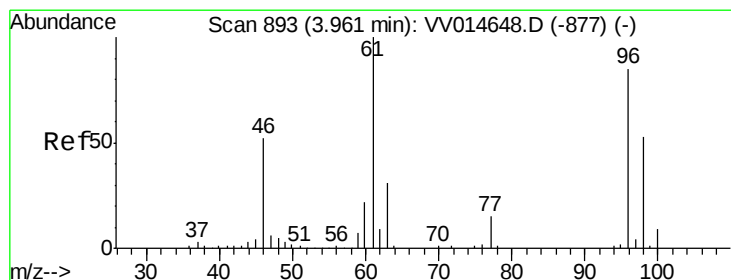
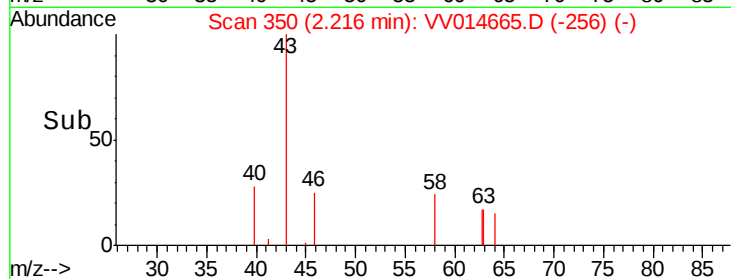
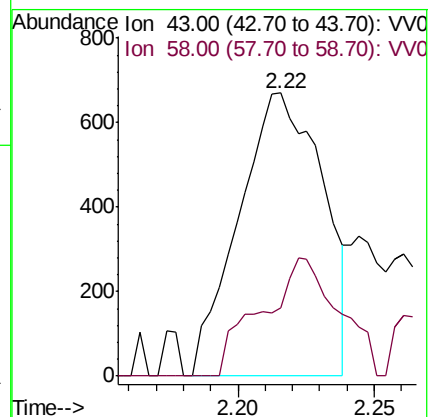
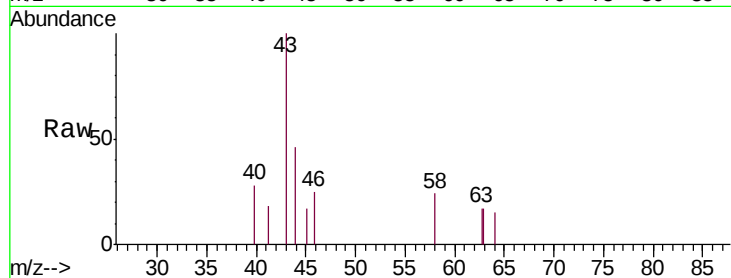
C0AP9

Tgt Ion: 43 Resp: 1436

Ion Ratio Lower Upper

43 100

58 27.4 0.0 66.8



#20

cis-1,2-Dichloroethene

Concen: 33.363 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014665.D

Acq: 21 Feb 2020 19:59

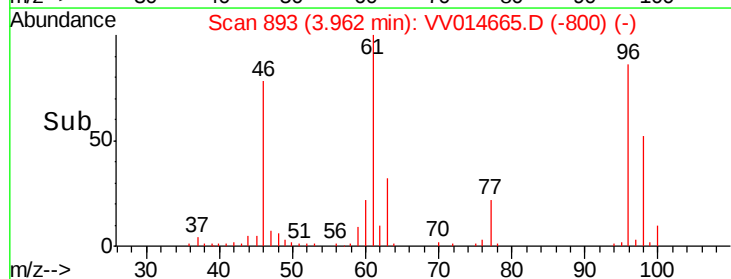
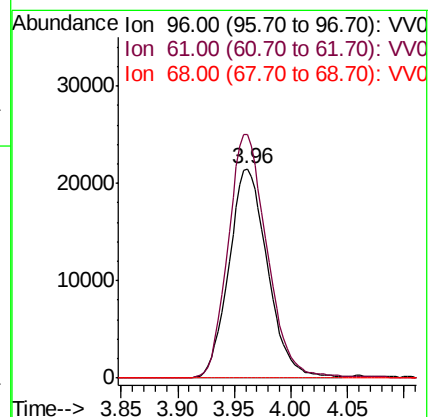
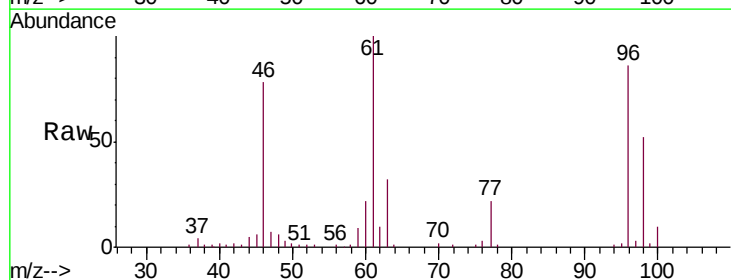
Tgt Ion: 96 Resp: 51182

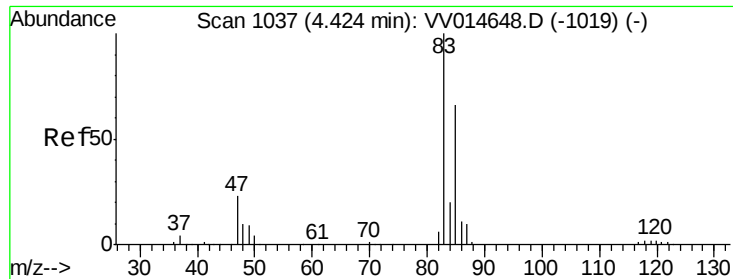
Ion Ratio Lower Upper

96 100

61 116.1 82.4 153.0

68 0.0 0.0 0.0

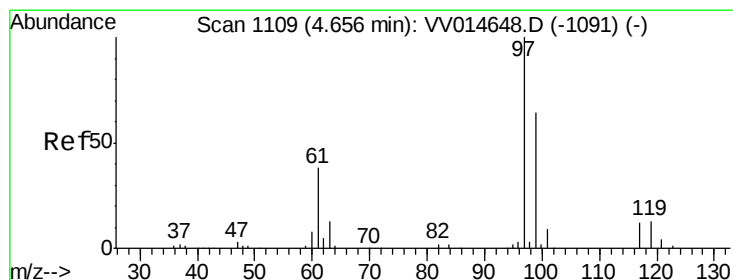
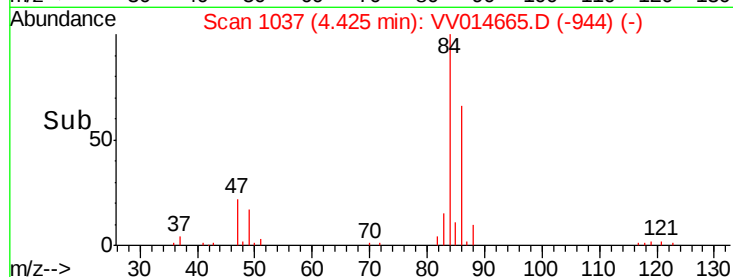
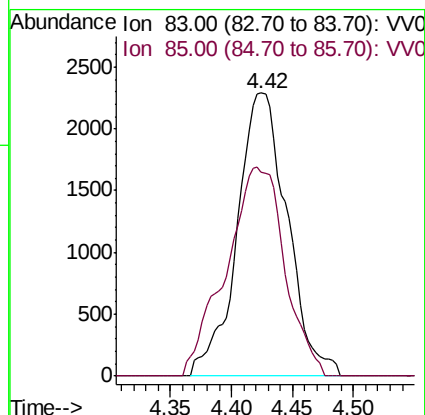
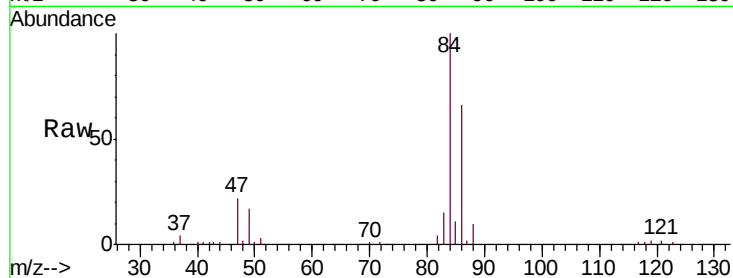




#25  
Chloroform  
Concen: 2.360 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: VV014665.D  
Acq: 21 Feb 2020 19:59

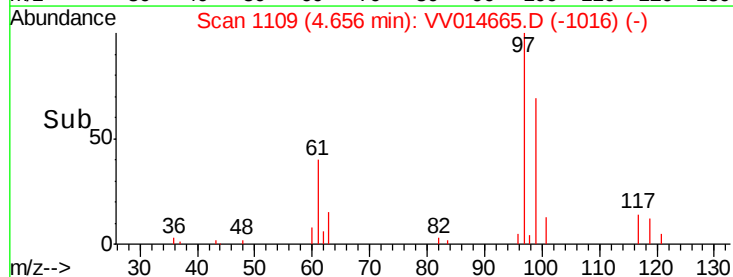
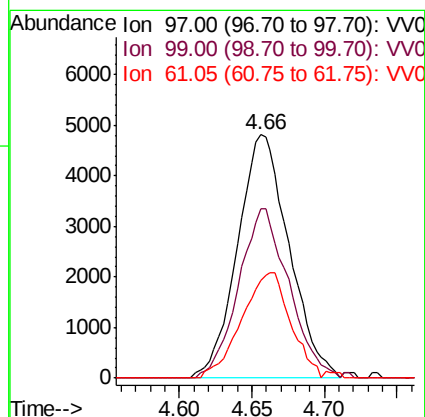
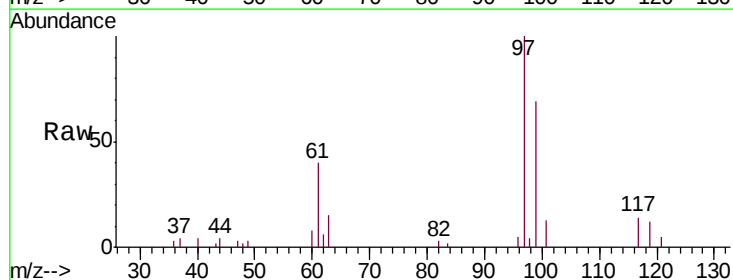
Instrument :  
MSVOA\_V  
ClientSampled :  
C0AP9

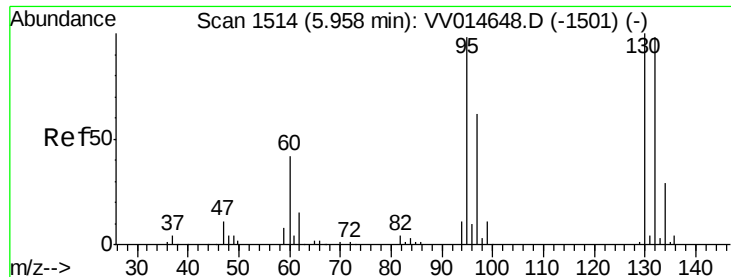
Tgt Ion: 83 Resp: 6536  
Ion Ratio Lower Upper  
83 100  
85 72.2 46.1 85.7



#30  
1,1,1-Trichloroethane  
Concen: 4.866 ug/L  
RT: 4.66 min Scan# 1109  
Delta R.T. 0.00 min  
Lab File: VV014665.D  
Acq: 21 Feb 2020 19:59

Tgt Ion: 97 Resp: 11900  
Ion Ratio Lower Upper  
97 100  
99 67.8 52.0 78.0  
61 41.2 31.4 47.0





#34

Trichloroethene

Concen: 187.970 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014665.D

Acq: 21 Feb 2020 19:59

Instrument :

MSVOA\_V

ClientSampleId :

C0AP9

Tgt Ion: 95 Resp: 296748

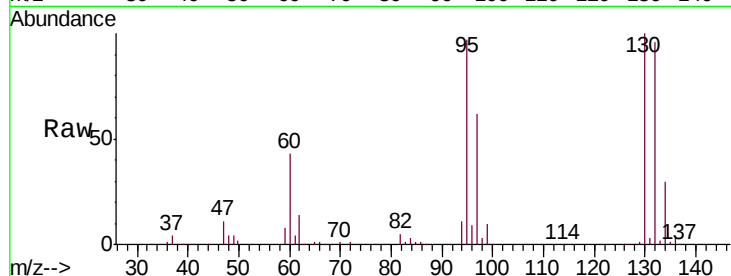
Ion Ratio Lower Upper

95 100

97 64.1 44.3 82.3

132 98.6 69.7 129.4

130 103.1 71.3 132.5

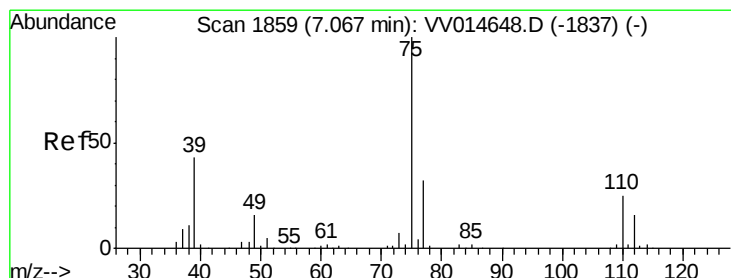
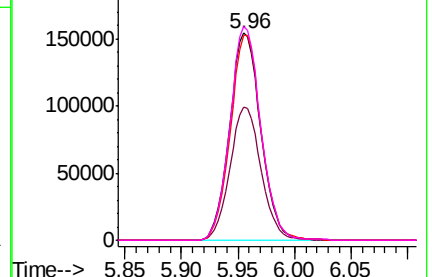
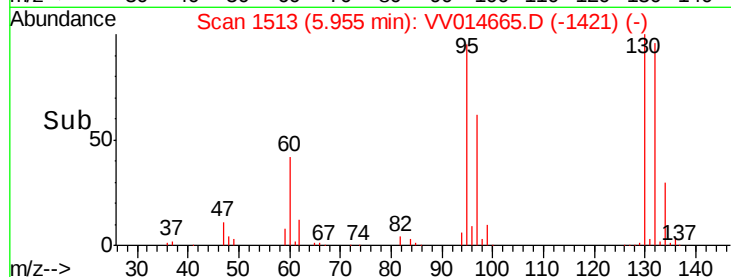


Abundance Ion 95.00 (94.70 to 95.70): VV014648.D (-1501) (-)

Ion 97.00 (96.70 to 97.70): VV014648.D (-1501) (-)

Ion 132.00 (131.70 to 132.70): VV014648.D (-1501) (-)

Ion 130.00 (129.70 to 130.70): VV014648.D (-1501) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.203 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV014665.D

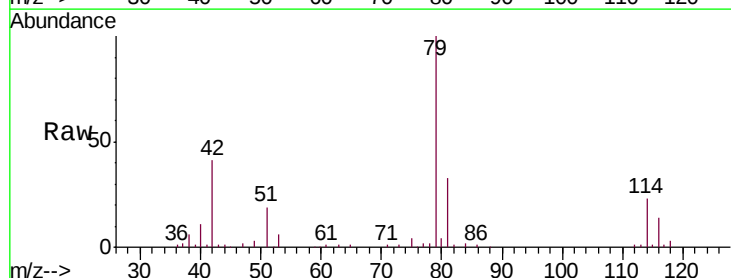
Acq: 21 Feb 2020 19:59

Tgt Ion: 75 Resp: 2849

Ion Ratio Lower Upper

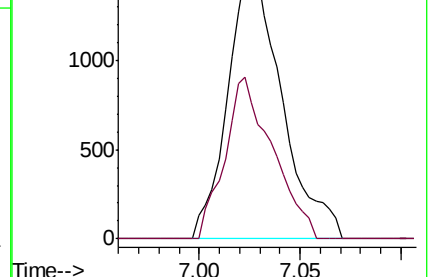
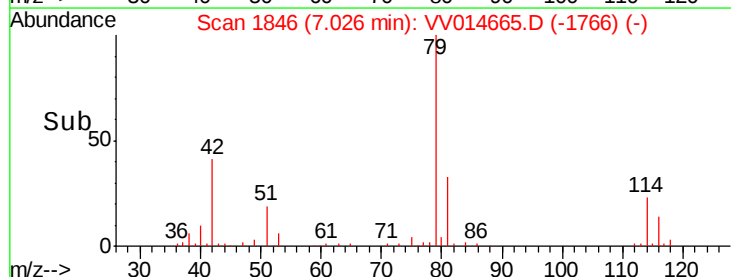
75 100

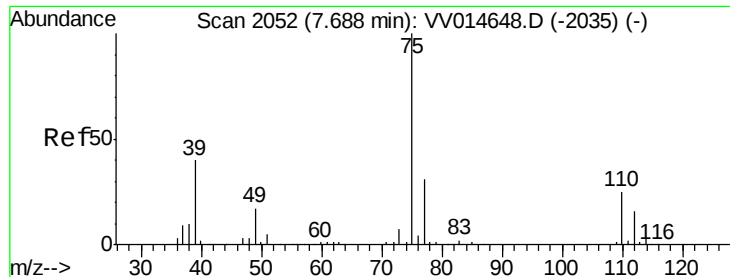
77 48.3 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV014648.D (-1837) (-)

Ion 77.00 (76.70 to 77.70): VV014648.D (-1837) (-)





#44

trans-1,3-Dichloropropene

Concen: 1.037 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV014665.D

Acq: 21 Feb 2020 19:59

Instrument :

MSVOA\_V

ClientSampleId :

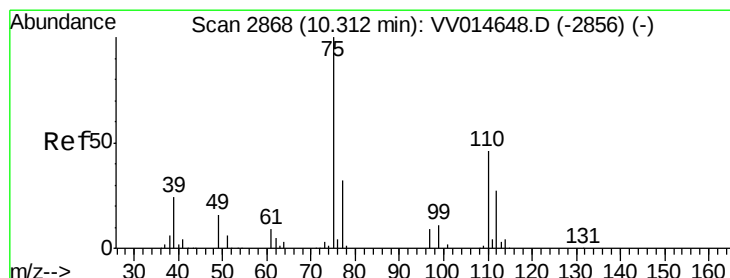
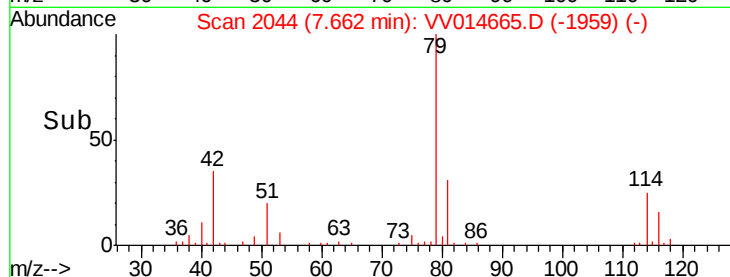
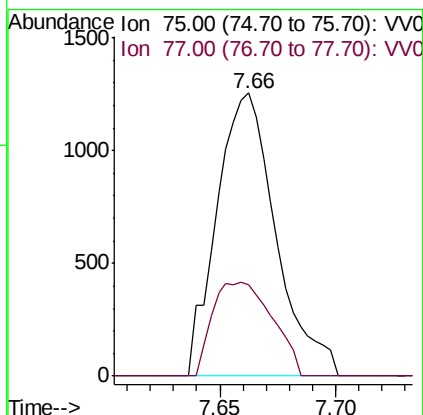
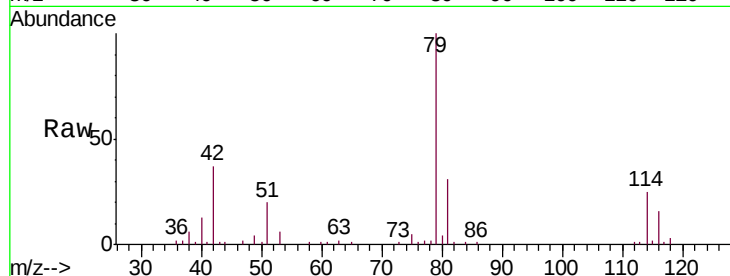
C0AP9

Tgt Ion: 75 Resp: 2228

Ion Ratio Lower Upper

75 100

77 32.3 21.9 40.7



#59

1,2,3-Trichloropropane

Concen: 5.844 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.98 min

Lab File: VV014665.D

Acq: 21 Feb 2020 19:59

Tgt Ion: 75 Resp: 10489

Ion Ratio Lower Upper

75 100

77 40.6 25.7 38.5#

