

Data File : VV014652.D  
Acq On : 21 Feb 2020 14:50  
Operator : SY/MD  
Sample : VV0221WBL01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK74

Quant Time: Feb 21 23:39:38 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  | 242374   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 227561   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 104398   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 46545    | 49.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 98.34%  |
| 7) Chloroethane-d5             | 1.59    | 69    | 36185    | 52.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 105.48% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 67391    | 38.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.38%  |
| 21) 2-Butanone-d5              | 3.94    | 46    | 86569    | 98.39    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.39%  |
| 24) Chloroform-d               | 4.40    | 84    | 145693   | 47.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.02%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 99787    | 50.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.72% |
| 32) Benzene-d6                 | 5.10    | 84    | 303462   | 50.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.76% |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 88810    | 50.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.14% |
| 41) Toluene-d8                 | 7.36    | 98    | 281381   | 48.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.00%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 47008    | 47.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.56%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 70240    | 99.79    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.79%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 120169   | 49.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.76%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 107128   | 52.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.90% |

#### Target Compounds

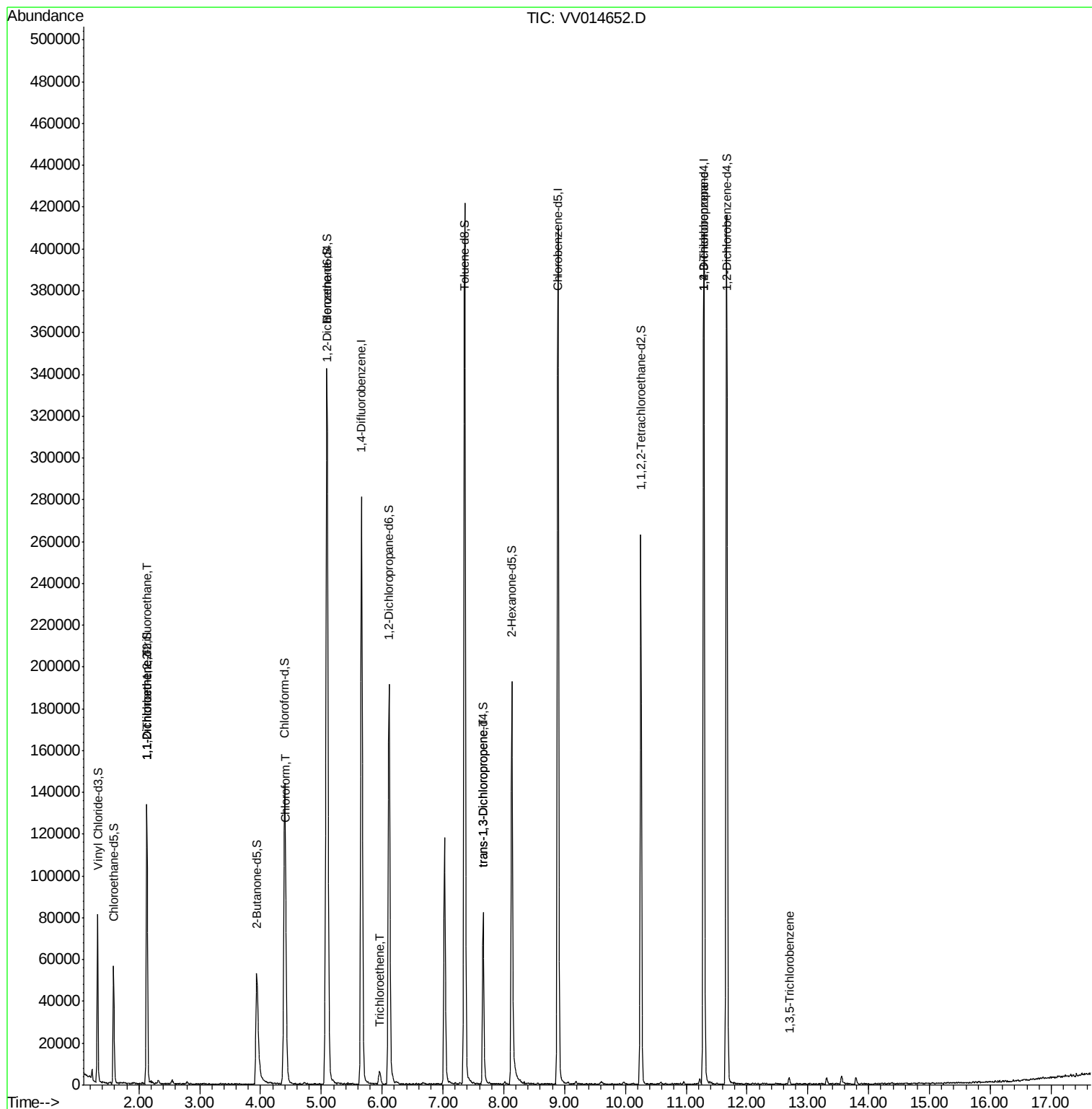
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13  | 101 | 826   | 1.006 ug/L # | 23     |
| 12) 1,1-Dichloroethene         | 2.13  | 96  | 650   | 0.880 ug/L # | 1      |
| 25) Chloroform                 | 4.42  | 83  | 8506  | 2.832 ug/L   | 91     |
| 34) Trichloroethene            | 5.96  | 95  | 1774  | 1.038 ug/L   | 91     |
| 44) trans-1,3-Dichloropropene  | 7.66  | 75  | 2570  | 1.105 ug/L   | 87     |
| 59) 1,2,3-Trichloropropane     | 11.29 | 75  | 12204 | 6.284 ug/L   | 90     |
| 67) 1,3,5-Trichlorobenzene     | 12.69 | 180 | 1150  | 0.500 ug/L # | 87     |

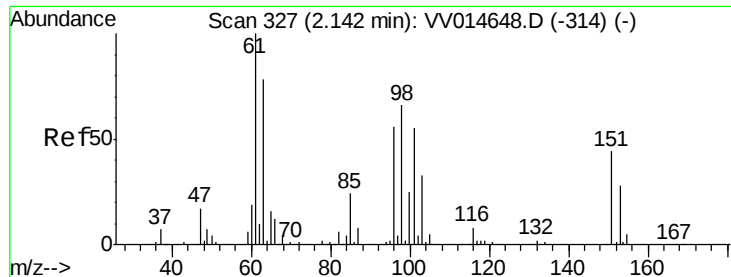
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 21 23:36:05 2020  
Response via : Initial Calibration





#10

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

Concen: 1.006 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014652.D

Acq: 21 Feb 2020 14:50

Instrument :

MSVOA\_V

ClientSampleId :

VBLK74

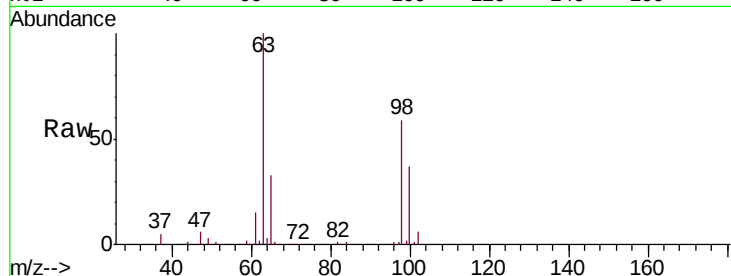
Tgt Ion: 101 Resp: 826

Ion Ratio Lower Upper

101 100

85 5.1 37.3 55.9#

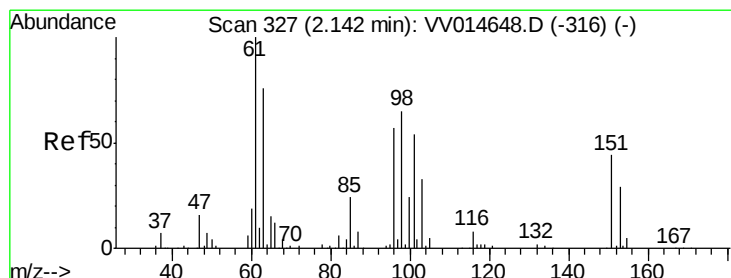
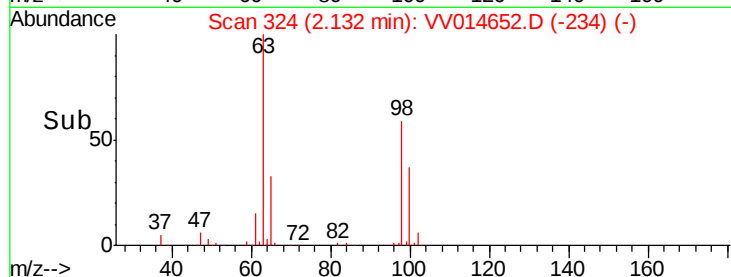
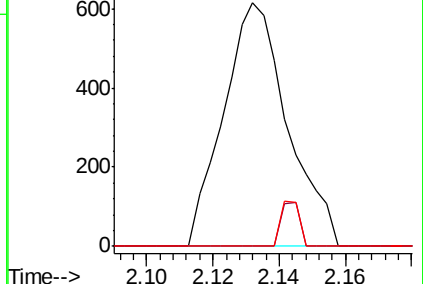
151 5.3 64.6 96.8#



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: 0.880 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014652.D

Acq: 21 Feb 2020 14:50

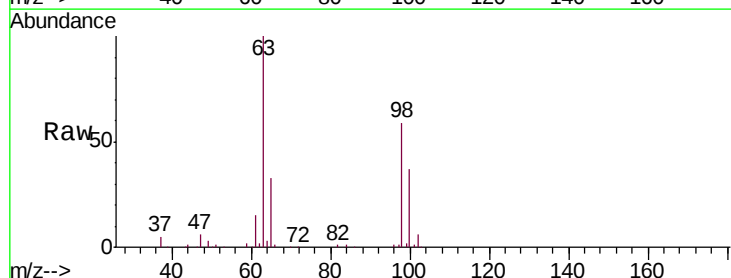
Tgt Ion: 96 Resp: 650

Ion Ratio Lower Upper

96 100

61 1627.3 124.5 231.1#

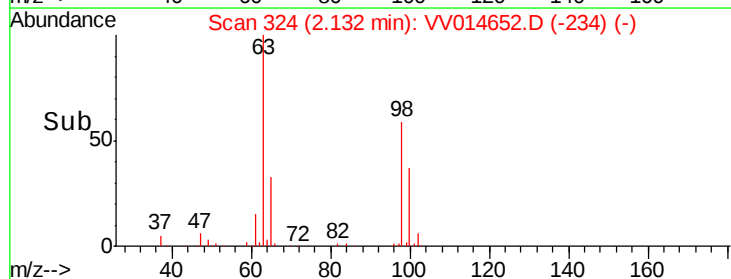
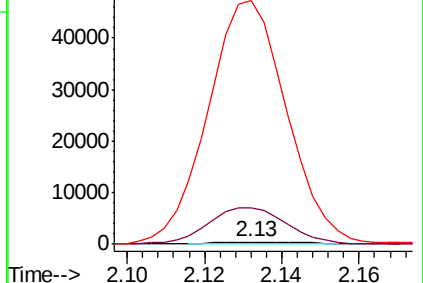
63 10773.6 98.1 182.1#

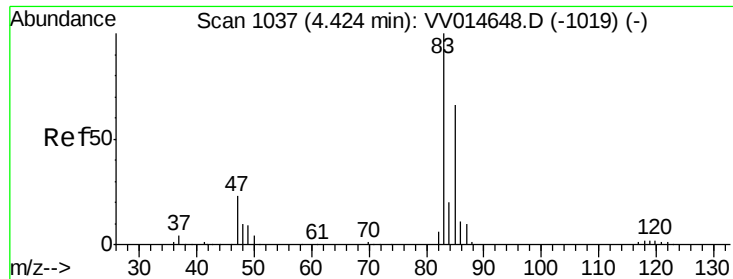


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#25

Chloroform

Concen: 2.832 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV014652.D

Acq: 21 Feb 2020 14:50

Instrument :

MSVOA\_V

ClientSampleId :

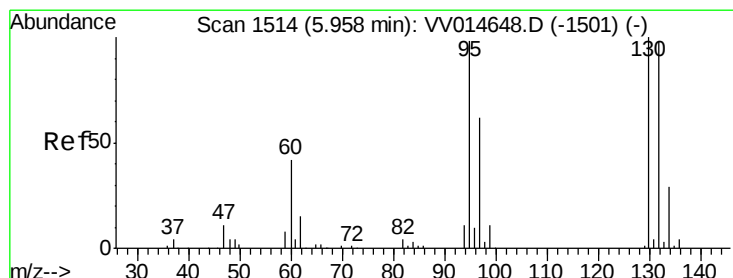
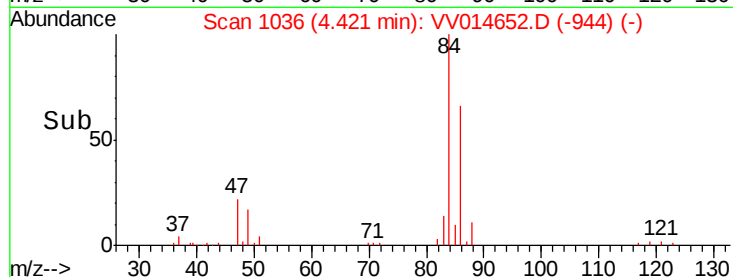
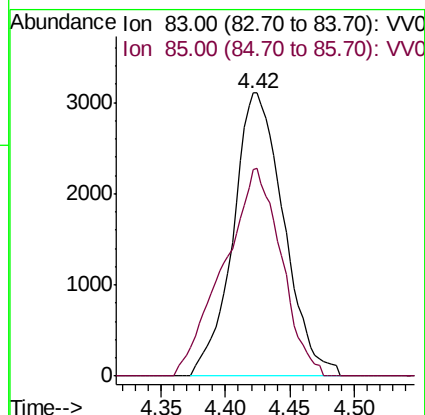
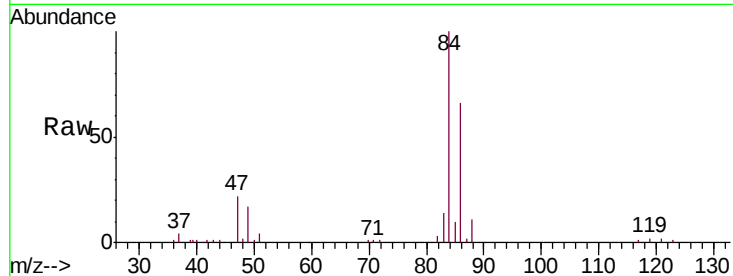
VBLK74

Tgt Ion: 83 Resp: 8506

Ion Ratio Lower Upper

83 100

85 73.2 46.1 85.7



#34

Trichloroethene

Concen: 1.038 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV014652.D

Acq: 21 Feb 2020 14:50

Tgt Ion: 95 Resp: 1774

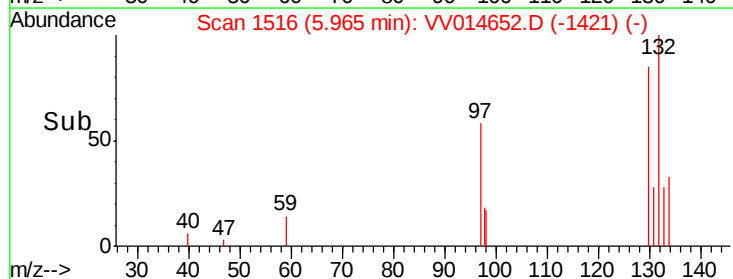
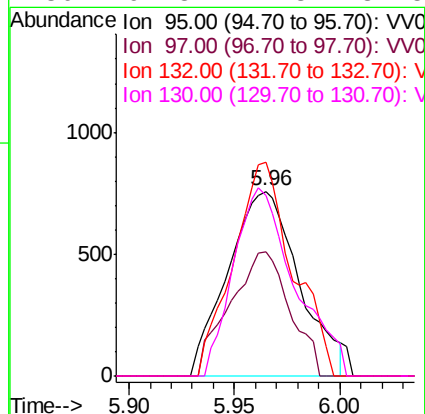
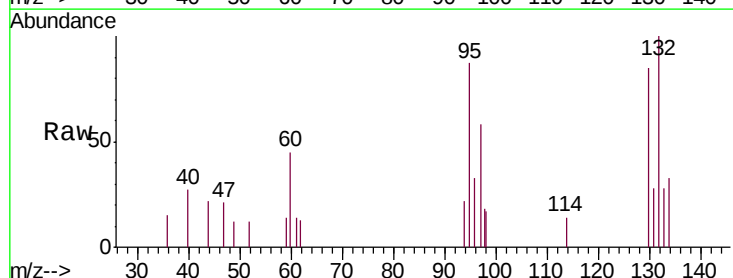
Ion Ratio Lower Upper

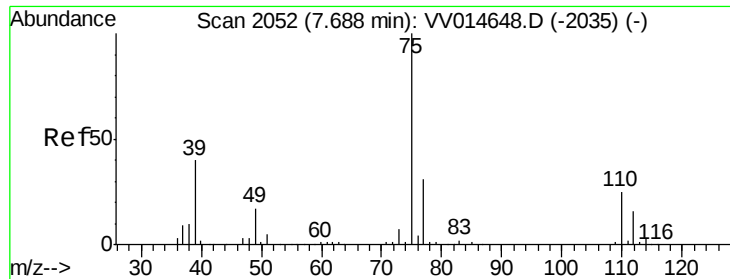
95 100

97 67.1 44.3 82.3

132 115.4 69.7 129.4

130 97.8 71.3 132.5





#44

trans-1,3-Dichloropropene

Concen: 1.105 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV014652.D

Acq: 21 Feb 2020 14:50

Instrument :

MSVOA\_V

ClientSampled :

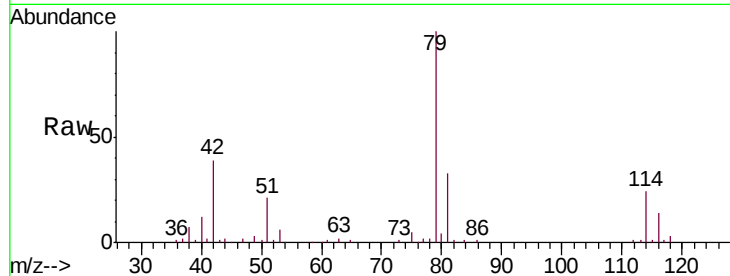
VBLK74

Tgt Ion: 75 Resp: 2570

Ion Ratio Lower Upper

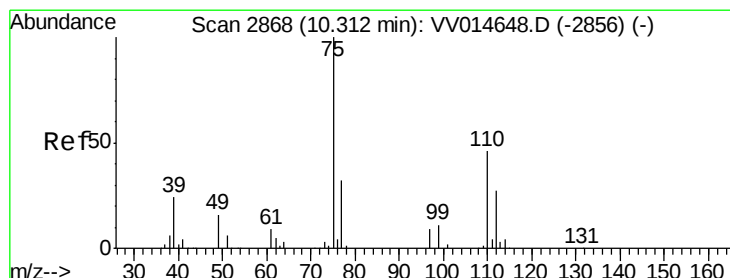
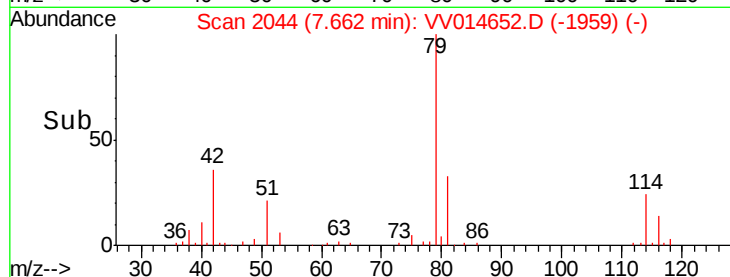
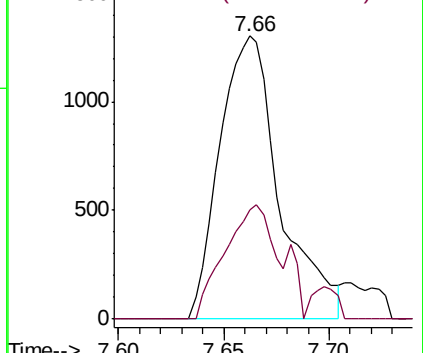
75 100

77 38.6 21.9 40.7



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: 6.284 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.98 min

Lab File: VV014652.D

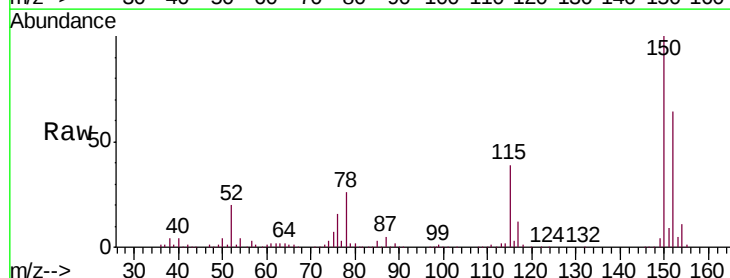
Acq: 21 Feb 2020 14:50

Tgt Ion: 75 Resp: 12204

Ion Ratio Lower Upper

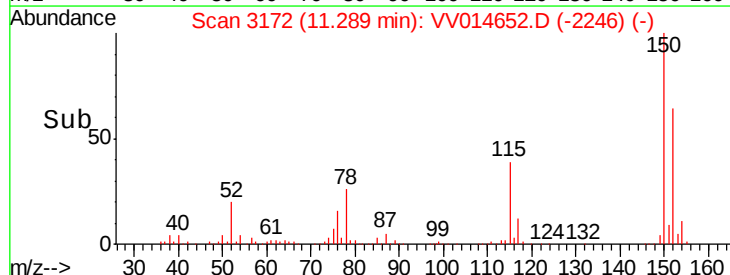
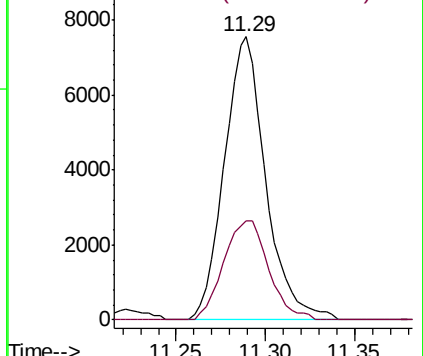
75 100

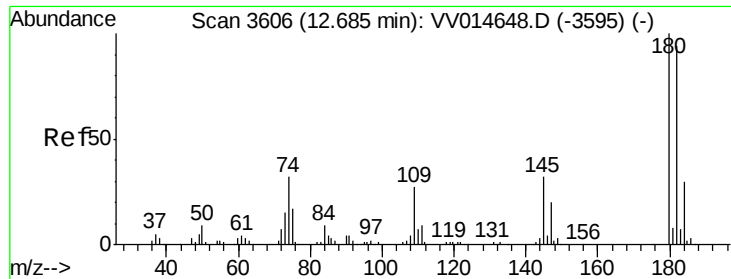
77 37.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#67  
 1,3,5-Trichlorobenzene  
 Concen: 0.500 ug/L  
 RT: 12.69 min Scan# 3609  
 Delta R.T. 0.01 min  
 Lab File: VV014652.D  
 Acq: 21 Feb 2020 14:50

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK74

Tgt Ion:180 Resp: 1150  
 Ion Ratio Lower Upper  
 180 100  
 182 84.2 75.9 113.9  
 184 27.9 23.8 35.8  
 145 16.9 25.5 38.3#

