

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022420\  
 Data File : VV014695.D  
 Acq On : 24 Feb 2020 13:10  
 Operator : SY/MD  
 Sample : L1607-20DL 5X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AQ6DL

Quant Time: Feb 25 06:39:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM022120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 25 06:37:27 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 203574   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 189060   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 91311    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 27942    | 35.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 70.28%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 23832    | 41.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 82.72%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 48324    | 32.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.22%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 70354    | 95.20    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.20%  |
| 24) Chloroform-d               | 4.40    | 84    | 118234   | 45.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.84%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 85222    | 51.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.42% |
| 32) Benzene-d6                 | 5.10    | 84    | 239272   | 47.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.64%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 69479    | 47.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.24%  |
| 41) Toluene-d8                 | 7.36    | 98    | 221302   | 45.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.84%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 38987    | 47.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.40%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 58774    | 100.50   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.50% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 103798   | 51.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.68% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 89848    | 50.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.58% |

## Target Compounds

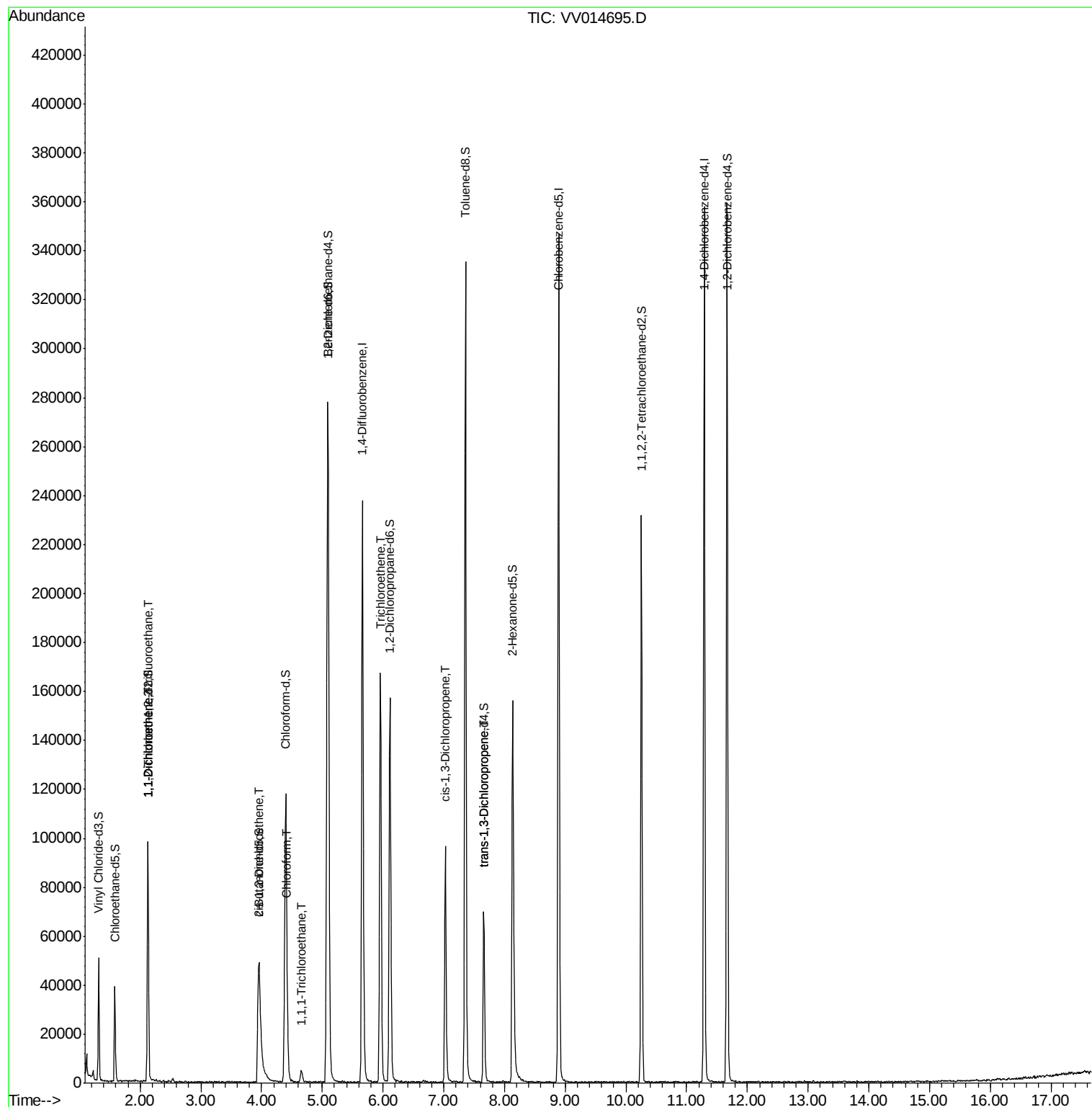
|                                |      |     |       |              | Ovalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 585   | 0.848 ug/L # | 17     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 493   | 0.794 ug/L # | 1      |
| 20) cis-1,2-Dichloroethene     | 3.96 | 96  | 8360  | 5.981 ug/L   | 99     |
| 25) Chloroform                 | 4.43 | 83  | 6598  | 2.615 ug/L   | 97     |
| 30) 1,1,1-Trichloroethane      | 4.65 | 97  | 3762  | 1.711 ug/L   | 93     |
| 34) Trichloroethene            | 5.96 | 95  | 57429 | 40.462 ug/L  | 98     |
| 39) cis-1,3-Dichloropropene    | 7.03 | 75  | 2743  | 1.288 ug/L # | 53     |
| 44) trans-1,3-Dichloropropene  | 7.66 | 75  | 1782  | 0.922 ug/L # | 77     |

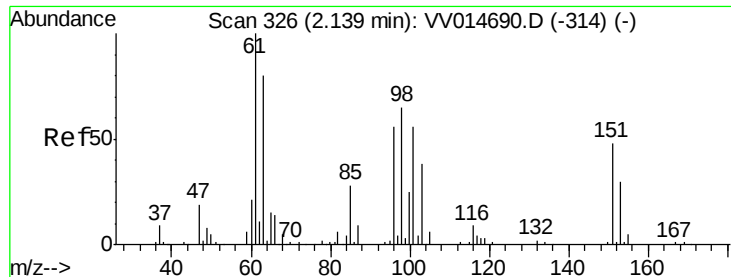
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV022420\  
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Sample : L1607-20DL 5X  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
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C0AQ6DL

Quant Time: Feb 25 06:39:52 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM022120WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Feb 25 06:37:27 2020  
Response via : Initial Calibration





#10

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

Concen: 0.848 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV014695.D

Acq: 24 Feb 2020 13:10

Instrument :

MSVOA\_V

ClientSampleId :

C0AQ6DL

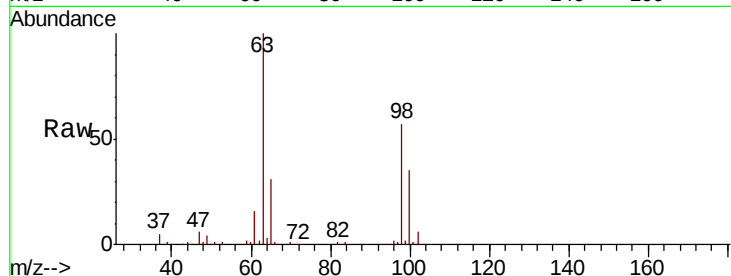
Tot Ion:101 Resp: 585

Ion Ratio Lower Upper

101 100

85 0.0 37.3 55.9#

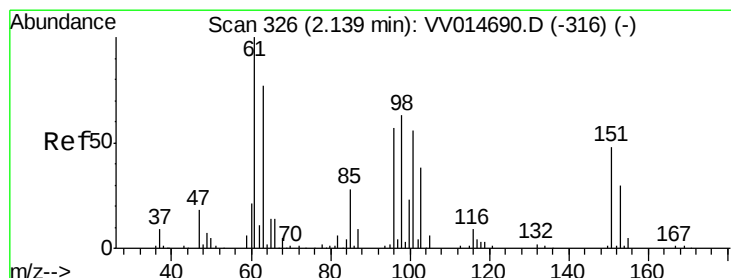
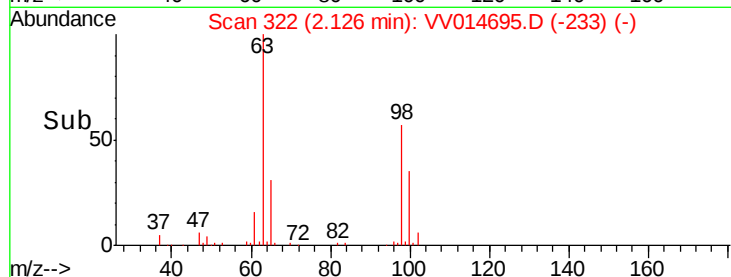
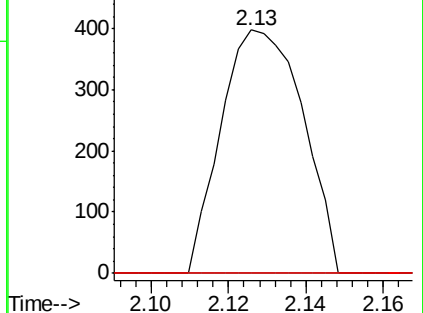
151 0.0 64.6 96.8#



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: 0.794 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014695.D

Acq: 24 Feb 2020 13:10

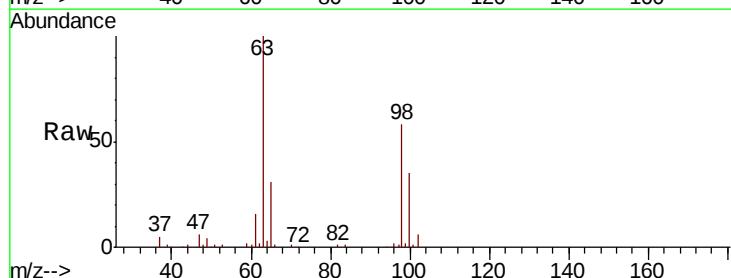
Tgt Ion: 96 Resp: 493

Ion Ratio Lower Upper

96 100

61 959.4 124.5 231.1#

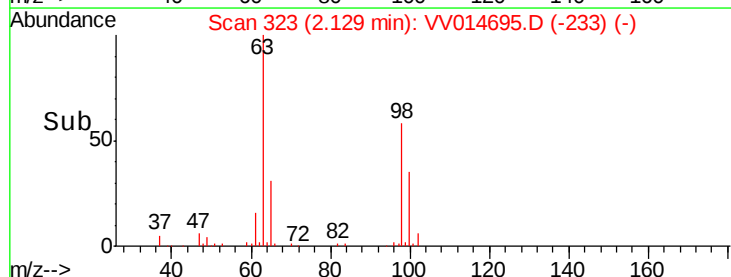
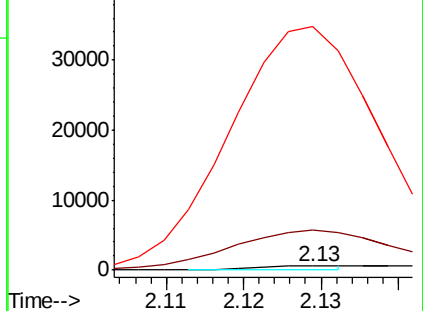
63 5907.0 98.1 182.1#

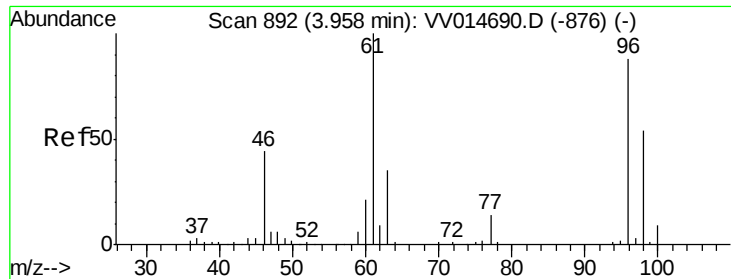


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

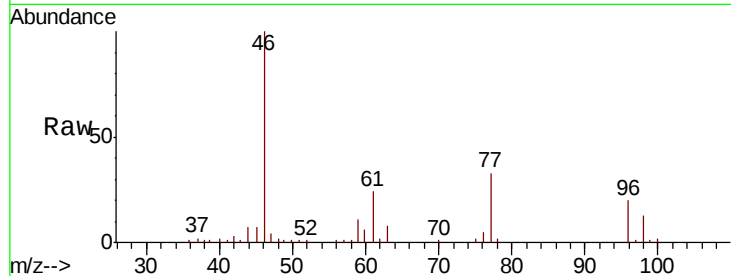




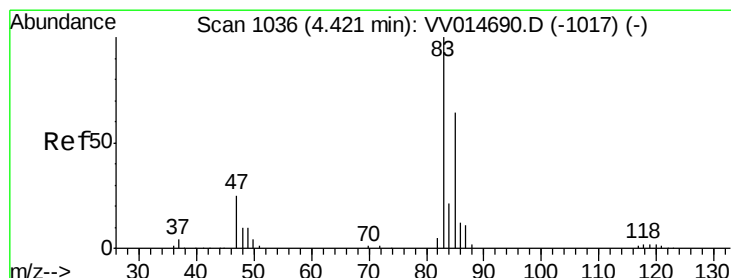
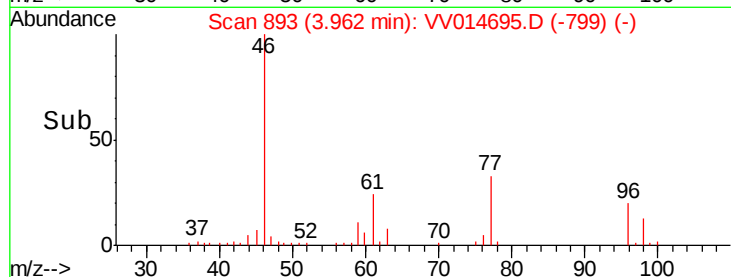
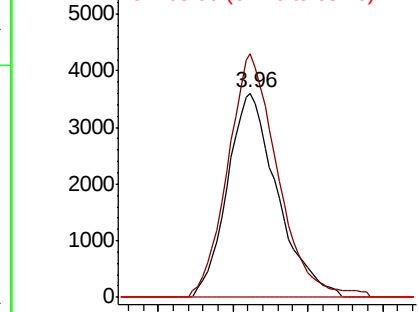
#20  
 cis-1,2-Dichloroethene  
 Concen: 5.981 ug/L  
 RT: 3.96 min Scan# 893  
 Delta R.T. 0.00 min  
 Lab File: VV014695.D  
 Acq: 24 Feb 2020 13:10

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AQ6DL

Tot Ion: 96 Resp: 8360  
 Ion Ratio Lower Upper  
 96 100  
 61 119.1 82.4 153.0  
 68 0.0 0.0 0.0

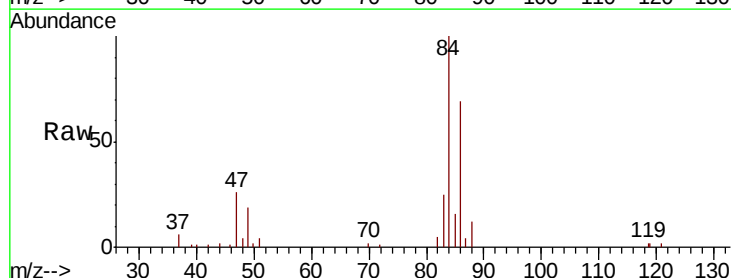


Abundance Ion 96.00 (95.70 to 96.70): VV0  
 Ion 61.00 (60.70 to 61.70): VV0  
 Ion 68.00 (67.70 to 68.70): VV0

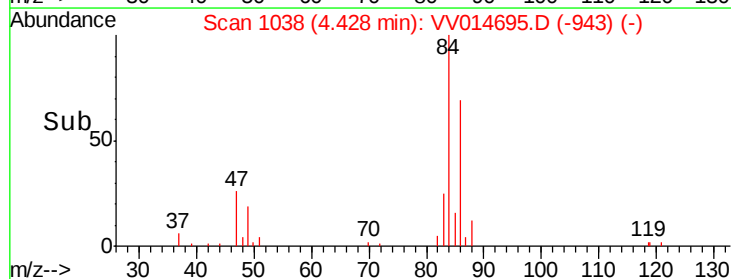
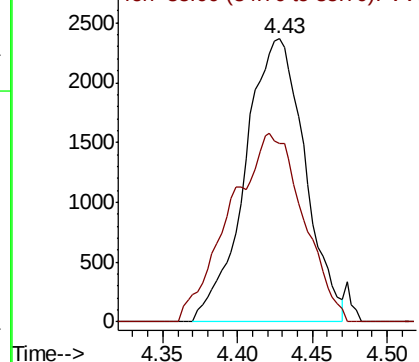


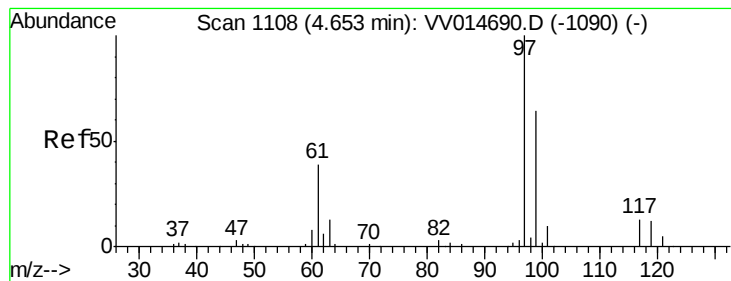
#25  
 Chloroform  
 Concen: 2.615 ug/L  
 RT: 4.43 min Scan# 1038  
 Delta R.T. 0.01 min  
 Lab File: VV014695.D  
 Acq: 24 Feb 2020 13:10

Tgt Ion: 83 Resp: 6598  
 Ion Ratio Lower Upper  
 83 100  
 85 63.2 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0  
 Ion 85.00 (84.70 to 85.70): VV0





#30

1,1,1-Trichloroethane

Concen: 1.711 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV014695.D

Acq: 24 Feb 2020 13:10

Instrument :

MSVOA\_V

ClientSampleId :

C0AQ6DL

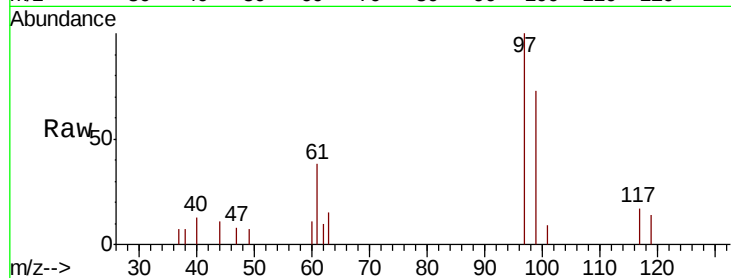
Tot Ion: 97 Resp: 3762

Ion Ratio Lower Upper

97 100

99 69.6 52.0 78.0

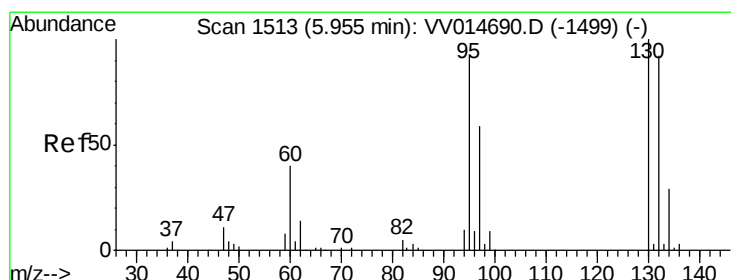
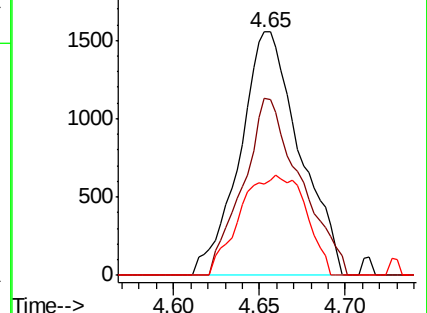
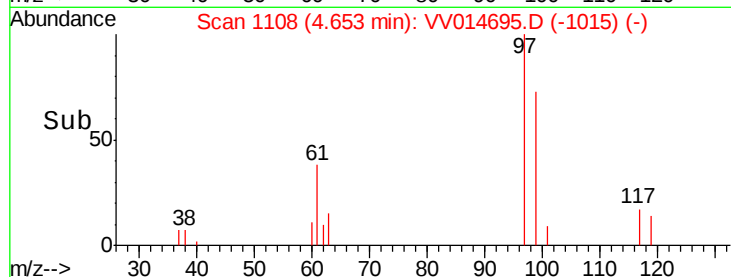
61 45.3 31.4 47.0



Abundance Ion 97.00 (96.70 to 97.70): VV014695.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV014695.D (-1090) (-)

Ion 61.05 (60.75 to 61.75): VV014695.D (-1090) (-)



#34

Trichloroethene

Concen: 40.462 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014695.D

Acq: 24 Feb 2020 13:10

Tgt Ion: 95 Resp: 57429

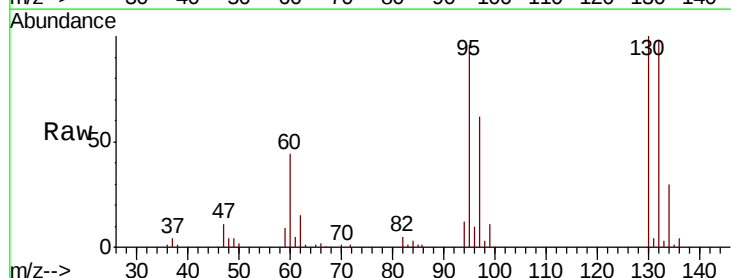
Ion Ratio Lower Upper

95 100

97 64.6 44.3 82.3

132 102.4 69.7 129.4

130 104.0 71.3 132.5

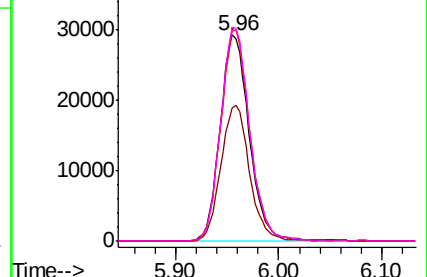
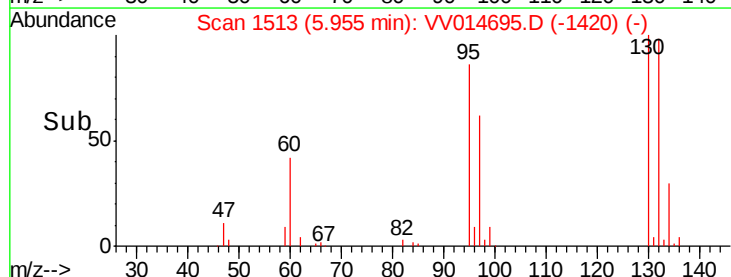


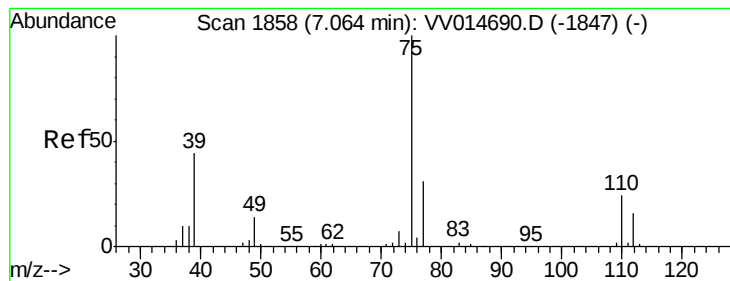
Abundance Ion 95.00 (94.70 to 95.70): VV014695.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV014695.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV014695.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV014695.D (-1499) (-)





#39

cis-1,3-Dichloropropene

Concen: 1.288 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV014695.D

Acq: 24 Feb 2020 13:10

Instrument :

MSVOA\_V

ClientSampleId :

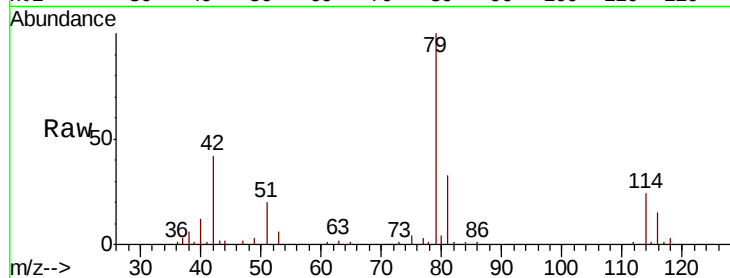
C0AQ6DL

Tot Ion: 75 Resp: 2743

Ion Ratio Lower Upper

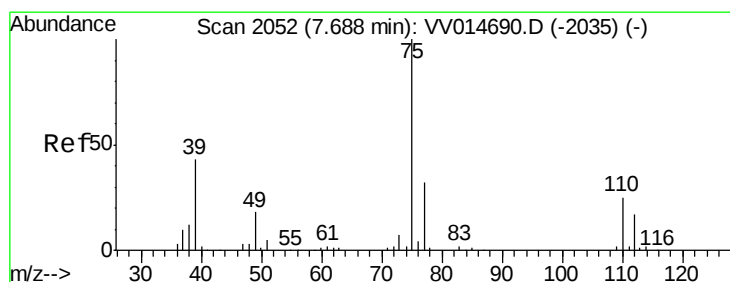
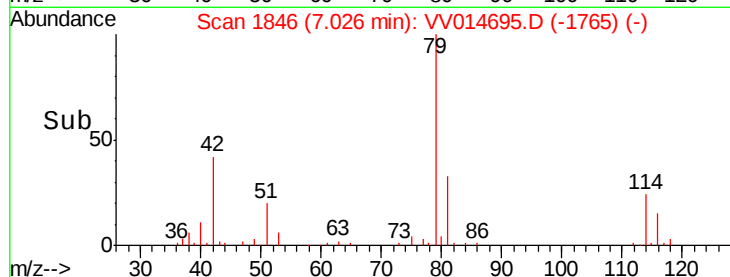
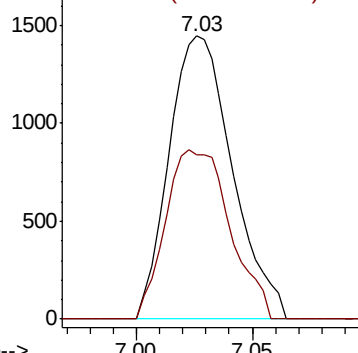
75 100

77 58.2 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.922 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV014695.D

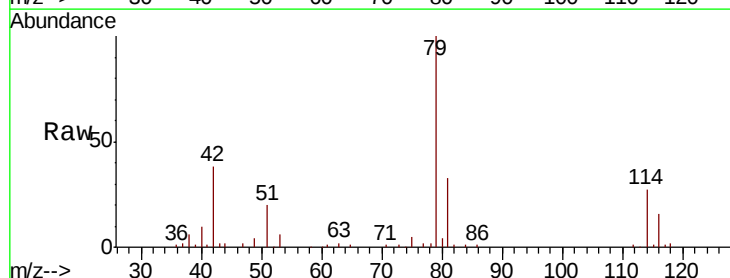
Acq: 24 Feb 2020 13:10

Tgt Ion: 75 Resp: 1782

Ion Ratio Lower Upper

75 100

77 44.2 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

