

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV092318\  
 Data File : VV007797.D  
 Acq On : 23 Sep 2018 18:52  
 Operator : SY/MD  
 Sample : J5010-08  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 75 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0T14

Quant Time: Sep 24 07:23:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092318WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Sep 24 07:19:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 160461   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 152484   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 80499    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 37769    | 43.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.62% |
| 7) Chloroethane-d5             | 1.59    | 69    | 38870    | 49.05    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.10% |
| 11) 1,1-Dichloroethene-d2      | 2.14    | 63    | 74637    | 36.30    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.60% |
| 21) 2-Butanone-d5              | 3.95    | 46    | 54365    | 94.39    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.39% |
| 24) Chloroform-d               | 4.41    | 84    | 86865    | 46.52    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.04% |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 58154    | 48.83    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.66% |
| 32) Benzene-d6                 | 5.11    | 84    | 174102   | 49.67    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.34% |
| 36) 1,2-Dichloropropane-d6     | 6.13    | 67    | 51471    | 49.73    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.46% |
| 41) Toluene-d8                 | 7.36    | 98    | 174524   | 47.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.30% |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 22242    | 42.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.24% |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 40029    | 87.82    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 87.82% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 75781    | 46.90    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 80331    | 48.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.02% |

## Target Compounds

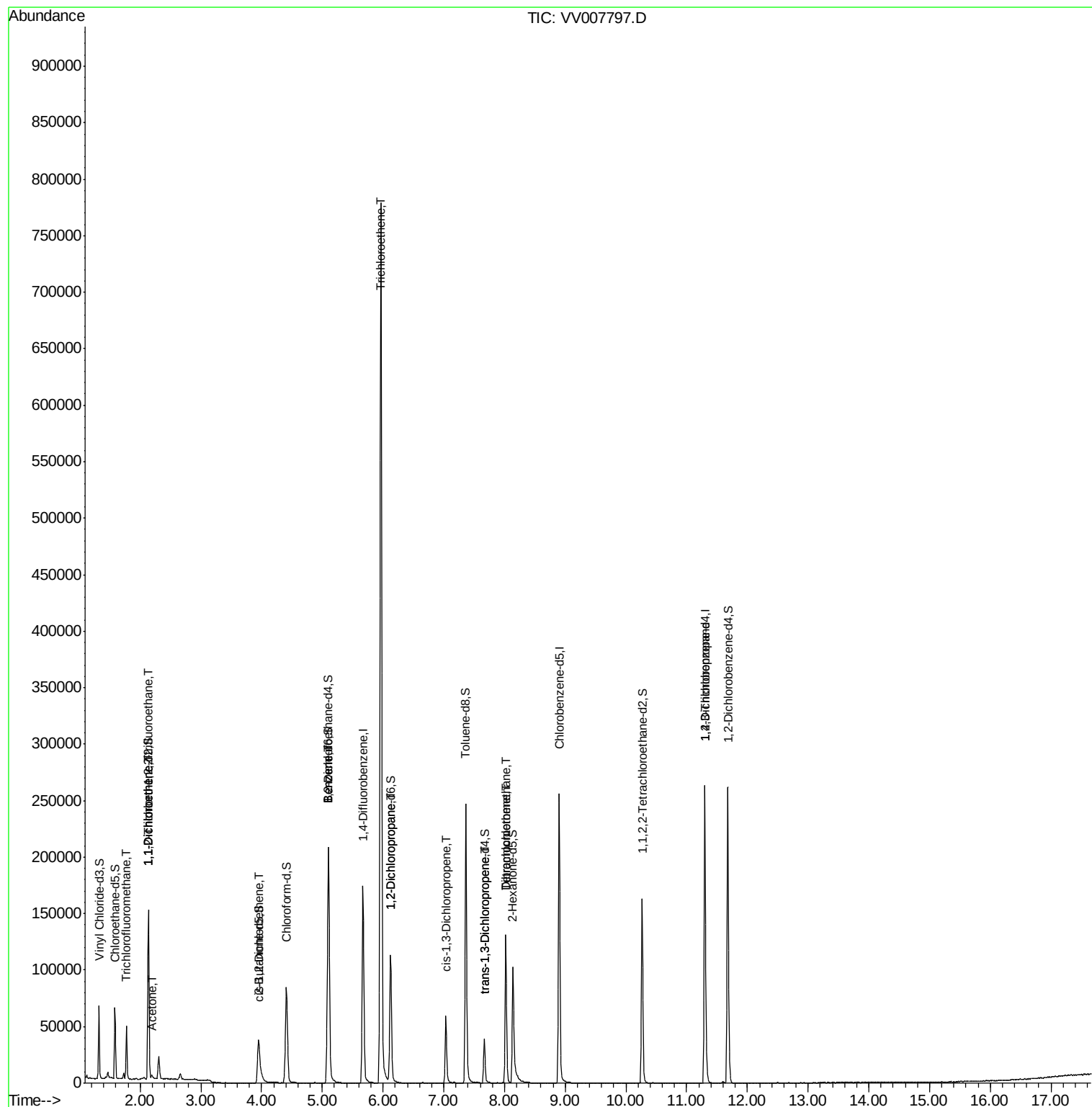
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 9) Trichlorofluoromethane      | 1.78  | 101  | 26141    | 12.221  | ug/L   | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14  | 101  | 709      | 0.584   | ug/L # | 14     |
| 12) 1,1-Dichloroethene         | 2.14  | 96   | 781      | 0.734   | ug/L # | 1      |
| 13) Acetone                    | 2.19  | 43   | 1272     | 2.093   | ug/L   | 89     |
| 20) cis-1,2-Dichloroethene     | 3.97  | 96   | 3661     | 3.400   | ug/L   | 97     |
| 33) Benzene                    | 5.11  | 78   | 1494     | 0.409   | ug/L   | 100    |
| 34) Trichloroethene            | 5.96  | 95   | 255205   | 236.255 | ug/L   | 98     |
| 37) 1,2-Dichloropropane        | 6.12  | 63   | 6412     | 6.973   | ug/L # | 86     |
| 39) cis-1,3-Dichloropropene    | 7.04  | 75   | 1476     | 0.998   | ug/L # | 71     |
| 44) trans-1,3-Dichloropropene  | 7.67  | 75   | 1029     | 0.733   | ug/L   | 85     |
| 46) Tetrachloroethene          | 8.02  | 164  | 30947    | 27.992  | ug/L   | 98     |
| 49) Dibromochloromethane       | 8.02  | 129  | 25917    | 22.103  | ug/L # | 11     |
| 59) 1,2,3-Trichloropropane     | 11.30 | 75   | 8173     | 6.285   | ug/L # | 88     |

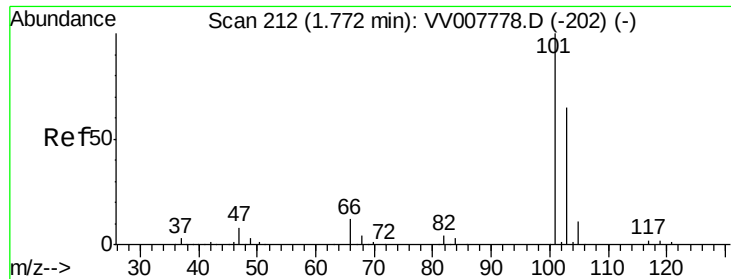
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV092318\  
Data File : VV007797.D  
Acq On : 23 Sep 2018 18:52  
Operator : SY/MD  
Sample : J5010-08  
Misc : 5.0 mL/MSVOA\_V/WATER  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0T14

Quant Time: Sep 24 07:23:10 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092318WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Sep 24 07:19:48 2018  
Response via : Initial Calibration



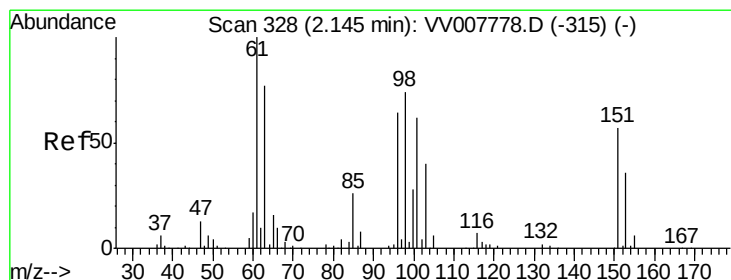
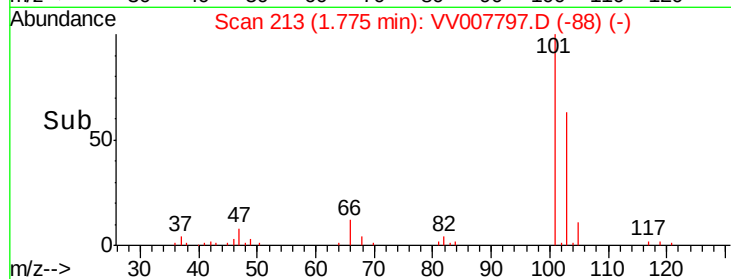
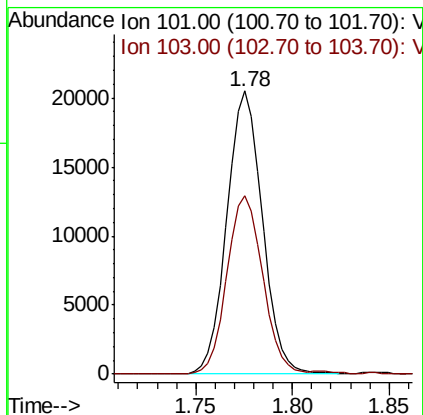
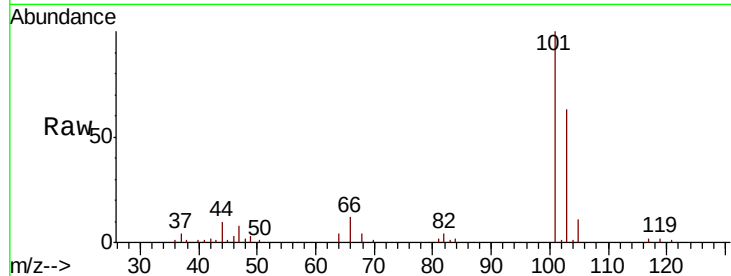


#9

Trichlorofluoromethane  
 Concen: 12.221 ug/L  
 RT: 1.78 min Scan# 213  
 Delta R.T. 0.00 min  
 Lab File: VV007797.D  
 Acq: 23 Sep 2018 18:52

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COT14

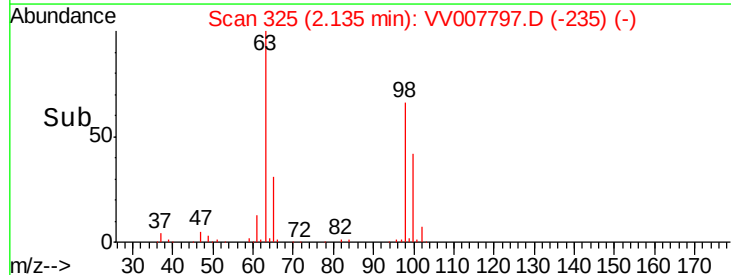
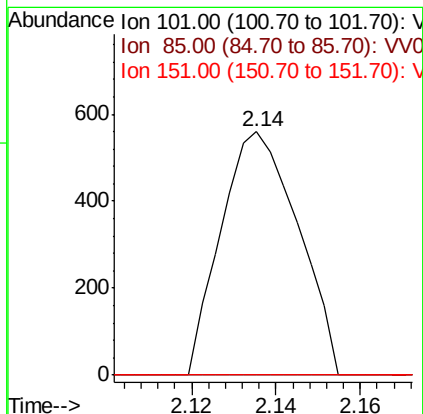
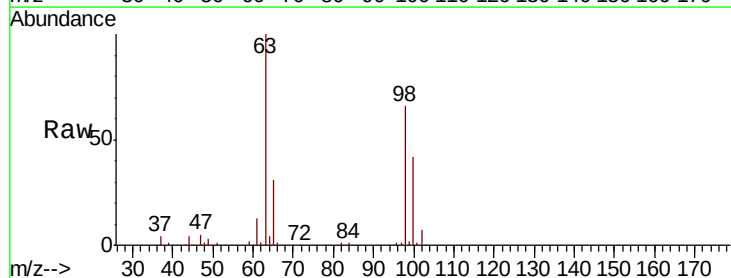
Tgt Ion:101 Resp: 26141  
 Ion Ratio Lower Upper  
 101 100  
 103 63.5 51.4 77.2

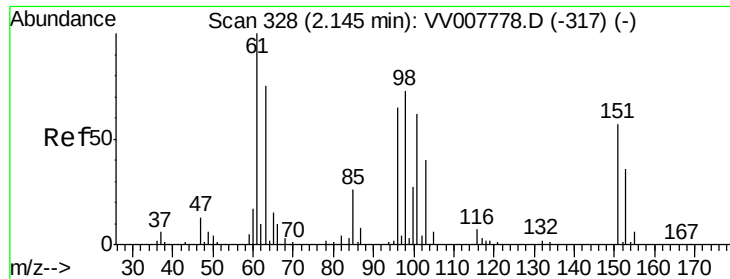


#10

1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.584 ug/L  
 RT: 2.14 min Scan# 325  
 Delta R.T. -0.01 min  
 Lab File: VV007797.D  
 Acq: 23 Sep 2018 18:52

Tgt Ion:101 Resp: 709  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 32.7 49.1#  
 151 0.0 72.2 108.2#

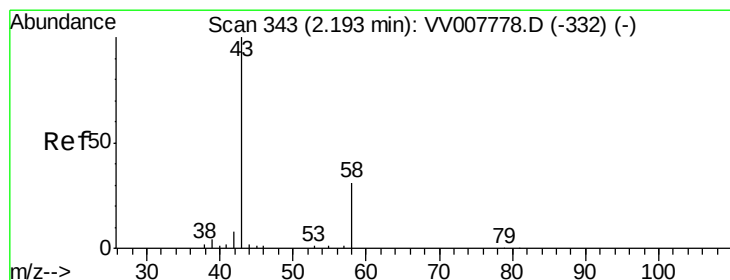
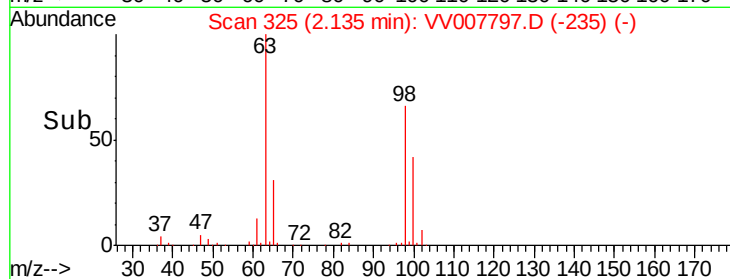
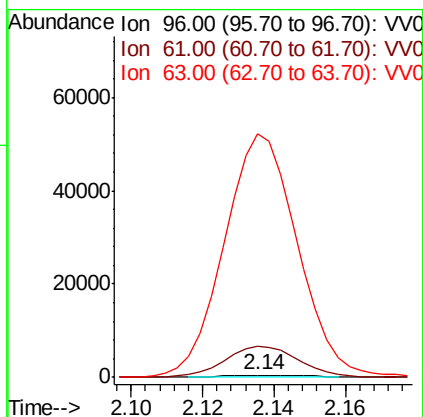
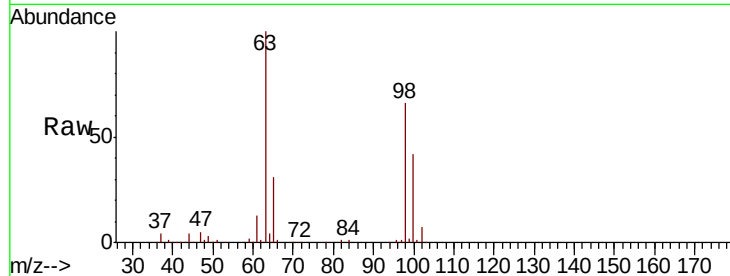




#12  
 1,1-Dichloroethene  
 Concen: 0.734 ug/L  
 RT: 2.14 min Scan# 325  
 Delta R.T. -0.01 min  
 Lab File: VV007797.D  
 Acq: 23 Sep 2018 18:52

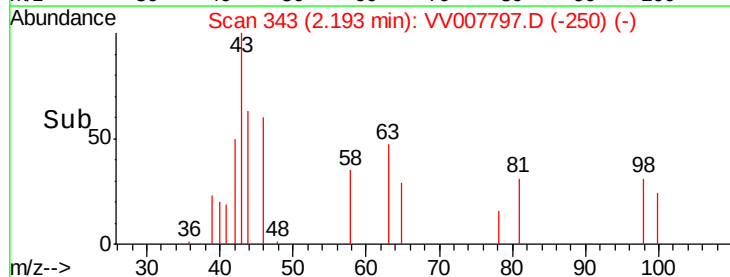
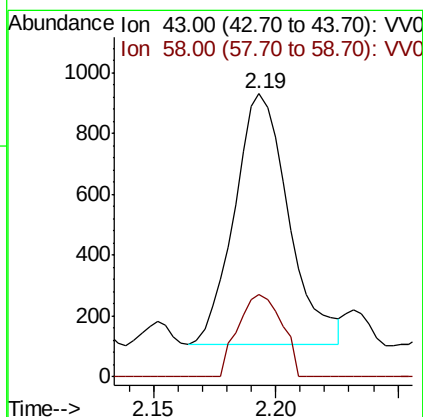
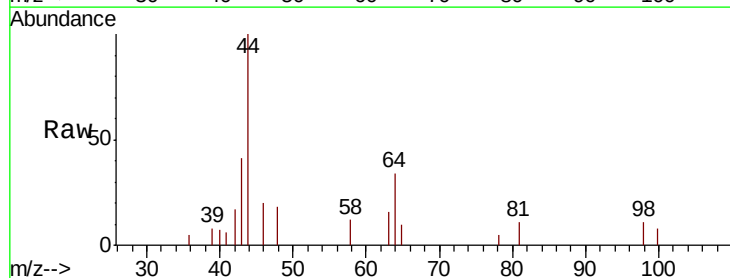
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0T14

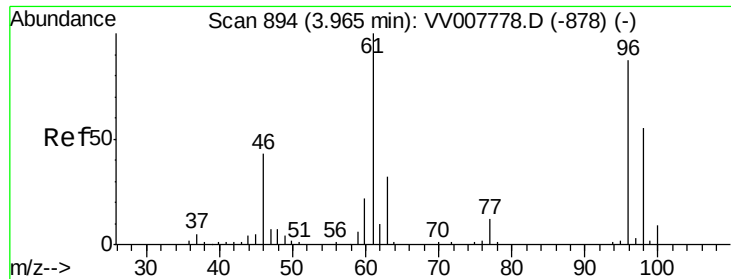
Tgt Ion: 96 Resp: 781  
 Ion Ratio Lower Upper  
 96 100  
 61 1326.5 107.3 199.3#  
 63 10570.0 78.8 146.4#



#13  
 Acetone  
 Concen: 2.093 ug/L  
 RT: 2.19 min Scan# 343  
 Delta R.T. 0.00 min  
 Lab File: VV007797.D  
 Acq: 23 Sep 2018 18:52

Tgt Ion: 43 Resp: 1272  
 Ion Ratio Lower Upper  
 43 100  
 58 26.6 0.0 65.2

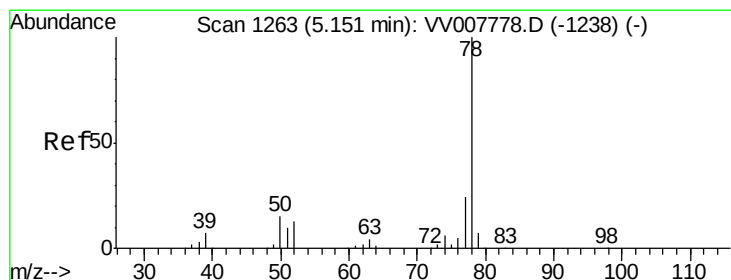
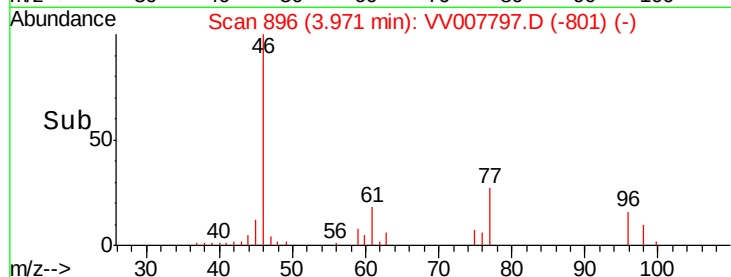
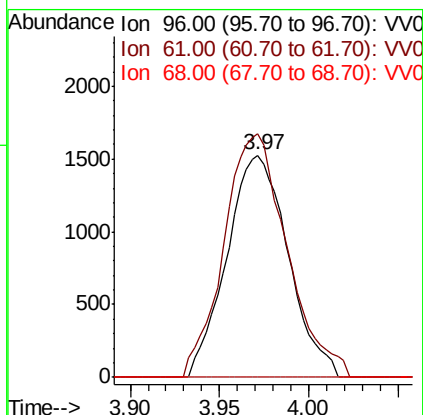
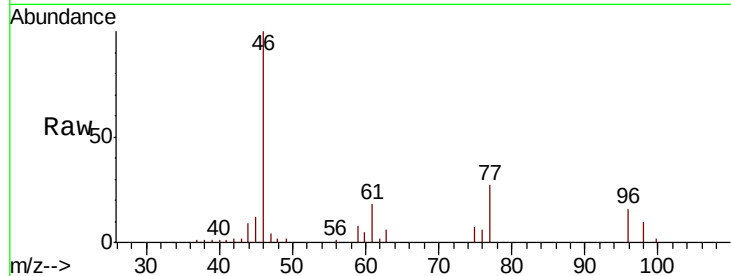




#20  
 cis-1,2-Dichloroethene  
 Concen: 3.400 ug/L  
 RT: 3.97 min Scan# 896  
 Delta R.T. 0.01 min  
 Lab File: VV007797.D  
 Acq: 23 Sep 2018 18:52

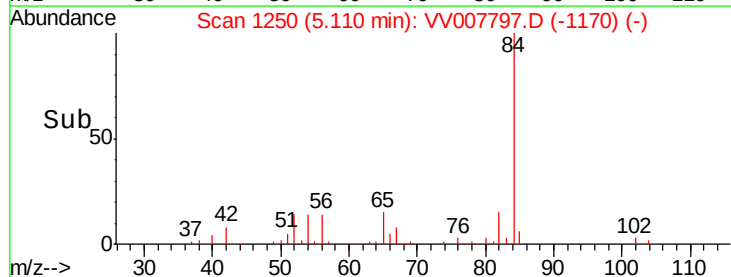
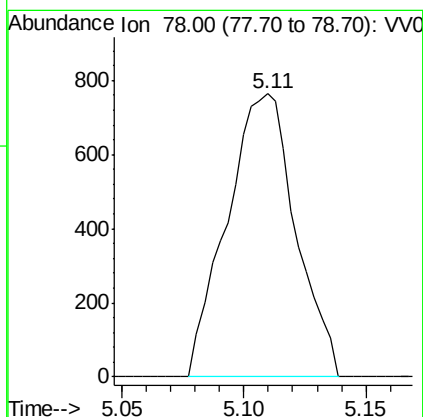
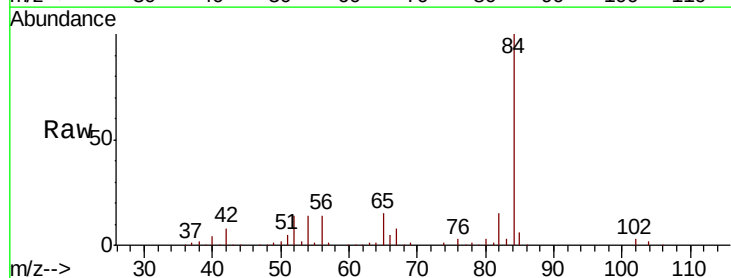
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0T14

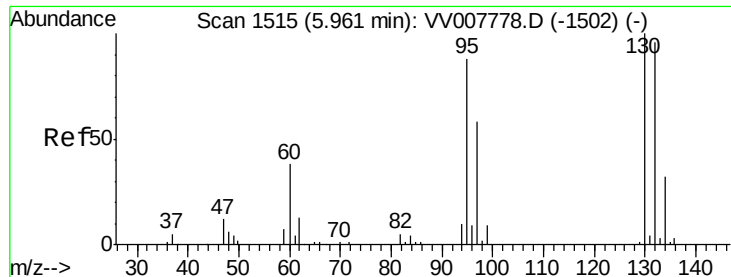
Tgt Ion: 96 Resp: 3661  
 Ion Ratio Lower Upper  
 96 100  
 61 109.5 78.8 146.3  
 68 0.0 0.0 0.0



#33  
 Benzene  
 Concen: 0.409 ug/L  
 RT: 5.11 min Scan# 1250  
 Delta R.T. -0.04 min  
 Lab File: VV007797.D  
 Acq: 23 Sep 2018 18:52

Tgt Ion: 78 Resp: 1494





#34

Trichloroethene

Concen: 236.255 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007797.D

Acq: 23 Sep 2018 18:52

Instrument :

MSVOA\_V

ClientSampleId :

C0T14

Tgt Ion: 95 Resp: 255205

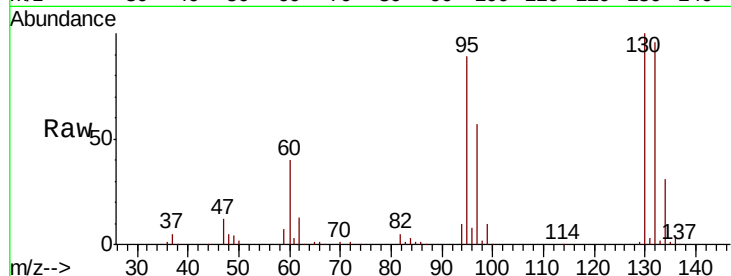
Ion Ratio Lower Upper

95 100

97 64.5 45.2 84.0

132 108.2 77.7 144.3

130 112.5 79.7 148.1

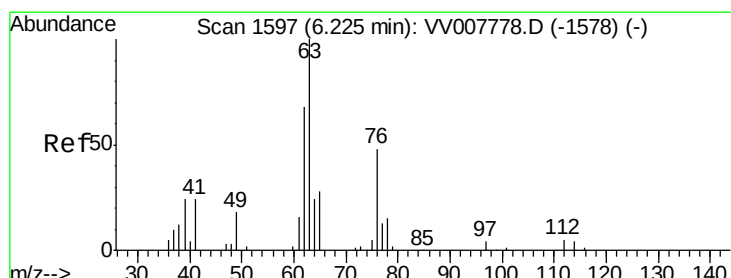
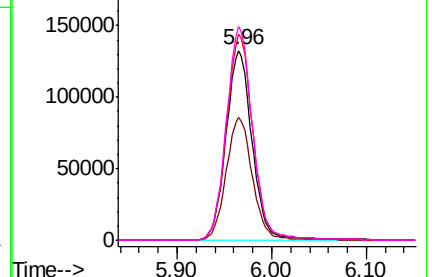
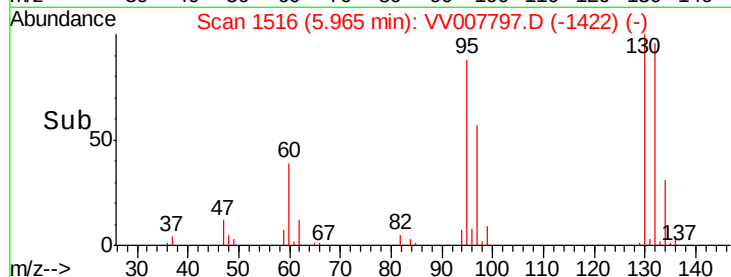


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 6.973 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV007797.D

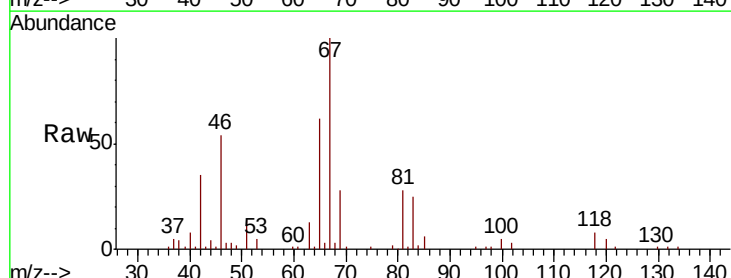
Acq: 23 Sep 2018 18:52

Tgt Ion: 63 Resp: 6412

Ion Ratio Lower Upper

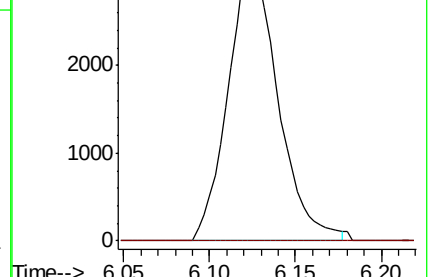
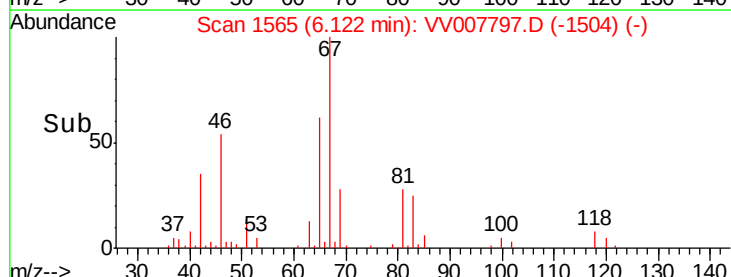
63 100

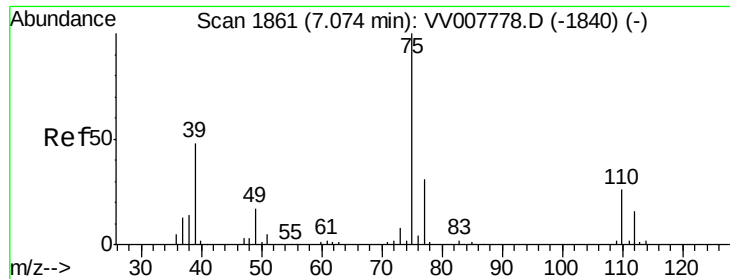
112 0.0 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

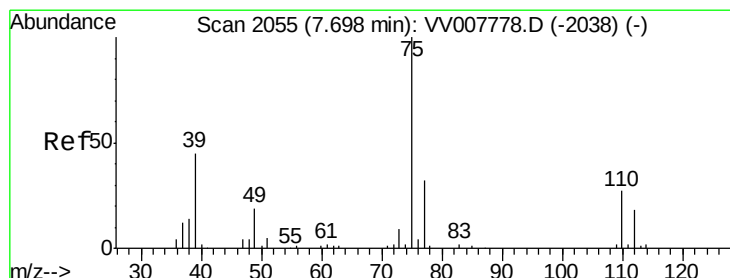
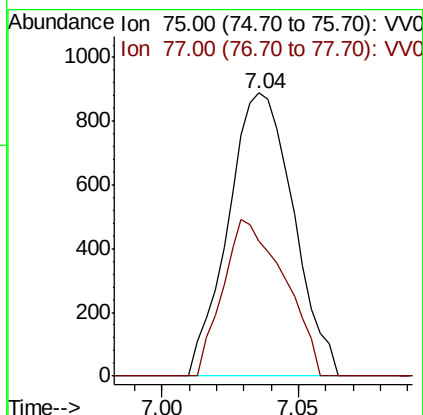
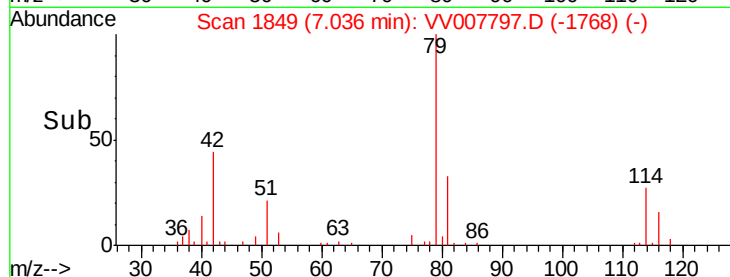
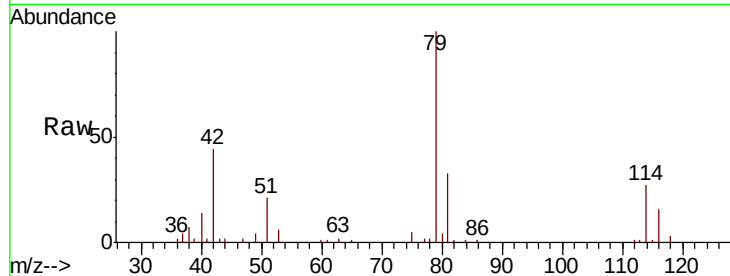




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.998 ug/L  
 RT: 7.04 min Scan# 1849  
 Delta R.T. -0.04 min  
 Lab File: VV007797.D  
 Acq: 23 Sep 2018 18:52

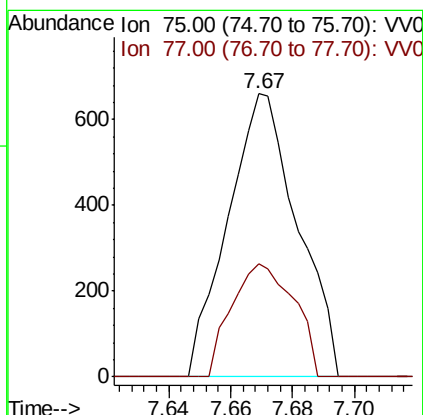
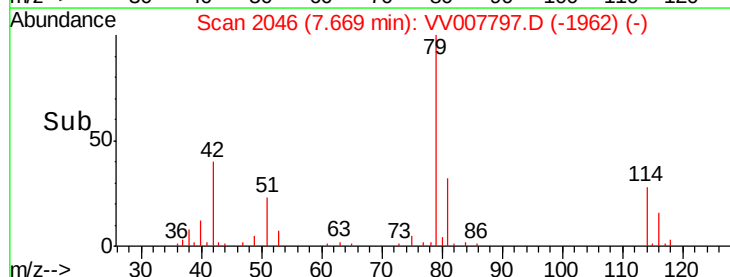
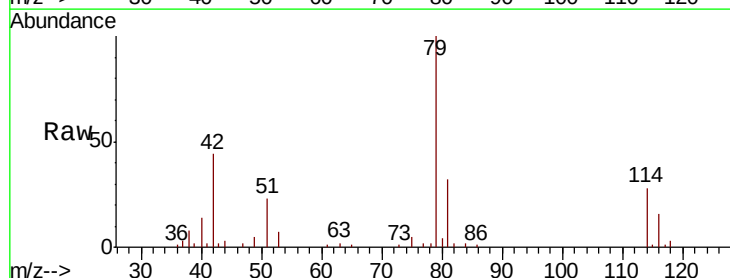
Instrument :  
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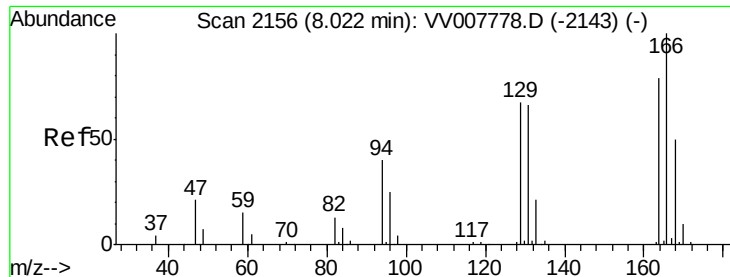
Tgt Ion: 75 Resp: 1476  
 Ion Ratio Lower Upper  
 75 100  
 77 47.5 22.0 40.8#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.733 ug/L  
 RT: 7.67 min Scan# 2046  
 Delta R.T. -0.03 min  
 Lab File: VV007797.D  
 Acq: 23 Sep 2018 18:52

Tgt Ion: 75 Resp: 1029  
 Ion Ratio Lower Upper  
 75 100  
 77 39.8 22.0 40.8





#46

Tetrachloroethene

Concen: 27.992 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007797.D

Acq: 23 Sep 2018 18:52

Instrument :

MSVOA\_V

ClientSampleId :

COT14

Tgt Ion:164 Resp: 30947

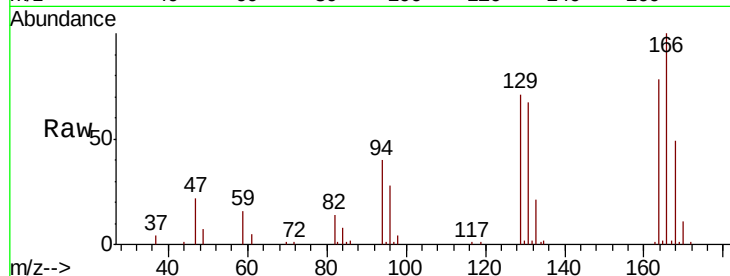
Ion Ratio Lower Upper

164 100

129 91.1 61.0 113.4

131 85.8 57.8 107.4

166 127.9 89.9 167.0

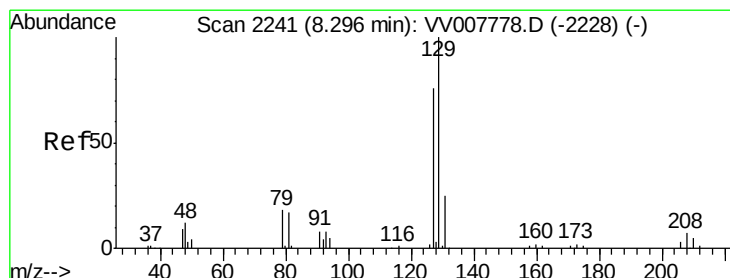
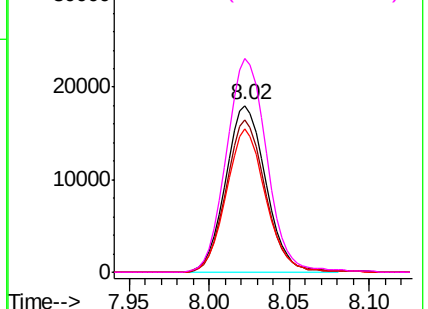
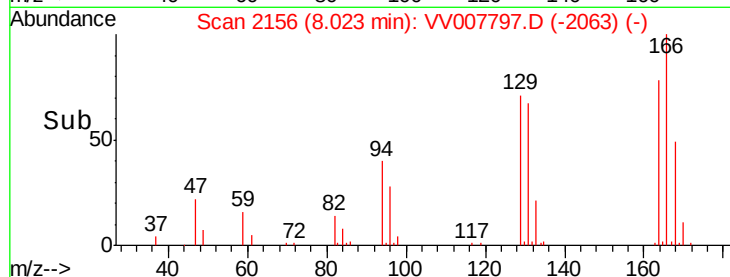


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 22.103 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV007797.D

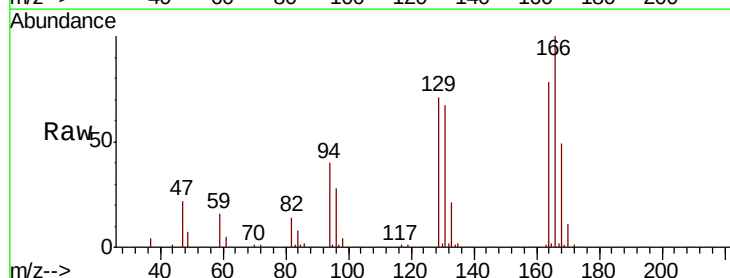
Acq: 23 Sep 2018 18:52

Tgt Ion:129 Resp: 25917

Ion Ratio Lower Upper

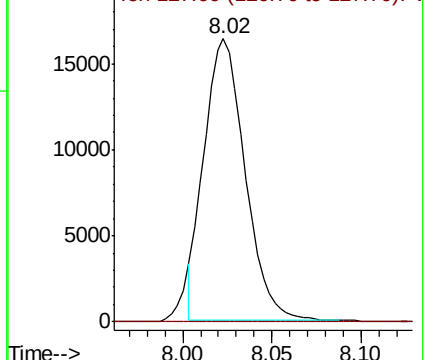
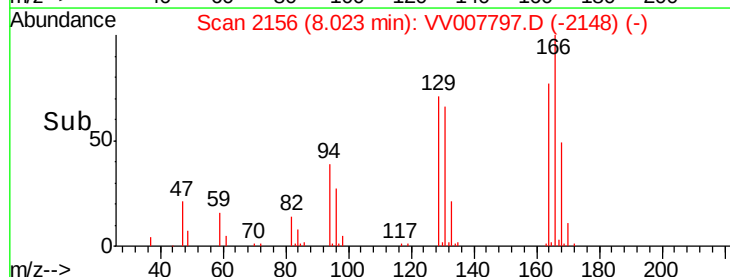
129 100

127 0.0 54.0 100.2#

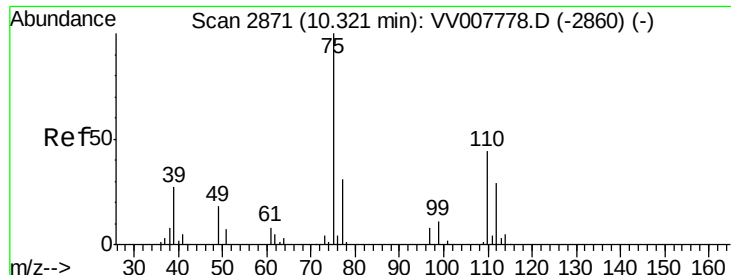


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V







#59  
 1,2,3-Trichloropropane  
 Concen: 6.285 ug/L  
 RT: 11.30 min Scan# 3175  
 Delta R.T. 0.98 min  
 Lab File: VV007797.D  
 Acq: 23 Sep 2018 18:52

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0T14

Tgt Ion: 75 Resp: 8173  
 Ion Ratio Lower Upper  
 75 100  
 77 38.4 25.6 38.4#

