

Data File : VV009697.D  
Acq On : 15 Mar 2019 19:54  
Operator : SY/MD  
Sample : K1939-14  
Misc : 5.87g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF0T7

Quant Time: Mar 16 02:37:33 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 16 02:32:06 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 168327   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 168214   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 73263    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 36117    | 36.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 72.50%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 23312    | 22.48    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 44.96%# |
| 11) 1,1-Dichloroethene-d2      | 2.09    | 63    | 85003    | 32.34    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.68%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 69527    | 94.44    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.44%  |
| 24) Chloroform-d               | 4.40    | 84    | 92878    | 42.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.36%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 65473    | 45.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.94%  |
| 32) Benzene-d6                 | 5.09    | 84    | 188620   | 43.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.24%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 60365    | 46.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.30%  |
| 41) Toluene-d8                 | 7.36    | 98    | 179276   | 42.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.14%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 26865    | 39.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.54%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 56620    | 98.98    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.98%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 95409    | 45.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.82%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 68736    | 44.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.94%  |

#### Target Compounds

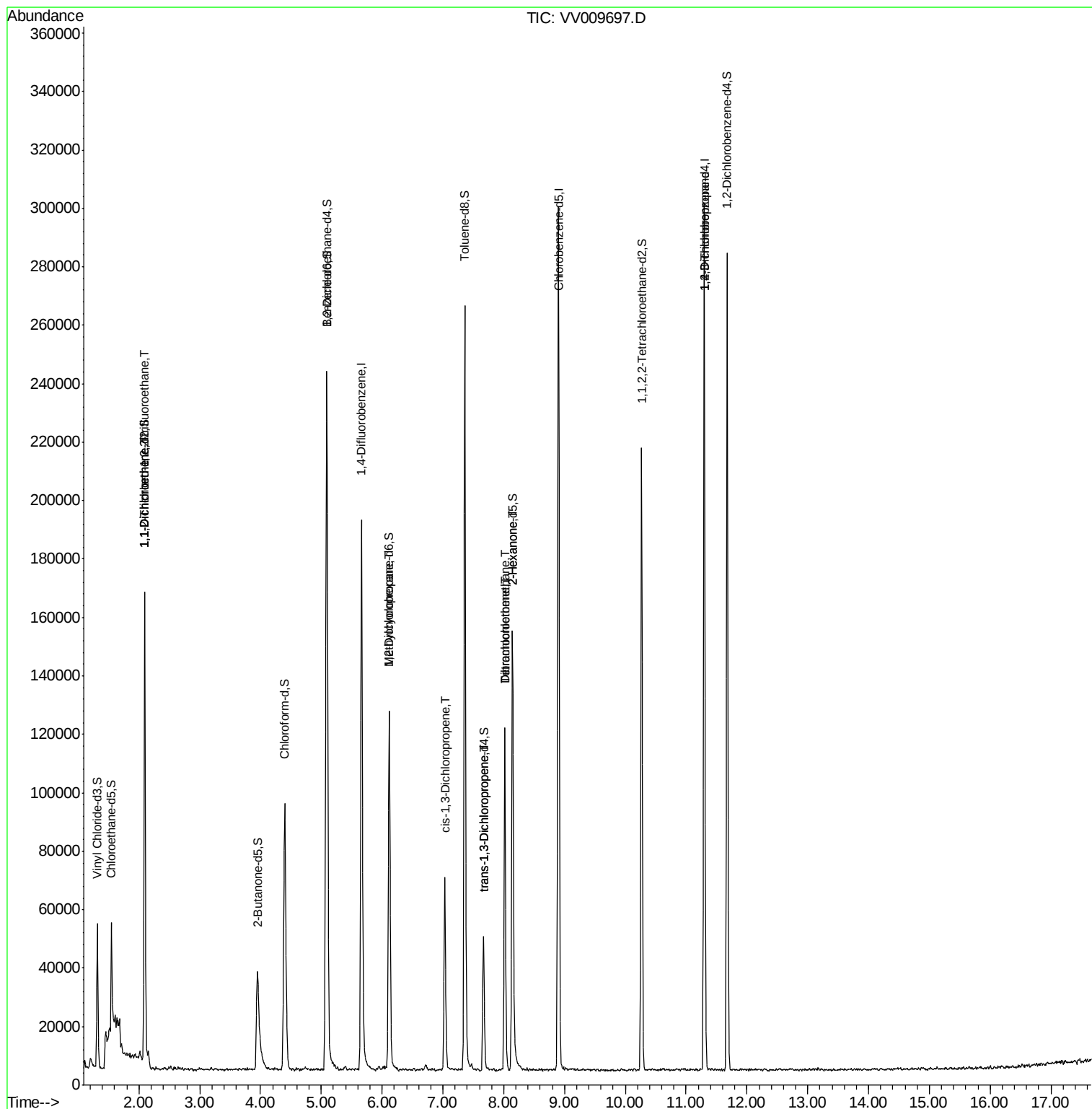
|                                |       |     |       |        |        | Qvalue |
|--------------------------------|-------|-----|-------|--------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.09  | 101 | 752   | 0.590  | ug/L # | 19     |
| 12) 1,1-Dichloroethene         | 2.09  | 96  | 794   | 0.728  | ug/L # | 1      |
| 35) Methylcyclohexane          | 6.12  | 83  | 14040 | 7.702  | ug/L # | 20     |
| 39) cis-1,3-Dichloropropene    | 7.03  | 75  | 2160  | 1.259  | ug/L # | 62     |
| 44) trans-1,3-Dichloropropene  | 7.67  | 75  | 1536  | 0.954  | ug/L   | 86     |
| 46) Tetrachloroethene          | 8.02  | 164 | 24029 | 27.125 | ug/L   | 96     |
| 48) 2-Hexanone                 | 8.14  | 43  | 6612  | 5.737  | ug/L # | 63     |
| 49) Dibromochloromethane       | 8.02  | 129 | 22745 | 18.413 | ug/L # | 11     |
| 59) 1,2,3-Trichloropropane     | 11.30 | 75  | 10321 | 7.074  | ug/L   | 92     |

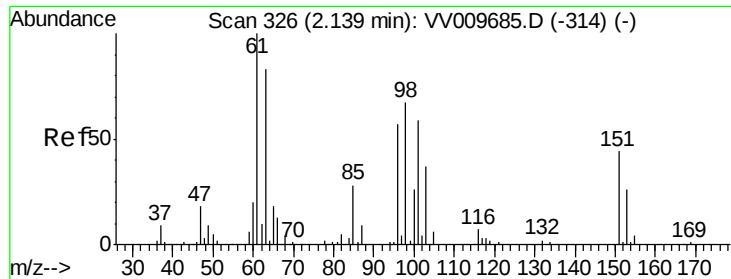
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Mar 16 02:32:06 2019  
Response via : Initial Calibration





#10

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

Concen: 0.590 ug/L

RT: 2.09 min Scan# 312

Delta R.T. -0.05 min

Lab File: VV009697.D

Acq: 15 Mar 2019 19:54

Instrument :

MSVOA\_V

ClientSampleId :

BF0T7

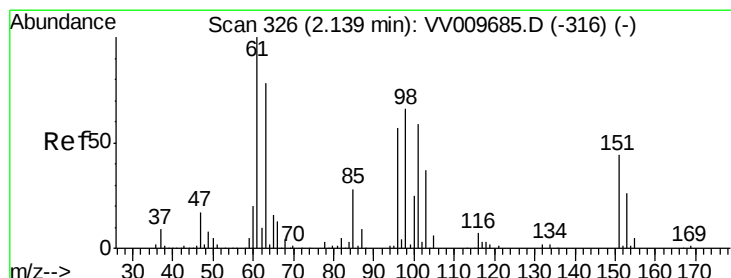
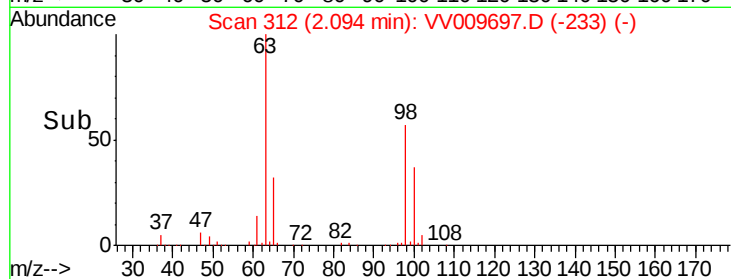
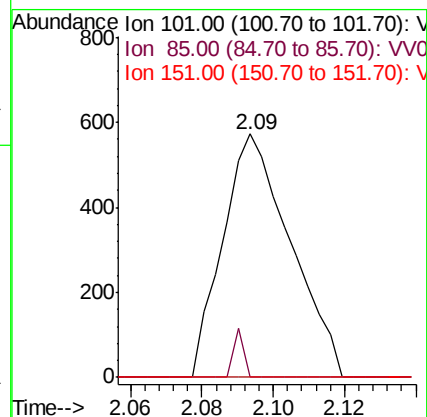
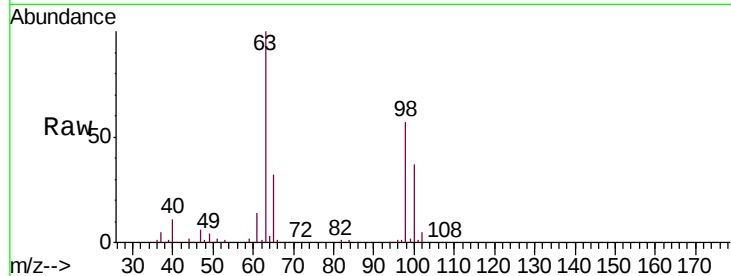
Tgt Ion:101 Resp: 752

Ion Ratio Lower Upper

101 100

85 0.0 37.8 56.6#

151 0.0 59.6 89.4#



#12

1,1-Dichloroethene

Concen: 0.728 ug/L

RT: 2.09 min Scan# 312

Delta R.T. -0.05 min

Lab File: VV009697.D

Acq: 15 Mar 2019 19:54

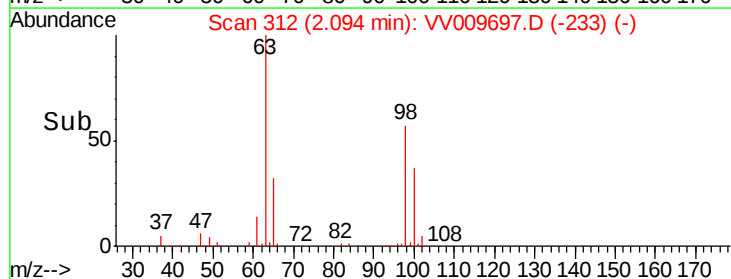
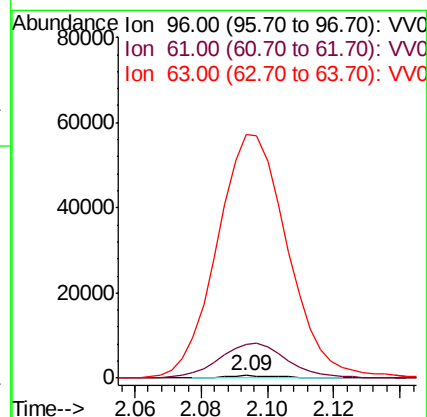
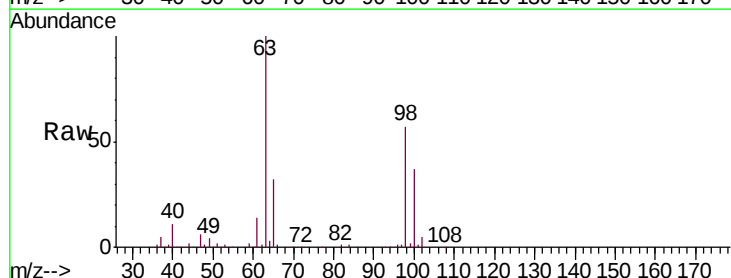
Tgt Ion: 96 Resp: 794

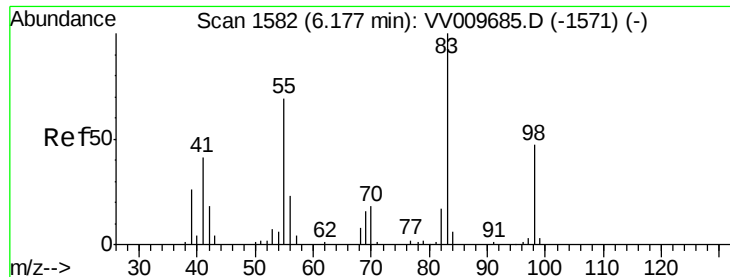
Ion Ratio Lower Upper

96 100

61 1436.2 122.1 226.7#

63 10304.9 107.6 199.8#

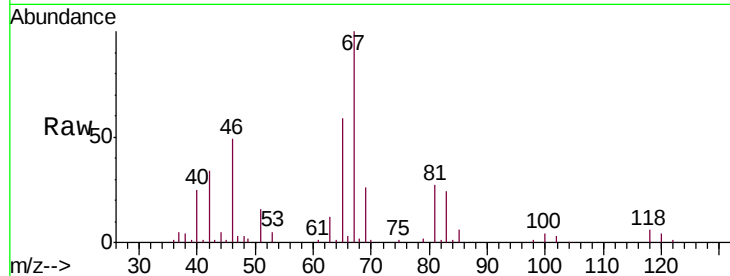




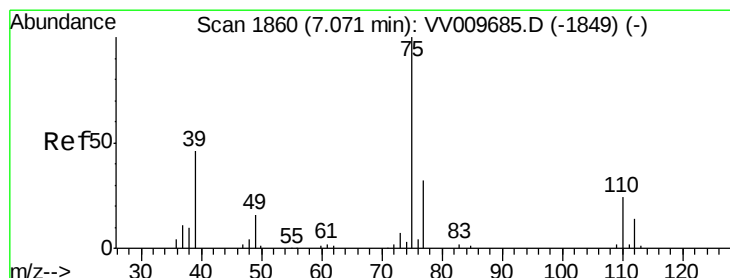
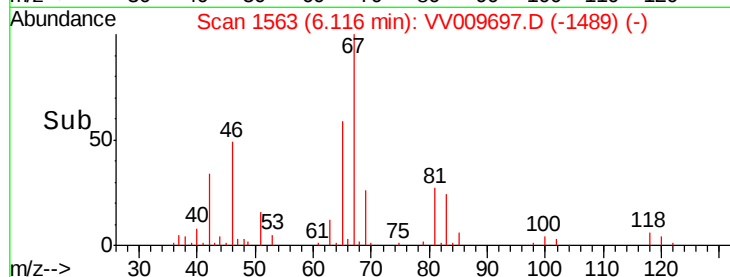
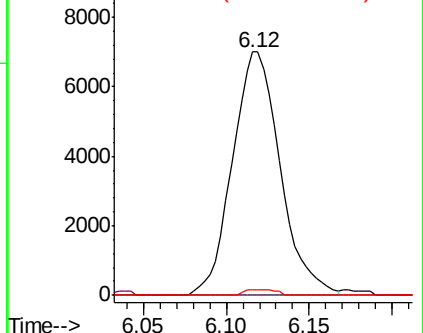
#35  
Methylcyclohexane  
Concen: 7.702 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.06 min  
Lab File: VV009697.D  
Acq: 15 Mar 2019 19:54

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF0T7

Tgt Ion: 83 Resp: 14040  
Ion Ratio Lower Upper  
83 100  
55 0.6 57.9 86.9#  
98 0.8 39.2 58.8#

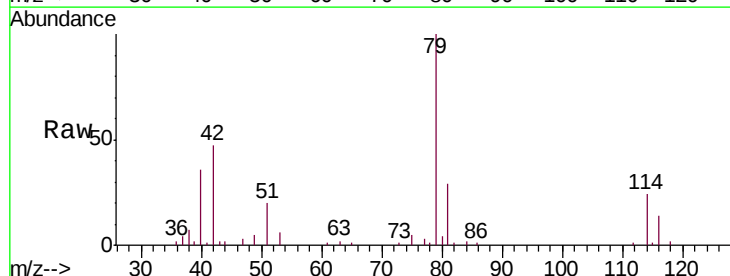


Abundance Ion 83.00 (82.70 to 83.70): VV0  
Ion 55.00 (54.70 to 55.70): VV0  
Ion 98.00 (97.70 to 98.70): VV0

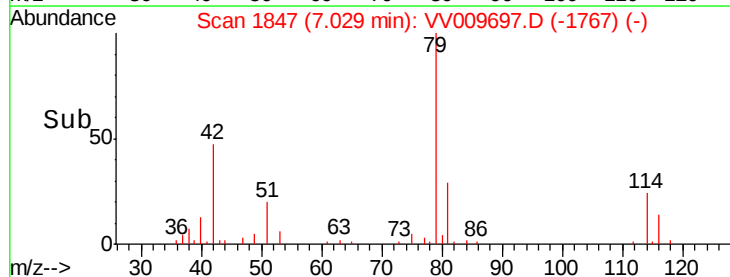
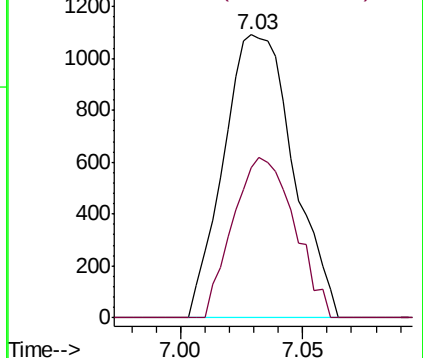


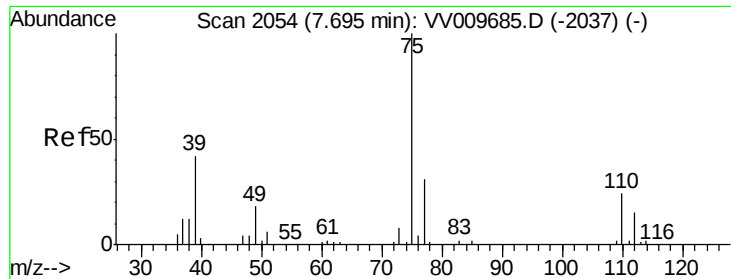
#39  
cis-1,3-Dichloropropene  
Concen: 1.259 ug/L  
RT: 7.03 min Scan# 1847  
Delta R.T. -0.04 min  
Lab File: VV009697.D  
Acq: 15 Mar 2019 19:54

Tgt Ion: 75 Resp: 2160  
Ion Ratio Lower Upper  
75 100  
77 53.1 22.3 41.5#



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: 0.954 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.02 min

Lab File: VV009697.D

Acq: 15 Mar 2019 19:54

Instrument :

MSVOA\_V

ClientSampleId :

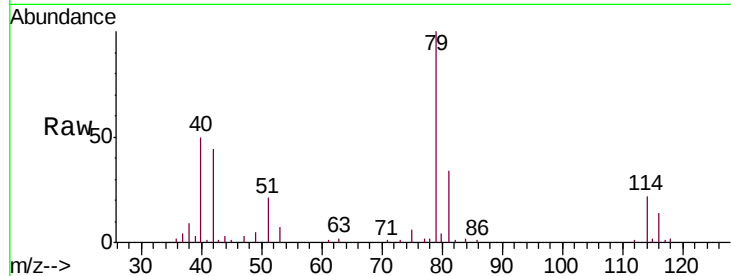
BF0T7

Tgt Ion: 75 Resp: 1536

Ion Ratio Lower Upper

75 100

77 38.3 21.6 40.2

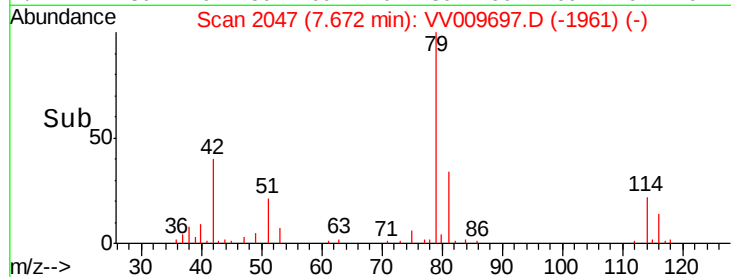


Abundance Ion 75.00 (74.70 to 75.70): VV009685.D (-2037) (-)

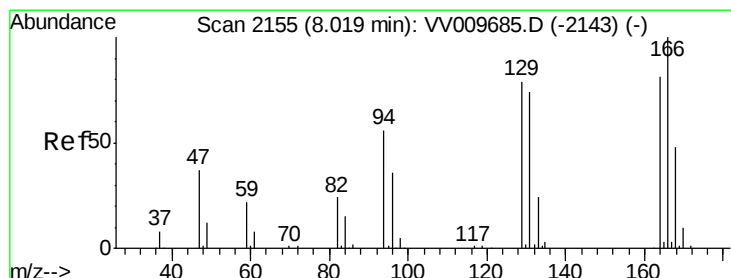
Ion 77.00 (76.70 to 77.70): VV009685.D (-2037) (-)

7.67

Time-->



Time-->



#46

Tetrachloroethene

Concen: 27.125 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009697.D

Acq: 15 Mar 2019 19:54

Tgt Ion: 164 Resp: 24029

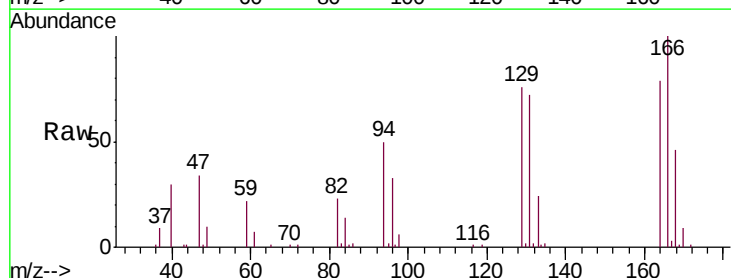
Ion Ratio Lower Upper

164 100

129 96.0 70.8 131.6

131 91.9 68.3 126.9

166 127.1 89.5 166.3



Abundance Ion 164.00 (163.70 to 164.70): VV009685.D (-2143) (-)

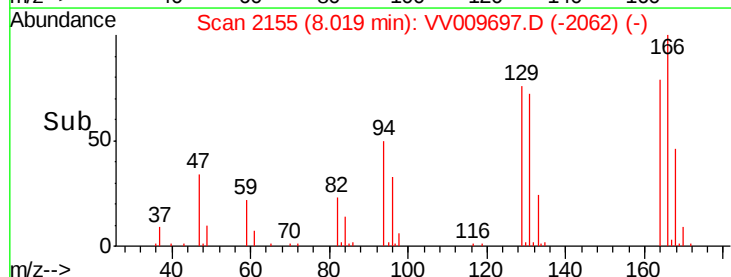
Ion 129.00 (128.70 to 129.70): VV009685.D (-2143) (-)

Ion 131.00 (130.70 to 131.70): VV009685.D (-2143) (-)

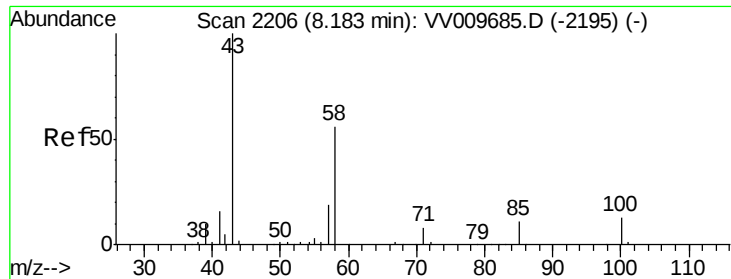
Ion 166.00 (165.70 to 166.70): VV009685.D (-2143) (-)

8.02

Time-->



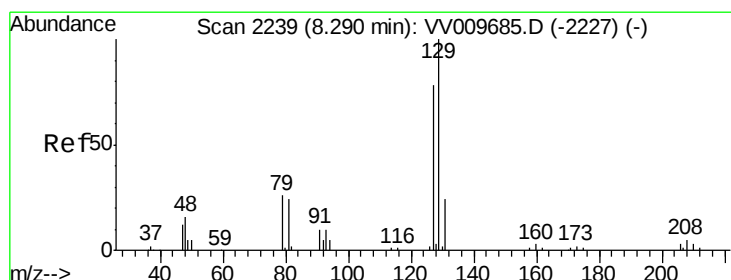
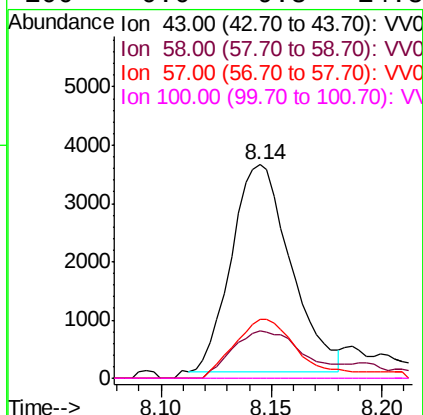
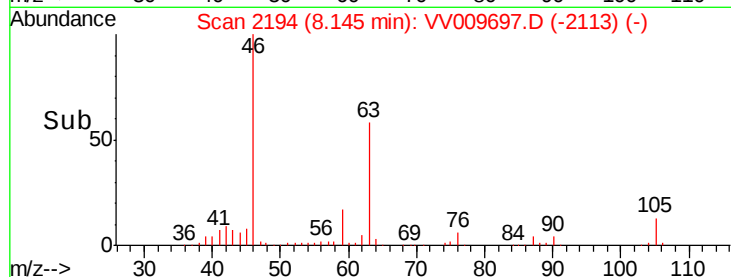
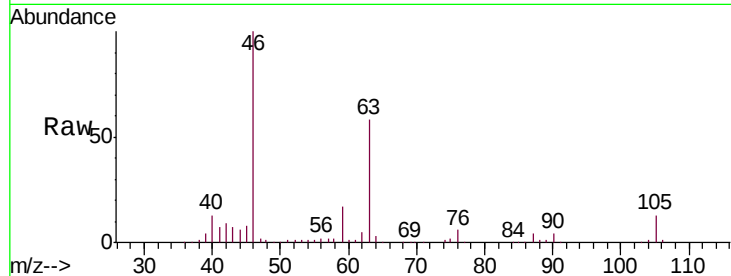
Time-->



#48  
2-Hexanone  
Concen: 5.737 ug/L  
RT: 8.14 min Scan# 2194  
Delta R.T. -0.04 min  
Lab File: VV009697.D  
Acq: 15 Mar 2019 19:54

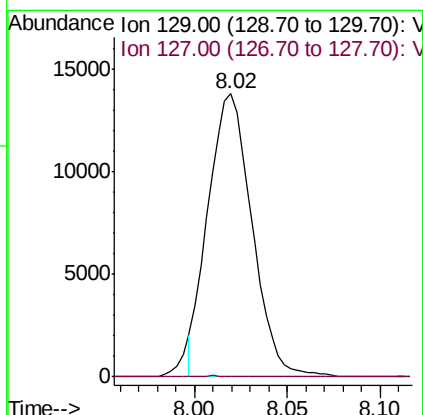
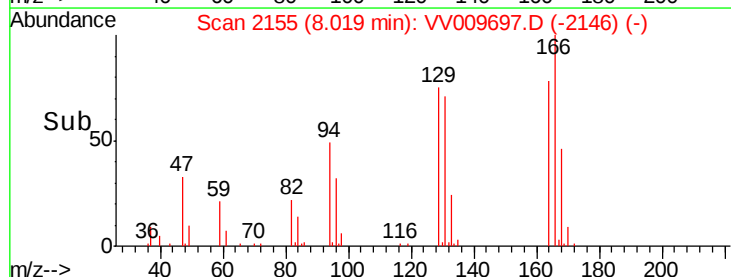
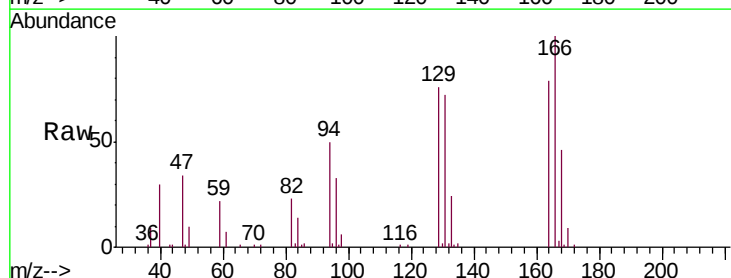
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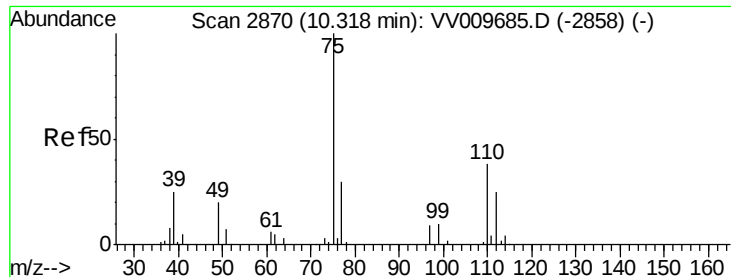
Tgt Ion: 43 Resp: 6612  
Ion Ratio Lower Upper  
43 100  
58 27.3 45.8 68.8#  
57 31.6 14.5 21.7#  
100 0.0 9.8 14.8#



#49  
Dibromochloromethane  
Concen: 18.413 ug/L  
RT: 8.02 min Scan# 2155  
Delta R.T. -0.27 min  
Lab File: VV009697.D  
Acq: 15 Mar 2019 19:54

Tgt Ion: 129 Resp: 22745  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.3 99.1#





#59

1,2,3-Trichloropropane

Concen: 7.074 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009697.D

Acq: 15 Mar 2019 19:54

Instrument :

MSVOA\_V

ClientSampleId :

BF0T7

Tgt Ion: 75 Resp: 10321

Ion Ratio Lower Upper

75 100

77 38.1 26.6 40.0

