

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010521\  
 Data File : VV019897.D  
 Acq On : 05 Jan 2021 15:17  
 Operator : SY/MD  
 Sample : M1017-03 20X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4W4

Quant Time: Jan 06 07:11:57 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM122820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 06 07:08:24 2021  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 554070   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 532923   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.26 | 152  | 240060   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 186510   | 43.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.00%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 170363   | 49.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.98%  |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 295757   | 36.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.98%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 328435   | 103.35   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 103.35% |
| 24) Chloroform-d               | 4.35    | 84    | 385684   | 47.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.22%  |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 273893   | 51.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.46% |
| 32) Benzene-d6                 | 5.05    | 84    | 752055   | 49.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.02%  |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 250850   | 49.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.42%  |
| 41) Toluene-d8                 | 7.32    | 98    | 655929   | 48.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.04%  |
| 43) trans-1,3-Dichloropropene- | 7.62    | 79    | 110674   | 44.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.24%  |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 181711   | 87.13    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 87.13%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 298940   | 45.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.10%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 243475   | 53.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.04% |

## Target Compounds

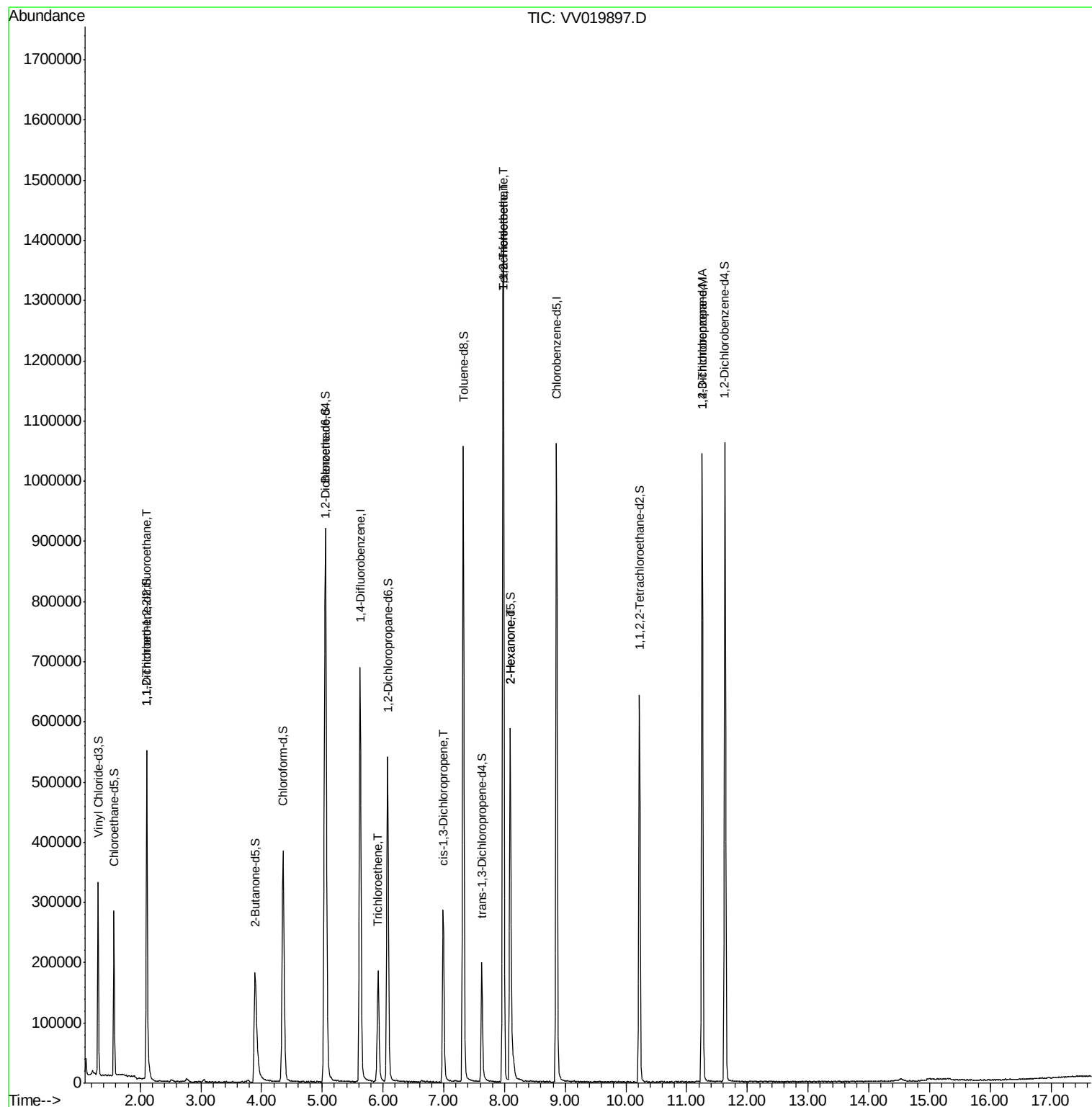
|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11  | 101 | 2572   | 0.732 ug/L # | 29     |
| 34) Trichloroethene            | 5.92  | 95  | 56549  | 12.717 ug/L  | 99     |
| 39) cis-1,3-Dichloropropene    | 6.99  | 75  | 7225   | 1.042 ug/L # | 67     |
| 45) 1,1,2-Trichloroethane      | 7.98  | 97  | 3099   | 0.751 ug/L # | 1      |
| 46) Tetrachloroethene          | 7.98  | 164 | 290375 | 97.781 ug/L  | 99     |
| 48) 2-Hexanone                 | 8.09  | 43  | 25367  | 4.868 ug/L # | 72     |
| 59) 1,2,3-Trichloropropane     | 11.25 | 75  | 35095  | 6.133 ug/L   | 90     |

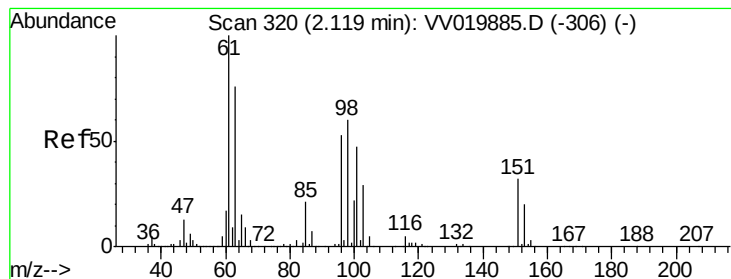
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Jan 06 07:08:24 2021  
Response via : Initial Calibration





#10

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

Concen: 0.732 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019897.D

Acq: 05 Jan 2021 15:17

Instrument :

MSVOA\_V

ClientSampleId :

BG4W4

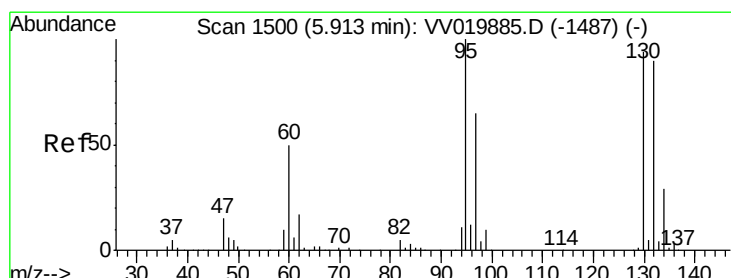
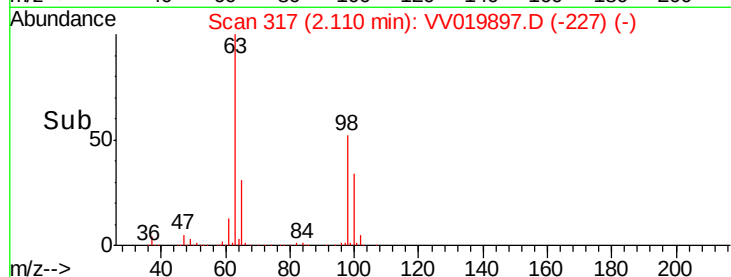
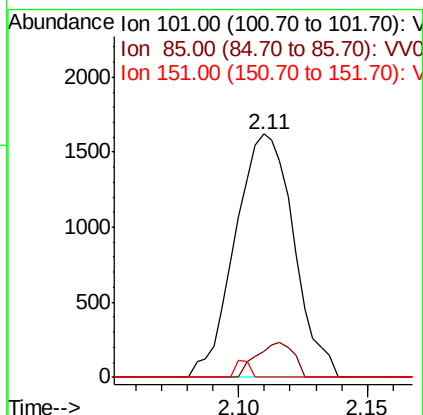
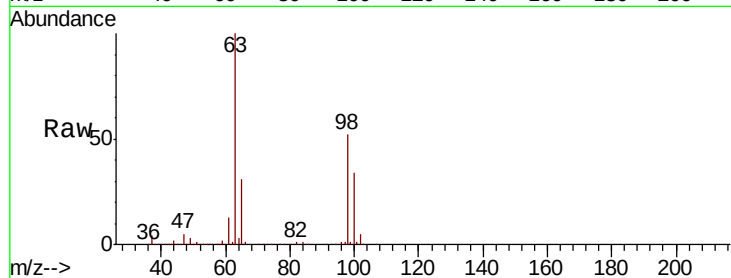
Tot Ion:101 Resp: 2572

Ion Ratio Lower Upper

101 100

85 9.1 35.3 52.9#

151 1.7 53.6 80.4#



#34

Trichloroethene

Concen: 12.717 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.01 min

Lab File: VV019897.D

Acq: 05 Jan 2021 15:17

Tgt Ion: 95 Resp: 56549

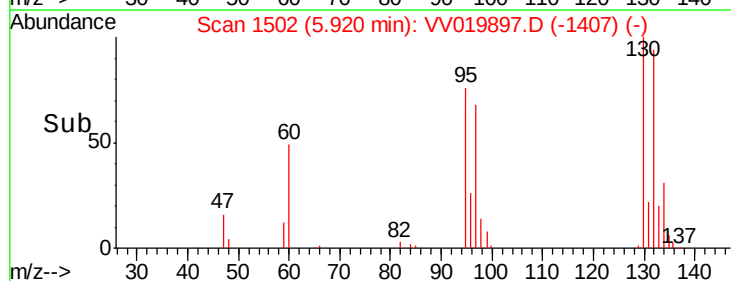
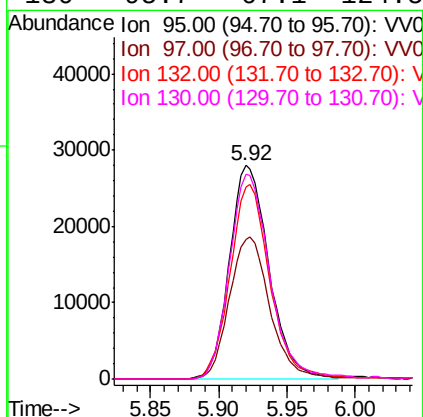
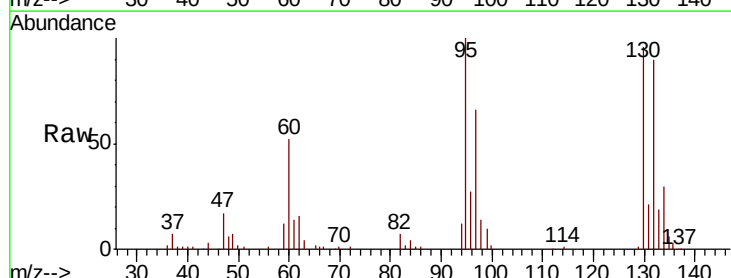
Ion Ratio Lower Upper

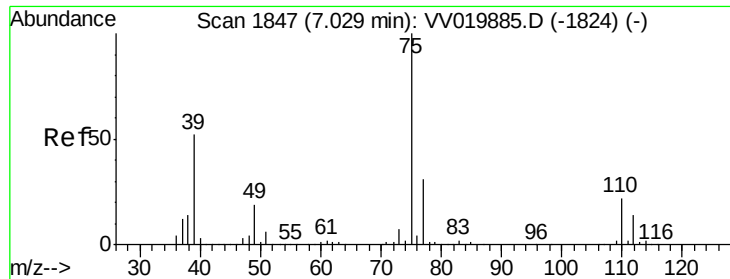
95 100

97 65.6 44.5 82.7

132 90.1 63.4 117.8

130 95.7 67.1 124.5





#39

cis-1,3-Dichloropropene

Concen: 1.042 ug/L

RT: 6.99 min Scan# 1835

Delta R.T. -0.04 min

Lab File: VV019897.D

Acq: 05 Jan 2021 15:17

Instrument :

MSVOA\_V

ClientSampleId :

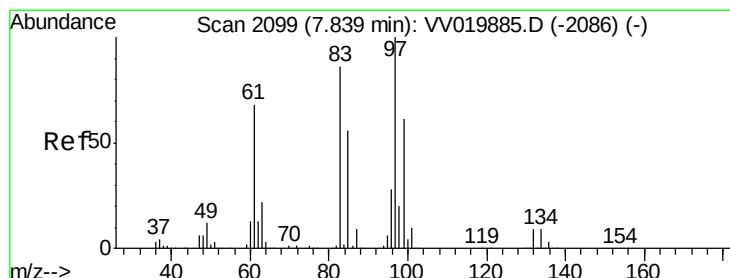
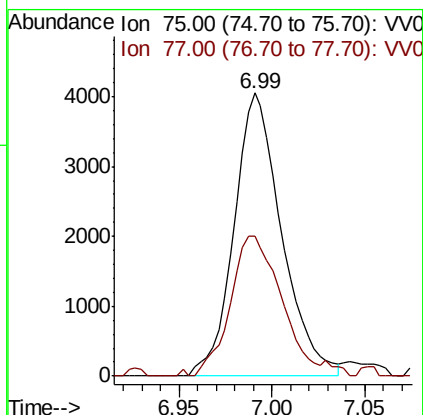
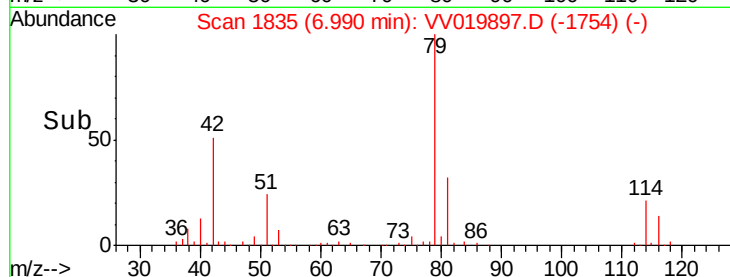
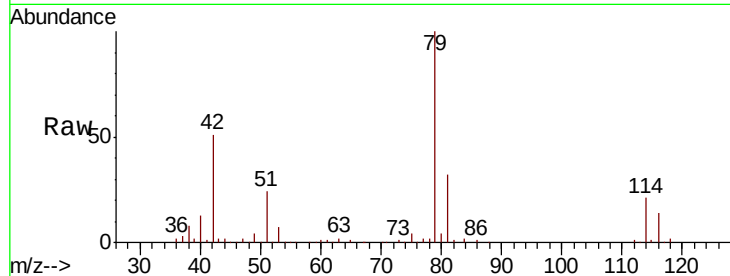
BG4W4

Tot Ion: 75 Resp: 7225

Ion Ratio Lower Upper

75 100

77 49.3 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 0.751 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.14 min

Lab File: VV019897.D

Acq: 05 Jan 2021 15:17

Tgt Ion: 97 Resp: 3099

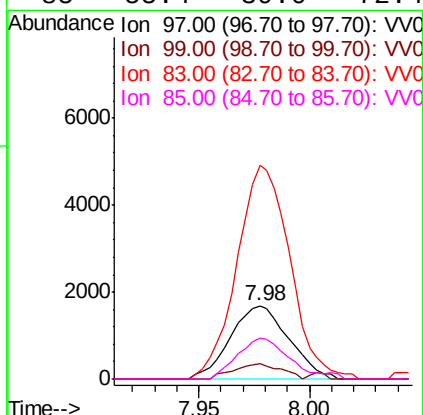
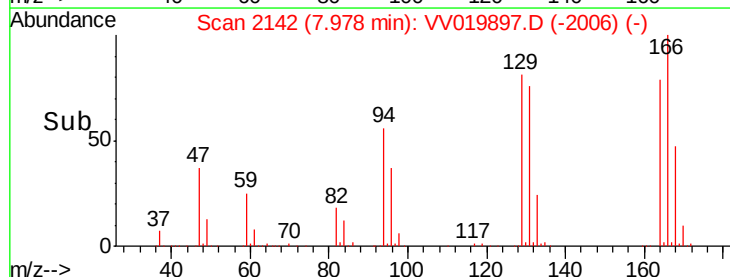
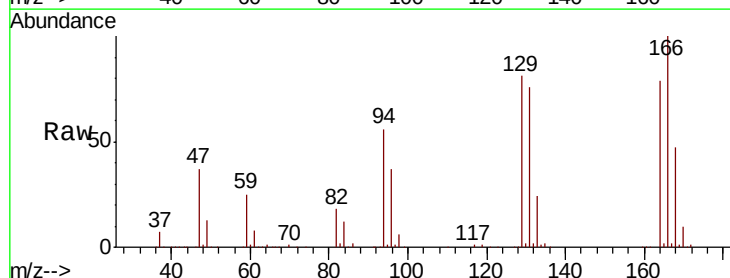
Ion Ratio Lower Upper

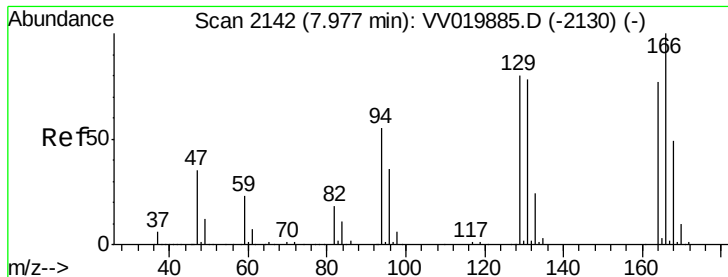
97 100

99 20.6 43.8 81.3#

83 290.5 62.2 115.4#

85 55.4 39.0 72.4





#46

Tetrachloroethene

Concen: 97.781 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019897.D

Acq: 05 Jan 2021 15:17

Instrument :

MSVOA\_V

ClientSampleId :

BG4W4

Tot Ion:164 Resp: 290375

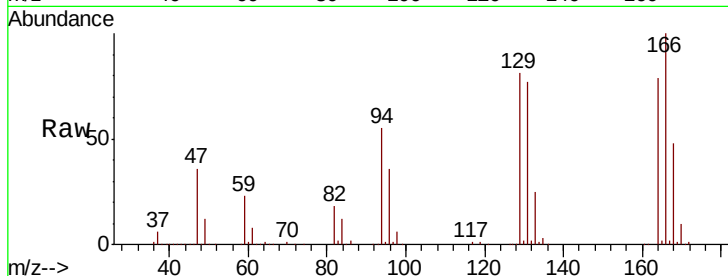
Ion Ratio Lower Upper

164 100

129 101.9 70.6 131.0

131 96.9 66.8 124.0

166 126.4 88.2 163.8

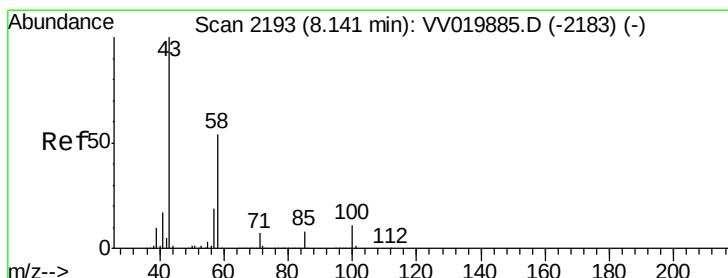
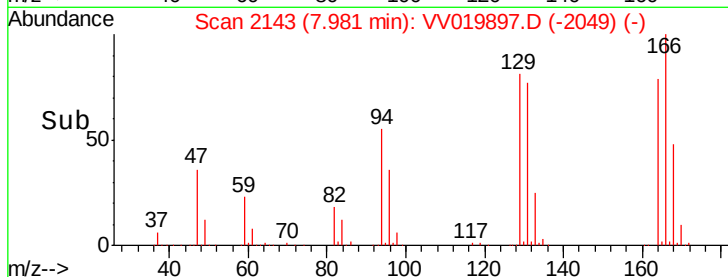
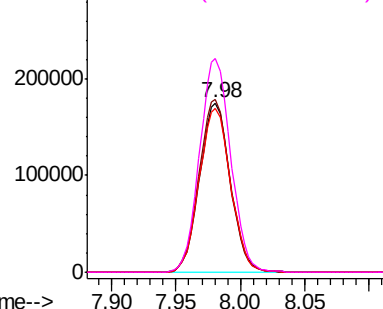


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 4.868 ug/L

RT: 8.09 min Scan# 2178

Delta R.T. -0.05 min

Lab File: VV019897.D

Acq: 05 Jan 2021 15:17

Tgt Ion: 43 Resp: 25367

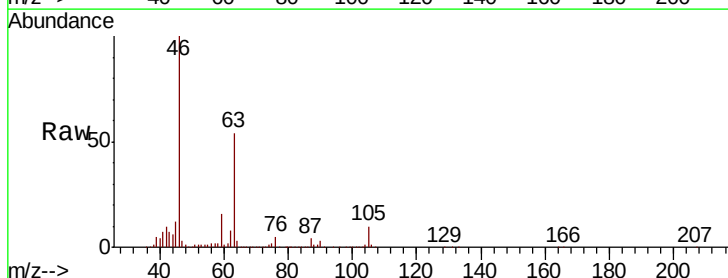
Ion Ratio Lower Upper

43 100

58 28.2 41.8 62.6#

57 24.3 15.0 22.4#

100 1.1 8.9 13.3#

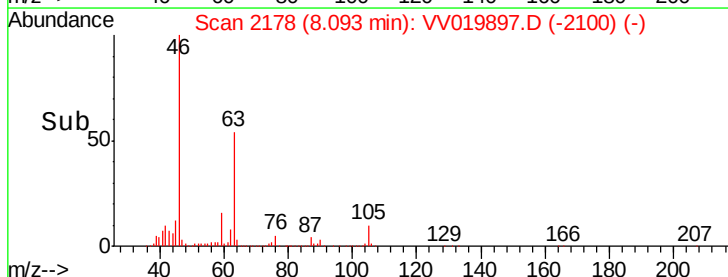
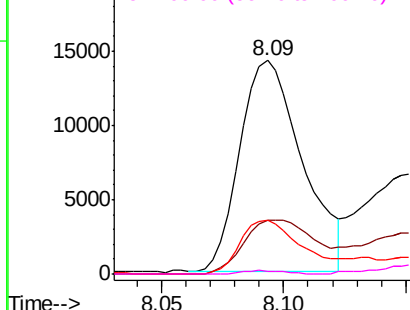


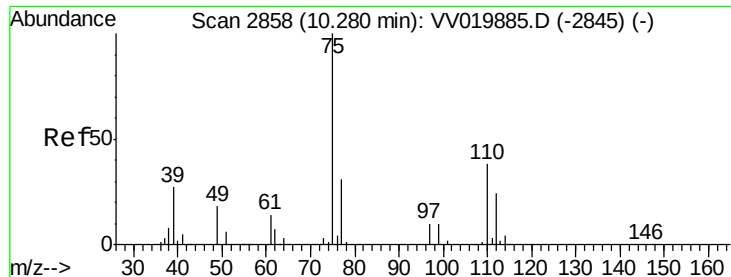
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 6.133 ug/L

RT: 11.25 min Scan# 3161

Delta R.T. 0.97 min

Lab File: VV019897.D

Acq: 05 Jan 2021 15:17

Instrument :

MSVOA\_V

ClientSampleId :

BG4W4

Tot Ion: 75 Resp: 35095

Ion Ratio Lower Upper

75 100

77 37.4 25.4 38.0

