

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\  
 Data File : VV018831.D  
 Acq On : 10 Oct 2020 14:41  
 Operator : SY/MD  
 Sample : L4284-04ME  
 Misc : 5.62g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3W1ME

Quant Time: Oct 12 04:51:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Oct 12 04:43:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 314151   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.88  | 117  | 328511   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.28 | 152  | 157153   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 80580    | 28.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 56.46%# |
| 7) Chloroethane-d5             | 1.58    | 69    | 73071    | 31.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 63.60%# |
| 11) 1,1-Dichloroethene-d2      | 2.10    | 63    | 134319   | 24.41    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 48.82%# |
| 21) 2-Butanone-d5              | 3.93    | 46    | 150987   | 86.15    | ug/L | 0.03    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 86.15%  |
| 24) Chloroform-d               | 4.37    | 84    | 201662   | 40.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 155047   | 45.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.84%  |
| 32) Benzene-d6                 | 5.07    | 84    | 394733   | 37.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 74.68%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 125973   | 36.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 73.08%  |
| 41) Toluene-d8                 | 7.34    | 98    | 339205   | 36.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 72.28%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 61103    | 36.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.52%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 95196    | 78.79    | ug/L | 0.04    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 78.79%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 152967   | 38.57    | ug/L | 0.01    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 77.14%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 154119   | 44.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.62%  |

## Target Compounds

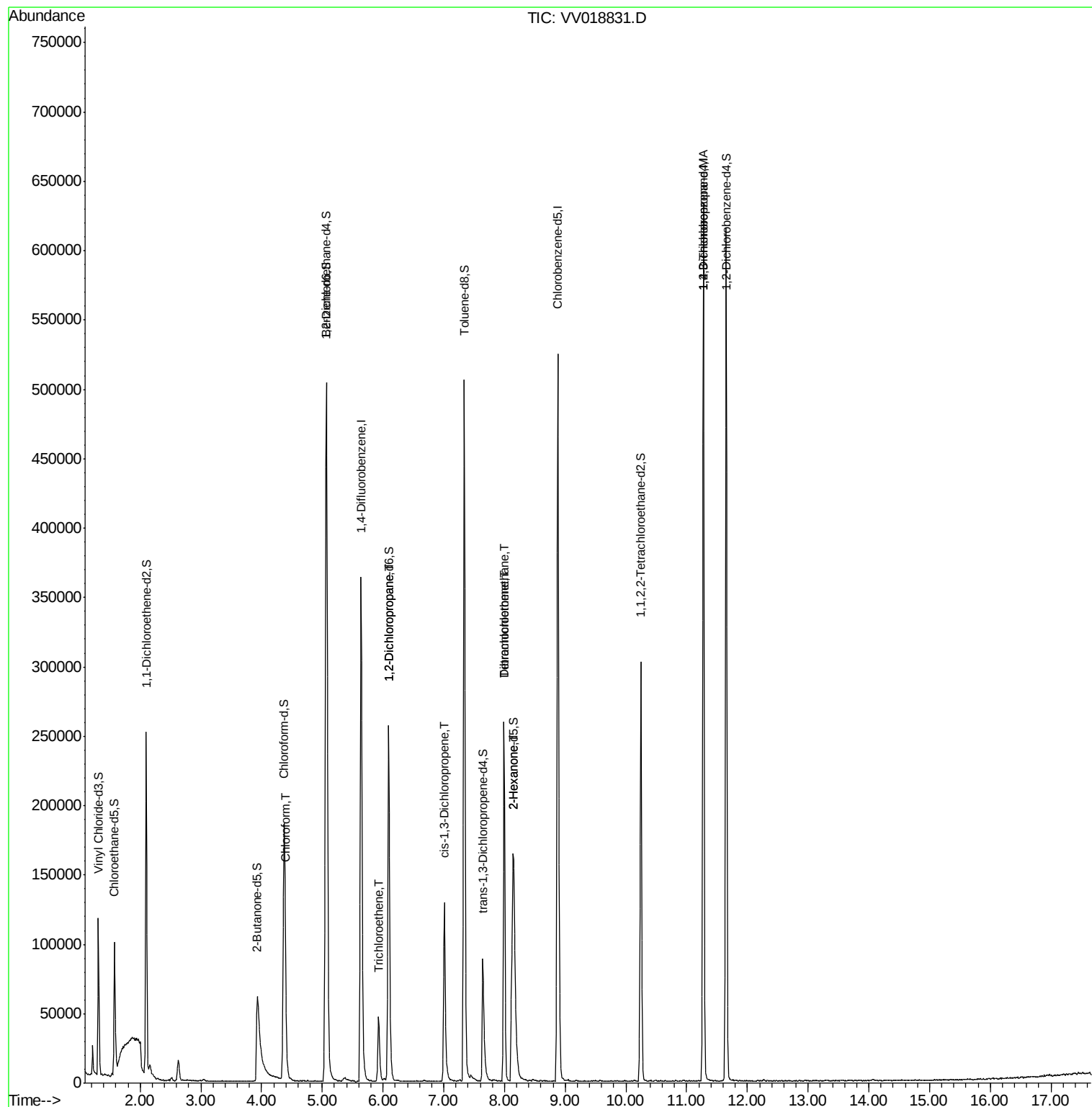
|                             |       |     |       |               | Ovalue |
|-----------------------------|-------|-----|-------|---------------|--------|
| 25) Chloroform              | 4.40  | 83  | 4585  | 0.992 ug/L    | 90     |
| 34) Trichloroethene         | 5.94  | 95  | 3350  | 1.117 ug/L    | 88     |
| 37) 1,2-Dichloropropane     | 6.09  | 63  | 14437 | 5.043 ug/L #  | 87     |
| 39) cis-1,3-Dichloropropene | 7.01  | 75  | 3810  | 0.942 ug/L #  | 65     |
| 46) Tetrachloroethene       | 8.00  | 164 | 58350 | 26.543 ug/L   | 99     |
| 48) 2-Hexanone              | 8.15  | 43  | 12095 | 4.118 ug/L #  | 54     |
| 49) Dibromochloromethane    | 7.99  | 129 | 52606 | 18.718 ug/L # | 10     |
| 59) 1,2,3-Trichloropropane  | 11.27 | 75  | 19931 | 5.851 ug/L    | 92     |

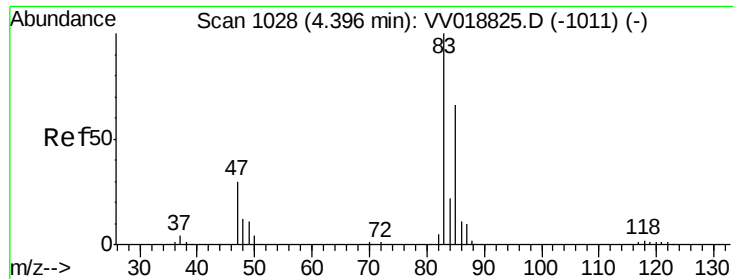
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Mon Oct 12 04:43:49 2020  
Response via : Initial Calibration

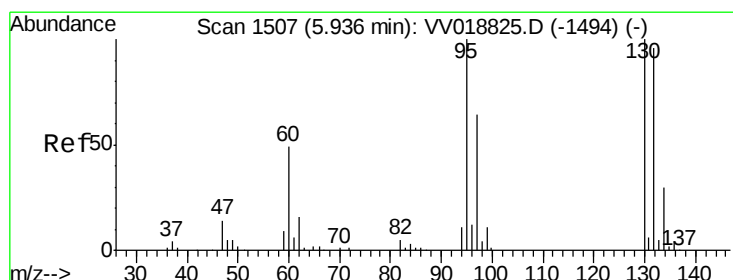
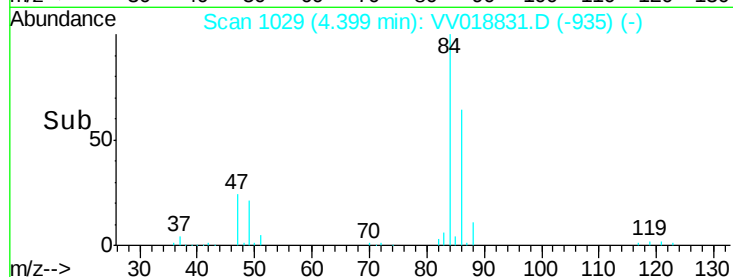
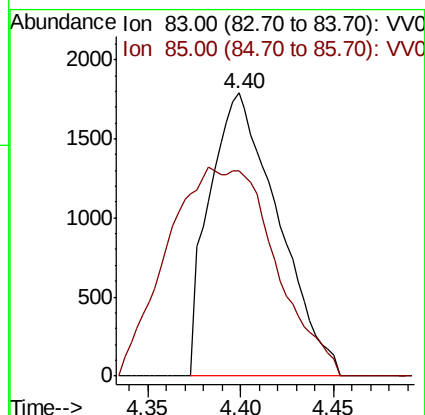
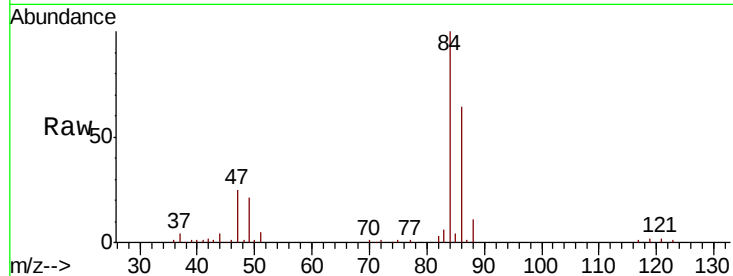




#25  
Chloroform  
Concen: 0.992 ug/L  
RT: 4.40 min Scan# 1029  
Delta R.T. 0.00 min  
Lab File: VV018831.D  
Acq: 10 Oct 2020 14:41

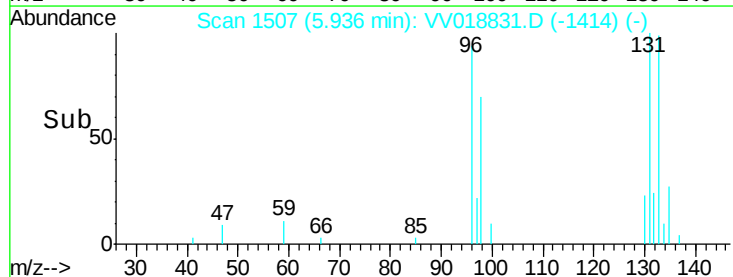
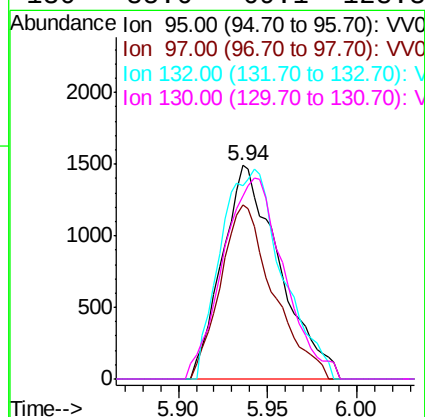
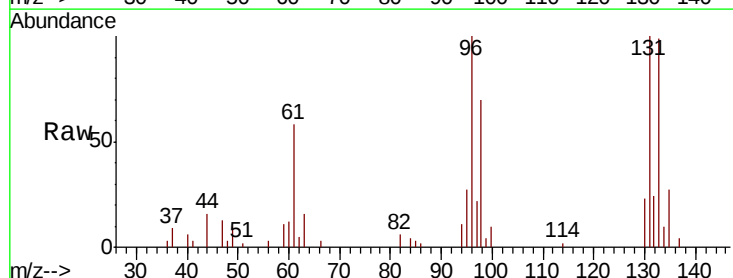
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3W1ME

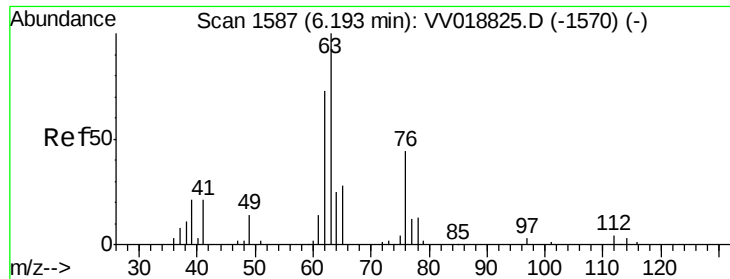
Tot Ion: 83 Resp: 4585  
Ion Ratio Lower Upper  
83 100  
85 72.3 45.0 83.6



#34  
Trichloroethene  
Concen: 1.117 ug/L  
RT: 5.94 min Scan# 1507  
Delta R.T. 0.00 min  
Lab File: VV018831.D  
Acq: 10 Oct 2020 14:41

Tgt Ion: 95 Resp: 3350  
Ion Ratio Lower Upper  
95 100  
97 81.2 45.1 83.9  
132 90.5 66.2 123.0  
130 85.6 69.1 128.3

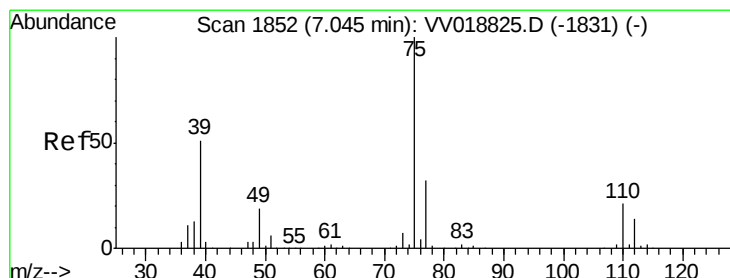
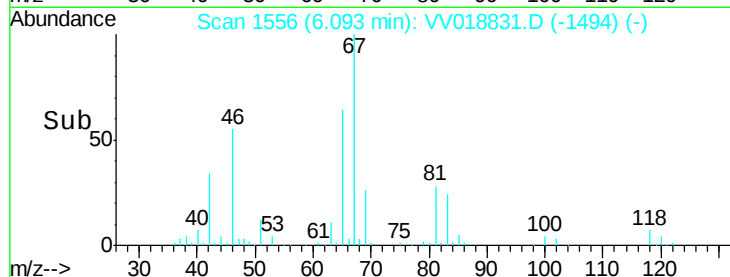
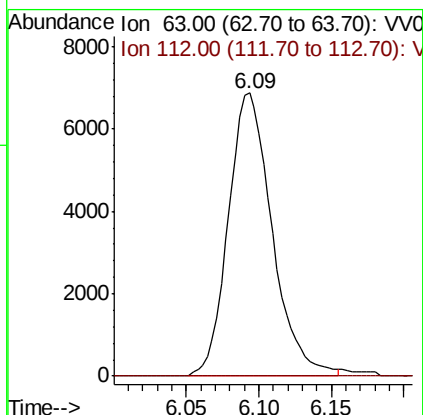
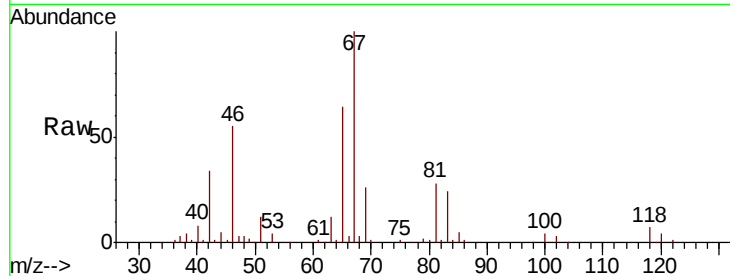




#37  
 1,2-Dichloropropane  
 Concen: 5.043 ug/L  
 RT: 6.09 min Scan# 1556  
 Delta R.T. -0.10 min  
 Lab File: VV018831.D  
 Acq: 10 Oct 2020 14:41

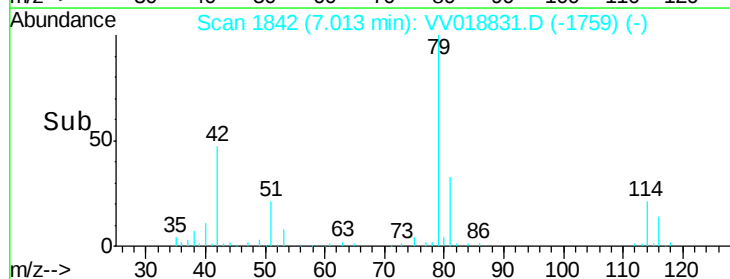
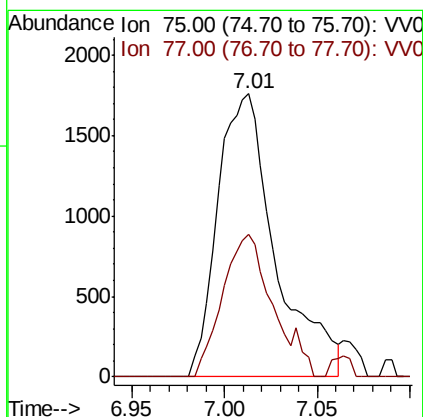
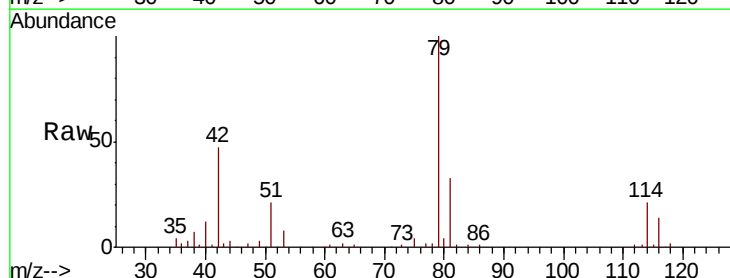
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3W1ME

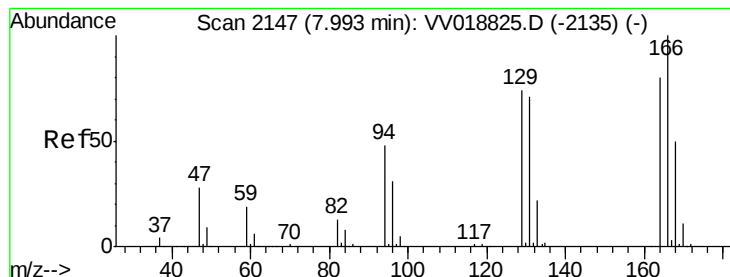
Tot Ion: 63 Resp: 14437  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.2#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.942 ug/L  
 RT: 7.01 min Scan# 1842  
 Delta R.T. -0.03 min  
 Lab File: VV018831.D  
 Acq: 10 Oct 2020 14:41

Tgt Ion: 75 Resp: 3810  
 Ion Ratio Lower Upper  
 75 100  
 77 50.4 21.8 40.6#





#46

Tetrachloroethene

Concen: 26.543 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018831.D

Acq: 10 Oct 2020 14:41

Instrument :

MSVOA\_V

ClientSampleId :

BG3W1ME

Tot Ion:164 Resp: 58350

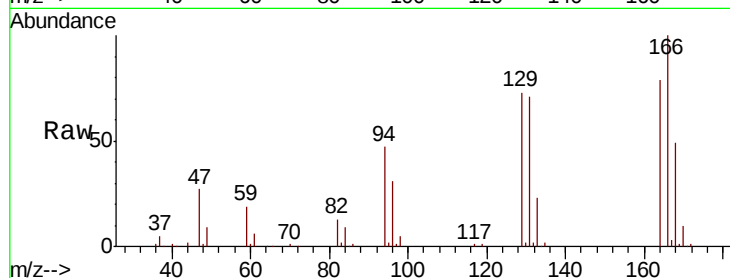
Ion Ratio Lower Upper

164 100

129 92.9 64.6 120.0

131 90.4 63.6 118.0

166 127.0 88.3 164.1

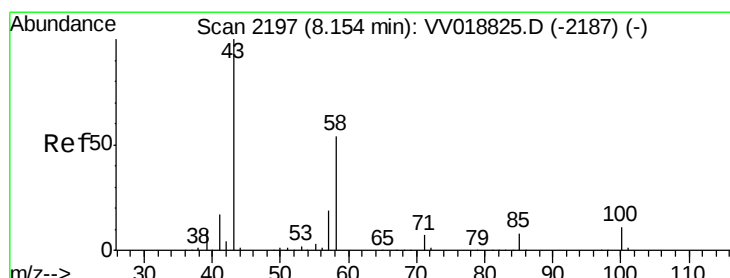
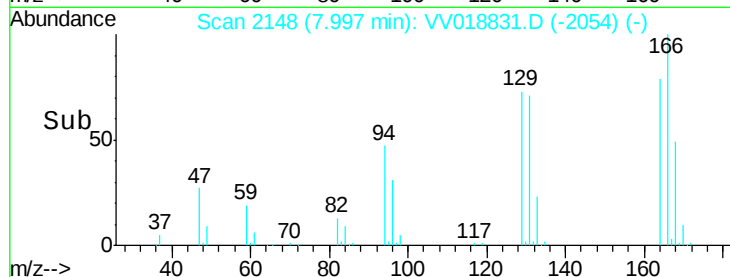
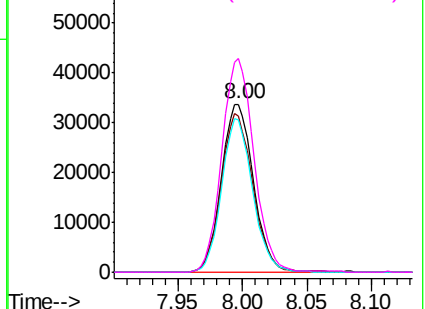


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.118 ug/L

RT: 8.15 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VV018831.D

Acq: 10 Oct 2020 14:41

Tgt Ion: 43 Resp: 12095

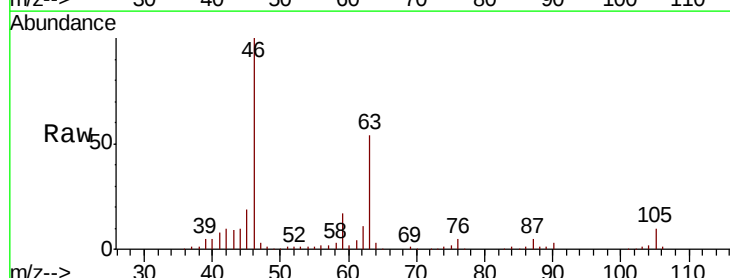
Ion Ratio Lower Upper

43 100

58 6.4 41.8 62.8#

57 18.6 14.9 22.3

100 0.0 9.2 13.8#

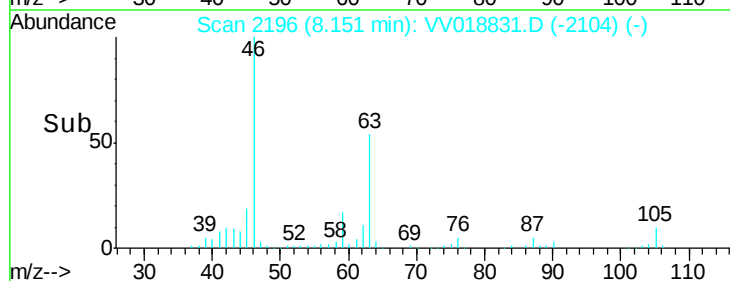
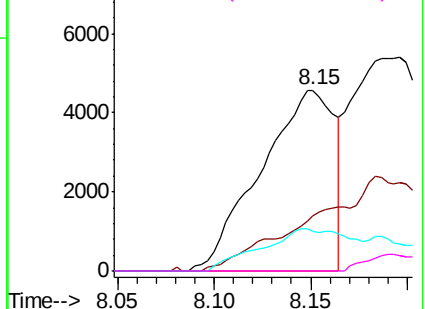


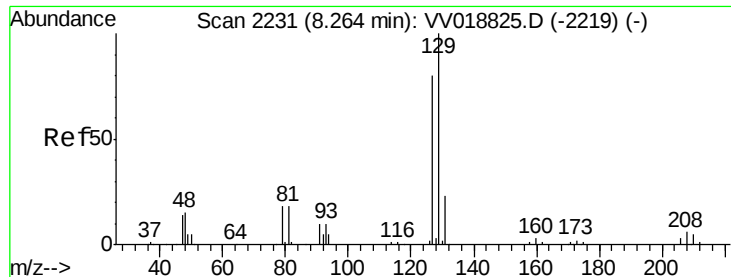
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#49

Dibromochloromethane

Concen: 18.718 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.27 min

Lab File: VV018831.D

Acq: 10 Oct 2020 14:41

Instrument :

MSVOA\_V

ClientSampleId :

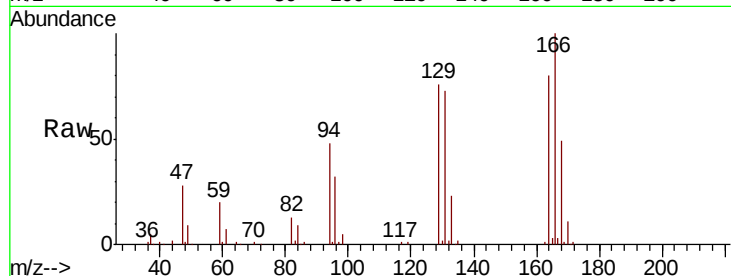
BG3W1ME

Tot Ion:129 Resp: 52606

Ion Ratio Lower Upper

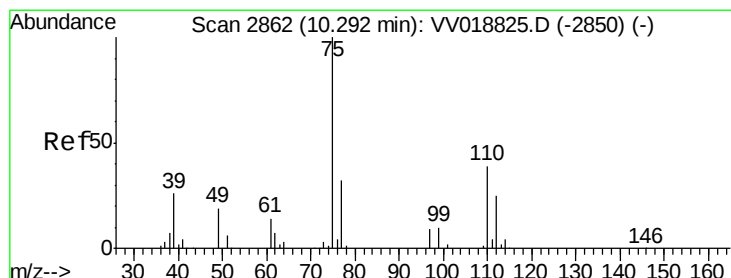
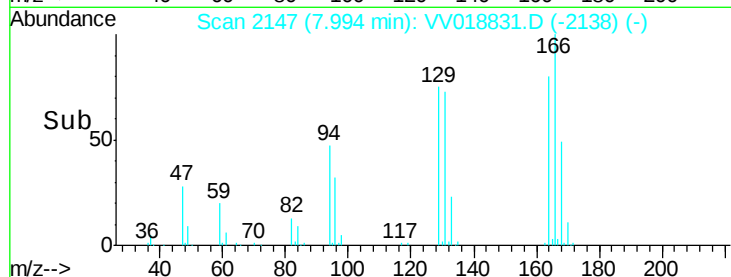
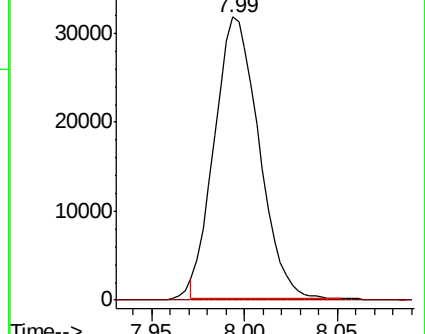
129 100

127 0.0 55.3 102.7#



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: 5.851 ug/L

RT: 11.27 min Scan# 3167

Delta R.T. 0.98 min

Lab File: VV018831.D

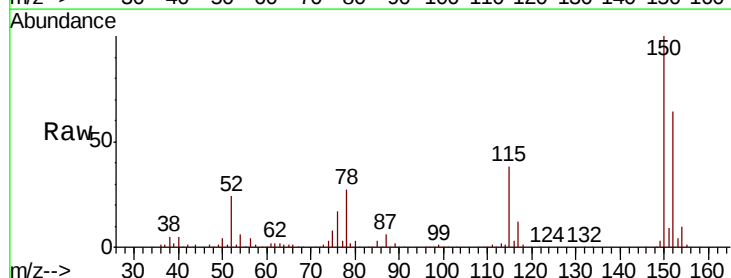
Acq: 10 Oct 2020 14:41

Tgt Ion: 75 Resp: 19931

Ion Ratio Lower Upper

75 100

77 36.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

