

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100220\  
 Data File : VV018647.D  
 Acq On : 02 Oct 2020 23:55  
 Operator : SY/MD  
 Sample : L4254-01 100X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3P1

Quant Time: Oct 03 02:12:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 03 02:08:43 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 299505   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 295181   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 144053   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 81529    | 46.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.82%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 68217    | 46.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.94%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 127543   | 35.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.28%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 112784   | 86.08    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 86.08%  |
| 24) Chloroform-d               | 4.37    | 84    | 161095   | 42.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.82%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 111186   | 46.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.22%  |
| 32) Benzene-d6                 | 5.08    | 84    | 311625   | 41.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.36%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 96261    | 42.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 85.22%  |
| 41) Toluene-d8                 | 7.34    | 98    | 280117   | 39.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 79.64%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 48314    | 39.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.18%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 61293    | 71.43    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 71.43%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 116695   | 38.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 77.92%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 125155   | 45.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.36%  |

## Target Compounds

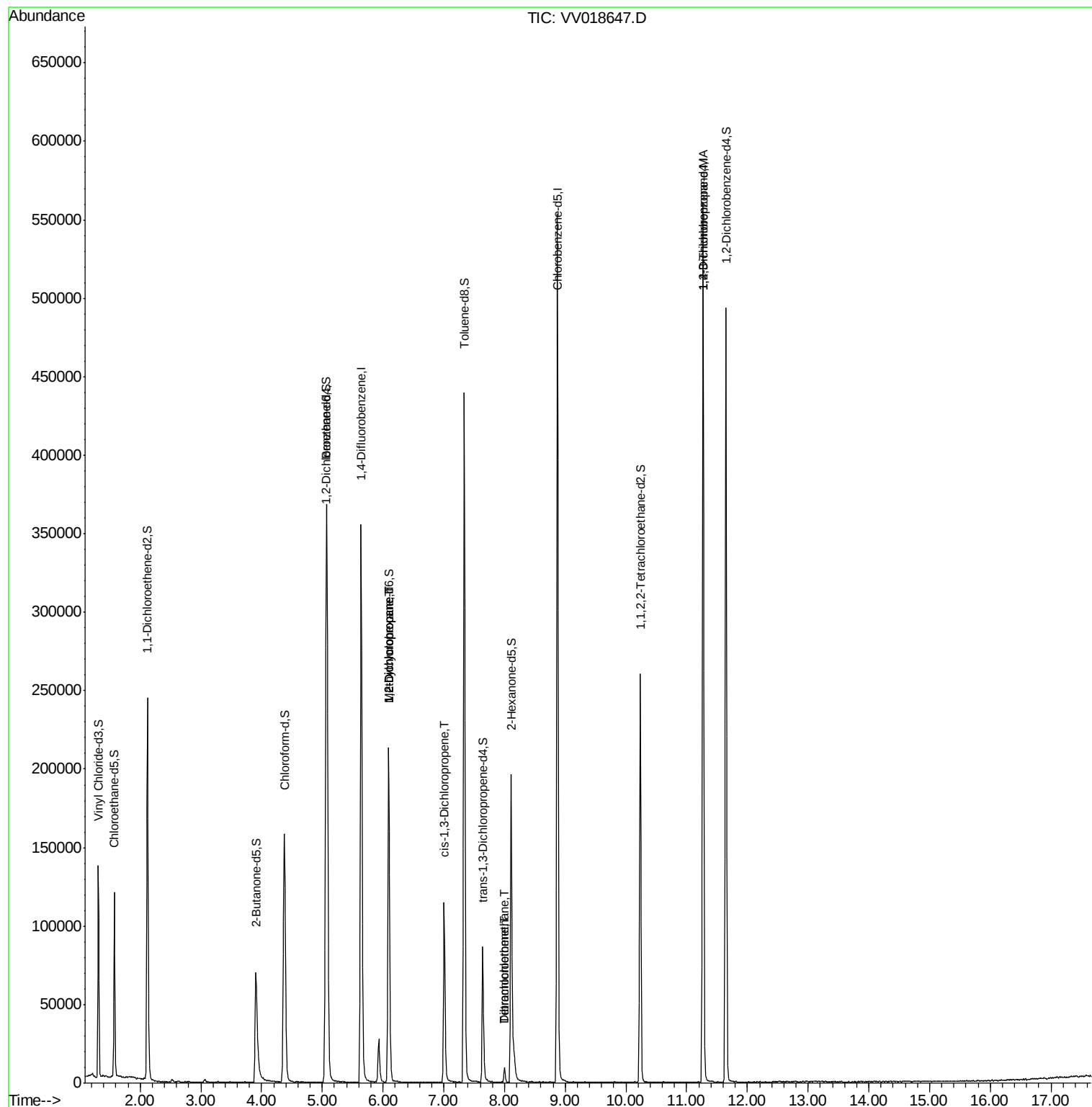
|                             |       |     |       |              | Ovalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 35) Methylcyclohexane       | 6.09  | 83  | 24945 | 7.345 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.09  | 63  | 11834 | 5.319 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.01  | 75  | 3058  | 0.876 ug/L # | 64     |
| 46) Tetrachloroethene       | 8.00  | 164 | 1962  | 0.961 ug/L # | 80     |
| 49) Dibromochloromethane    | 8.00  | 129 | 2194  | 0.871 ug/L # | 11     |
| 59) 1,2,3-Trichloropropane  | 11.27 | 75  | 15377 | 5.682 ug/L # | 86     |

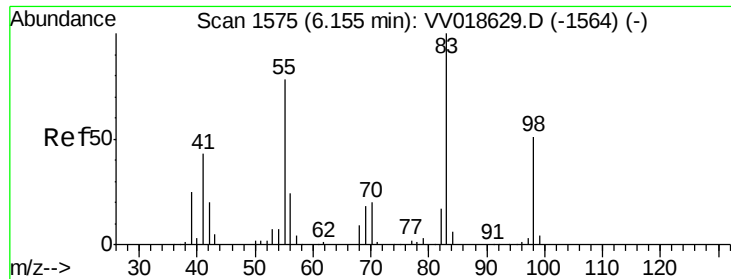
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Oct 03 02:08:43 2020  
Response via : Initial Calibration

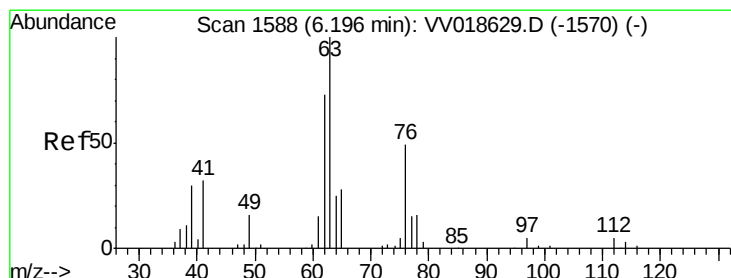
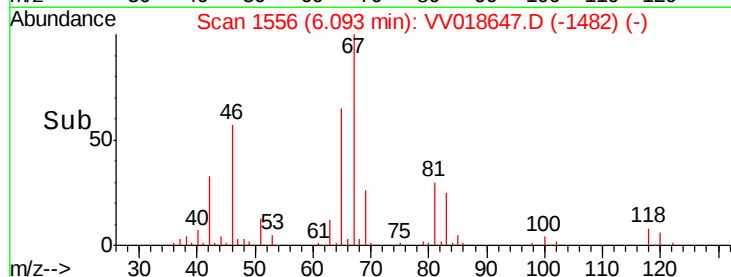
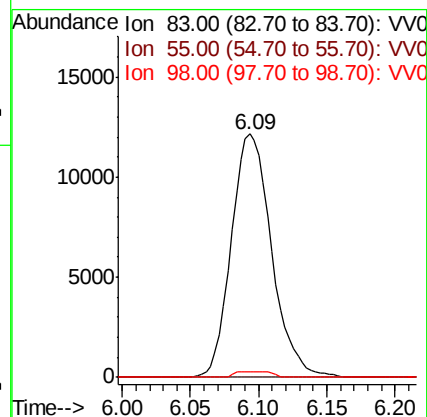
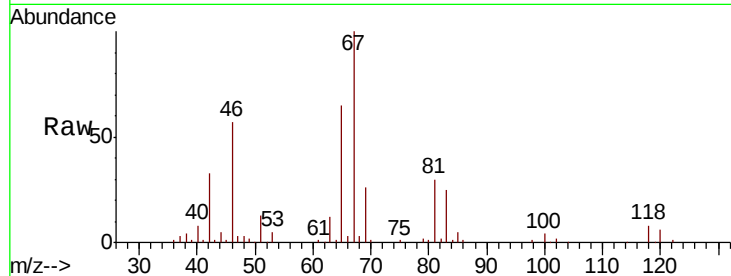




#35  
Methvlcvclohexane  
Concen: 7.345 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.06 min  
Lab File: VV018647.D  
Acq: 02 Oct 2020 23:55

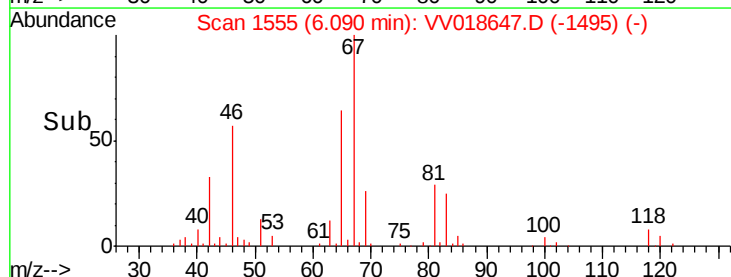
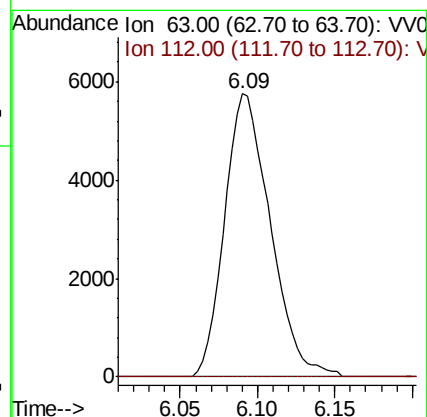
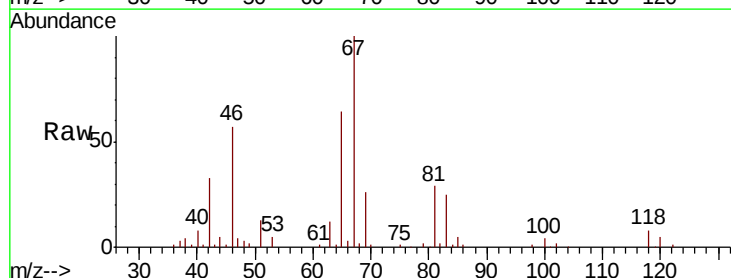
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3P1

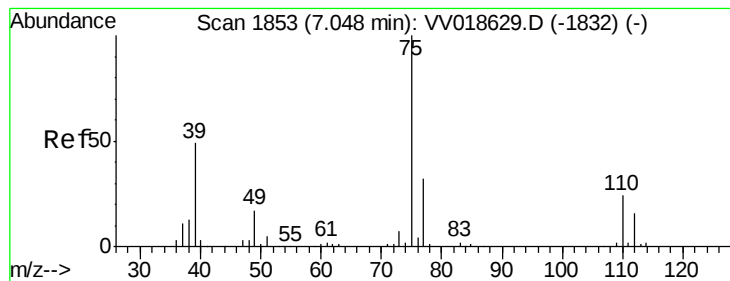
Tot Ion: 83 Resp: 24945  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.1 90.1#  
98 0.9 40.2 60.4#



#37  
1,2-Dichloropropane  
Concen: 5.319 ug/L  
RT: 6.09 min Scan# 1555  
Delta R.T. -0.11 min  
Lab File: VV018647.D  
Acq: 02 Oct 2020 23:55

Tgt Ion: 63 Resp: 11834  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.9 5.9#



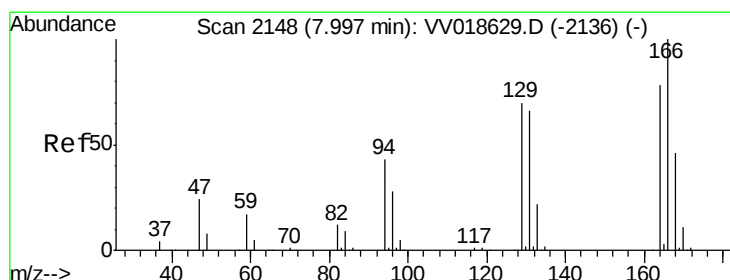
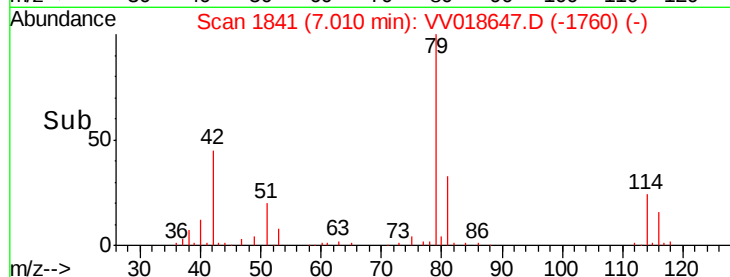
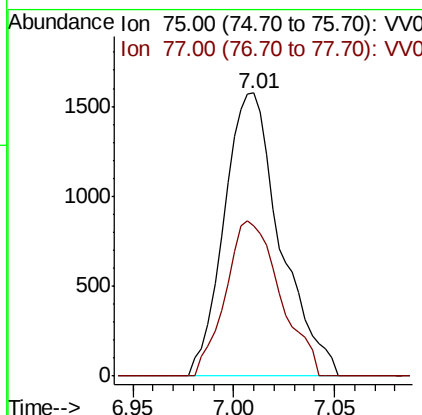
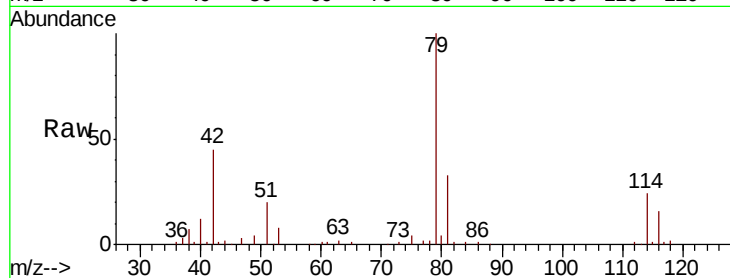


#39

cis-1,3-Dichloropropene  
Concen: 0.876 ug/L  
RT: 7.01 min Scan# 1841  
Delta R.T. -0.04 min  
Lab File: VV018647.D  
Acq: 02 Oct 2020 23:55

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3P1

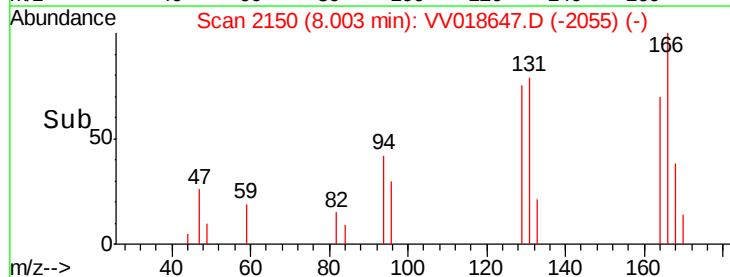
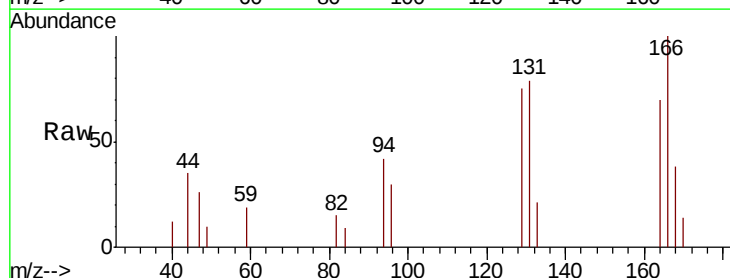
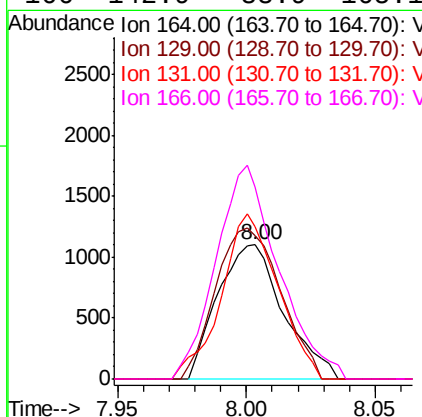
Tot Ion: 75 Resp: 3058  
Ion Ratio Lower Upper  
75 100  
77 52.9 23.0 42.6#

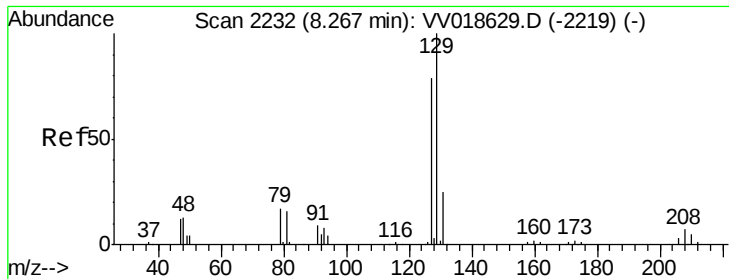


#46

Tetrachloroethene  
Concen: 0.961 ug/L  
RT: 8.00 min Scan# 2150  
Delta R.T. 0.01 min  
Lab File: VV018647.D  
Acq: 02 Oct 2020 23:55

Tgt Ion: 164 Resp: 1962  
Ion Ratio Lower Upper  
164 100  
129 106.9 62.8 116.6  
131 113.6 60.8 112.8#  
166 142.9 88.9 165.1

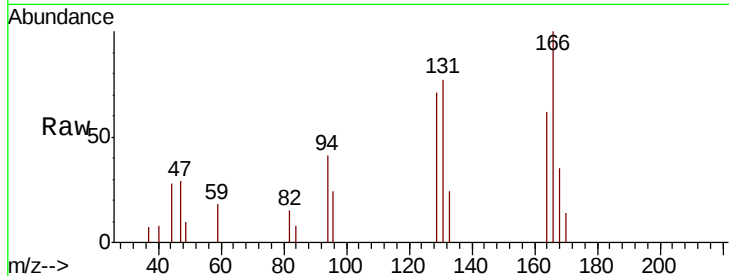




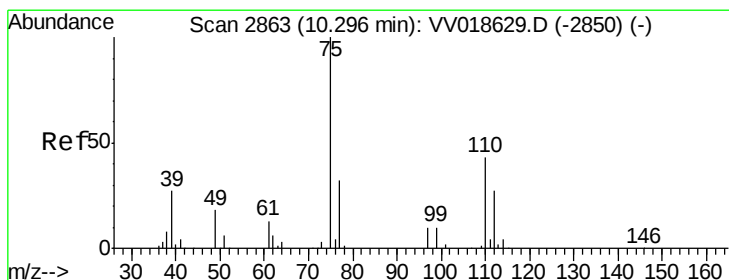
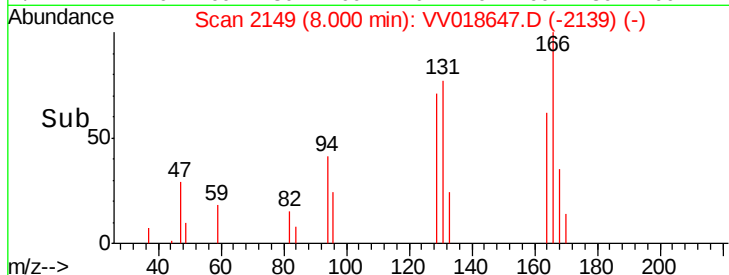
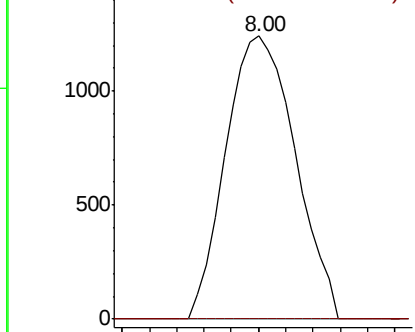
#49  
 Dibromochloromethane  
 Concen: 0.871 ug/L  
 RT: 8.00 min Scan# 2149  
 Delta R.T. -0.27 min  
 Lab File: VV018647.D  
 Acq: 02 Oct 2020 23:55

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 BG3P1

Tot Ion:129 Resp: 2194  
 Ion Ratio Lower Upper  
 129 100  
 127 0.0 54.1 100.5#

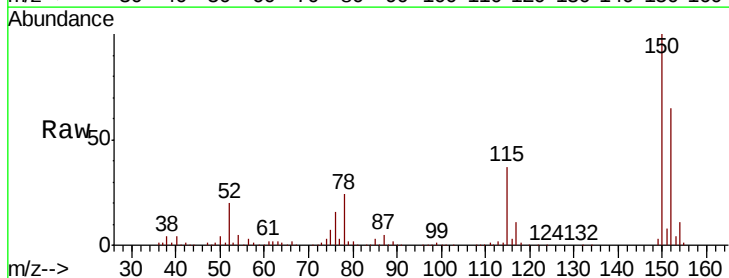


Abundance Ion 129.00 (128.70 to 129.70): V  
 Ion 127.00 (126.70 to 127.70): V



#59  
 1,2,3-Trichloropropane  
 Concen: 5.682 ug/L  
 RT: 11.27 min Scan# 3166  
 Delta R.T. 0.97 min  
 Lab File: VV018647.D  
 Acq: 02 Oct 2020 23:55

Tgt Ion: 75 Resp: 15377  
 Ion Ratio Lower Upper  
 75 100  
 77 39.3 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0  
 Ion 77.00 (76.70 to 77.70): VV0

