

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071020\  
 Data File : VV017437.D  
 Acq On : 10 Jul 2020 14:10  
 Operator : SY/MD  
 Sample : L3254-14  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 11 00:25:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM070820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 11 00:23:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 229055   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 218956   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 105781   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 55375    | 46.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.88%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 41573    | 49.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.26%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 98510    | 36.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.98%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 87596    | 107.55   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.55% |
| 24) Chloroform-d               | 4.38    | 84    | 142592   | 51.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.40% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 104860   | 55.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.78% |
| 32) Benzene-d6                 | 5.08    | 84    | 248027   | 52.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.88% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 70787    | 51.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.94% |
| 41) Toluene-d8                 | 7.34    | 98    | 230310   | 50.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.30% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 40625    | 51.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 102.50% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 56818    | 101.65   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 101.65% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 93520    | 48.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 99791    | 56.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 112.84% |

## Target Compounds

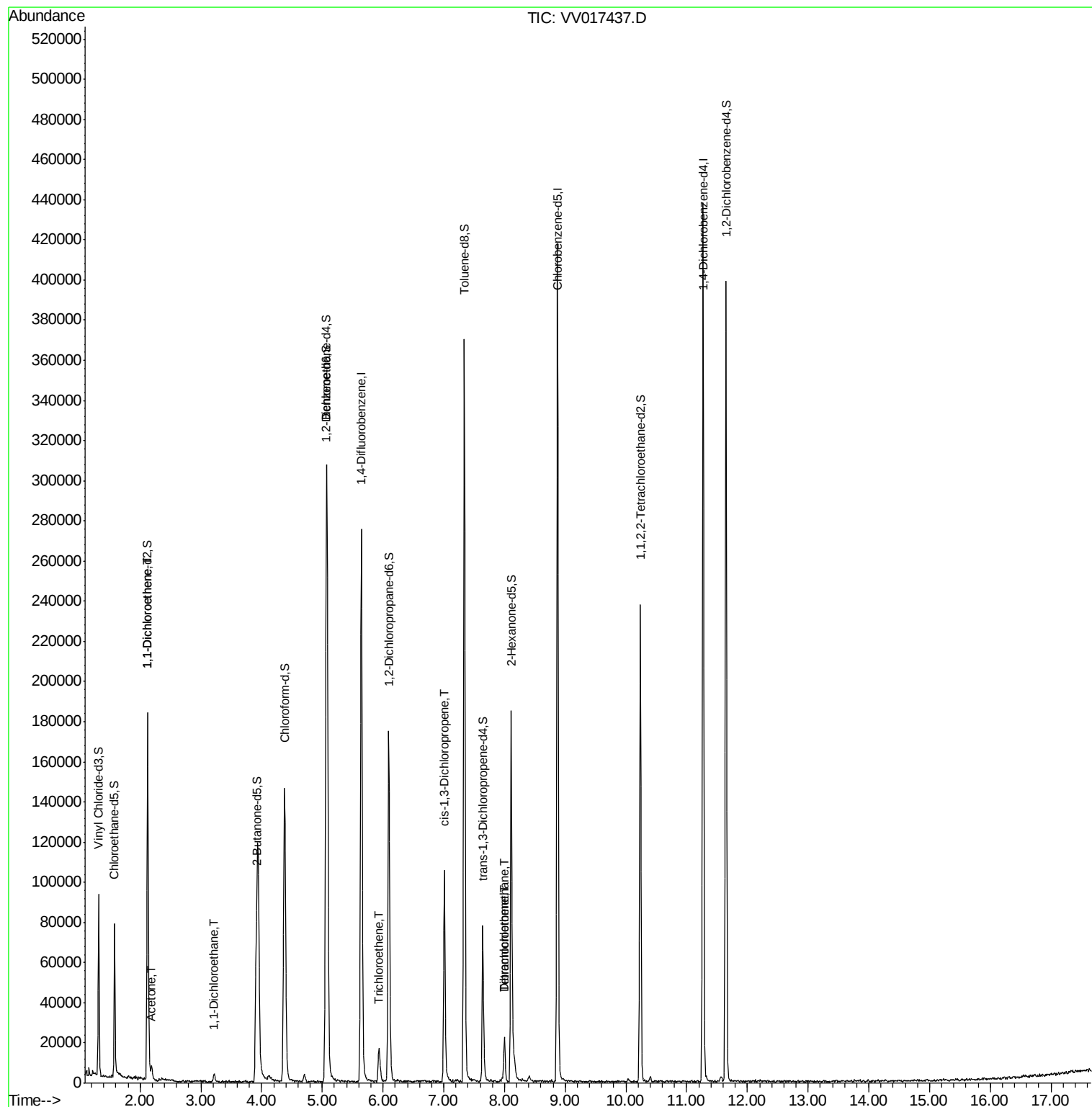
|                             |      |     |      |              | Ovalue |
|-----------------------------|------|-----|------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.12 | 96  | 1095 | 0.796 ug/L # | 1      |
| 13) Acetone                 | 2.19 | 43  | 8340 | 7.522 ug/L   | 100    |
| 19) 1,1-Dichloroethane      | 3.22 | 63  | 3698 | 1.344 ug/L   | 96     |
| 34) Trichloroethene         | 5.94 | 95  | 1982 | 1.153 ug/L   | 80     |
| 39) cis-1,3-Dichloropropene | 7.01 | 75  | 2930 | 1.215 ug/L   | 98     |
| 46) Tetrachloroethene       | 8.00 | 164 | 5359 | 3.714 ug/L   | 84     |
| 49) Dibromochloromethane    | 8.00 | 129 | 4537 | 2.368 ug/L # | 10     |

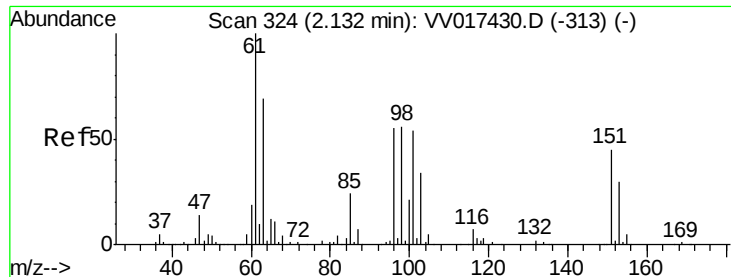
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
ClientSampleId :

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM070820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jul 11 00:23:19 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.796 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017437.D

Acq: 10 Jul 2020 14:10

Instrument :  
MSVOA\_V  
ClientSampled :

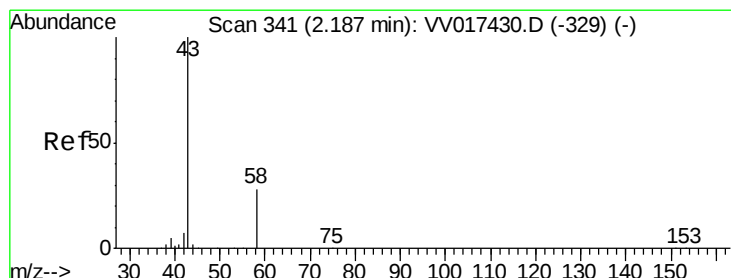
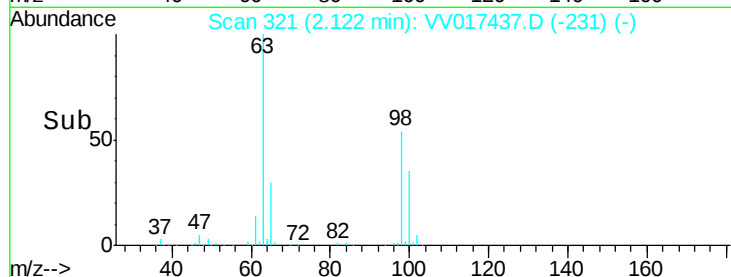
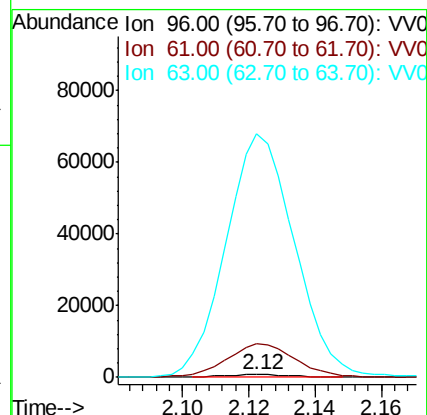
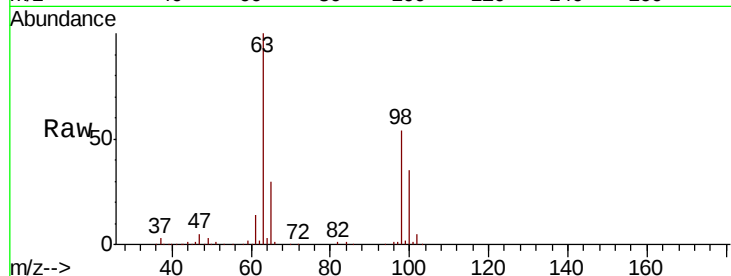
Tot Ion: 96 Resp: 1095

Ion Ratio Lower Upper

96 100

61 1202.6 132.7 246.4#

63 8772.1 103.3 191.8#



#13

Acetone

Concen: 7.522 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017437.D

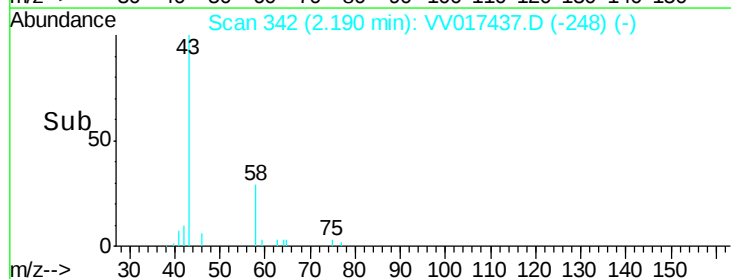
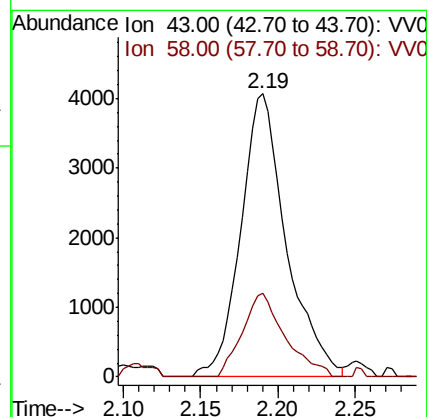
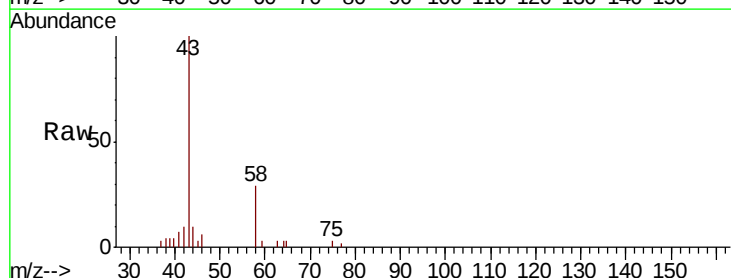
Acq: 10 Jul 2020 14:10

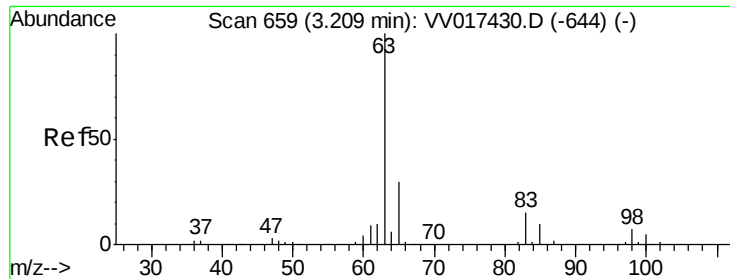
Tgt Ion: 43 Resp: 8340

Ion Ratio Lower Upper

43 100

58 27.8 0.0 56.0

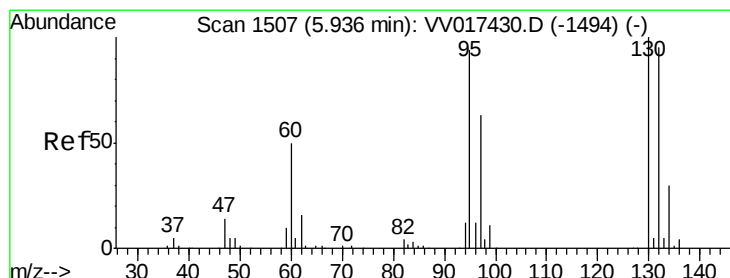
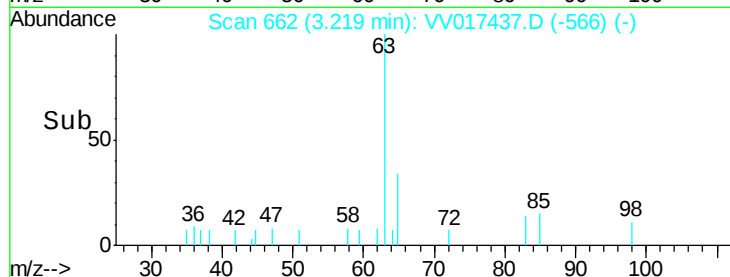
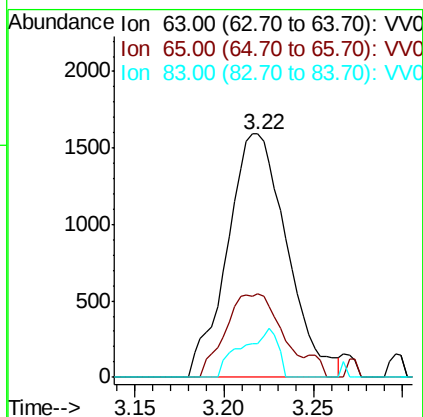
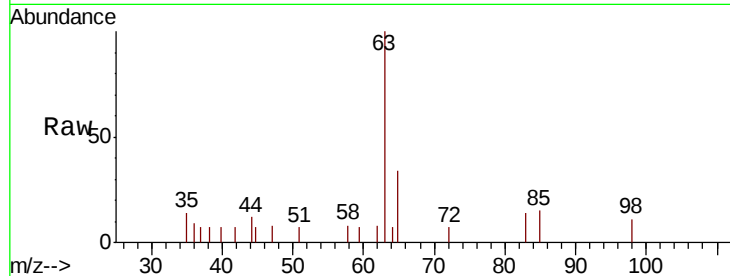




#19  
1,1-Dichloroethane  
Concen: 1.344 ug/L  
RT: 3.22 min Scan# 662  
Delta R.T. 0.01 min  
Lab File: VV017437.D  
Acq: 10 Jul 2020 14:10

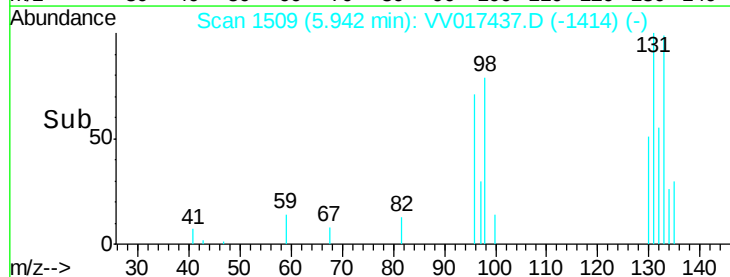
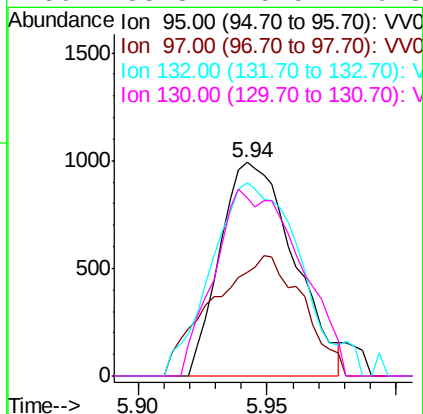
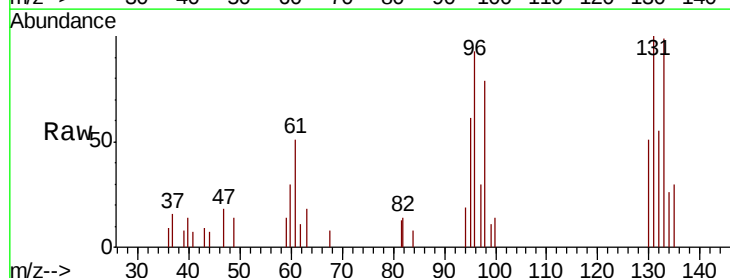
Instrument :  
MSVOA\_V  
ClientSampleId :

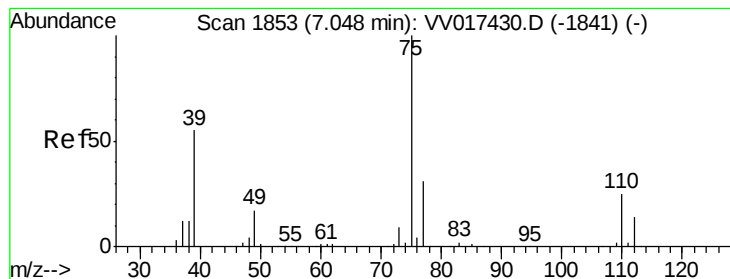
Tot Ion: 63 Resp: 3698  
Ion Ratio Lower Upper  
63 100  
65 34.3 22.1 41.1  
83 13.9 10.1 18.9



#34  
Trichloroethene  
Concen: 1.153 ug/L  
RT: 5.94 min Scan# 1509  
Delta R.T. 0.01 min  
Lab File: VV017437.D  
Acq: 10 Jul 2020 14:10

Tgt Ion: 95 Resp: 1982  
Ion Ratio Lower Upper  
95 100  
97 48.4 45.6 84.6  
132 90.7 74.1 137.5  
130 83.3 75.5 140.3



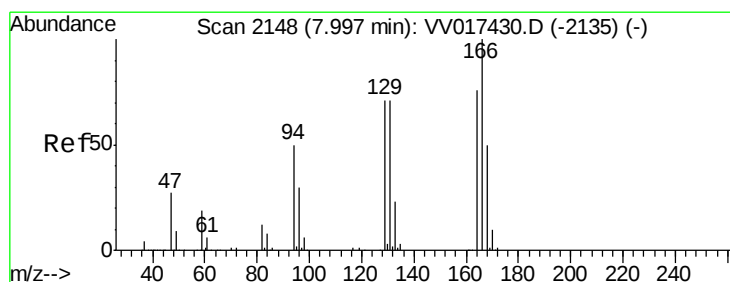
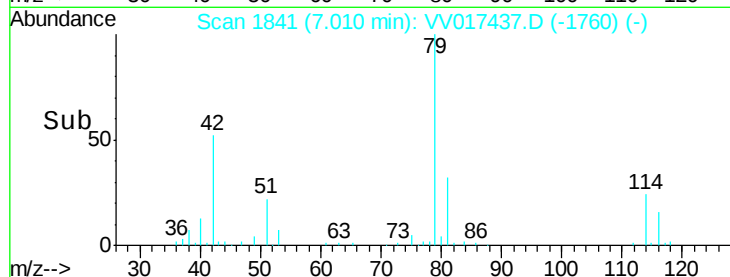
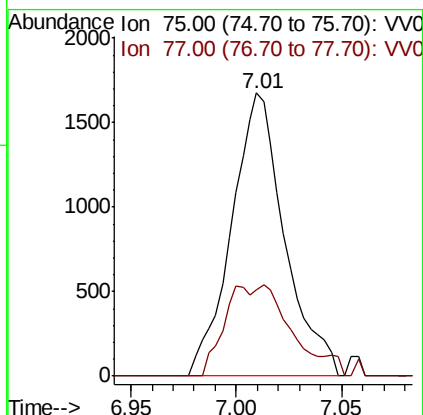
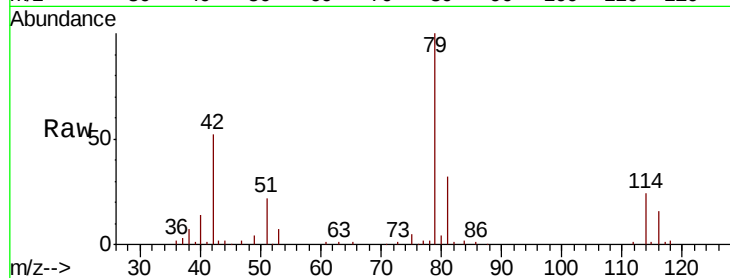


#39

cis-1,3-Dichloropropene  
Concen: 1.215 ug/L  
RT: 7.01 min Scan# 1841  
Delta R.T. -0.04 min  
Lab File: VV017437.D  
Acq: 10 Jul 2020 14:10

Instrument :  
MSVOA\_V  
ClientSampleId :

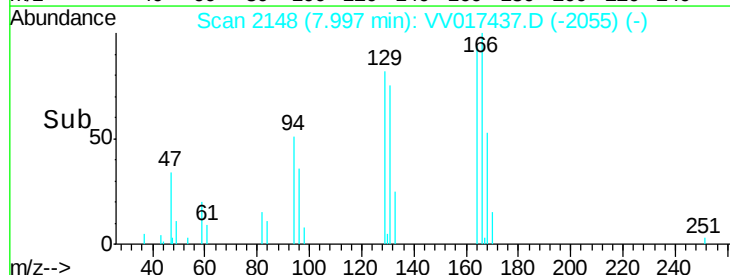
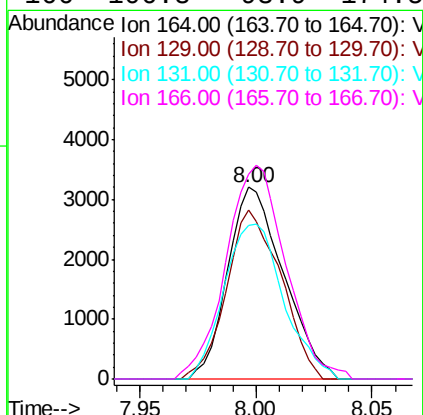
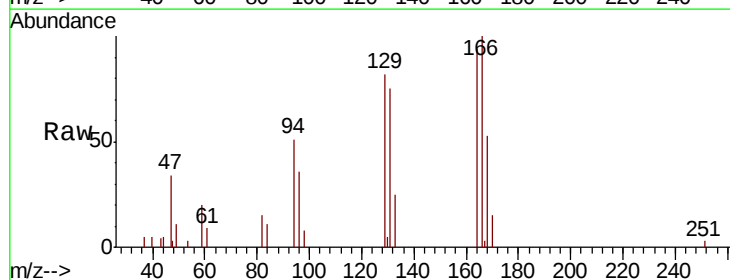
Tot Ion: 75 Resp: 2930  
Ion Ratio Lower Upper  
75 100  
77 30.5 22.2 41.2

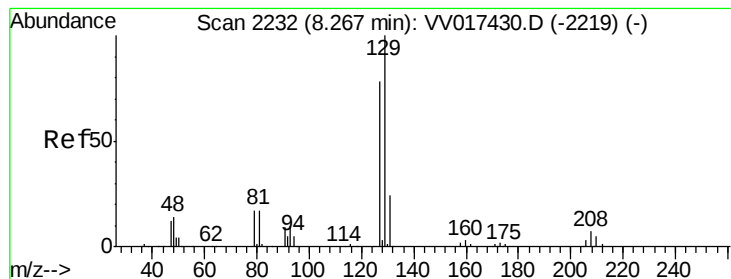


#46

Tetrachloroethene  
Concen: 3.714 ug/L  
RT: 8.00 min Scan# 2148  
Delta R.T. -0.00 min  
Lab File: VV017437.D  
Acq: 10 Jul 2020 14:10

Tgt Ion: 164 Resp: 5359  
Ion Ratio Lower Upper  
164 100  
129 88.0 66.6 123.8  
131 80.3 65.5 121.7  
166 106.8 93.9 174.5





#49

Dibromochloromethane

Concen: 2.368 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017437.D

Acq: 10 Jul 2020 14:10

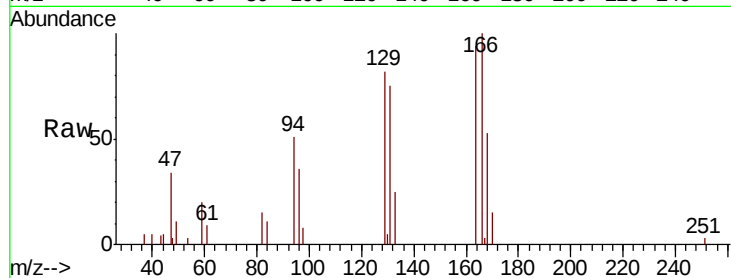
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:129 Resp: 4537

Ion Ratio Lower Upper

129 100

127 0.0 54.6 101.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

