

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\  
 Data File : VV017056.D  
 Acq On : 23 Jun 2020 15:22  
 Operator : SY/MD  
 Sample : VIBLK50  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK50

Quant Time: Jun 24 05:05:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jun 24 05:01:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 174697   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 171608   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 80964    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 42992    | 4.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 35412    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 68396    | 3.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.60%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 129559   | 48.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.96%  |
| 24) Chloroform-d               | 4.38   | 84    | 99076    | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 60398    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.60% |
| 32) Benzene-d6                 | 5.07   | 84    | 206553   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 63143    | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.80%  |
| 41) Toluene-d8                 | 7.34   | 98    | 184207   | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.20%  |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 24242    | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.40%  |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 81407    | 38.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 76.98%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 42423    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.80%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 74163    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.20%  |

## Target Compounds

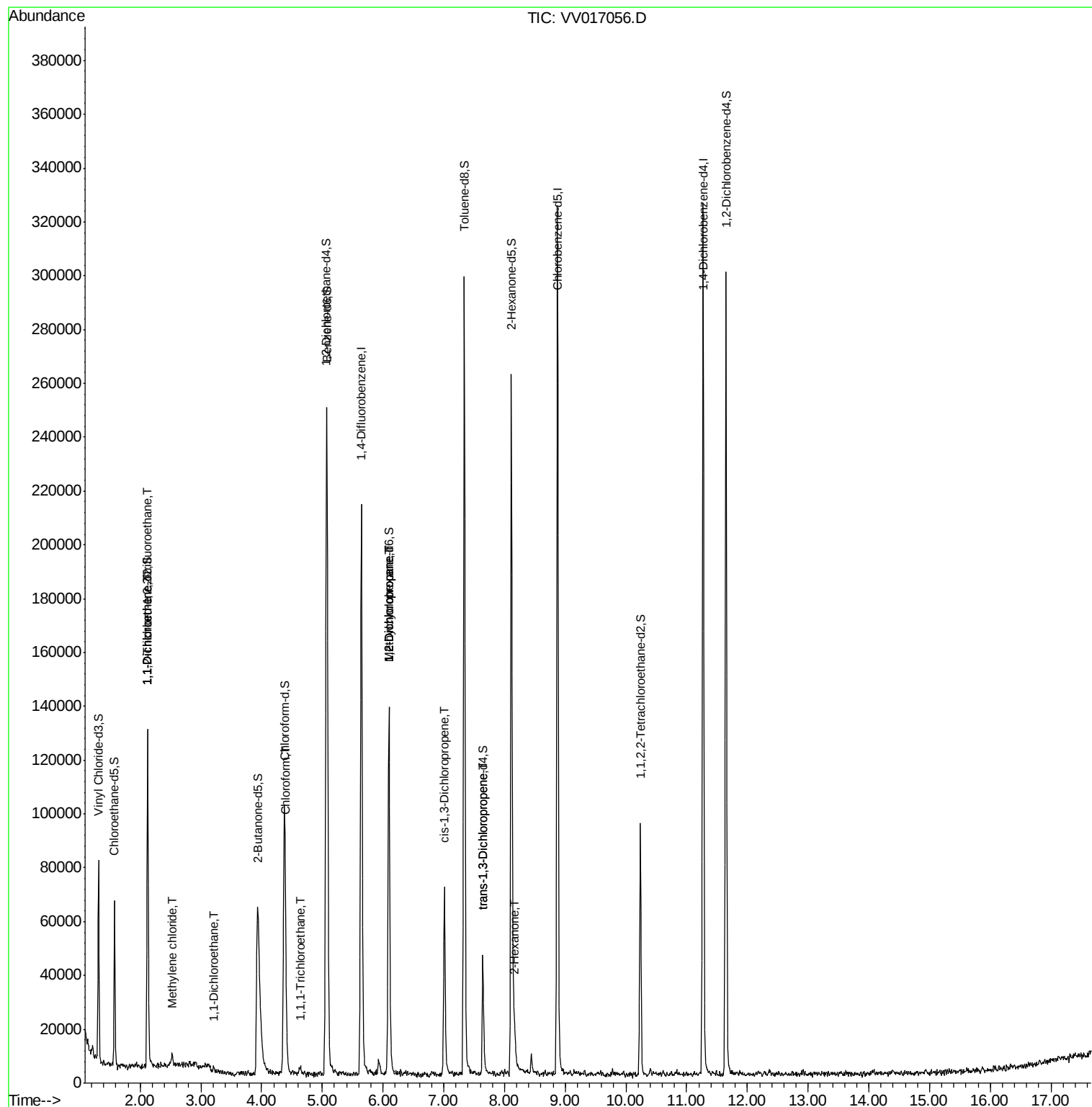
| Target Compounds               | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101  | 678      | 0.073 | ug/L # | 19     |
| 12) 1,1-Dichloroethene         | 2.13 | 96   | 839      | 0.100 | ug/L # | 1      |
| 16) Methylene chloride         | 2.52 | 84   | 1842     | 0.205 | ug/L   | 88     |
| 19) 1,1-Dichloroethane         | 3.21 | 63   | 1494     | 0.075 | ug/L # | 86     |
| 25) Chloroform                 | 4.40 | 83   | 12115    | 0.556 | ug/L   | 93     |
| 29) 1,1,1-Trichloroethane      | 4.64 | 97   | 2181     | 0.106 | ug/L # | 90     |
| 35) Methylcyclohexane          | 6.09 | 83   | 15747    | 0.770 | ug/L # | 18     |
| 37) 1,2-Dichloropropane        | 6.10 | 63   | 8046     | 0.723 | ug/L # | 85     |
| 39) cis-1,3-Dichloropropene    | 7.01 | 75   | 2116     | 0.128 | ug/L # | 81     |
| 46) trans-1,3-Dichloropropene  | 7.64 | 75   | 1427     | 0.100 | ug/L   | 93     |
| 50) 2-Hexanone                 | 8.17 | 43   | 6938     | 1.518 | ug/L # | 52     |

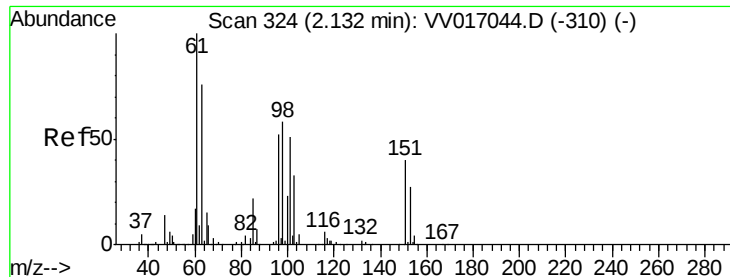
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV062320\  
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Sample : VIBLK50  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK50

Quant Time: Jun 24 05:05:55 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jun 24 05:01:54 2020  
Response via : Initial Calibration





#10

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

Concen: 0.073 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017056.D

Acq: 23 Jun 2020 15:22

Instrument :

MSVOA\_V

ClientSampleId :

VIBLK50

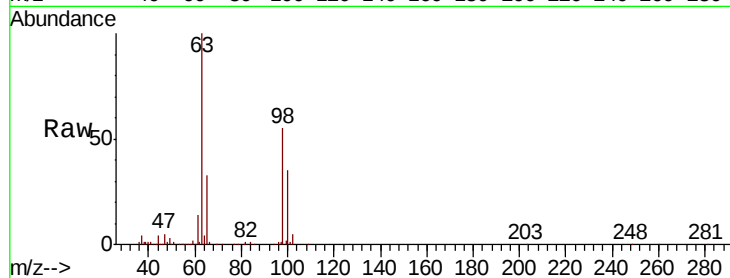
Tot Ion:101 Resp: 678

Ion Ratio Lower Upper

101 100

85 3.4 35.4 53.2#

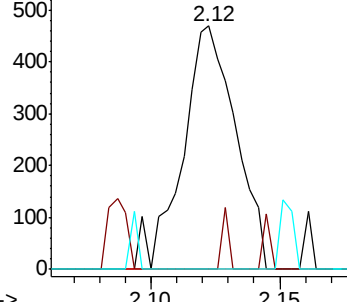
151 0.0 63.9 95.9#



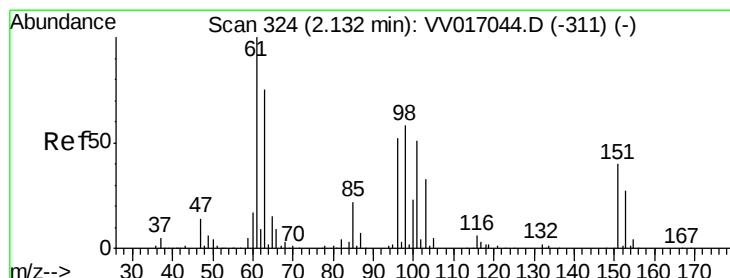
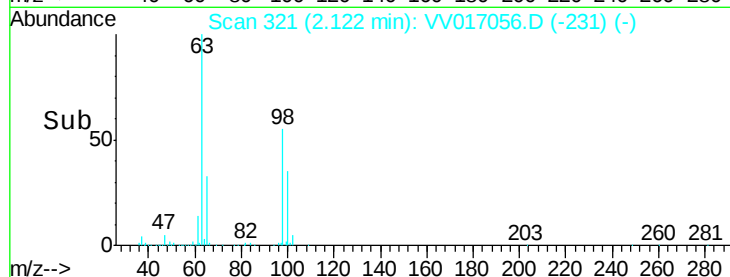
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.100 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017056.D

Acq: 23 Jun 2020 15:22

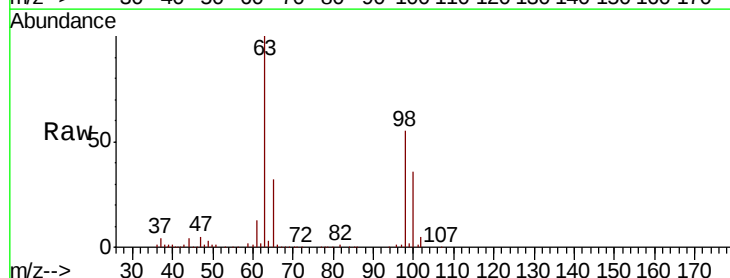
Tgt Ion: 96 Resp: 839

Ion Ratio Lower Upper

96 100

61 1006.5 125.0 232.2#

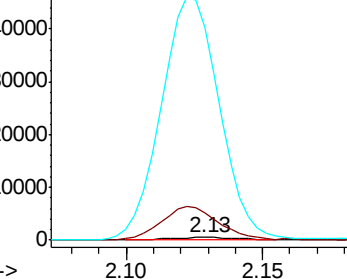
63 7691.0 109.8 203.8#



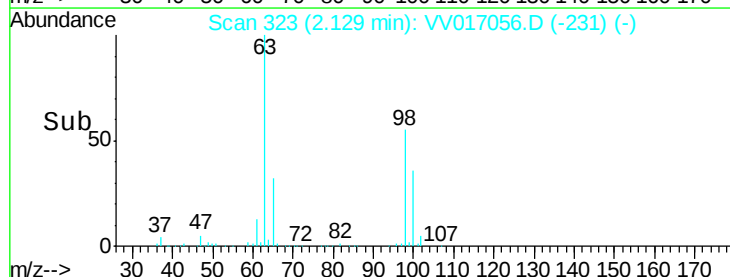
Abundance Ion 96.00 (95.70 to 96.70): VV0

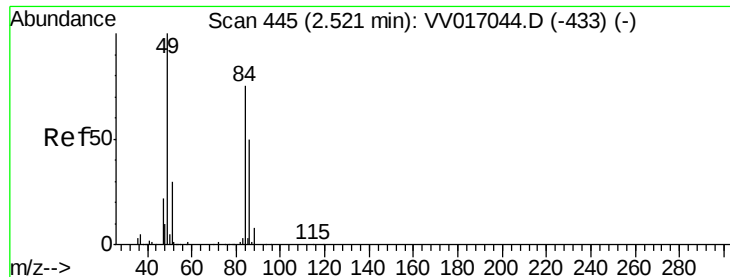
Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



Time-->

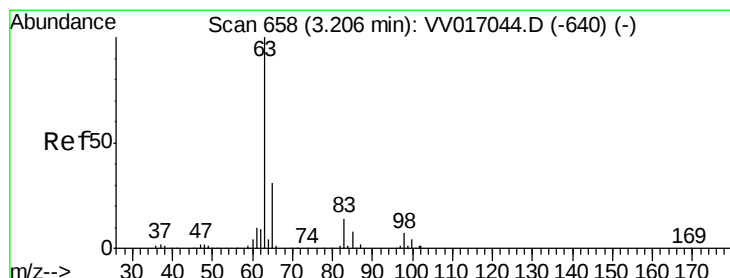
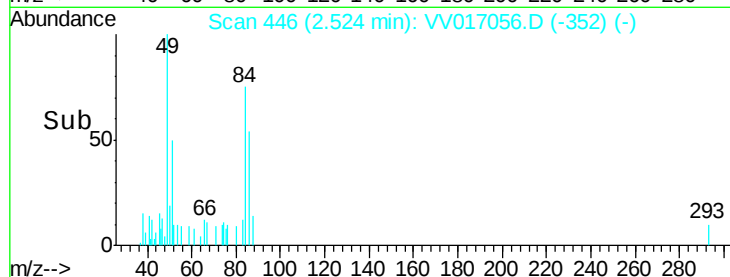
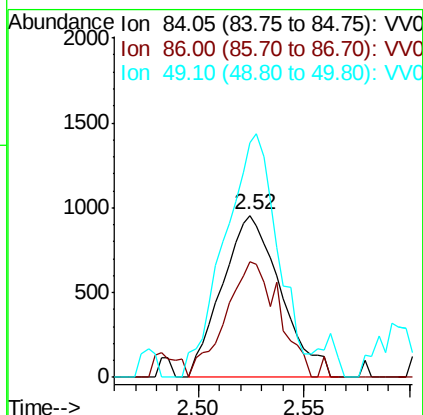
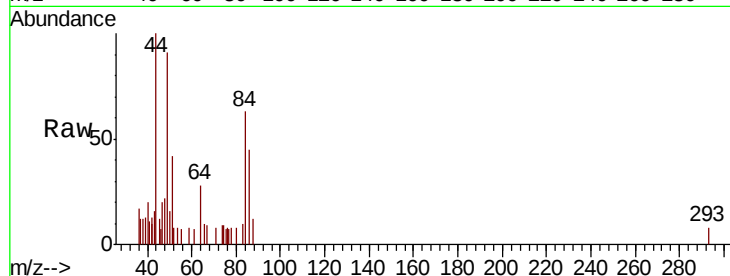




#16  
Methylene chloride  
Concen: 0.205 ug/L  
RT: 2.52 min Scan# 446  
Delta R.T. 0.00 min  
Lab File: VV017056.D  
Acq: 23 Jun 2020 15:22

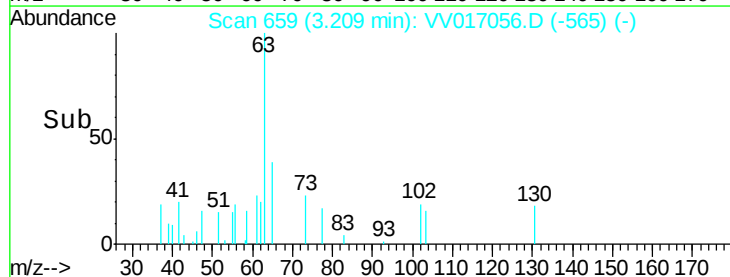
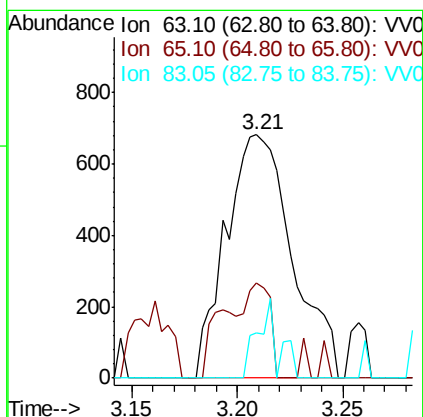
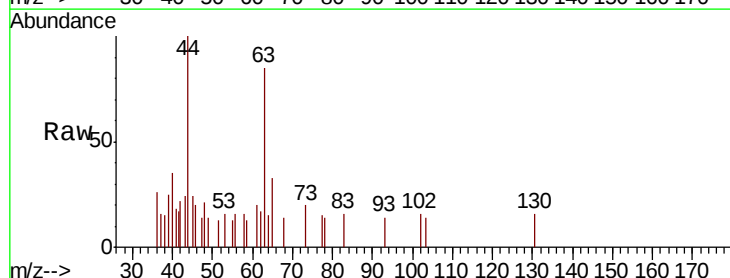
Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK50

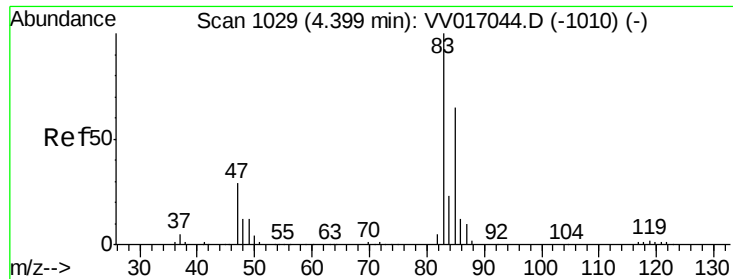
Tot Ion: 84 Resp: 1842  
Ion Ratio Lower Upper  
84 100  
86 71.4 45.8 85.0  
49 144.7 89.6 166.4



#19  
1,1-Dichloroethane  
Concen: 0.075 ug/L  
RT: 3.21 min Scan# 659  
Delta R.T. 0.00 min  
Lab File: VV017056.D  
Acq: 23 Jun 2020 15:22

Tgt Ion: 63 Resp: 1494  
Ion Ratio Lower Upper  
63 100  
65 39.0 21.8 40.4  
83 18.8 9.7 17.9#

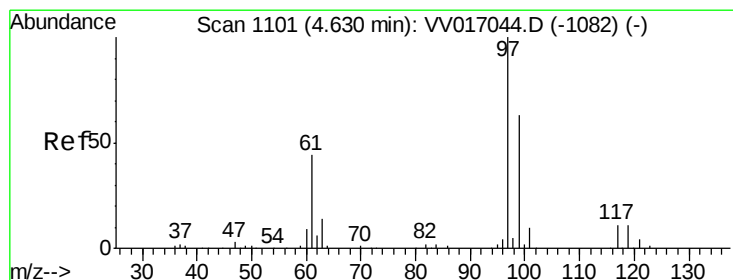
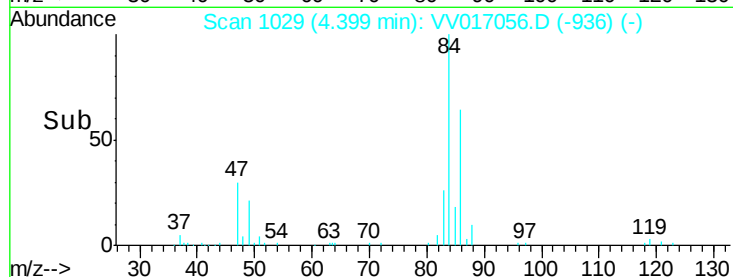
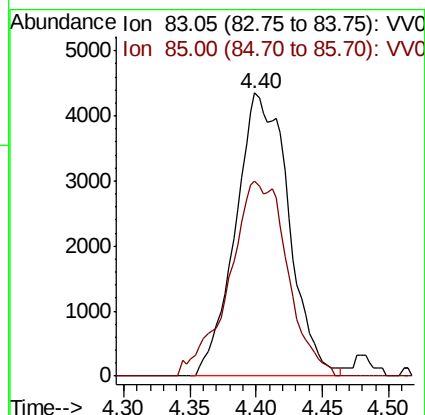
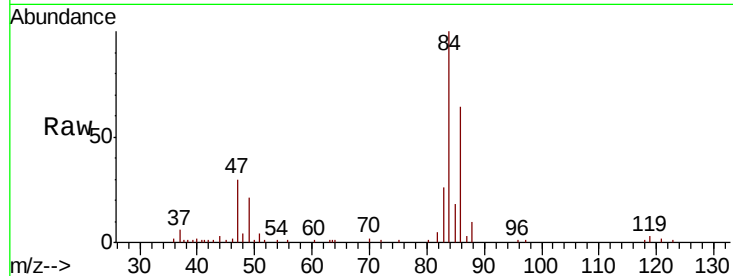




#25  
Chloroform  
Concen: 0.556 ug/L  
RT: 4.40 min Scan# 1029  
Delta R.T. -0.00 min  
Lab File: VV017056.D  
Acq: 23 Jun 2020 15:22

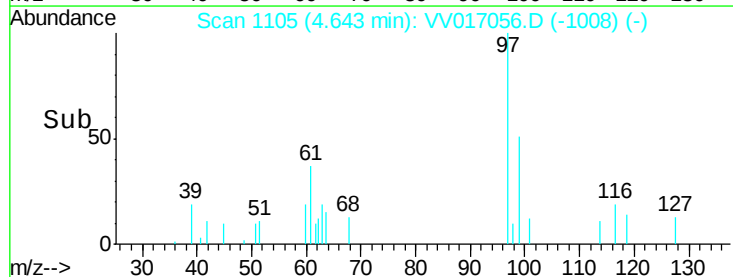
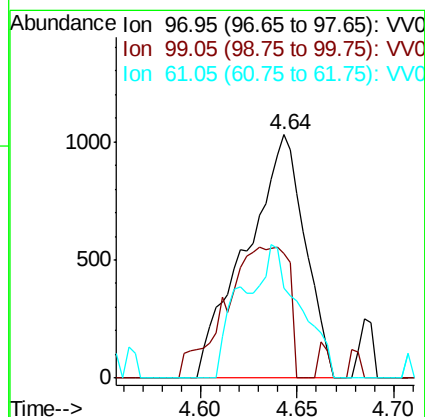
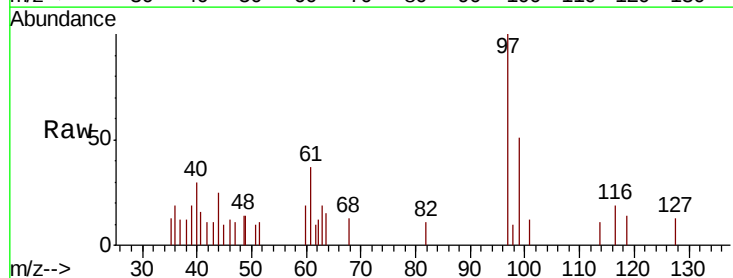
Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK50

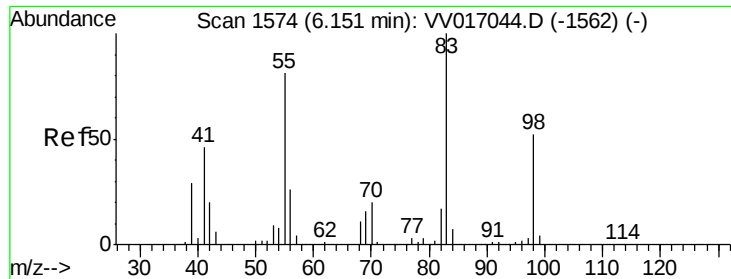
Tot Ion: 83 Resp: 12115  
Ion Ratio Lower Upper  
83 100  
85 68.8 44.2 82.2



#29  
1,1,1-Trichloroethane  
Concen: 0.106 ug/L  
RT: 4.64 min Scan# 1105  
Delta R.T. 0.01 min  
Lab File: VV017056.D  
Acq: 23 Jun 2020 15:22

Tgt Ion: 97 Resp: 2181  
Ion Ratio Lower Upper  
97 100  
99 57.8 50.3 75.5  
61 35.9 36.0 54.0#

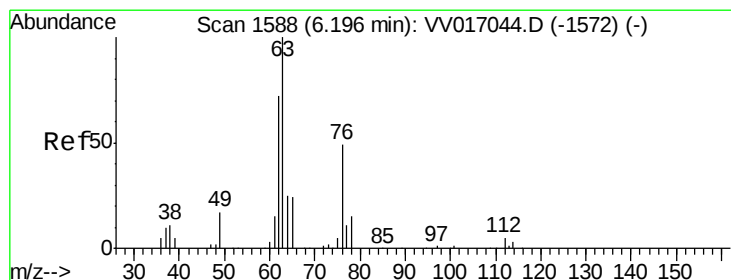
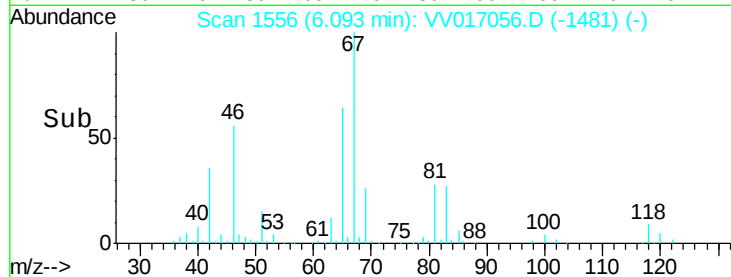
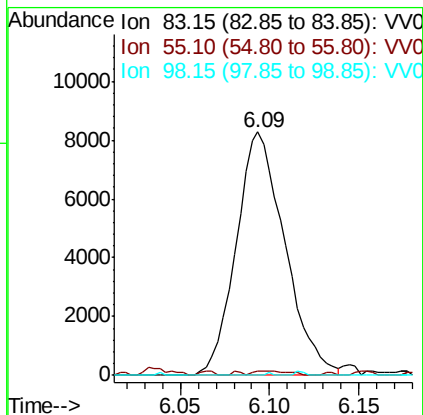
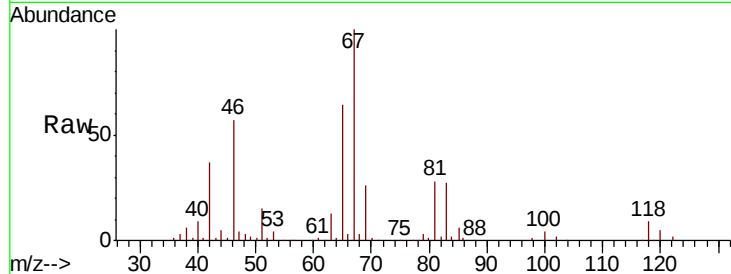




#35  
Methvlcvclohexane  
Concen: 0.770 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.06 min  
Lab File: VV017056.D  
Acq: 23 Jun 2020 15:22

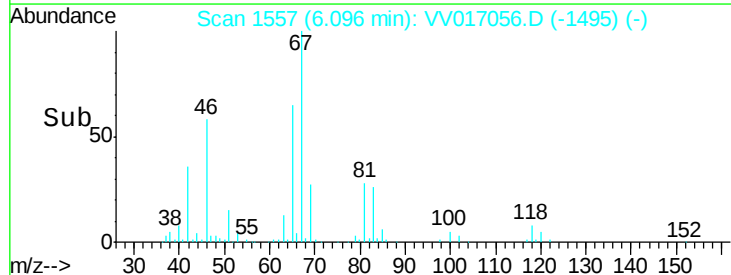
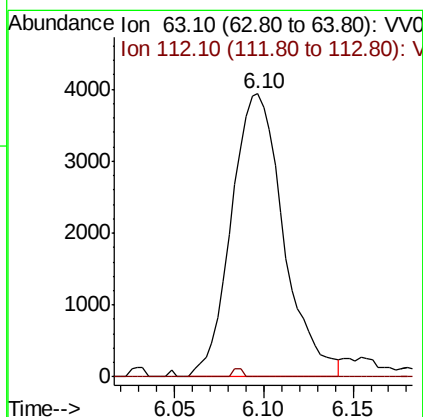
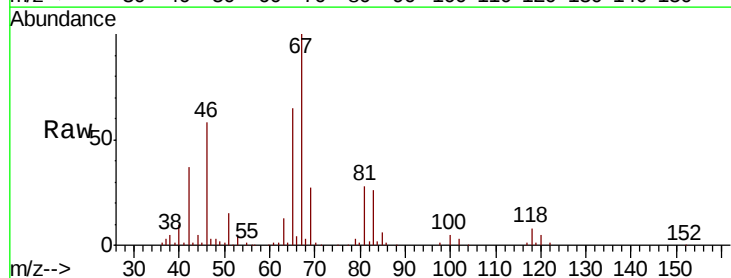
Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK50

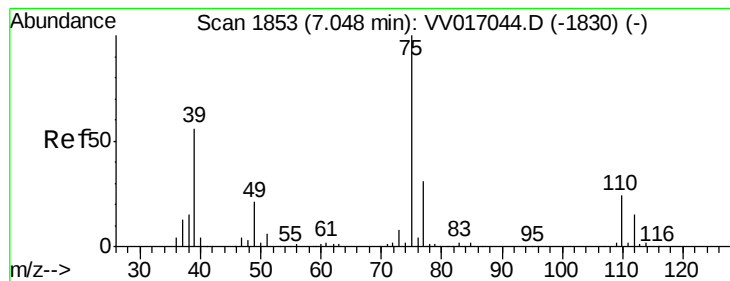
Tot Ion: 83 Resp: 15747  
Ion Ratio Lower Upper  
83 100  
55 1.3 63.6 95.4#  
98 0.1 38.8 58.2#



#37  
1,2-Dichloropropane  
Concen: 0.723 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.10 min  
Lab File: VV017056.D  
Acq: 23 Jun 2020 15:22

Tgt Ion: 63 Resp: 8046  
Ion Ratio Lower Upper  
63 100  
112 0.5 4.4 6.6#



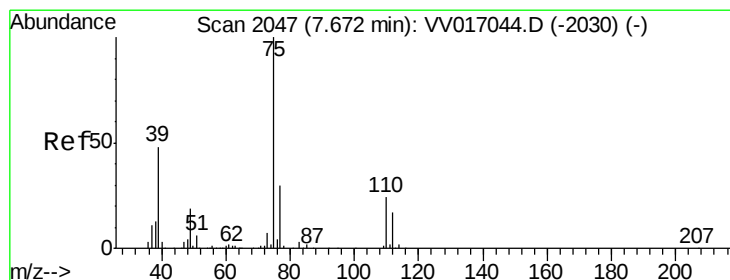
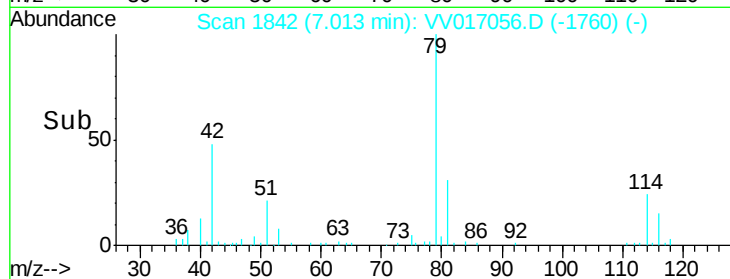
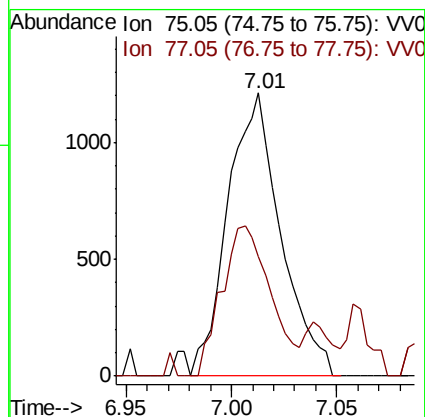
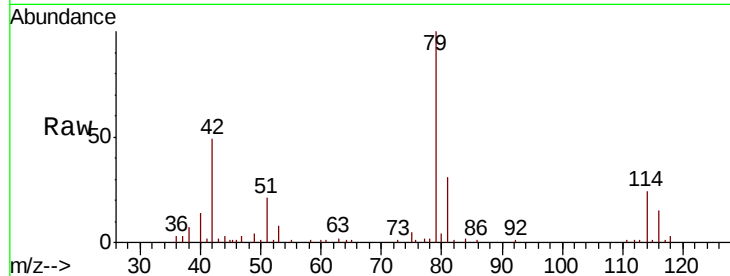


#39

cis-1,3-Dichloropropene  
Concen: 0.128 ug/L  
RT: 7.01 min Scan# 1842  
Delta R.T. -0.04 min  
Lab File: VV017056.D  
Acq: 23 Jun 2020 15:22

Instrument :  
MSVOA\_V  
ClientSampled :  
VIBLK50

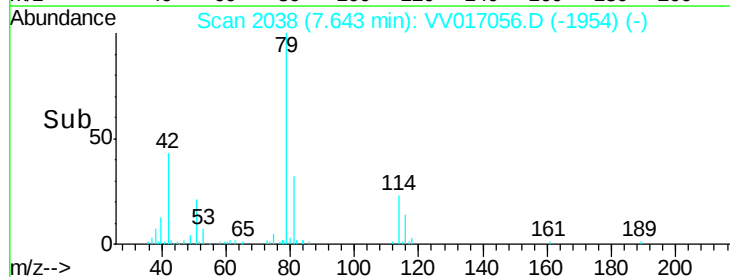
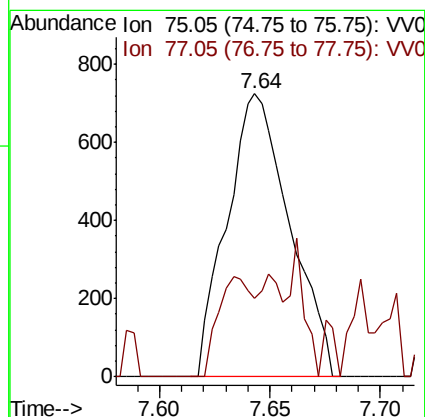
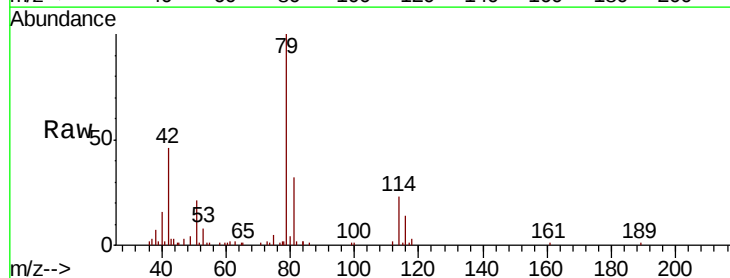
Tot Ion: 75 Resp: 2116  
Ion Ratio Lower Upper  
75 100  
77 42.4 22.3 41.5#

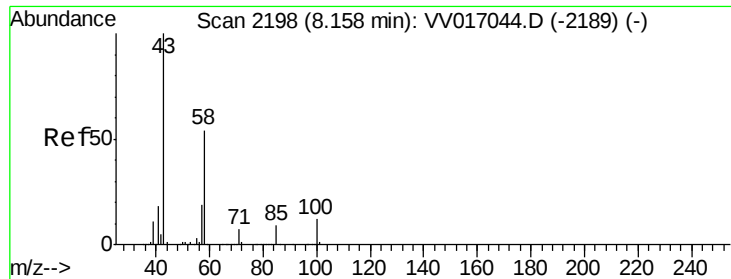


#46

trans-1,3-Dichloropropene  
Concen: 0.100 ug/L  
RT: 7.64 min Scan# 2038  
Delta R.T. -0.03 min  
Lab File: VV017056.D  
Acq: 23 Jun 2020 15:22

Tgt Ion: 75 Resp: 1427  
Ion Ratio Lower Upper  
75 100  
77 27.9 22.3 41.3





#50  
 2-Hexanone  
 Concen: 1.518 ug/L  
 RT: 8.17 min Scan# 2202  
 Delta R.T. 0.01 min  
 Lab File: VV017056.D  
 Acq: 23 Jun 2020 15:22

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK50

Tot Ion: 43 Resp: 6938  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 41.6 62.4#  
 57 19.4 15.4 23.0  
 100 6.7 10.1 15.1#

