

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV062118\  
 Data File : VV006388.D  
 Acq On : 21 Jun 2018 12:29  
 Operator : SY/MD  
 Sample : J3513-15DL 4X  
 Misc : 25 mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0KF1DL

Quant Time: Jun 22 01:25:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053118WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 22 01:25:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 386453   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 350471   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 156650   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

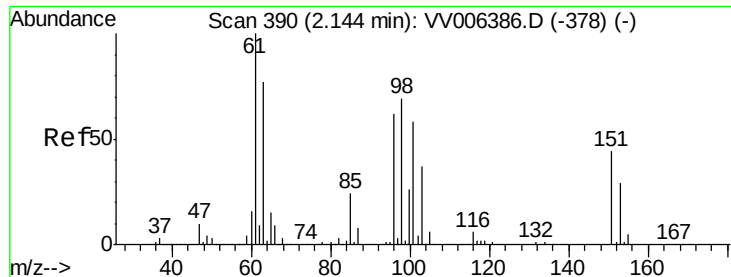
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 84550    | 4.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 80.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 73319    | 4.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 86.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 123488   | 3.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.20%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 235911   | 52.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.28% |
| 24) Chloroform-d               | 4.41   | 84    | 173286   | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 86728    | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.80%  |
| 32) Benzene-d6                 | 5.10   | 84    | 363629   | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 112722   | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.00%  |
| 41) Toluene-d8                 | 7.36   | 98    | 319679   | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 34936    | 3.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 61.60%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 177584   | 36.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 72.60%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 68556    | 3.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 74.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 120329   | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 88.60%  |

## Target Compounds

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 12) 1,1-Dichloroethene         | 2.15  | 96   | 10359    | 0.467 | ug/L # | 1      |
| 13) Acetone                    | 2.21  | 43   | 4868     | 2.005 | ug/L   | 87     |
| 16) Methylene chloride         | 2.54  | 84   | 8323     | 0.340 | ug/L   | 97     |
| 21) 2-Butanone                 | 4.04  | 43   | 5125     | 1.160 | ug/L   | 91     |
| 22) cis-1,2-Dichloroethene     | 3.97  | 96   | 11948    | 0.456 | ug/L # | 98     |
| 34) Trichloroethene            | 5.96  | 95   | 149122   | 5.654 | ug/L   | 97     |
| 35) Methylcyclohexane          | 6.12  | 83   | 28178    | 0.622 | ug/L # | 19     |
| 37) 1,2-Dichloropropane        | 6.12  | 63   | 11699    | 0.505 | ug/L # | 85     |
| 48) 2-Hexanone                 | 8.19  | 43   | 25201    | 2.995 | ug/L # | 83     |
| 66) 1,2-Dibromo-3-chloropropan | 12.30 | 75   | 887      | 0.296 | ug/L # | 1      |

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

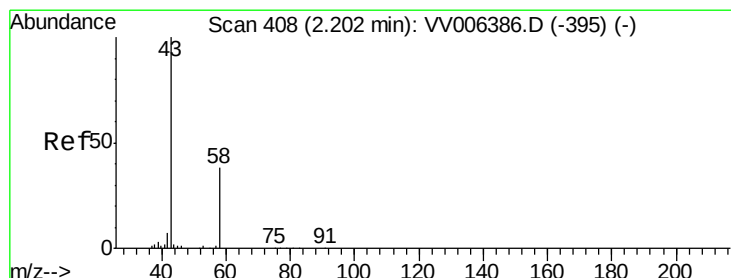
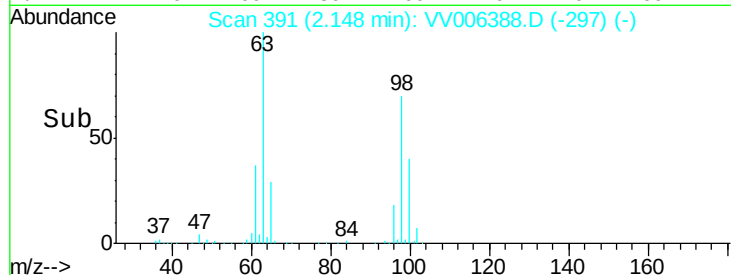
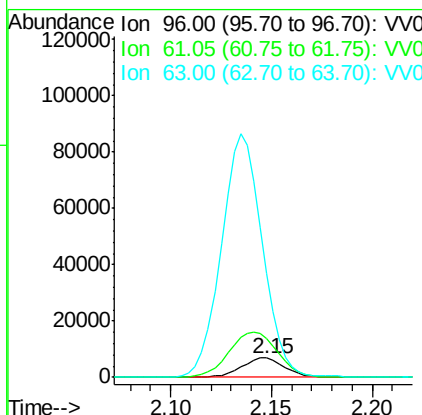
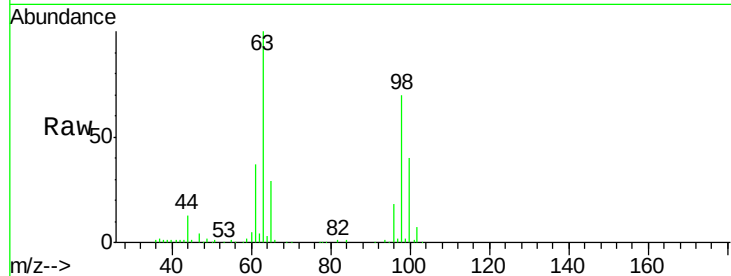




#12  
 1,1-Dichloroethene  
 Concen: 0.467 ug/L  
 RT: 2.15 min Scan# 391  
 Delta R.T. 0.00 min  
 Lab File: VV006388.D  
 Acq: 21 Jun 2018 12:29

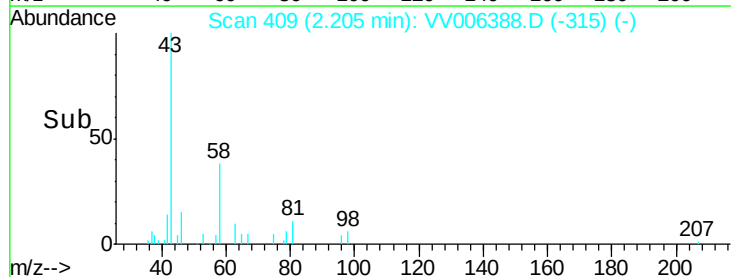
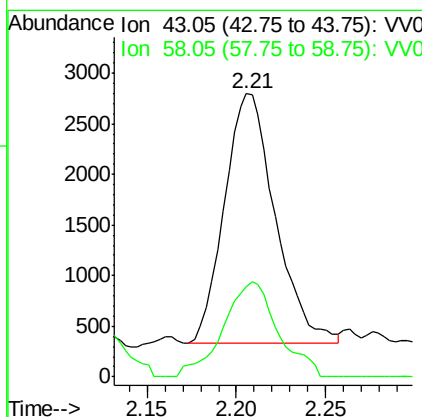
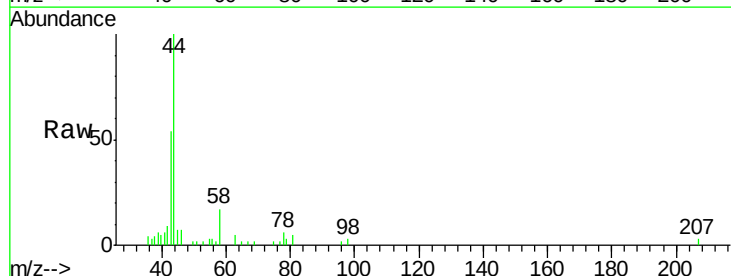
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0KF1DL

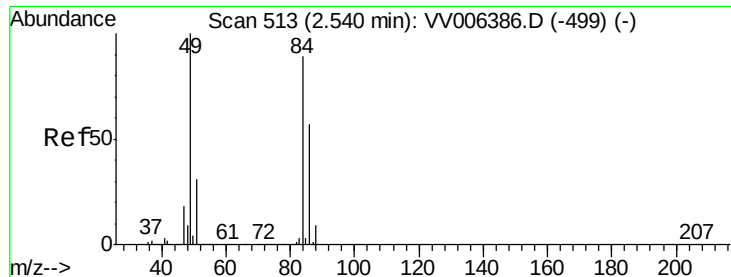
| Tgt Ion | Resp  | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 10359 |       |        |
| 96      | 100   |       |        |
| 61      | 201.1 | 114.2 | 212.2  |
| 63      | 540.9 | 85.0  | 157.8# |



#13  
 Acetone  
 Concen: 2.005 ug/L  
 RT: 2.21 min Scan# 409  
 Delta R.T. 0.00 min  
 Lab File: VV006388.D  
 Acq: 21 Jun 2018 12:29

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43      | 4868 |       |       |
| 43      | 100  |       |       |
| 58      | 41.2 | 0.0   | 67.4  |

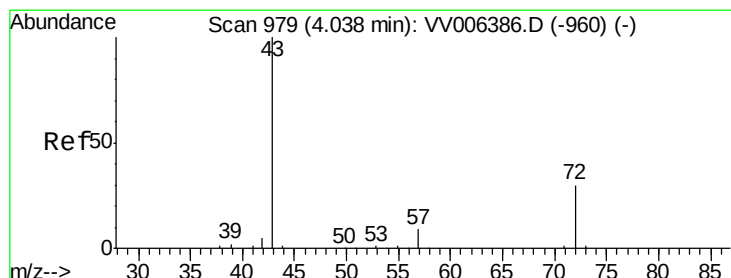
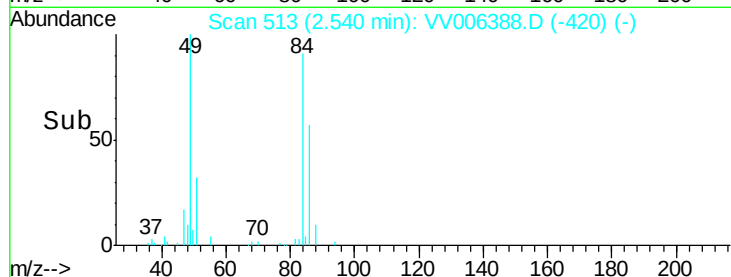
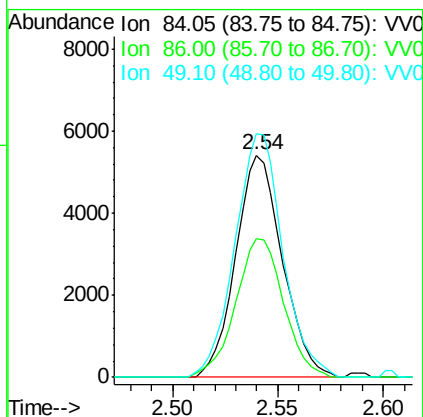
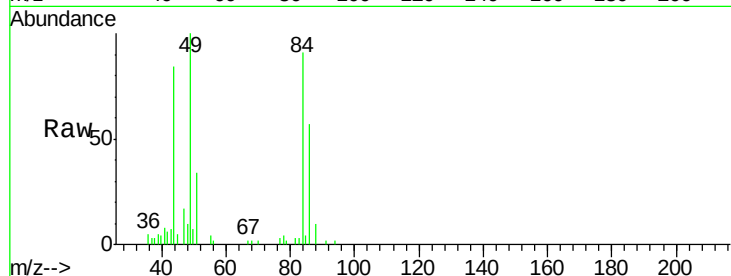




#16  
Methylene chloride  
Concen: 0.340 ug/L  
RT: 2.54 min Scan# 513  
Delta R.T. 0.00 min  
Lab File: VV006388.D  
Acq: 21 Jun 2018 12:29

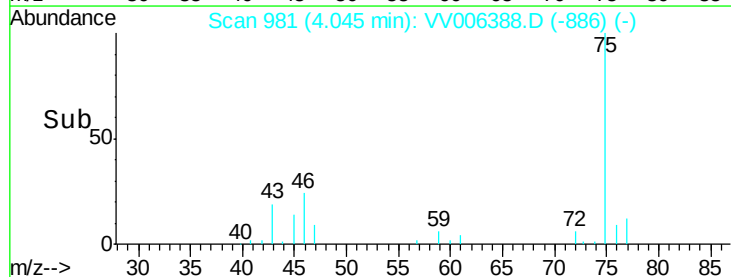
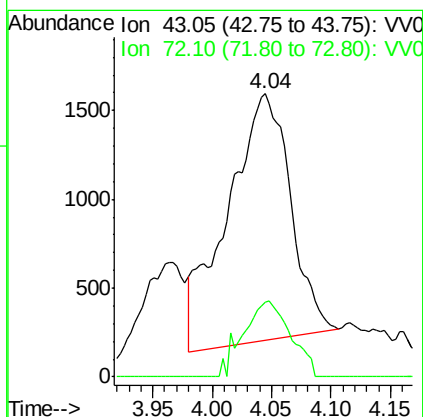
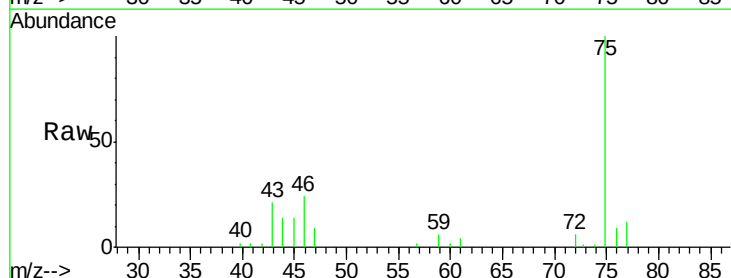
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0KF1DL

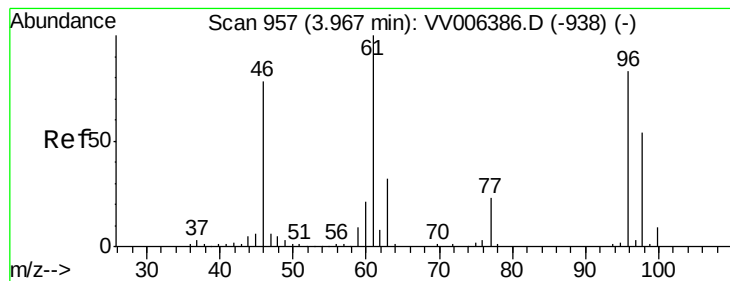
Tgt Ion: 84 Resp: 8323  
Ion Ratio Lower Upper  
84 100  
86 62.5 44.2 82.0  
49 116.9 78.8 146.4



#21  
2-Butanone  
Concen: 1.160 ug/L  
RT: 4.04 min Scan# 981  
Delta R.T. 0.01 min  
Lab File: VV006388.D  
Acq: 21 Jun 2018 12:29

Tgt Ion: 43 Resp: 5125  
Ion Ratio Lower Upper  
43 100  
72 22.9 13.8 41.3



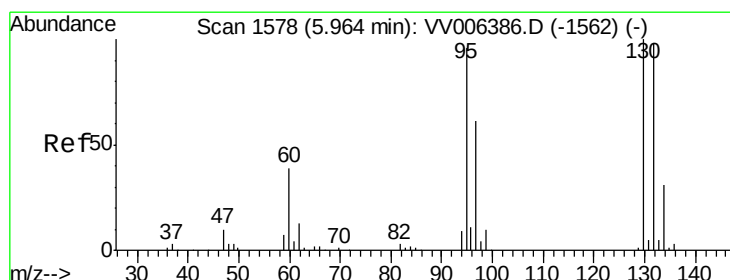
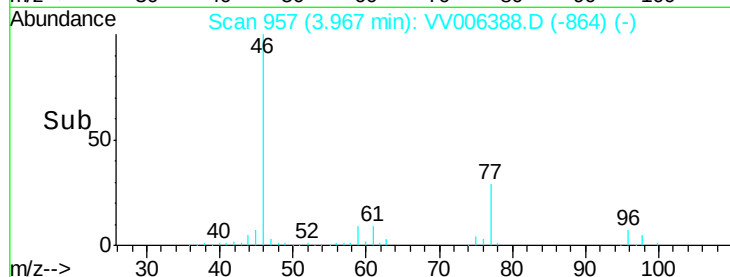
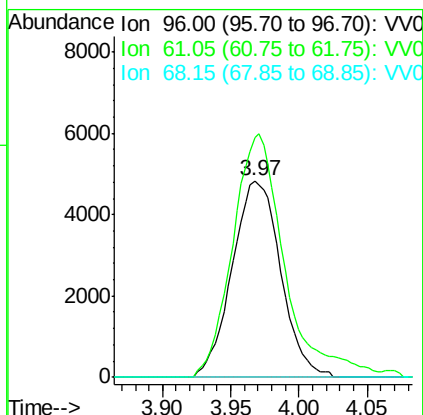
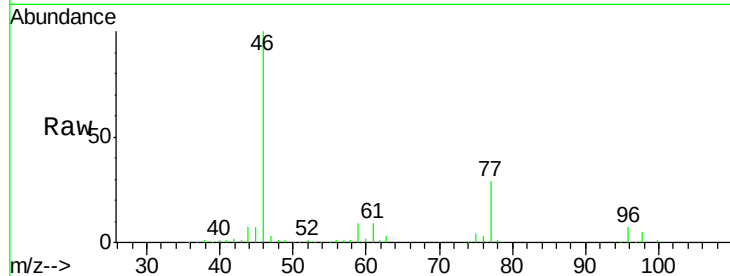


#22

cis-1,2-Dichloroethene  
Concen: 0.456 ug/L  
RT: 3.97 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: VV006388.D  
Acq: 21 Jun 2018 12:29

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0KF1DL

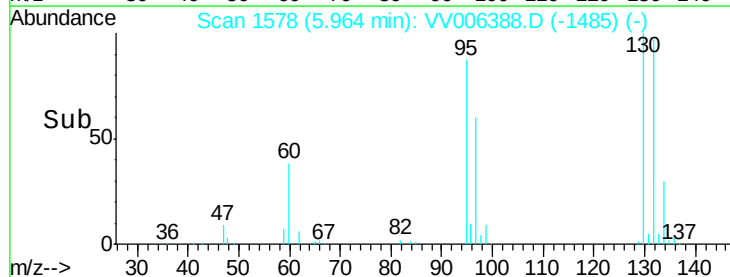
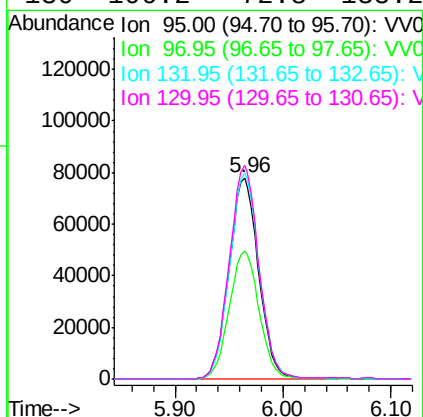
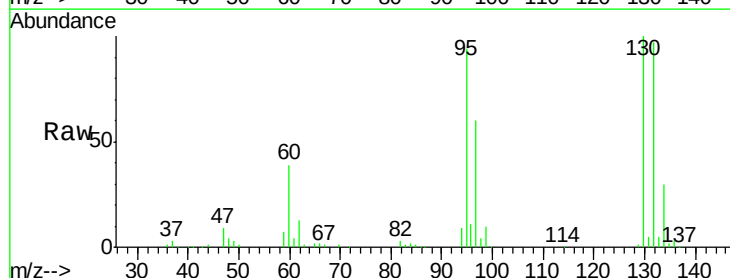
Tgt Ion: 96 Resp: 11948  
Ion Ratio Lower Upper  
96 100  
61 122.0 84.1 156.3  
68 0.0 0.3 0.5#

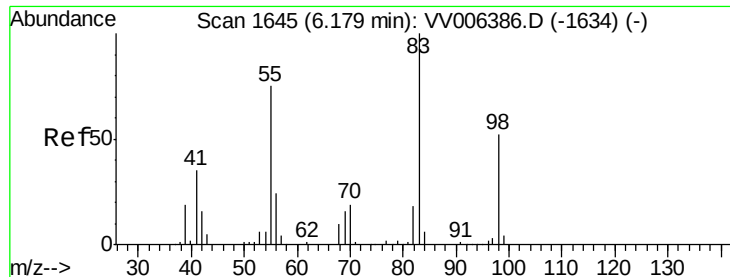


#34

Trichloroethene  
Concen: 5.654 ug/L  
RT: 5.96 min Scan# 1578  
Delta R.T. 0.00 min  
Lab File: VV006388.D  
Acq: 21 Jun 2018 12:29

Tgt Ion: 95 Resp: 149122  
Ion Ratio Lower Upper  
95 100  
97 63.7 45.1 83.9  
132 102.6 69.0 128.1  
130 106.2 72.8 135.2

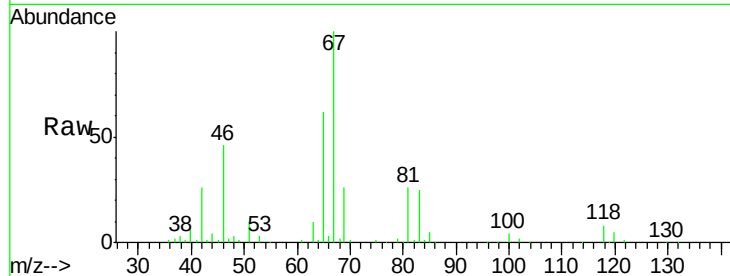




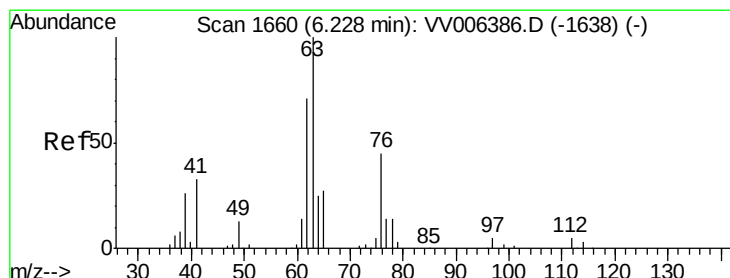
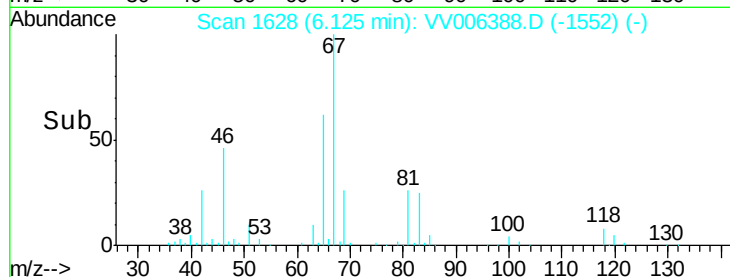
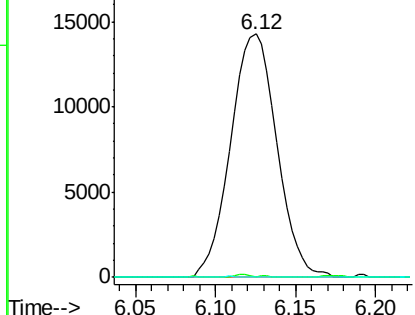
#35  
Methylcyclohexane  
Concen: 0.622 ug/L  
RT: 6.12 min Scan# 1628  
Delta R.T. -0.05 min  
Lab File: VV006388.D  
Acq: 21 Jun 2018 12:29

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0KF1DL

Tgt Ion: 83 Resp: 28178  
Ion Ratio Lower Upper  
83 100  
55 0.2 57.5 86.3#  
98 0.0 39.8 59.8#

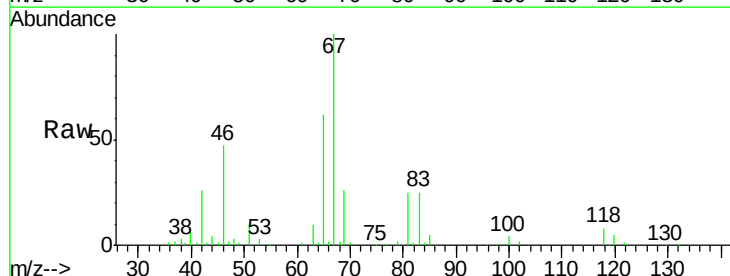


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

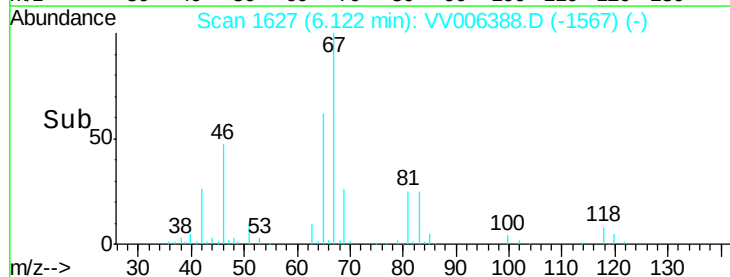
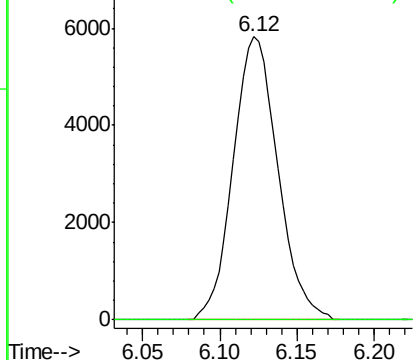


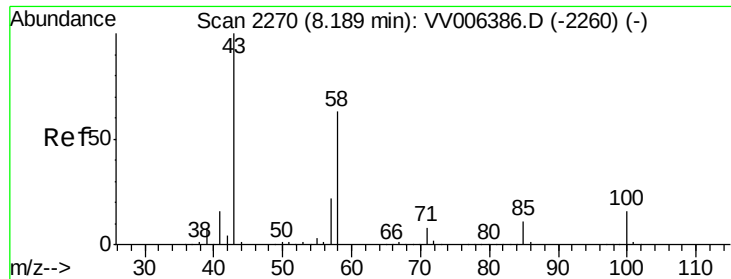
#37  
1,2-Dichloropropane  
Concen: 0.505 ug/L  
RT: 6.12 min Scan# 1627  
Delta R.T. -0.11 min  
Lab File: VV006388.D  
Acq: 21 Jun 2018 12:29

Tgt Ion: 63 Resp: 11699  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V

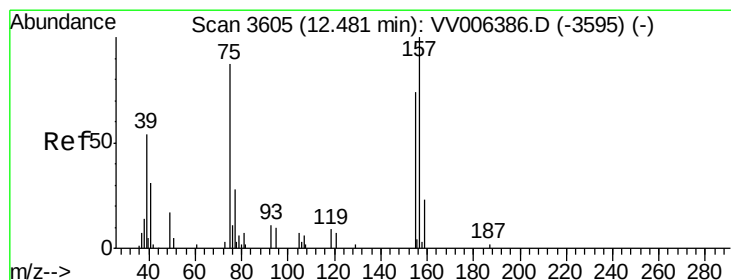
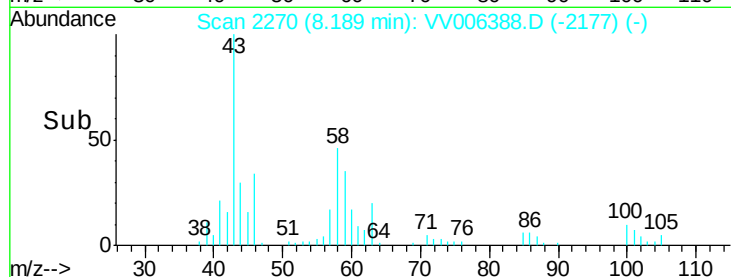
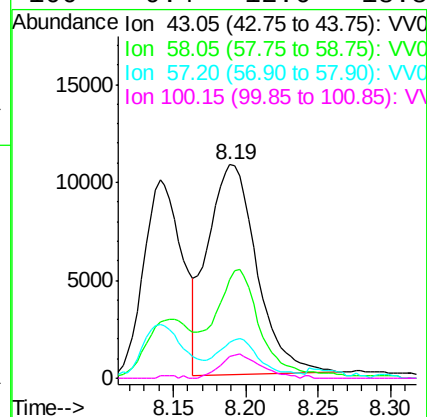
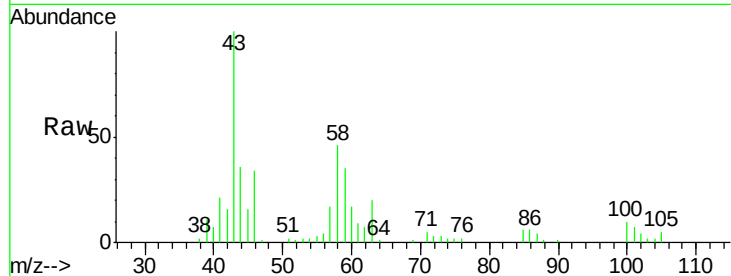




#48  
 2-Hexanone  
 Concen: 2.995 ug/L  
 RT: 8.19 min Scan# 2270  
 Delta R.T. 0.00 min  
 Lab File: VV006388.D  
 Acq: 21 Jun 2018 12:29

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0KF1DL

Tgt Ion: 43 Resp: 25201  
 Ion Ratio Lower Upper  
 43 100  
 58 44.9 48.6 72.8#  
 57 17.0 17.5 26.3#  
 100 9.4 12.6 18.8#



#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.296 ug/L  
 RT: 12.30 min Scan# 3549  
 Delta R.T. -0.18 min  
 Lab File: VV006388.D  
 Acq: 21 Jun 2018 12:29

Tgt Ion: 75 Resp: 887  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 70.3 105.5#  
 157 0.0 93.8 140.6#

