

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\  
 Data File : VV014828.D  
 Acq On : 11 Mar 2020 01:54  
 Operator : SY/MD  
 Sample : L1840-24  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 11 03:53:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM030620WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 11 03:49:31 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 435013   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 415777   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 202557   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 97012    | 32.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 65.90%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 86036    | 36.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 73.94%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 127029   | 25.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 51.94%# |
| 21) 2-Butanone-d5              | 3.93    | 46    | 180789   | 82.34    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 82.34%  |
| 24) Chloroform-d               | 4.38    | 84    | 235474   | 42.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.48%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 159715   | 42.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.36%  |
| 32) Benzene-d6                 | 5.08    | 84    | 484792   | 44.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.32%  |
| 36) 1,2-Dichloropropane-d6     | 6.10    | 67    | 154447   | 42.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 84.90%  |
| 41) Toluene-d8                 | 7.34    | 98    | 440837   | 41.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.00%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 67607    | 38.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.12%  |
| 47) 2-Hexanone-d5              | 8.12    | 63    | 155146   | 96.03    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.03%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 220436   | 44.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.08%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 193324   | 48.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.30%  |

## Target Compounds

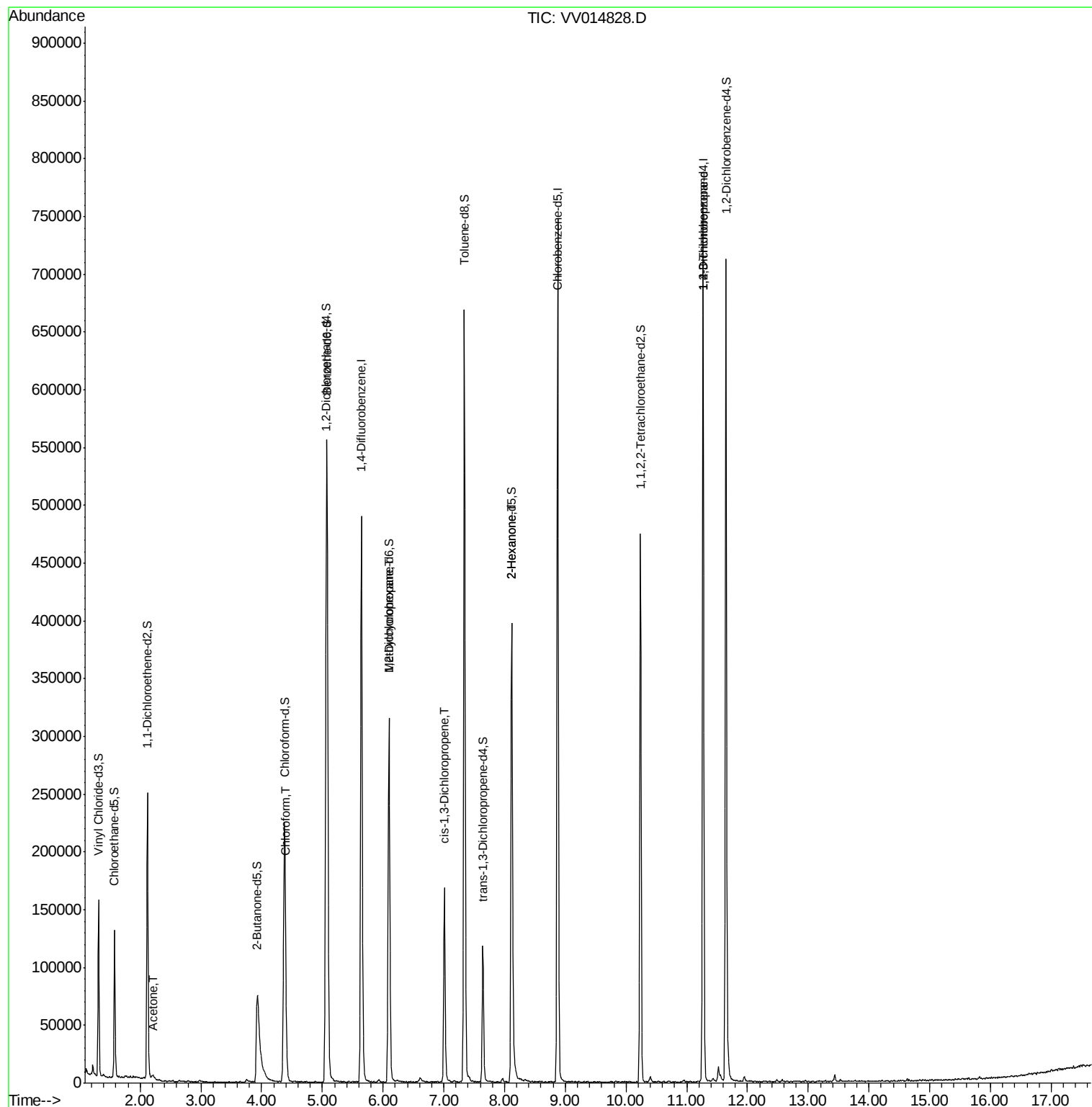
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 2.21  | 43 | 2672  | 1.458 ug/L   | 72     |
| 25) Chloroform              | 4.40  | 83 | 6522  | 1.104 ug/L   | 95     |
| 35) Methylcyclohexane       | 6.10  | 83 | 38127 | 7.337 ug/L # | 19     |
| 39) cis-1,3-Dichloropropene | 7.01  | 75 | 4218  | 0.827 ug/L # | 72     |
| 48) 2-Hexanone              | 8.12  | 43 | 16963 | 4.572 ug/L # | 75     |
| 59) 1,2,3-Trichloropropane  | 11.27 | 75 | 20458 | 4.921 ug/L # | 85     |

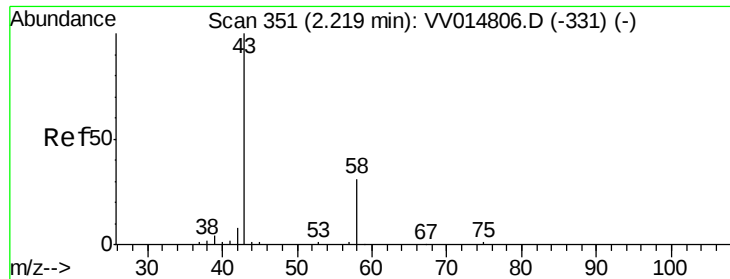
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM030620WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Mar 11 03:49:31 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.458 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV014828.D

Acq: 11 Mar 2020 01:54

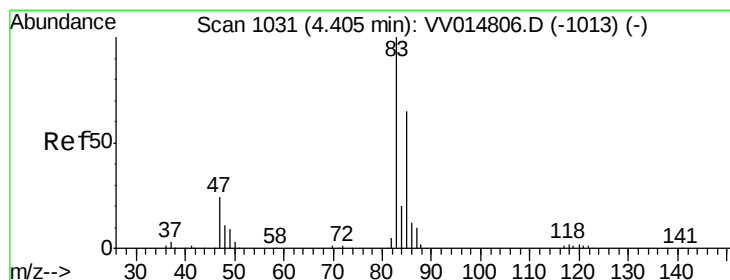
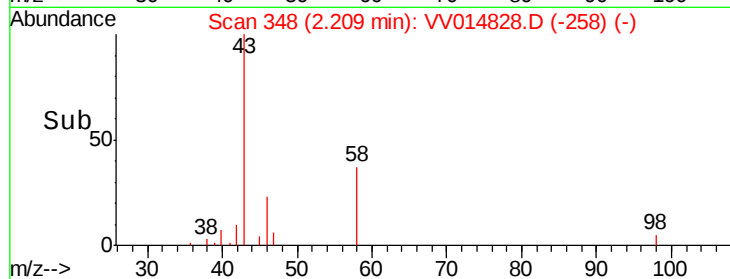
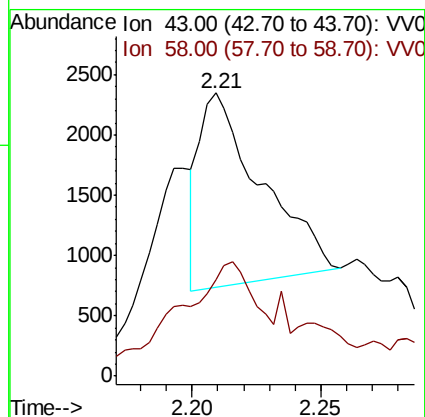
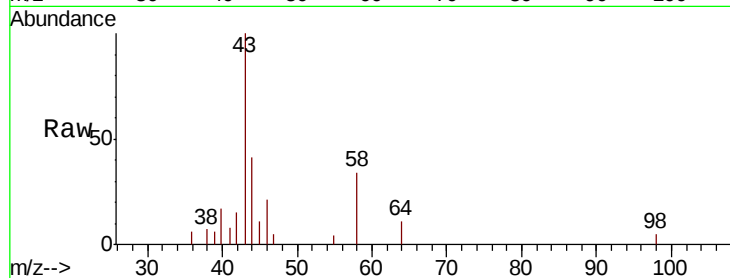
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 43 Resp: 2672

Ion Ratio Lower Upper

43 100

58 46.4 0.0 62.2



#25

Chloroform

Concen: 1.104 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV014828.D

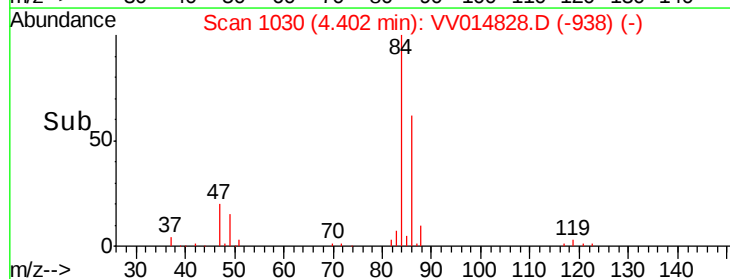
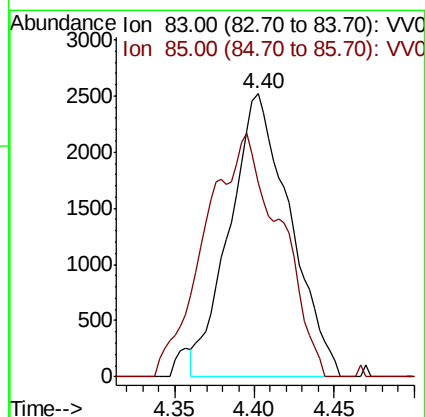
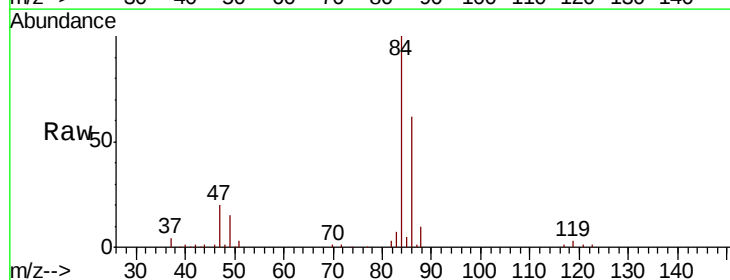
Acq: 11 Mar 2020 01:54

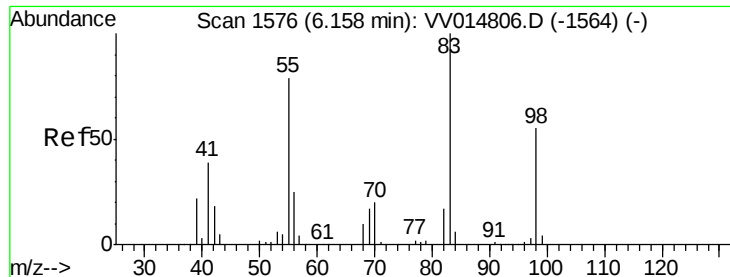
Tgt Ion: 83 Resp: 6522

Ion Ratio Lower Upper

83 100

85 68.6 45.1 83.9

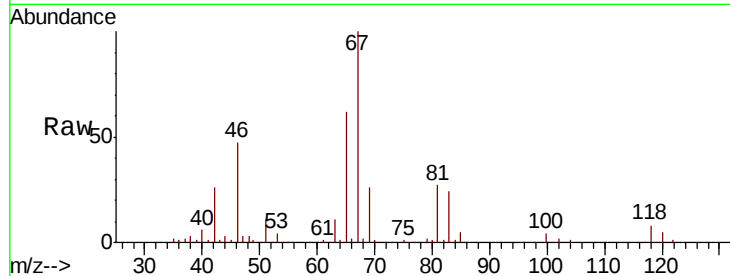




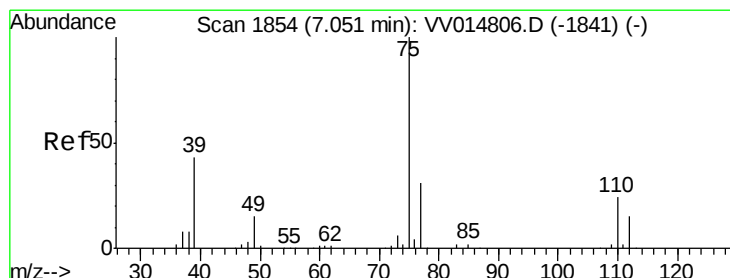
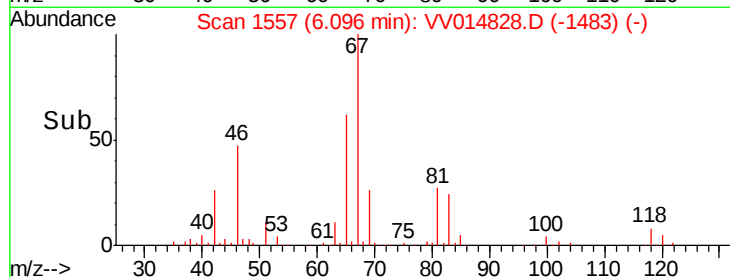
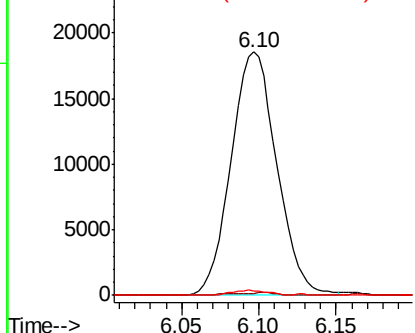
#35  
Methvlcvclohexane  
Concen: 7.337 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.06 min  
Lab File: VV014828.D  
Acq: 11 Mar 2020 01:54

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 83 Resp: 38127  
Ion Ratio Lower Upper  
83 100  
55 0.6 63.4 95.2#  
98 1.6 36.8 55.2#

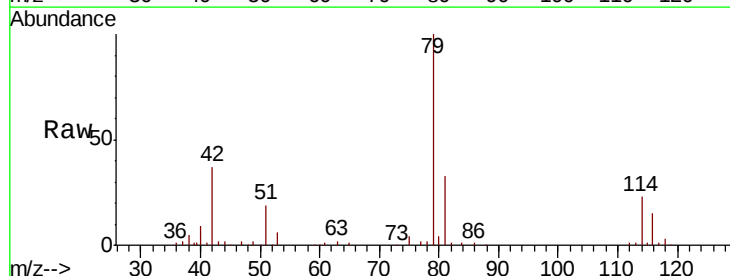


Abundance Ion 83.00 (82.70 to 83.70): VV0  
Ion 55.00 (54.70 to 55.70): VV0  
Ion 98.00 (97.70 to 98.70): VV0

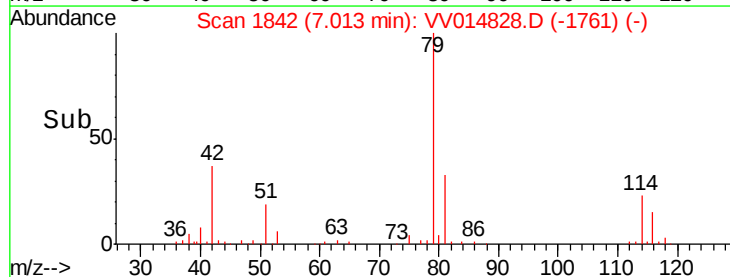
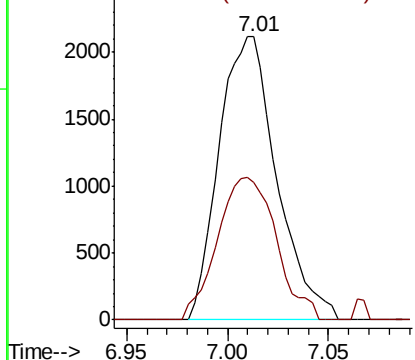


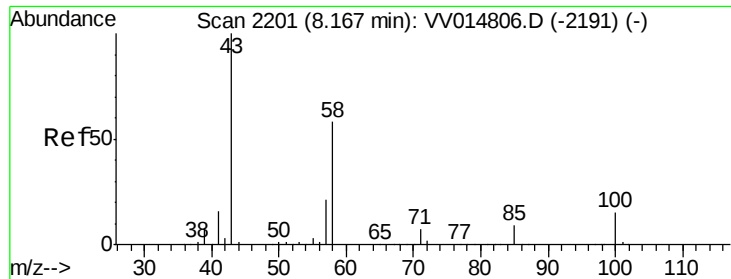
#39  
cis-1,3-Dichloropropene  
Concen: 0.827 ug/L  
RT: 7.01 min Scan# 1842  
Delta R.T. -0.04 min  
Lab File: VV014828.D  
Acq: 11 Mar 2020 01:54

Tgt Ion: 75 Resp: 4218  
Ion Ratio Lower Upper  
75 100  
77 48.6 22.8 42.4#



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

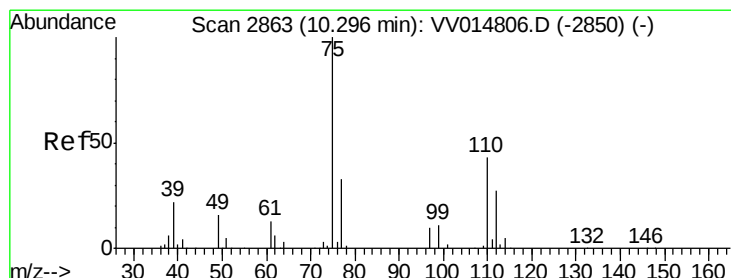
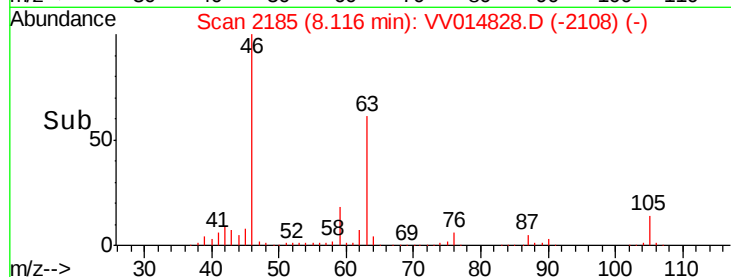
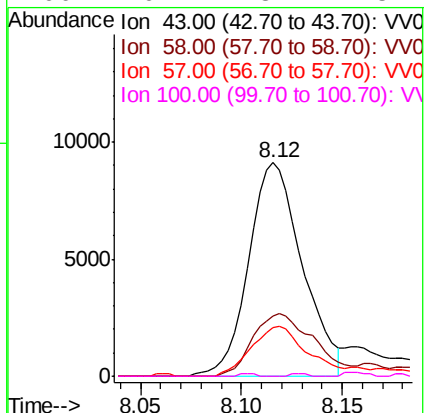
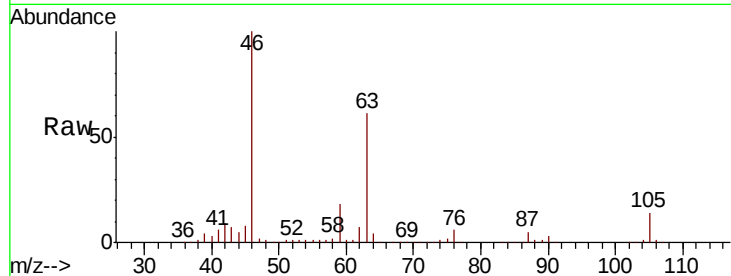




#48  
2-Hexanone  
Concen: 4.572 ug/L  
RT: 8.12 min Scan# 2185  
Delta R.T. -0.05 min  
Lab File: VV014828.D  
Acq: 11 Mar 2020 01:54

Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 43 Resp: 16963  
Ion Ratio Lower Upper  
43 100  
58 33.0 43.3 64.9#  
57 24.3 15.6 23.4#  
100 0.4 8.7 13.1#



#59  
1,2,3-Trichloropropane  
Concen: 4.921 ug/L  
RT: 11.27 min Scan# 3165  
Delta R.T. 0.97 min  
Lab File: VV014828.D  
Acq: 11 Mar 2020 01:54

Tgt Ion: 75 Resp: 20458  
Ion Ratio Lower Upper  
75 100  
77 40.4 25.6 38.4#

