

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\  
 Data File : VV017330.D  
 Acq On : 03 Jul 2020 01:01  
 Operator : SY/MD  
 Sample : L3116-16  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK01

Quant Time: Jul 03 06:21:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 03 06:15:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 158960   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 153407   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 72355    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 45356    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 36054    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.00% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 73500    | 4.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 81.00%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 108202   | 44.50    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 89.00%  |
| 24) Chloroform-d               | 4.38   | 84    | 101738   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 58913    | 5.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 109.00% |
| 32) Benzene-d6                 | 5.07   | 84    | 188899   | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 53611    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.00%  |
| 41) Toluene-d8                 | 7.34   | 98    | 172227   | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.20%  |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 21016    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.80%  |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 71814    | 37.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 75.96%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 37950    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.80%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 68081    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.80% |

## Target Compounds

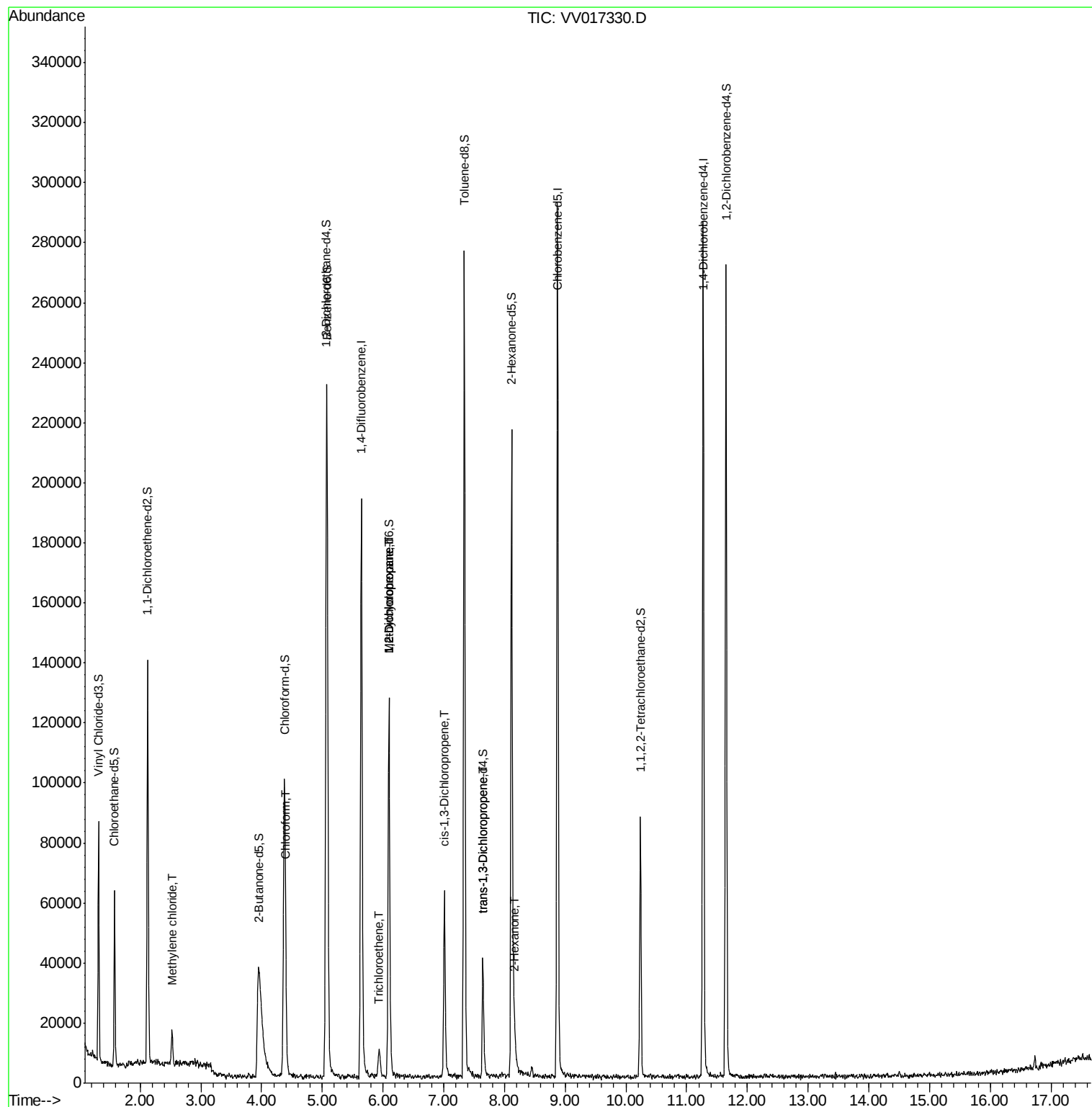
|                               |      |    |       |              | Ovalue |
|-------------------------------|------|----|-------|--------------|--------|
| 16) Methylene chloride        | 2.52 | 84 | 4371  | 0.535 ug/L   | 96     |
| 25) Chloroform                | 4.41 | 83 | 3586  | 0.181 ug/L   | 99     |
| 34) Trichloroethene           | 5.94 | 95 | 2067  | 0.176 ug/L   | 91     |
| 35) Methylcyclohexane         | 6.10 | 83 | 15005 | 0.820 ug/L # | 18     |
| 37) 1,2-Dichloropropane       | 6.10 | 63 | 7474  | 0.752 ug/L # | 84     |
| 39) cis-1,3-Dichloropropene   | 7.01 | 75 | 2213  | 0.150 ug/L # | 76     |
| 46) trans-1,3-Dichloropropene | 7.65 | 75 | 1263  | 0.099 ug/L # | 73     |
| 50) 2-Hexanone                | 8.17 | 43 | 6392  | 1.564 ug/L # | 92     |

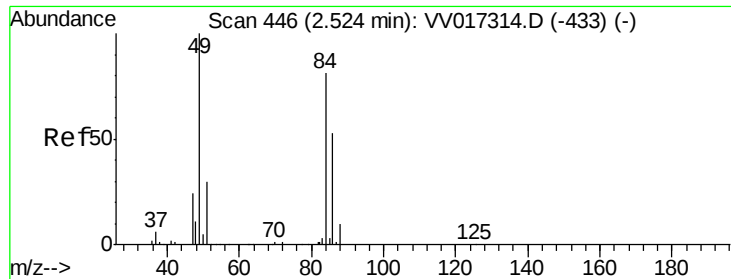
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jul 03 06:15:26 2020  
Response via : Initial Calibration

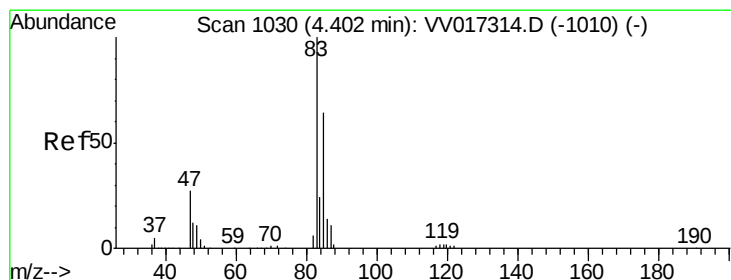
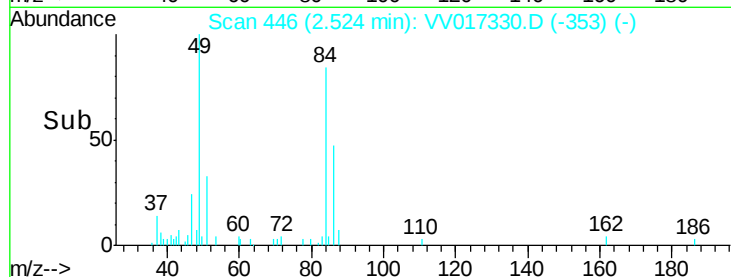
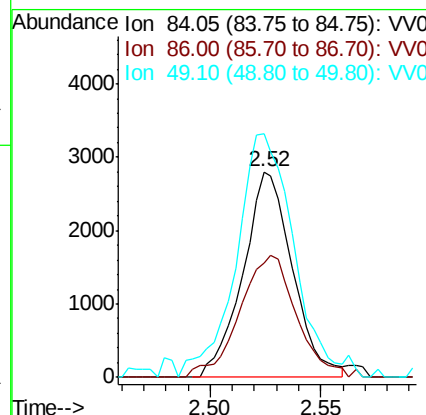
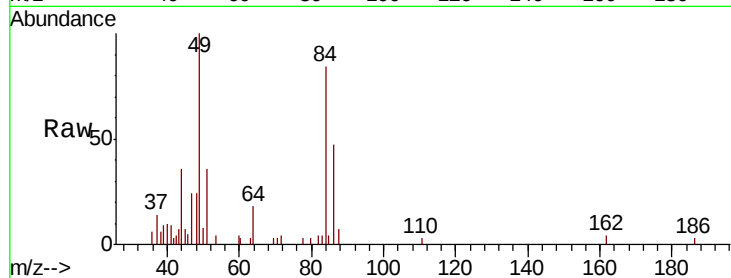




#16  
Methvlene chloride  
Concen: 0.535 ug/L  
RT: 2.52 min Scan# 446  
Delta R.T. -0.00 min  
Lab File: VV017330.D  
Acq: 03 Jul 2020 01:01

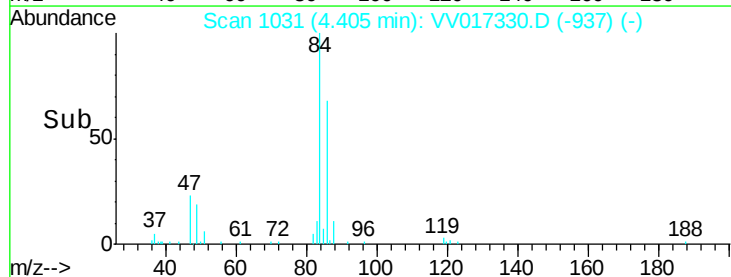
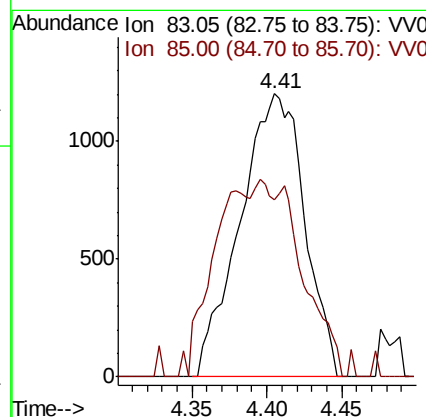
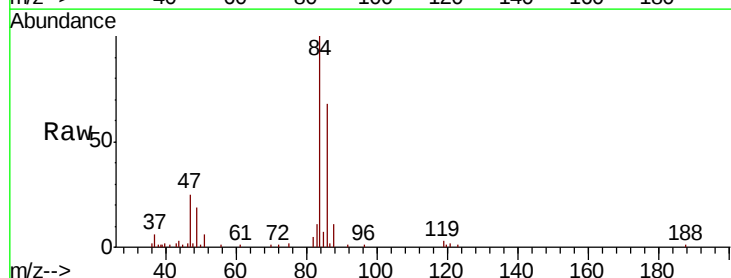
Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

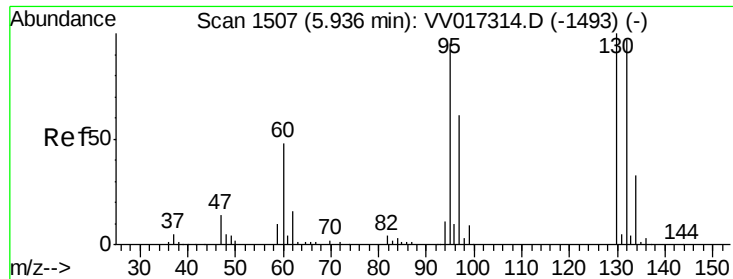
Tot Ion: 84 Resp: 4371  
Ion Ratio Lower Upper  
84 100  
86 55.8 45.8 85.0  
49 128.2 89.6 166.4



#25  
Chloroform  
Concen: 0.181 ug/L  
RT: 4.41 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VV017330.D  
Acq: 03 Jul 2020 01:01

Tgt Ion: 83 Resp: 3586  
Ion Ratio Lower Upper  
83 100  
85 62.6 44.2 82.2

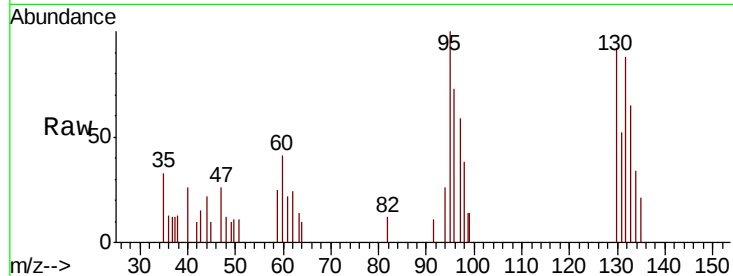




#34  
 Trichloroethene  
 Concen: 0.176 ug/L  
 RT: 5.94 min Scan# 1509  
 Delta R.T. 0.01 min  
 Lab File: VV017330.D  
 Acq: 03 Jul 2020 01:01

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 2067  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 59.3  | 45.3  | 84.1  |
| 132      | 88.2  | 68.8  | 127.8 |
| 130      | 91.9  | 70.2  | 130.4 |

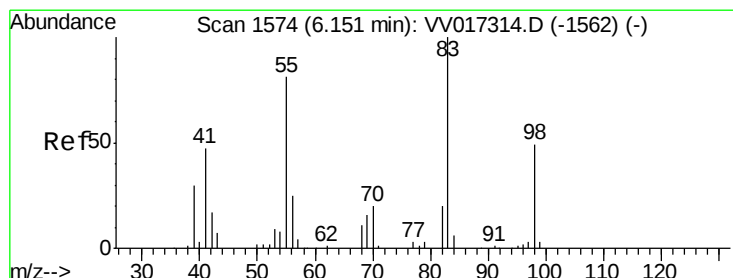
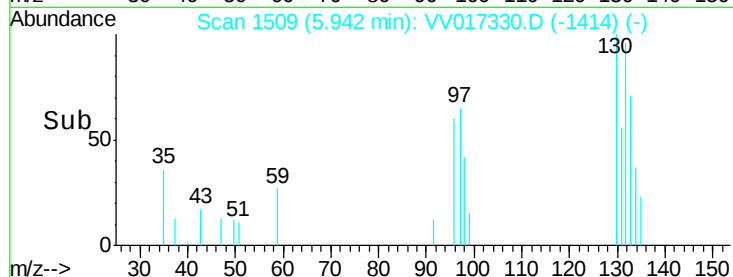
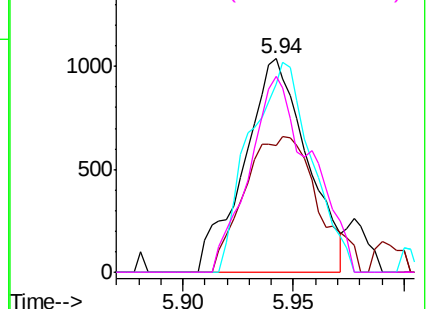


Abundance Ion 95.00 (94.70 to 95.70): VV017330.D (-1493) (-)

Ion 96.95 (96.65 to 97.65): VV017330.D (-1493) (-)

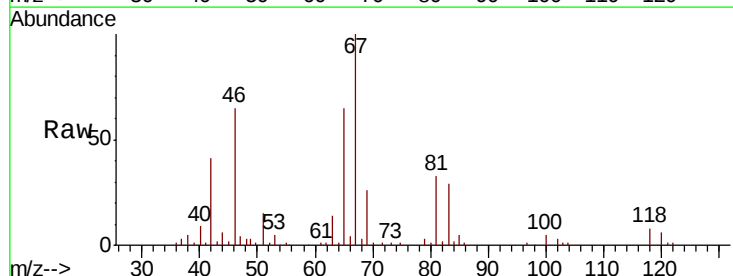
Ion 131.95 (131.65 to 132.65): VV017330.D (-1493) (-)

Ion 129.95 (129.65 to 130.65): VV017330.D (-1493) (-)



#35  
 Methylcyclohexane  
 Concen: 0.820 ug/L  
 RT: 6.10 min Scan# 1558  
 Delta R.T. -0.05 min  
 Lab File: VV017330.D  
 Acq: 03 Jul 2020 01:01

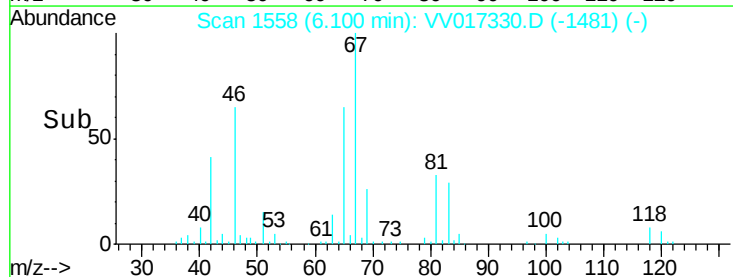
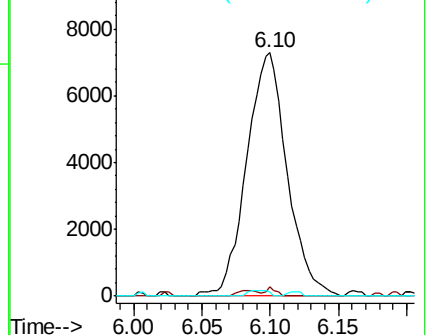
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 15005 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.8   | 63.6  | 95.4# |
| 98       | 0.6   | 38.8  | 58.2# |

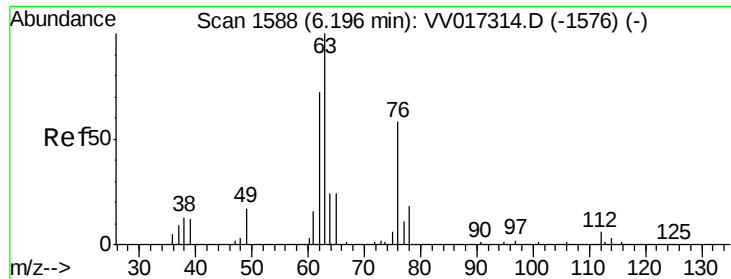


Abundance Ion 83.15 (82.85 to 83.85): VV017330.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV017330.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV017330.D (-1481) (-)

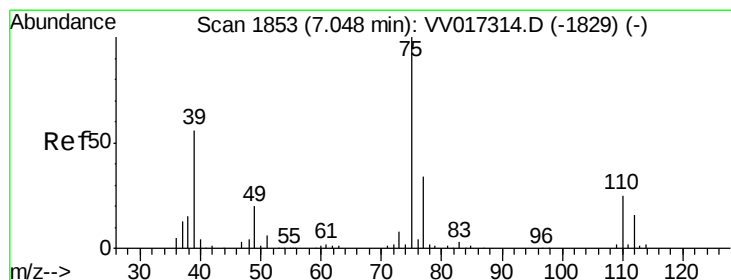
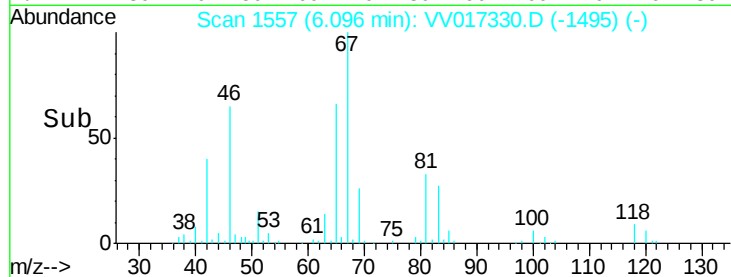
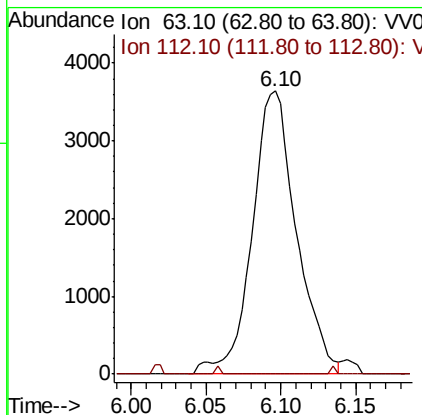
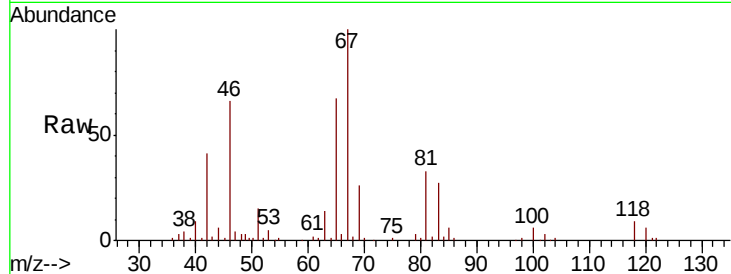




#37  
 1,2-Dichloropropane  
 Concen: 0.752 ug/L  
 RT: 6.10 min Scan# 1557  
 Delta R.T. -0.10 min  
 Lab File: VV017330.D  
 Acq: 03 Jul 2020 01:01

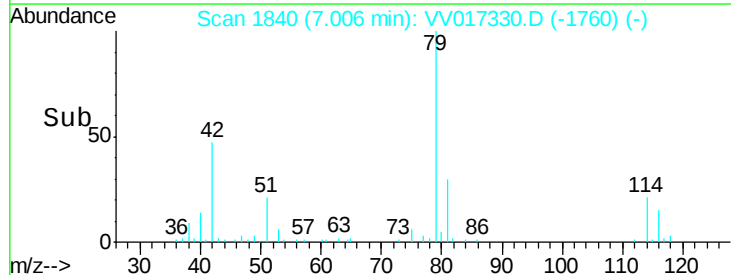
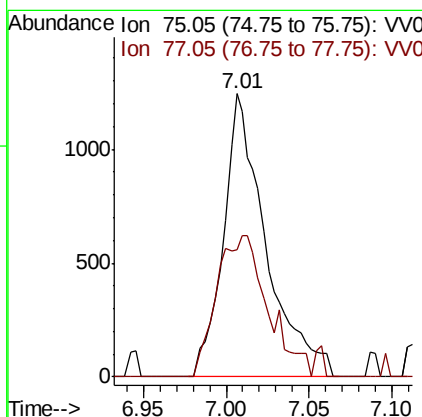
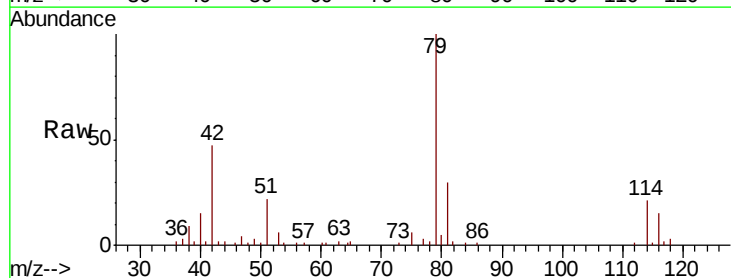
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK01

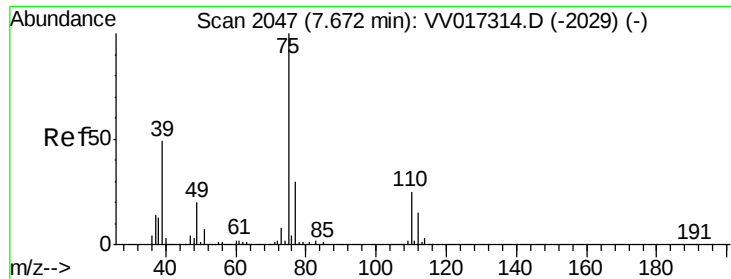
Tot Ion: 63 Resp: 7474  
 Ion Ratio Lower Upper  
 63 100  
 112 0.3 4.4 6.6#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.150 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV017330.D  
 Acq: 03 Jul 2020 01:01

Tgt Ion: 75 Resp: 2213  
 Ion Ratio Lower Upper  
 75 100  
 77 45.1 22.3 41.5#





#46

trans-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV017330.D

Acq: 03 Jul 2020 01:01

Instrument :

MSVOA\_V

ClientSampleId :

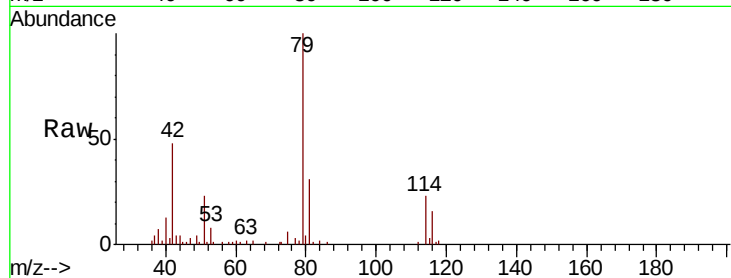
VHBLK01

Tot Ion: 75 Resp: 1263

Ion Ratio Lower Upper

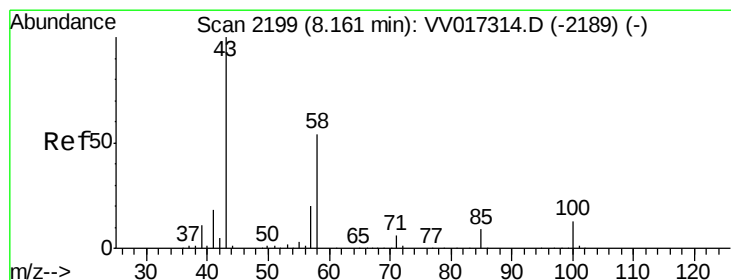
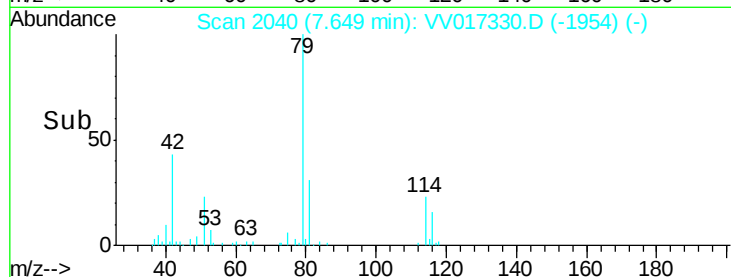
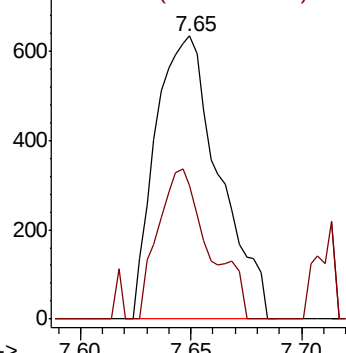
75 100

77 47.1 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#50

2-Hexanone

Concen: 1.564 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV017330.D

Acq: 03 Jul 2020 01:01

Tgt Ion: 43 Resp: 6392

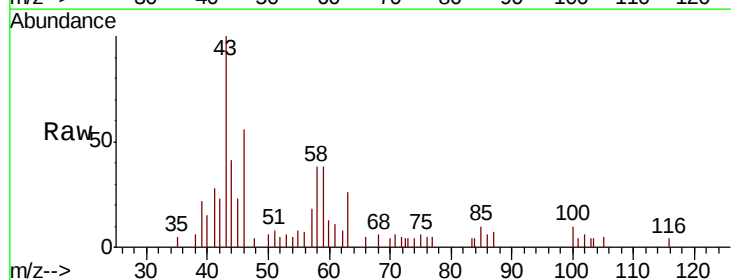
Ion Ratio Lower Upper

43 100

58 49.2 41.6 62.4

57 12.5 15.4 23.0#

100 5.7 10.1 15.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

