

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\  
 Data File : VV017021.D  
 Acq On : 22 Jun 2020 16:59  
 Operator : SY/MD  
 Sample : VV0623WBL01  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK50

Quant Time: Jun 23 04:55:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jun 23 04:53:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 194526   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 185504   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 90264    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 50305    | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 86.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 40101    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 75417    | 3.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.80%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 148958   | 50.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.12% |
| 24) Chloroform-d               | 4.38   | 84    | 118912   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 66740    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.80% |
| 32) Benzene-d6                 | 5.07   | 84    | 235133   | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 68304    | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.80%  |
| 41) Toluene-d8                 | 7.34   | 98    | 212978   | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.40%  |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 27395    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.40%  |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 89806    | 39.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 78.56%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 43476    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.80%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 83647    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.20% |

## Target Compounds

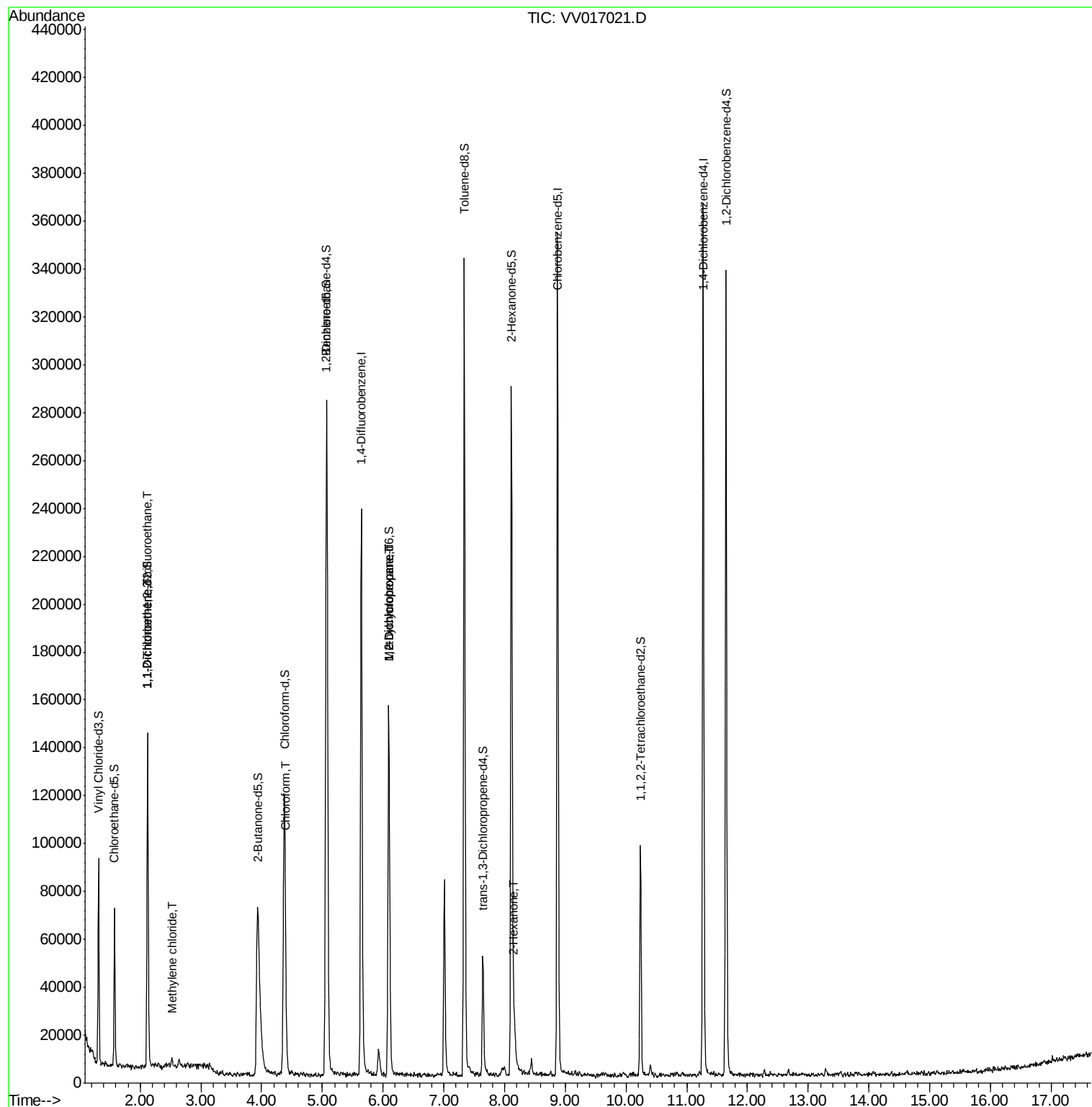
|                                |      |     |       |              | Ovalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 921   | 0.089 ug/L # | 19     |
| 12) 1,1-Dichloroethene         | 2.12 | 96  | 708   | 0.076 ug/L # | 1      |
| 16) Methylene chloride         | 2.52 | 84  | 1251  | 0.125 ug/L   | 94     |
| 25) Chloroform                 | 4.40 | 83  | 4716  | 0.194 ug/L   | 87     |
| 35) Methylcyclohexane          | 6.10 | 83  | 17820 | 0.806 ug/L # | 19     |
| 37) 1,2-Dichloropropane        | 6.10 | 63  | 8369  | 0.696 ug/L # | 84     |
| 50) 2-Hexanone                 | 8.16 | 43  | 12451 | 2.520 ug/L # | 91     |

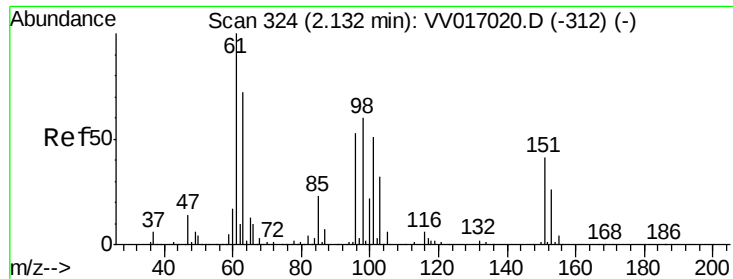
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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ClientSampleId :  
VBLK50

Quant Time: Jun 23 04:55:27 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Jun 23 04:53:49 2020  
Response via : Initial Calibration





#10

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

Concen: 0.089 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017021.D

Acq: 22 Jun 2020 16:59

Instrument :

MSVOA\_V

ClientSampleId :

VBLK50

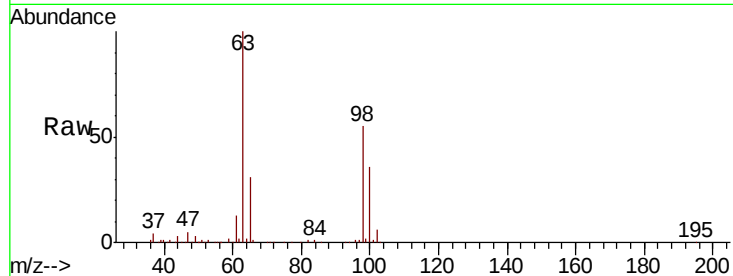
Tot Ion:101 Resp: 921

Ion Ratio Lower Upper

101 100

85 2.3 35.4 53.2#

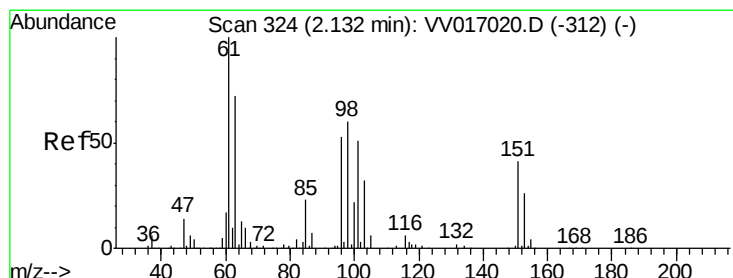
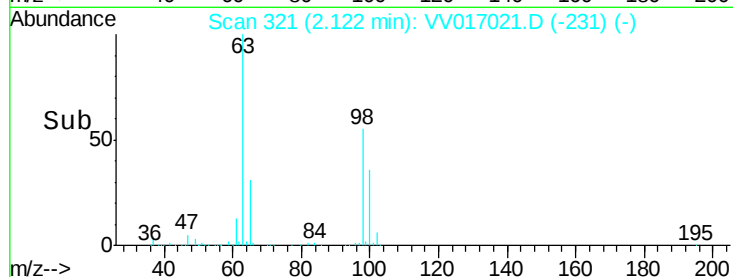
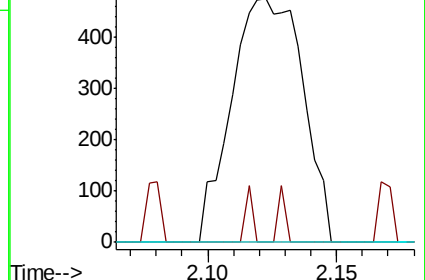
151 0.0 63.9 95.9#



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



#12

1,1-Dichloroethene

Concen: 0.076 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017021.D

Acq: 22 Jun 2020 16:59

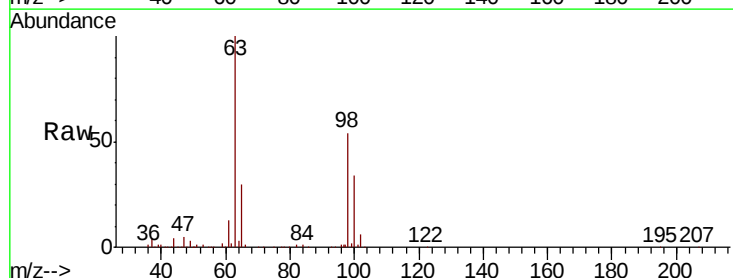
Tgt Ion: 96 Resp: 708

Ion Ratio Lower Upper

96 100

61 1232.8 125.0 232.2#

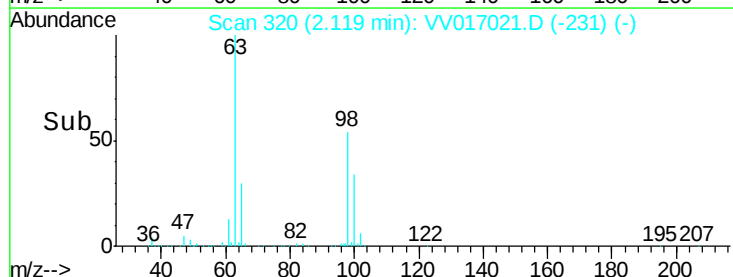
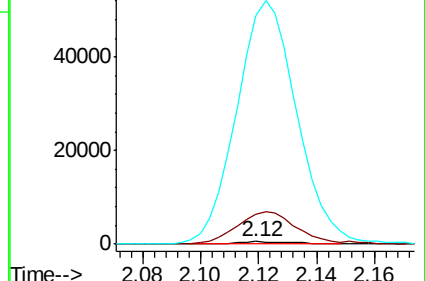
63 9419.7 109.8 203.8#

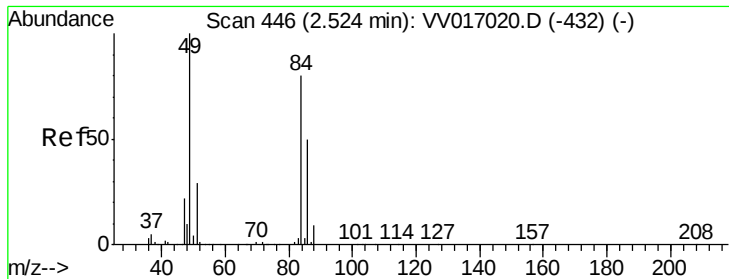


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

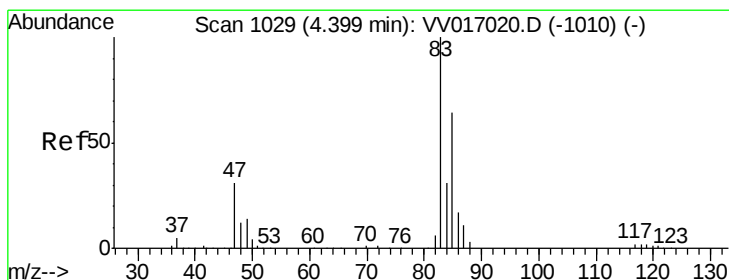
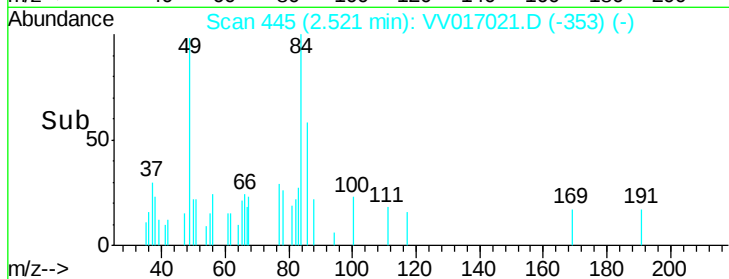
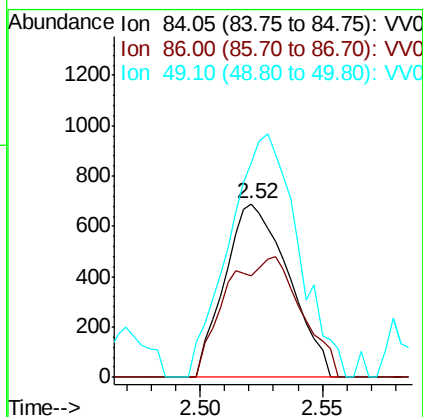
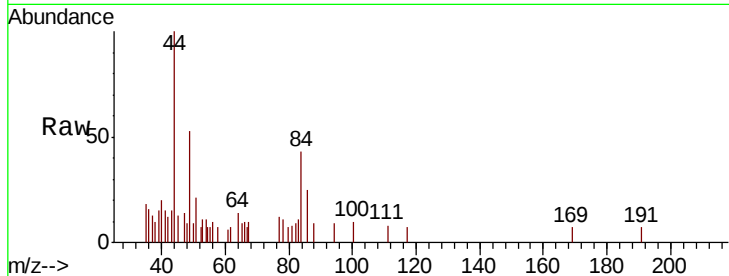




#16  
Methvlene chloride  
Concen: 0.125 ug/L  
RT: 2.52 min Scan# 445  
Delta R.T. -0.00 min  
Lab File: VV017021.D  
Acq: 22 Jun 2020 16:59

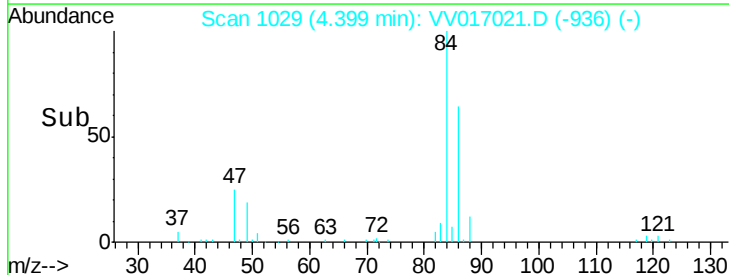
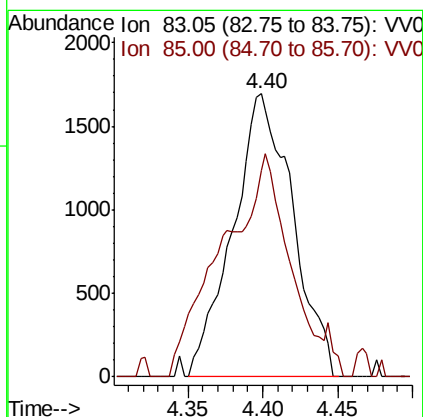
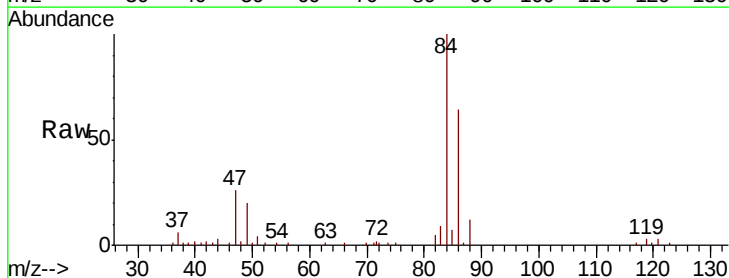
Instrument :  
MSVOA\_V  
ClientSampled :  
VBLK50

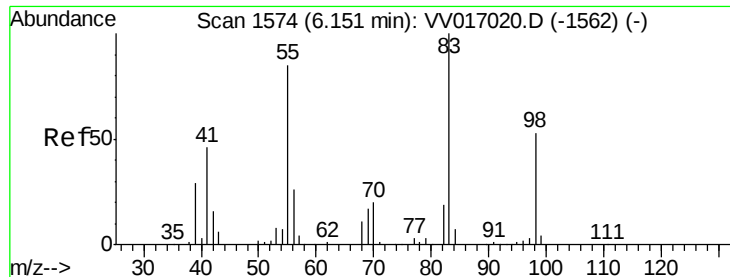
Tot Ion: 84 Resp: 1251  
Ion Ratio Lower Upper  
84 100  
86 58.5 45.8 85.0  
49 123.2 89.6 166.4



#25  
Chloroform  
Concen: 0.194 ug/L  
RT: 4.40 min Scan# 1029  
Delta R.T. -0.00 min  
Lab File: VV017021.D  
Acq: 22 Jun 2020 16:59

Tgt Ion: 83 Resp: 4716  
Ion Ratio Lower Upper  
83 100  
85 73.0 44.2 82.2

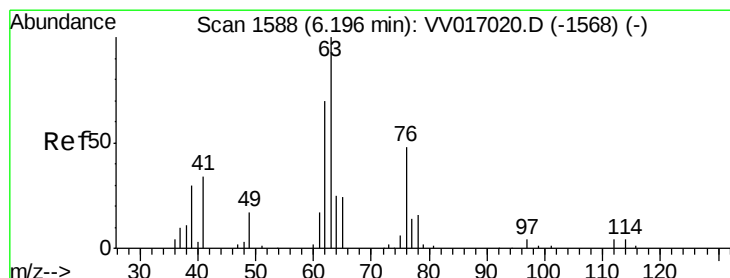
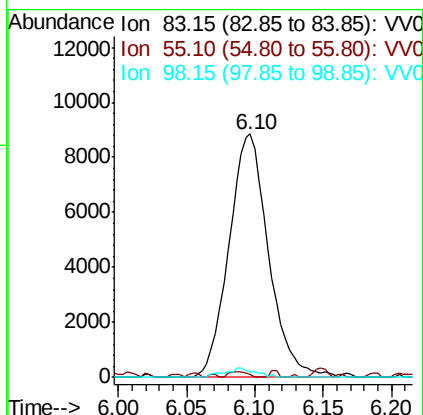
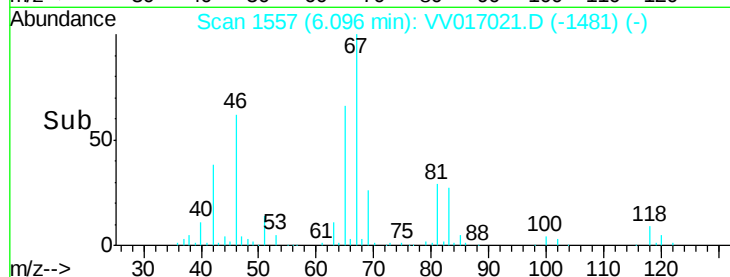
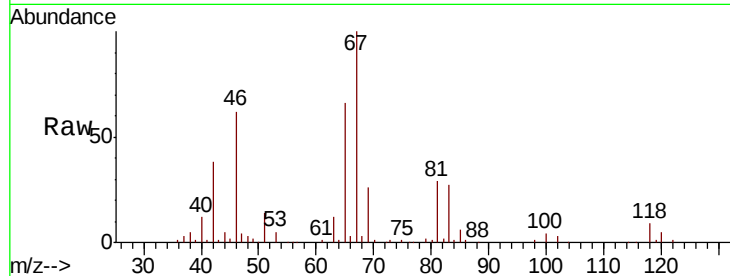




#35  
Methvlcvclohexane  
Concen: 0.806 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.05 min  
Lab File: VV017021.D  
Acq: 22 Jun 2020 16:59

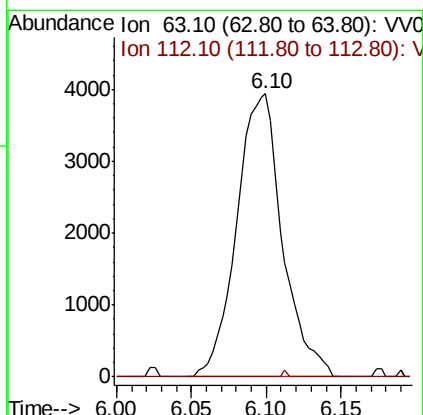
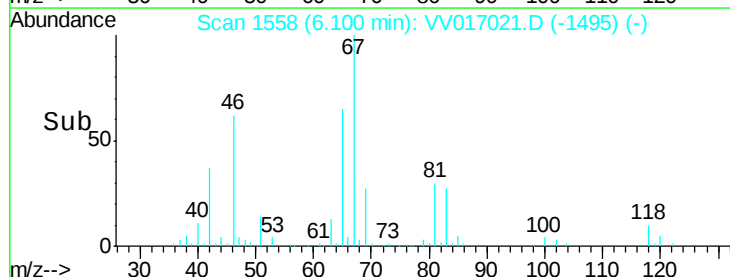
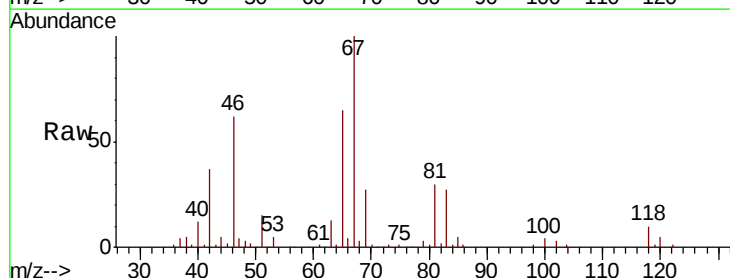
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK50

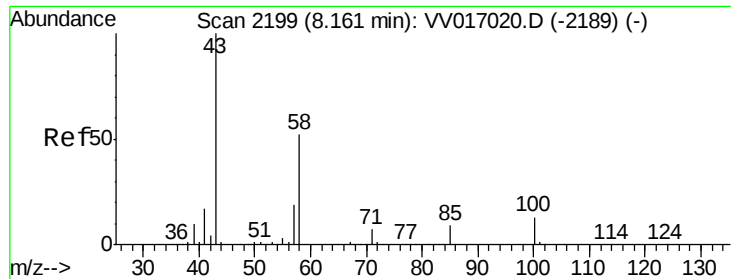
Tot Ion: 83 Resp: 17820  
Ion Ratio Lower Upper  
83 100  
55 1.1 63.6 95.4#  
98 2.9 38.8 58.2#



#37  
1,2-Dichloropropane  
Concen: 0.696 ug/L  
RT: 6.10 min Scan# 1558  
Delta R.T. -0.10 min  
Lab File: VV017021.D  
Acq: 22 Jun 2020 16:59

Tgt Ion: 63 Resp: 8369  
Ion Ratio Lower Upper  
63 100  
112 0.2 4.4 6.6#





#50

2-Hexanone

Concen: 2.520 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VV017021.D

Acq: 22 Jun 2020 16:59

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK50

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 12451 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 45.8  | 41.6  | 62.4  |
| 57       | 17.6  | 15.4  | 23.0  |
| 100      | 6.2   | 10.1  | 15.1# |

