

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\  
 Data File : VV017047.D  
 Acq On : 23 Jun 2020 11:47  
 Operator : SY/MD  
 Sample : L3067-20DL 40X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXH7DL

Quant Time: Jun 24 05:03:56 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  | 184854   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 177275   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 84055    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

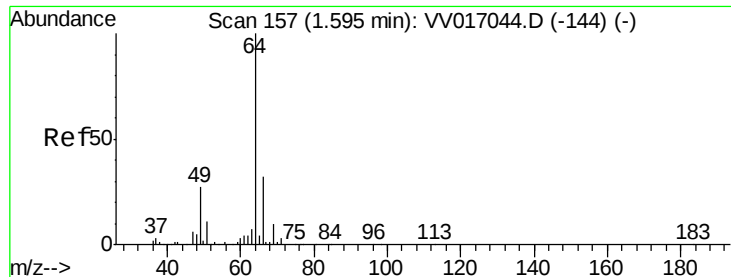
|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 45741    | 4.12     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.40% |
| 7) Chloroethane-d5             | 1.58   | 69    | 36674    | 4.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.00% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 69167    | 3.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.60% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 133609   | 47.25    | ug/L | 0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 94.50% |
| 24) Chloroform-d               | 4.38   | 84    | 105513   | 4.45     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.00% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 60988    | 4.85     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.00% |
| 32) Benzene-d6                 | 5.07   | 84    | 212803   | 4.63     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.60% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 63352    | 4.60     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.00% |
| 41) Toluene-d8                 | 7.34   | 98    | 193078   | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.60% |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 25205    | 4.40     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.00% |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 82374    | 37.70    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 75.40% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 42798    | 4.68     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.60% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 75285    | 4.85     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.00% |

## Target Compounds

|                        |      |    |        |              | Ovalue |
|------------------------|------|----|--------|--------------|--------|
| 8) Chloroethane        | 1.60 | 64 | 2340   | 0.349 ug/L   | 96     |
| 12) 1,1-Dichloroethene | 2.12 | 96 | 946    | 0.107 ug/L # | 1      |
| 16) Methylene chloride | 2.52 | 84 | 1548   | 0.163 ug/L   | 94     |
| 19) 1,1-Dichloroethane | 3.21 | 63 | 208679 | 9.879 ug/L   | 97     |
| 25) Chloroform         | 4.41 | 83 | 7967   | 0.345 ug/L   | 85     |
| 27) 1,2-Dichloroethane | 5.16 | 62 | 720    | 0.050 ug/L # | 76     |
| 35) Methylcyclohexane  | 6.09 | 83 | 16977  | 0.803 ug/L # | 18     |
| 50) 2-Hexanone         | 8.16 | 43 | 8725   | 1.848 ug/L # | 90     |

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





#8

Chloroethane

Concen: 0.349 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV017047.D

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Instrument :

MSVOA\_V

ClientSampleId :

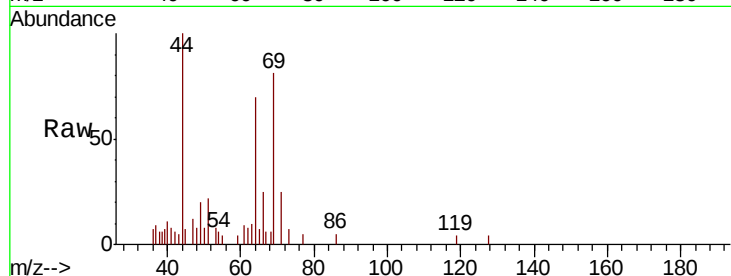
BFXH7DL

Tot Ion: 64 Resp: 2340

Ion Ratio Lower Upper

64 100

66 34.8 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.60

2000

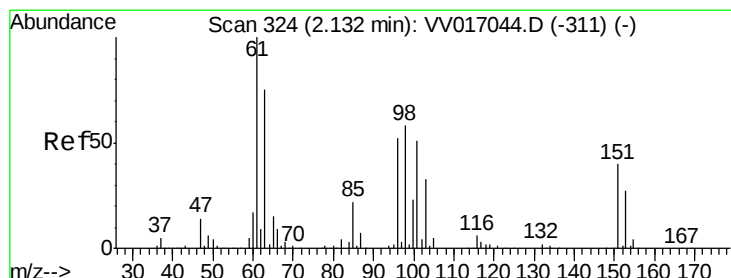
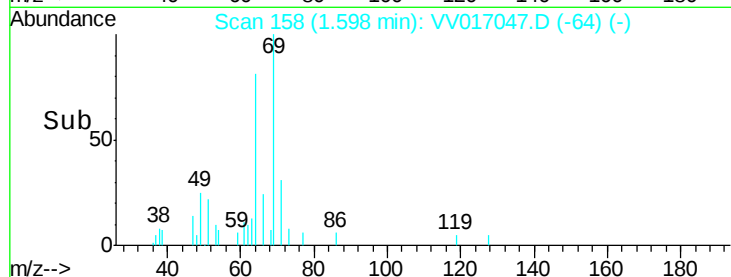
1500

1000

500

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.107 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017047.D

Acq: 23 Jun 2020 11:47

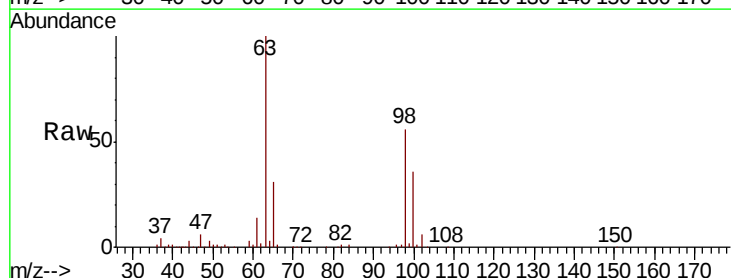
Tgt Ion: 96 Resp: 946

Ion Ratio Lower Upper

96 100

61 1302.9 125.0 232.2#

63 9212.4 109.8 203.8#



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

60000

50000

40000

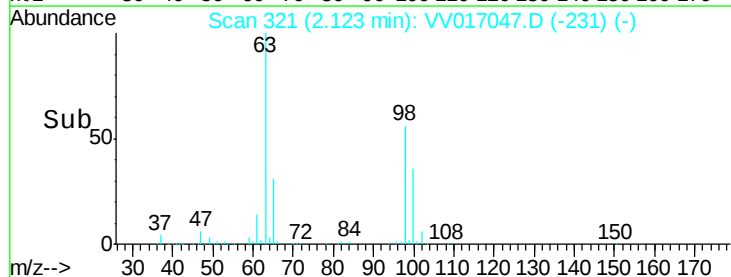
30000

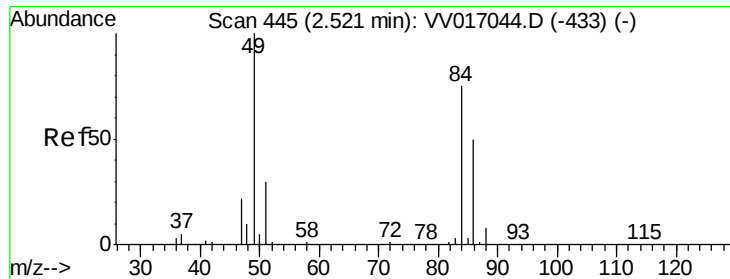
20000

10000

0

Time-->

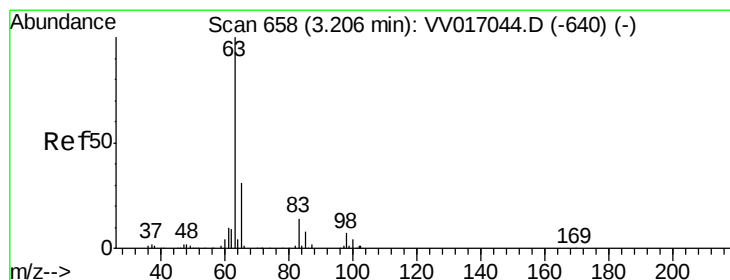
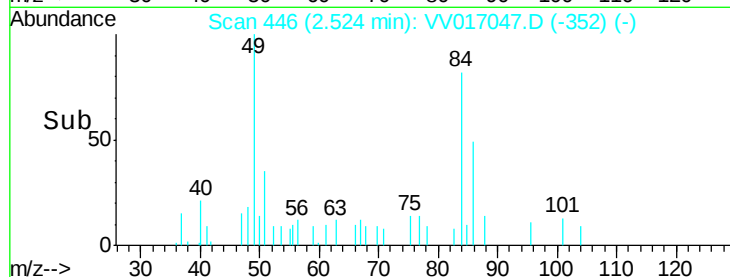
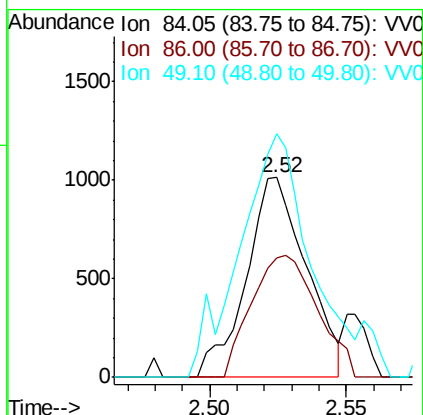
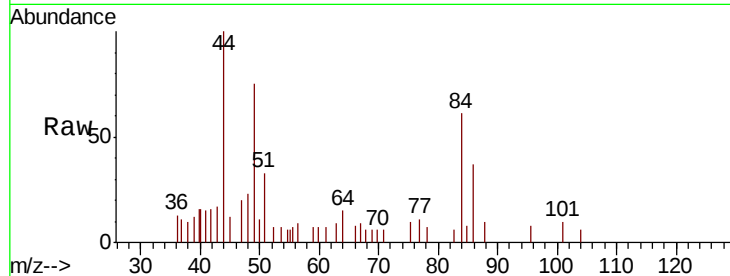




#16  
Methylene chloride  
Concen: 0.163 ug/L  
RT: 2.52 min Scan# 446  
Delta R.T. 0.00 min  
Lab File: VV017047.D  
Acq: 23 Jun 2020 11:47

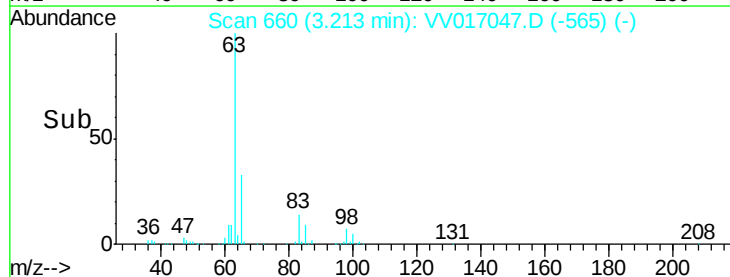
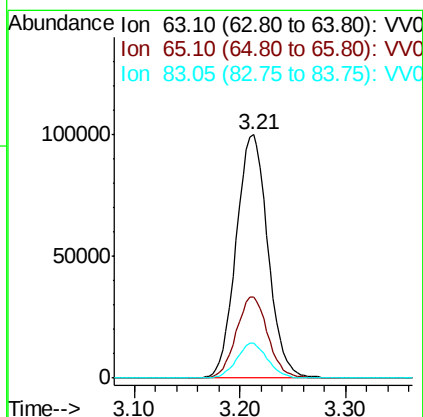
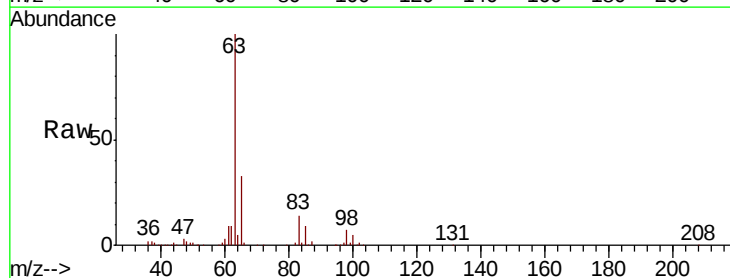
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXH7DL

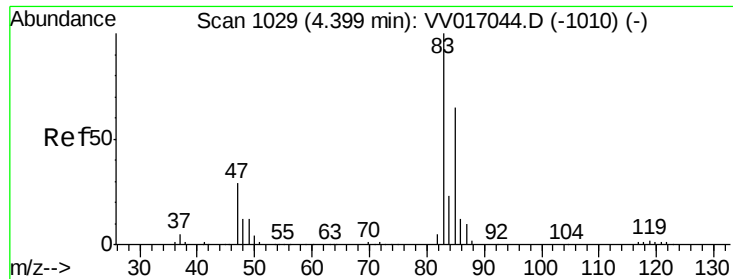
Tot Ion: 84 Resp: 1548  
Ion Ratio Lower Upper  
84 100  
86 59.8 45.8 85.0  
49 121.9 89.6 166.4



#19  
1,1-Dichloroethane  
Concen: 9.879 ug/L  
RT: 3.21 min Scan# 660  
Delta R.T. 0.01 min  
Lab File: VV017047.D  
Acq: 23 Jun 2020 11:47

Tgt Ion: 63 Resp: 208679  
Ion Ratio Lower Upper  
63 100  
65 33.2 21.8 40.4  
83 14.2 9.7 17.9

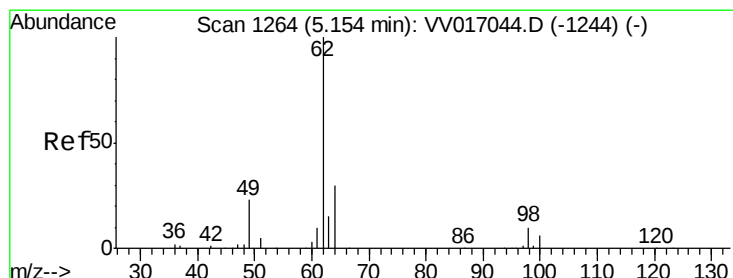
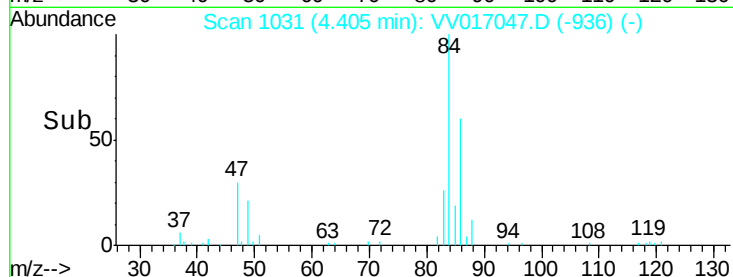
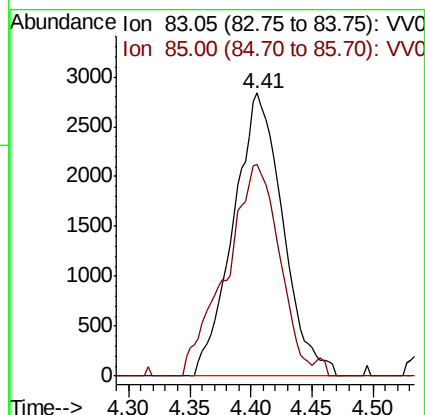
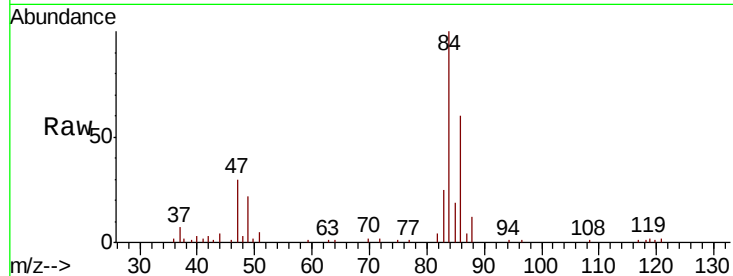




#25  
Chloroform  
Concen: 0.345 ug/L  
RT: 4.41 min Scan# 1031  
Delta R.T. 0.01 min  
Lab File: VV017047.D  
Acq: 23 Jun 2020 11:47

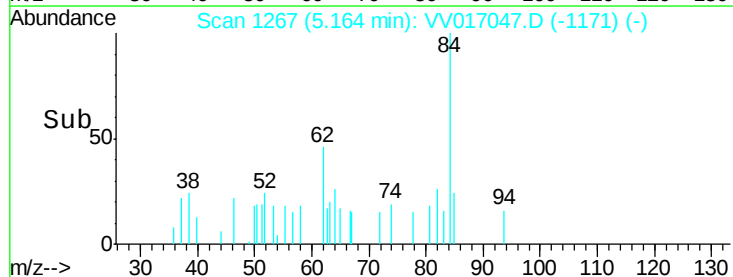
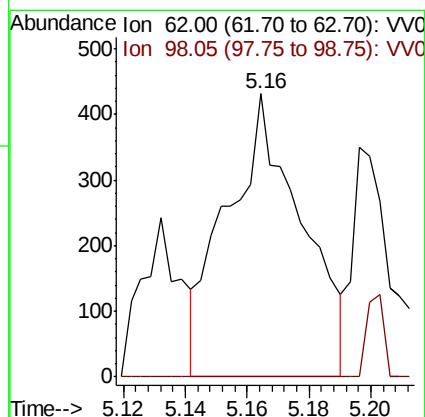
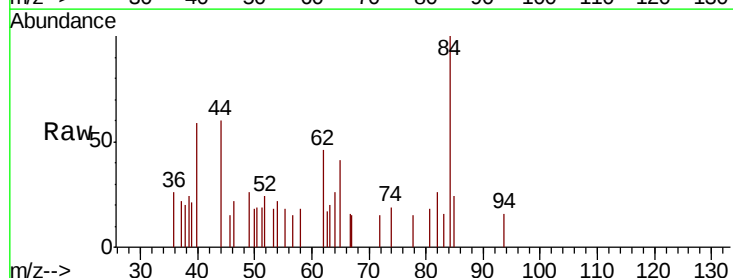
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXH7DL

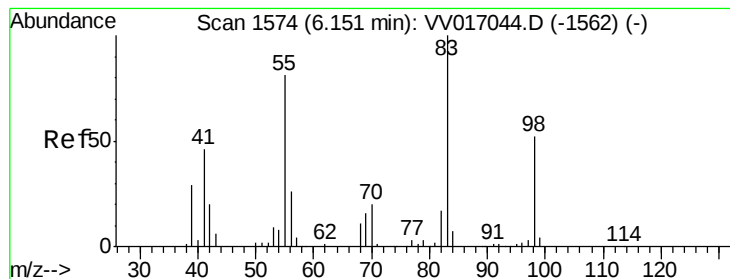
Tot Ion: 83 Resp: 7967  
Ion Ratio Lower Upper  
83 100  
85 75.0 44.2 82.2



#27  
1,2-Dichloroethane  
Concen: 0.050 ug/L  
RT: 5.16 min Scan# 1267  
Delta R.T. 0.01 min  
Lab File: VV017047.D  
Acq: 23 Jun 2020 11:47

Tgt Ion: 62 Resp: 720  
Ion Ratio Lower Upper  
62 100  
98 0.0 6.7 10.1#





#35

Methylcyclohexane

Concen: 0.803 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017047.D

Acq: 23 Jun 2020 11:47

Instrument :

MSVOA\_V

ClientSampled :

BFXH7DL

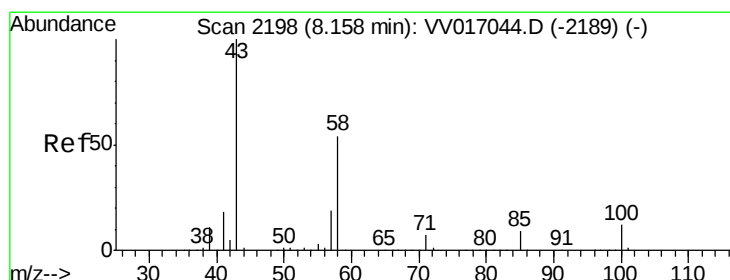
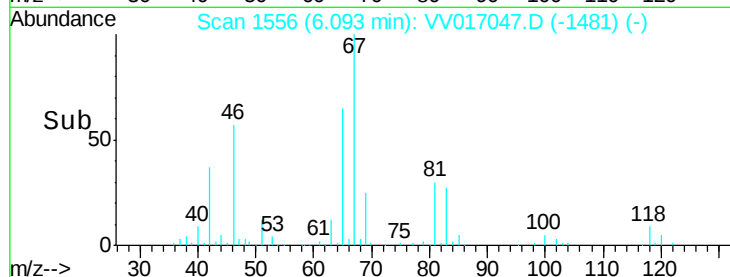
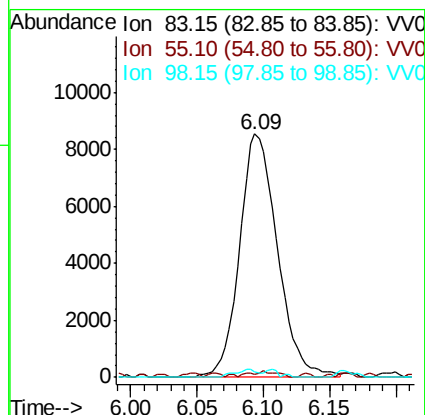
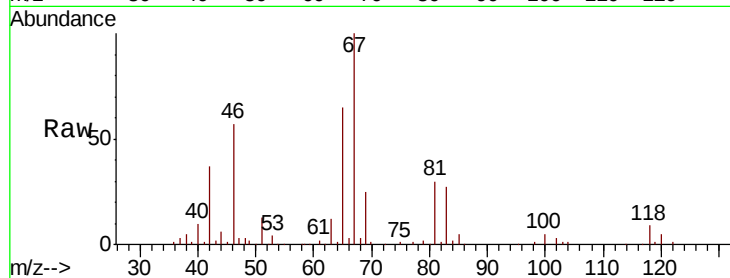
Tot Ion: 83 Resp: 16977

Ion Ratio Lower Upper

83 100

55 0.2 63.6 95.4#

98 2.0 38.8 58.2#



#50

2-Hexanone

Concen: 1.848 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV017047.D

Acq: 23 Jun 2020 11:47

Tgt Ion: 43 Resp: 8725

Ion Ratio Lower Upper

43 100

58 43.7 41.6 62.4

57 20.1 15.4 23.0

100 5.6 10.1 15.1#

