

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050620\  
 Data File : VV015905.D  
 Acq On : 06 May 2020 13:10  
 Operator : SY/MD  
 Sample : VV0506WBL01  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: May 07 02:03:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 07 02:01:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 156343   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 150703   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 71681    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 44089    | 4.59     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.80% |
| 7) Chloroethane-d5             | 1.58   | 69    | 39845    | 4.66     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.20% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 67558    | 3.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.80% |
| 20) 2-Butanone-d5              | 3.95   | 46    | 119364   | 47.88    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.76% |
| 24) Chloroform-d               | 4.38   | 84    | 88980    | 4.72     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.40% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 52480    | 4.80     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00% |
| 32) Benzene-d6                 | 5.07   | 84    | 180164   | 4.78     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60% |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 55394    | 4.81     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.20% |
| 41) Toluene-d8                 | 7.34   | 98    | 165772   | 4.72     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.40% |
| 43) trans-1,3-Dichloropropene- | 7.64   | 79    | 20242    | 4.47     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.40% |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 87252    | 43.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.10% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 37241    | 4.47     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 58709    | 4.92     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.40% |

## Target Compounds

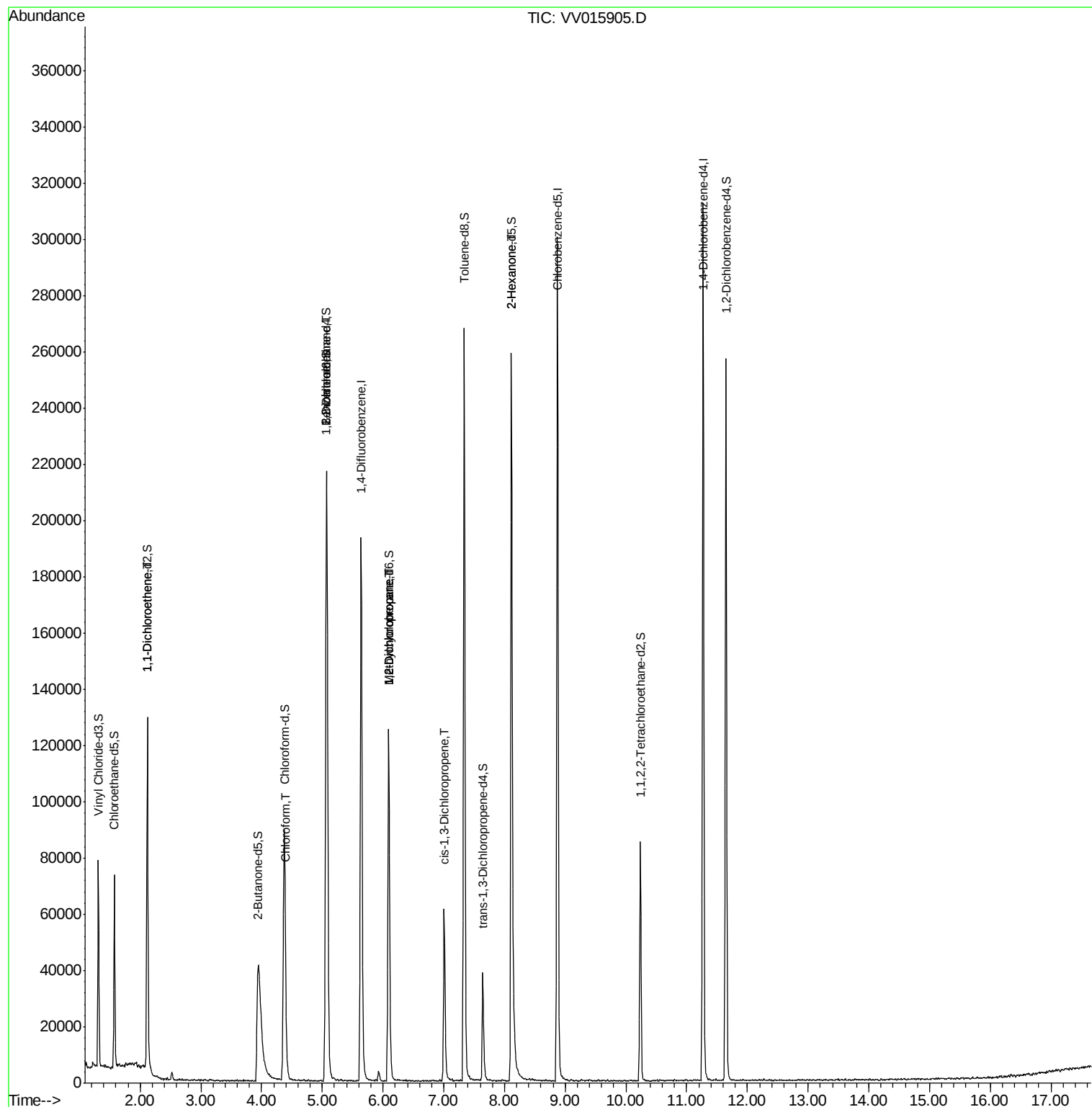
|                             |      |    |       |              | Ovalue |
|-----------------------------|------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.12 | 96 | 667   | 0.076 ug/L # | 1      |
| 25) Chloroform              | 4.40 | 83 | 3082  | 0.151 ug/L   | 77     |
| 27) 1,2-Dichloroethane      | 5.08 | 62 | 1193  | 0.094 ug/L # | 76     |
| 35) Methylcyclohexane       | 6.09 | 83 | 13906 | 0.791 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.09 | 63 | 7242  | 0.733 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.01 | 75 | 1583  | 0.114 ug/L # | 77     |
| 48) 2-Hexanone              | 8.12 | 43 | 11930 | 2.712 ug/L # | 74     |

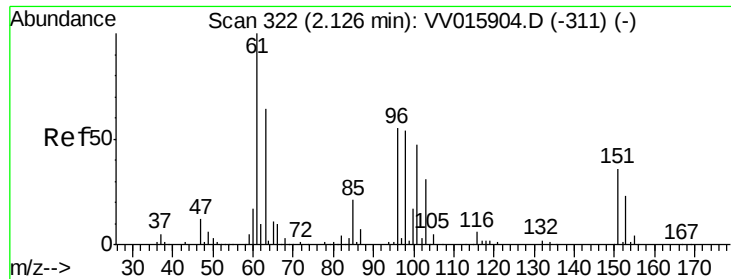
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
ClientSampleId :

Quant Time: May 07 02:03:21 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu May 07 02:01:25 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.076 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015905.D

Acq: 06 May 2020 13:10

Instrument :

MSVOA\_V

ClientSampled :

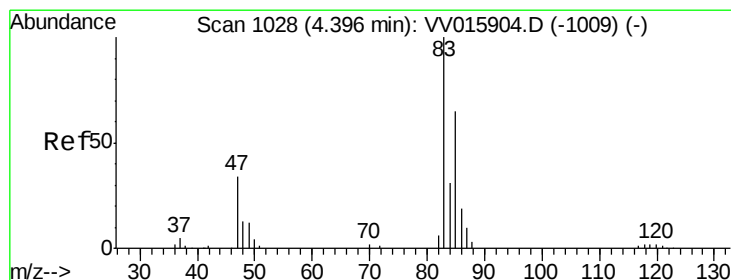
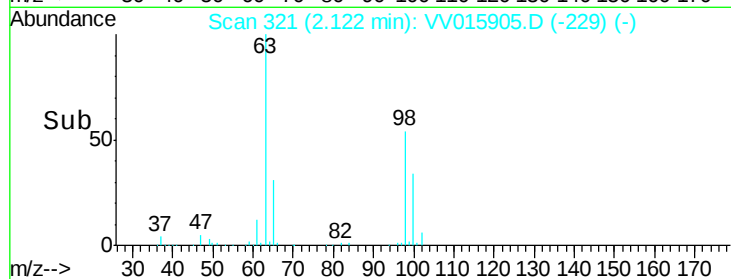
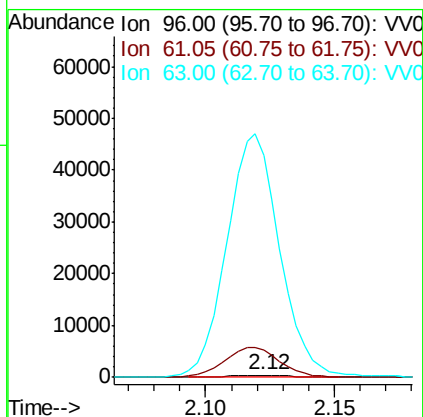
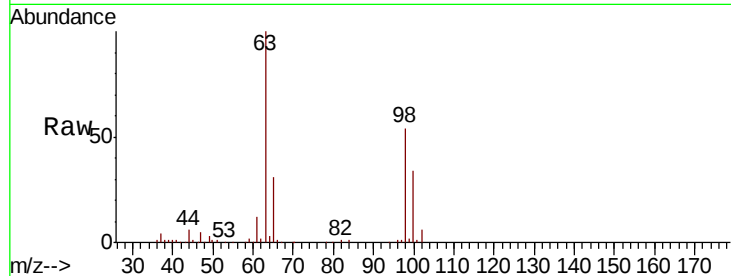
Tot Ion: 96 Resp: 667

Ion Ratio Lower Upper

96 100

61 1331.6 139.9 259.7#

63 10829.4 106.4 197.6#



#25

Chloroform

Concen: 0.151 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VV015905.D

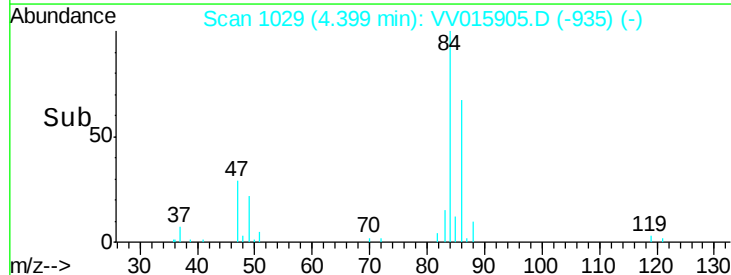
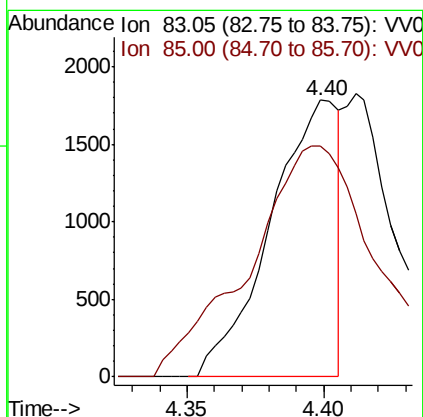
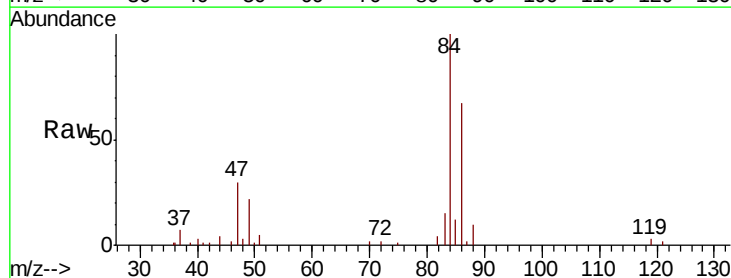
Acq: 06 May 2020 13:10

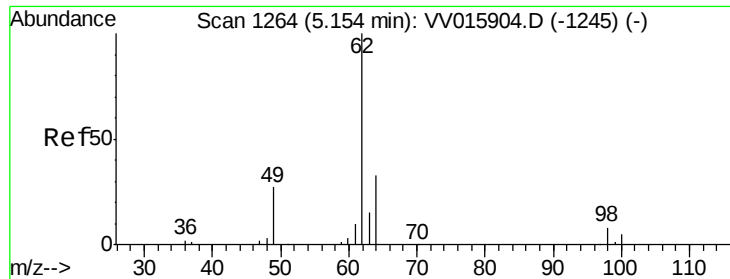
Tgt Ion: 83 Resp: 3082

Ion Ratio Lower Upper

83 100

85 83.4 45.7 84.9

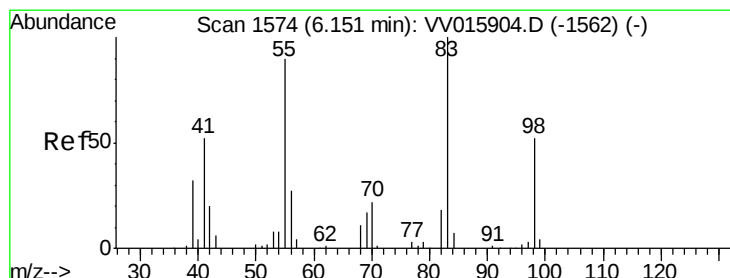
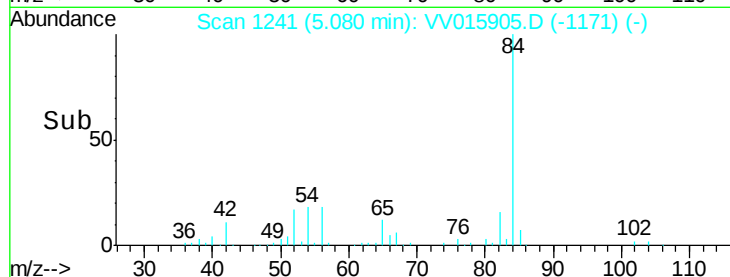
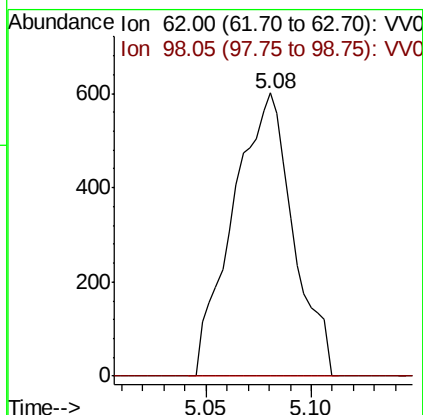
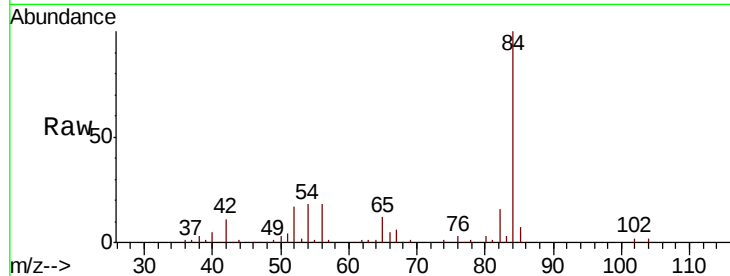




#27  
 1,2-Dichloroethane  
 Concen: 0.094 ug/L  
 RT: 5.08 min Scan# 1241  
 Delta R.T. -0.07 min  
 Lab File: VV015905.D  
 Acq: 06 May 2020 13:10

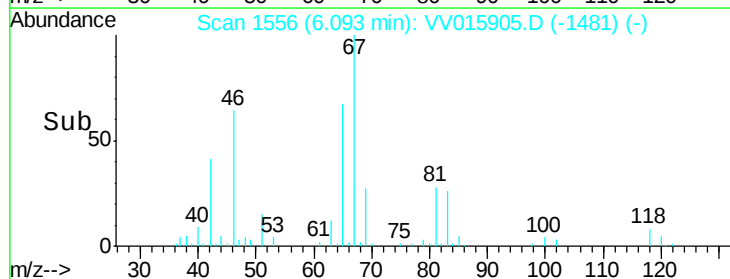
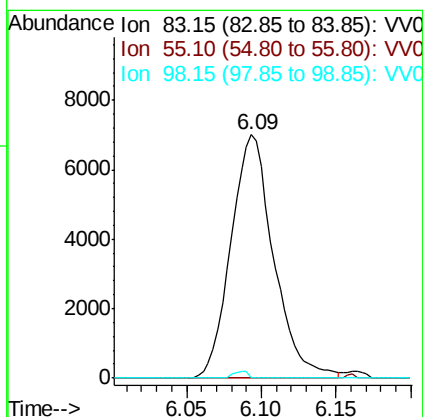
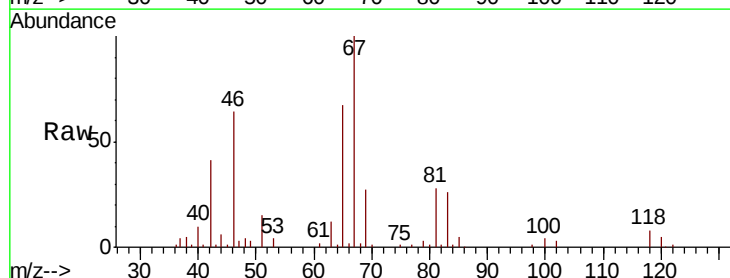
Instrument :  
 MSVOA\_V  
 ClientSampleId :

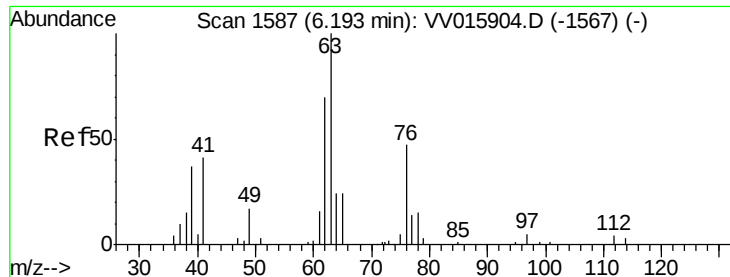
Tot Ion: 62 Resp: 1193  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 6.7 10.1#



#35  
 Methylcyclohexane  
 Concen: 0.791 ug/L  
 RT: 6.09 min Scan# 1556  
 Delta R.T. -0.06 min  
 Lab File: VV015905.D  
 Acq: 06 May 2020 13:10

Tgt Ion: 83 Resp: 13906  
 Ion Ratio Lower Upper  
 83 100  
 55 0.3 66.2 99.2#  
 98 1.0 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.733 ug/L

RT: 6.09 min Scan# 1555

Delta R.T. -0.10 min

Lab File: VV015905.D

Acq: 06 May 2020 13:10

Instrument :

MSVOA\_V

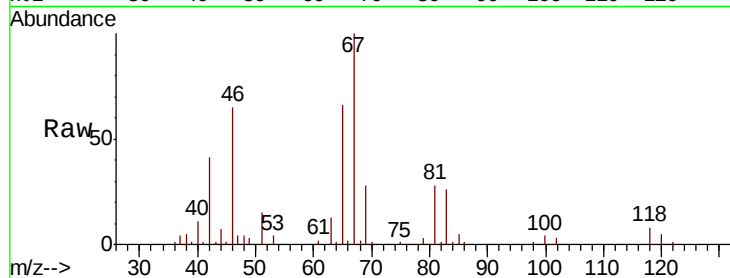
ClientSampleId :

Tot Ion: 63 Resp: 7242

Ion Ratio Lower Upper

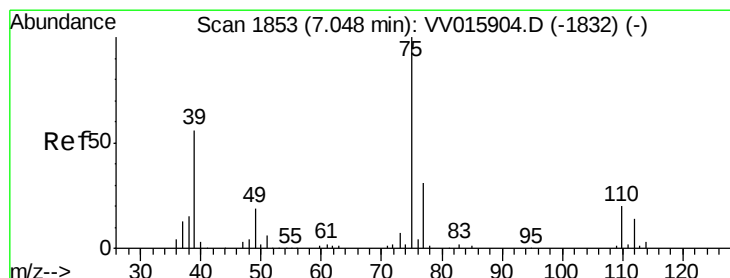
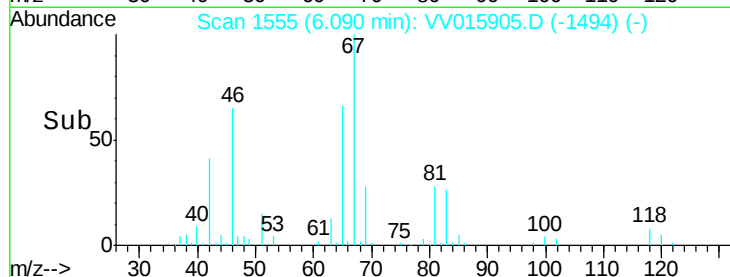
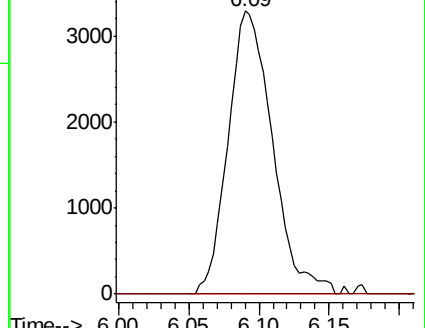
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV015904.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VV015904.D (-1567) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV015905.D

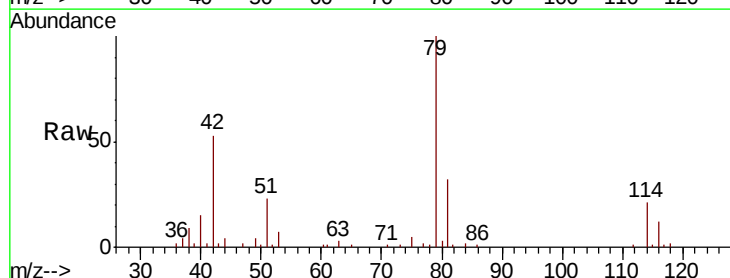
Acq: 06 May 2020 13:10

Tgt Ion: 75 Resp: 1583

Ion Ratio Lower Upper

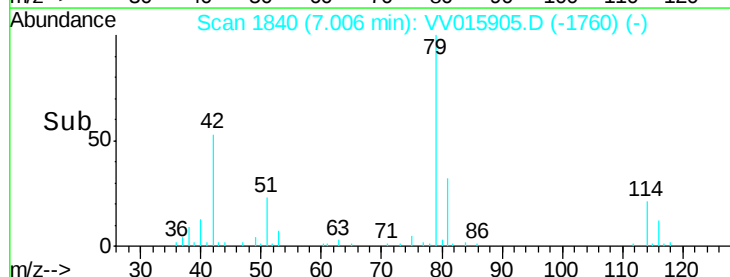
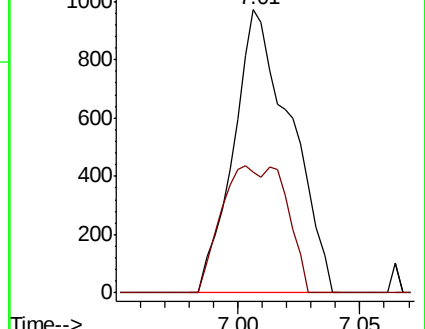
75 100

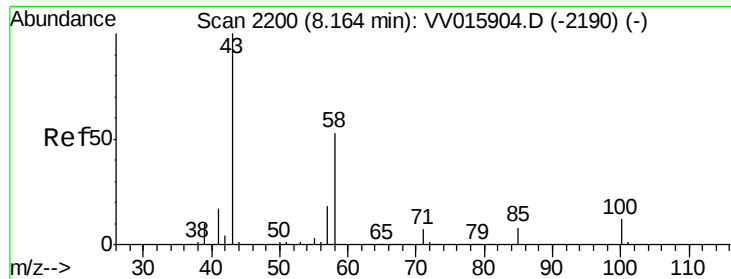
77 42.8 21.3 39.5#



Abundance Ion 75.05 (74.75 to 75.75): VV015904.D (-1832) (-)

Ion 77.05 (76.75 to 77.75): VV015904.D (-1832) (-)





#48

2-Hexanone

Concen: 2.712 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV015905.D

Acq: 06 May 2020 13:10

Instrument :  
MSVOA\_V  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 11930 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 32.1  | 40.8  | 61.2# |
| 57       | 26.8  | 14.7  | 22.1# |
| 100      | 0.0   | 9.0   | 13.6# |

