

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050620\  
 Data File : VV015912.D  
 Acq On : 06 May 2020 16:06  
 Operator : SY/MD  
 Sample : L2527-01  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: May 07 02:04:55 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  | 149512   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 146040   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 67693    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 42816    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 39655    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 66203    | 3.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 71.60%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 112918   | 47.37    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 94.74%  |
| 24) Chloroform-d               | 4.38   | 84    | 89277    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 50079    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.80%  |
| 32) Benzene-d6                 | 5.08   | 84    | 177455   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 54713    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.00%  |
| 41) Toluene-d8                 | 7.34   | 98    | 159972   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.00%  |
| 43) trans-1,3-Dichloropropene- | 7.64   | 79    | 18909    | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.20%  |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 82938    | 42.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 85.44%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 35689    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 57596    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.20% |

## Target Compounds

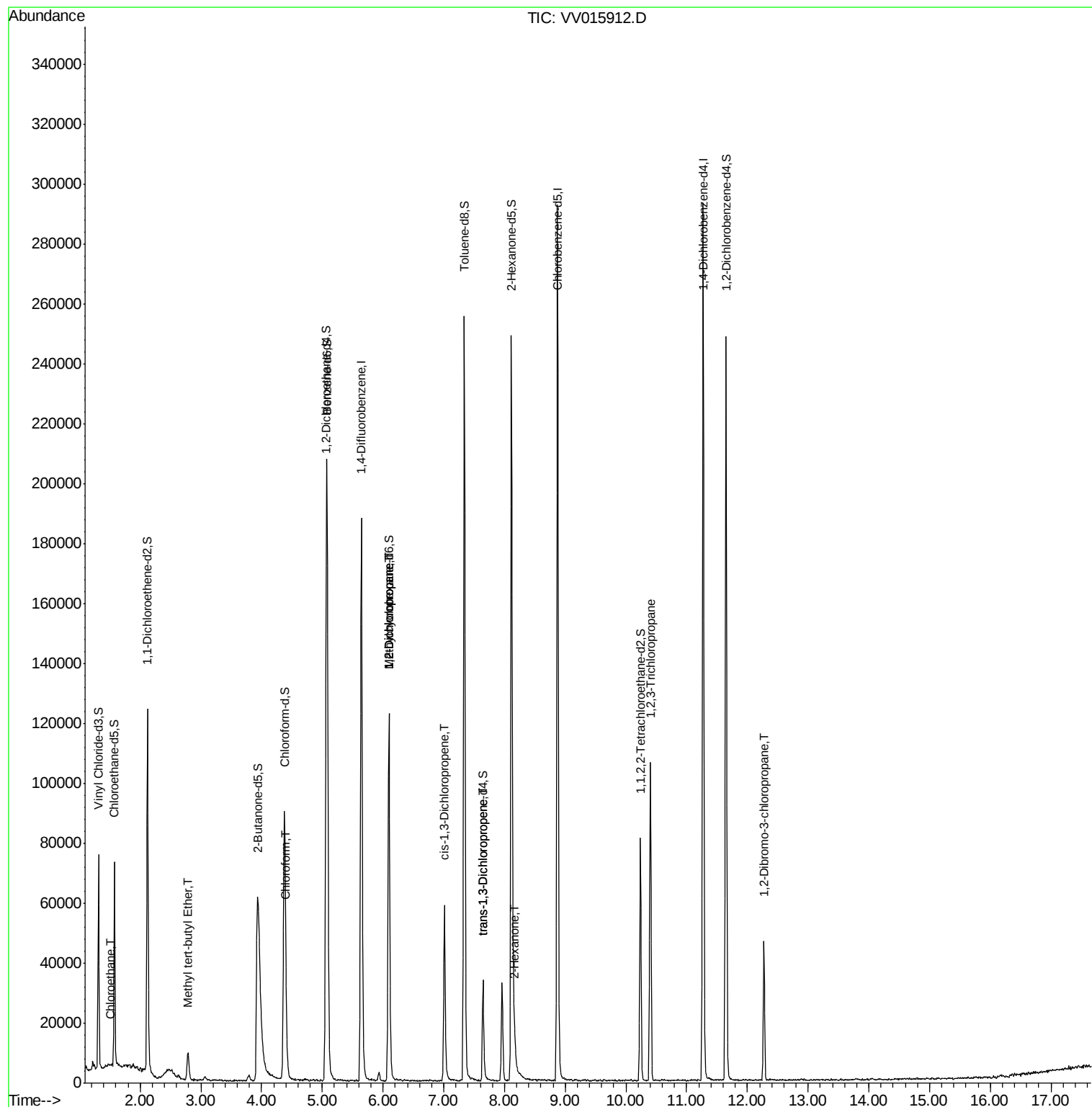
|                                |       |    |       |              | Ovalue |
|--------------------------------|-------|----|-------|--------------|--------|
| 8) Chloroethane                | 1.50  | 64 | 3954  | 0.569 ug/L # | 41     |
| 17) Methyl tert-butyl Ether    | 2.79  | 73 | 8615  | 0.388 ug/L # | 89     |
| 25) Chloroform                 | 4.41  | 83 | 9438  | 0.482 ug/L   | 93     |
| 35) Methylcyclohexane          | 6.09  | 83 | 13758 | 0.808 ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.10  | 63 | 7066  | 0.738 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene    | 7.01  | 75 | 1812  | 0.135 ug/L   | 96     |
| 44) trans-1,3-Dichloropropene  | 7.64  | 75 | 924   | 0.081 ug/L # | 56     |
| 48) 2-Hexanone                 | 8.17  | 43 | 4297  | 1.008 ug/L # | 90     |
| 59) 1,2,3-Trichloropropane     | 10.40 | 75 | 1211  | 0.207 ug/L # | 42     |
| 66) 1,2-Dibromo-3-chloropropan | 12.27 | 75 | 1608  | 1.336 ug/L # | 14     |

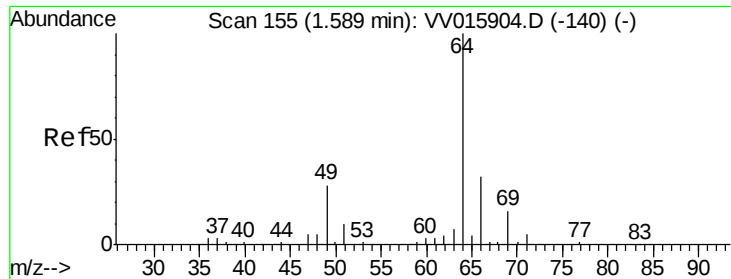
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
ClientSampleId :

Quant Time: May 07 02:04:55 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





#8

Chloroethane

Concen: 0.569 ug/L

RT: 1.50 min Scan# 128

Delta R.T. -0.09 min

Lab File: VV015912.D

Acq: 06 May 2020 16:06

Instrument :

MSVOA\_V

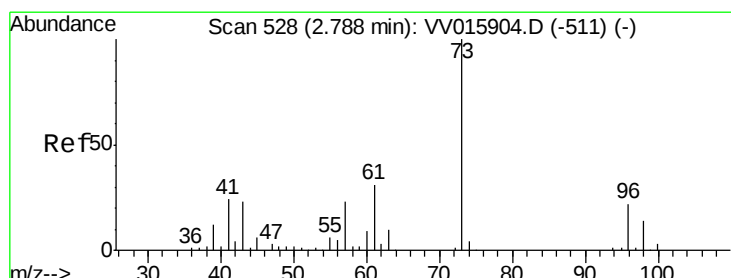
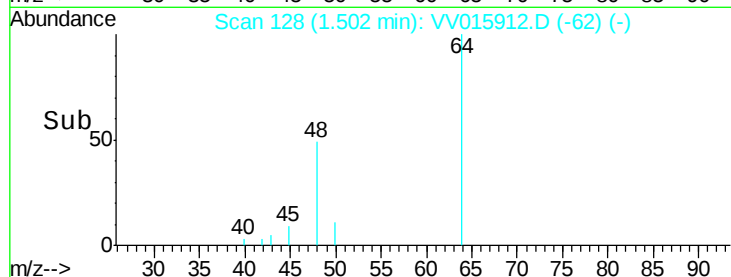
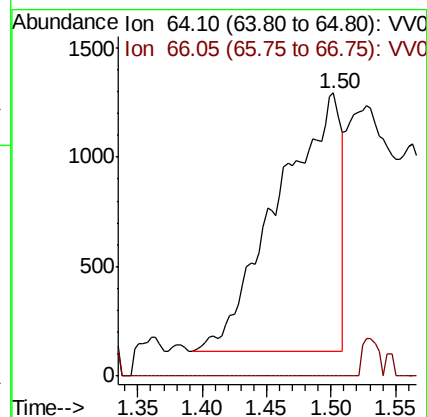
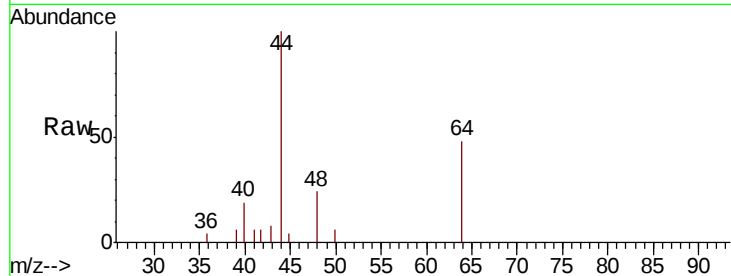
ClientSampled :

Tot Ion: 64 Resp: 3954

Ion Ratio Lower Upper

64 100

66 0.0 23.6 43.8#



#17

Methyl tert-butyl Ether

Concen: 0.388 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV015912.D

Acq: 06 May 2020 16:06

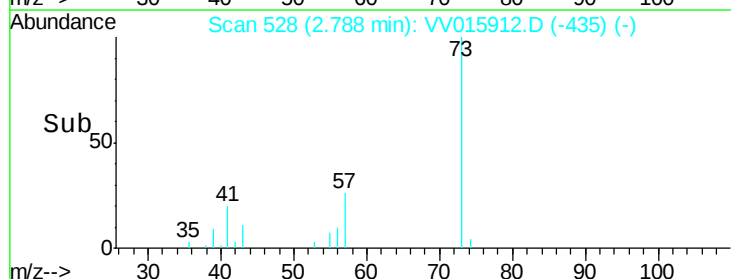
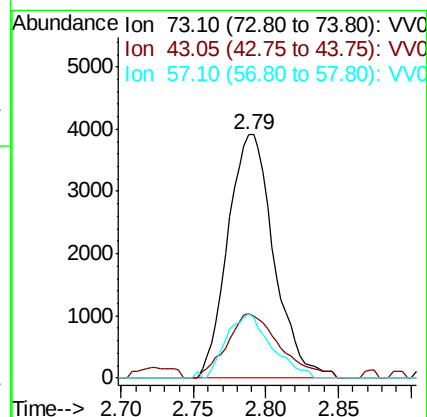
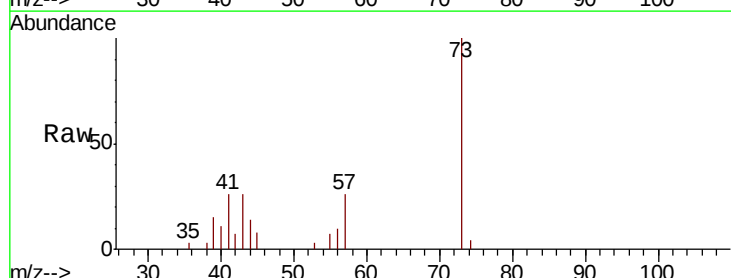
Tgt Ion: 73 Resp: 8615

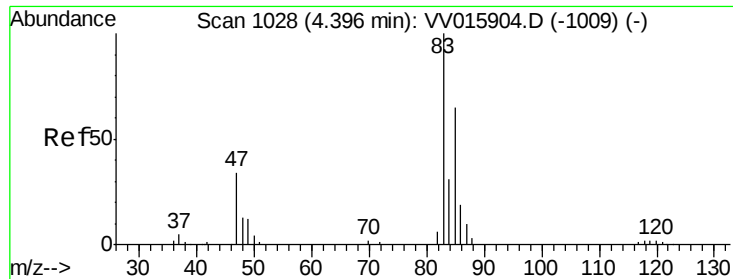
Ion Ratio Lower Upper

73 100

43 30.6 18.8 28.2#

57 25.8 17.8 26.6





#25

Chloroform

Concen: 0.482 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV015912.D

Acq: 06 May 2020 16:06

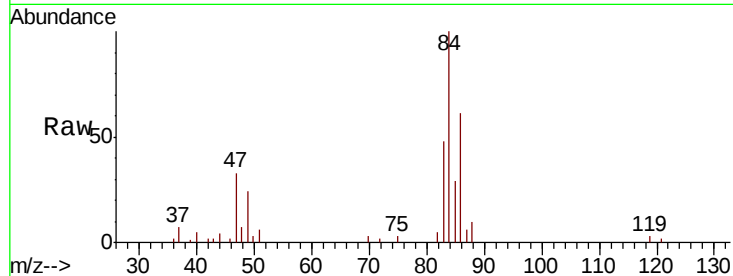
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 83 Resp: 9438

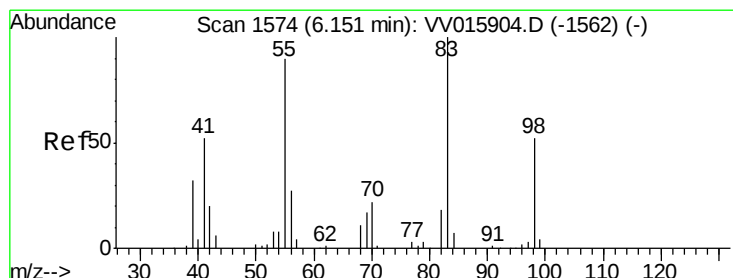
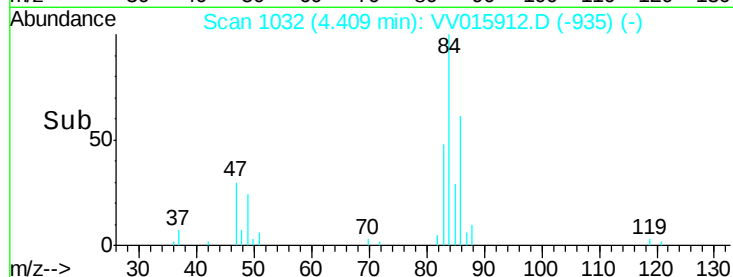
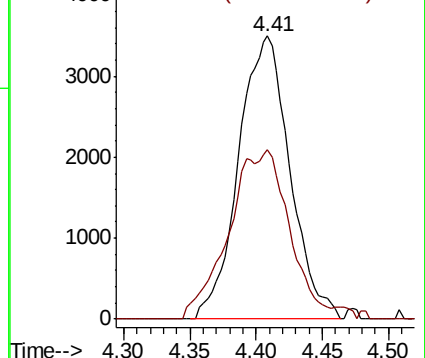
Ion Ratio Lower Upper

83 100

85 59.8 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV015912.D (-935) (-)



#35

Methylcyclohexane

Concen: 0.808 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015912.D

Acq: 06 May 2020 16:06

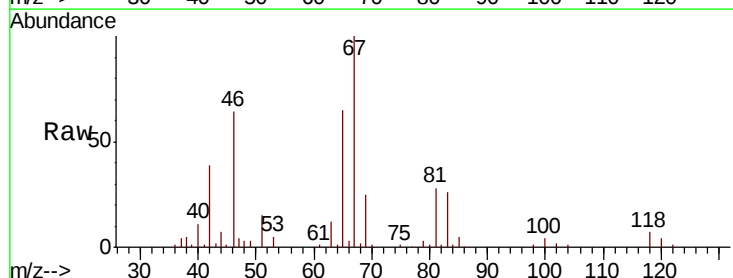
Tgt Ion: 83 Resp: 13758

Ion Ratio Lower Upper

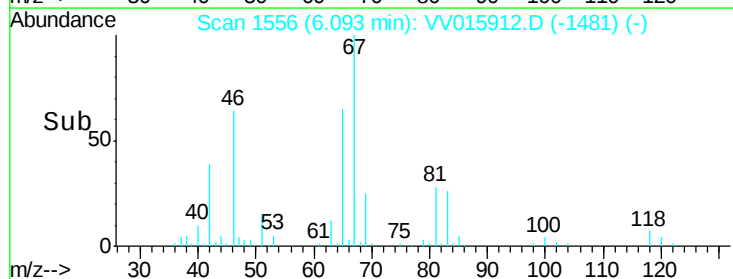
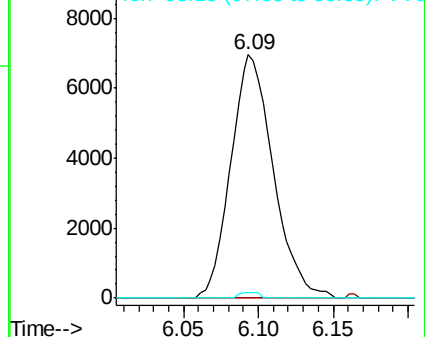
83 100

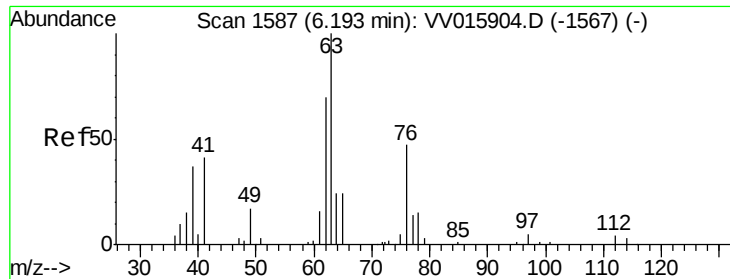
55 0.3 66.2 99.2#

98 1.1 37.9 56.9#



Abundance Ion 83.15 (82.85 to 83.85): VV015912.D (-1481) (-)

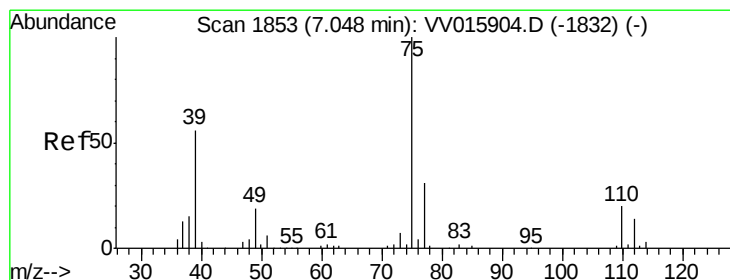
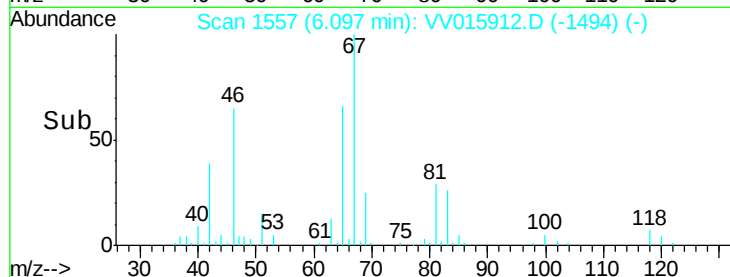
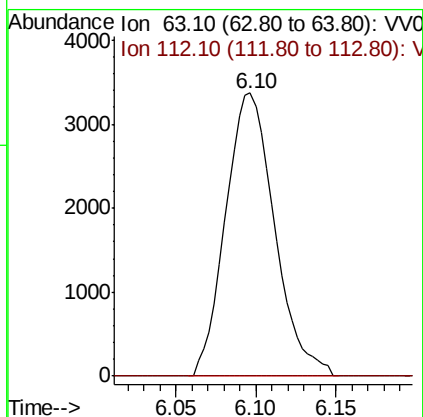
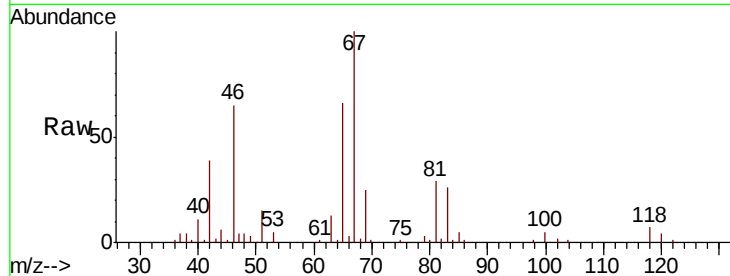




#37  
 1,2-Dichloropropane  
 Concen: 0.738 ug/L  
 RT: 6.10 min Scan# 1557  
 Delta R.T. -0.10 min  
 Lab File: VV015912.D  
 Acq: 06 May 2020 16:06

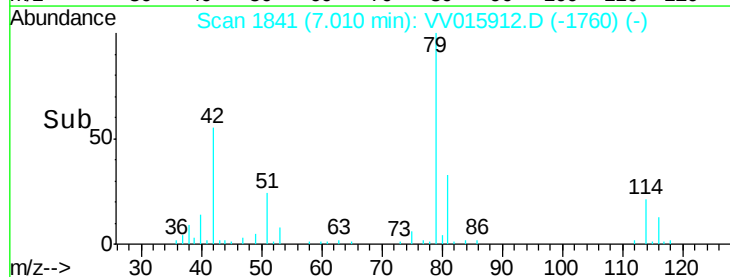
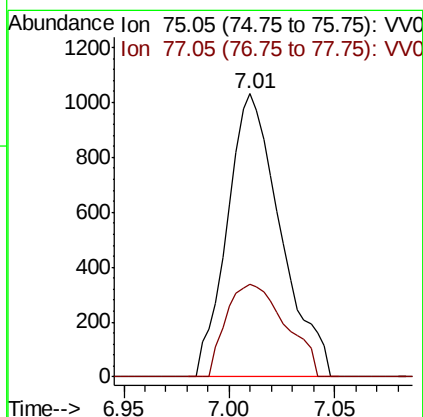
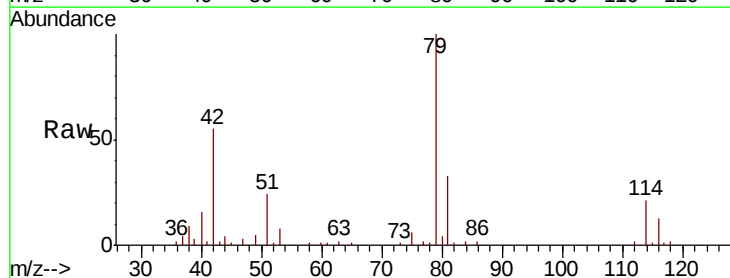
Instrument :  
 MSVOA\_V  
 ClientSampleId :

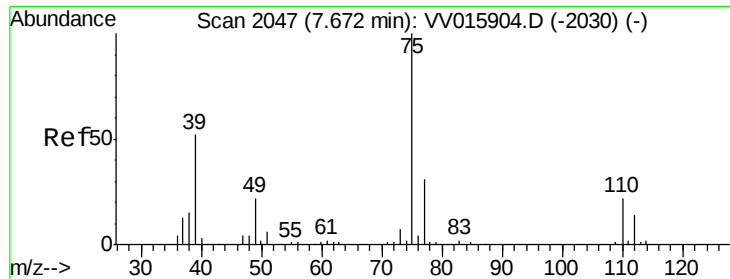
Tot Ion: 63 Resp: 7066  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.0#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.135 ug/L  
 RT: 7.01 min Scan# 1841  
 Delta R.T. -0.04 min  
 Lab File: VV015912.D  
 Acq: 06 May 2020 16:06

Tgt Ion: 75 Resp: 1812  
 Ion Ratio Lower Upper  
 75 100  
 77 32.8 21.3 39.5





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV015912.D

Acq: 06 May 2020 16:06

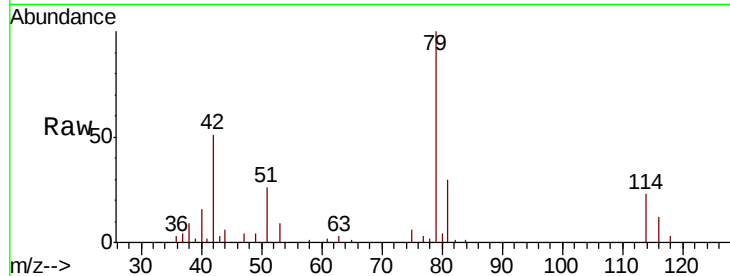
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 75 Resp: 924

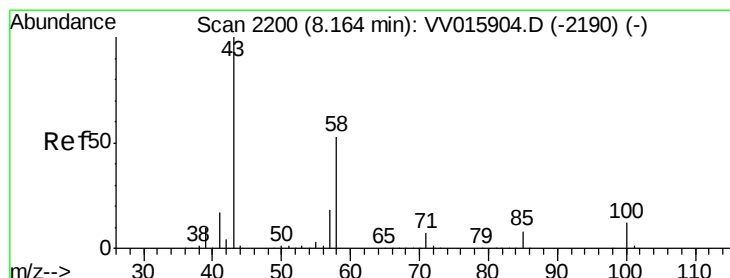
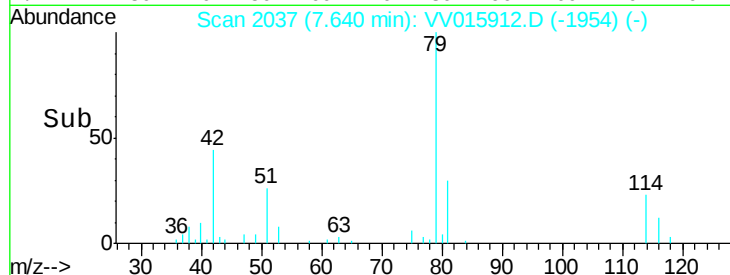
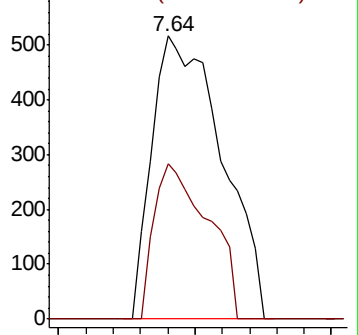
Ion Ratio Lower Upper

75 100

77 54.7 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015912.D (-1954) (-)



#48

2-Hexanone

Concen: 1.008 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015912.D

Acq: 06 May 2020 16:06

Tgt Ion: 43 Resp: 4297

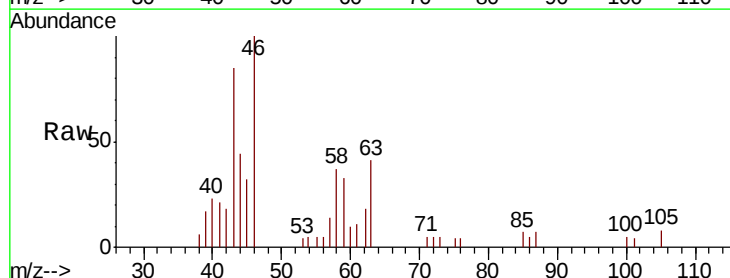
Ion Ratio Lower Upper

43 100

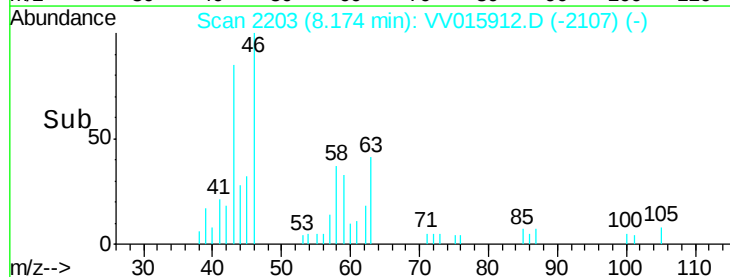
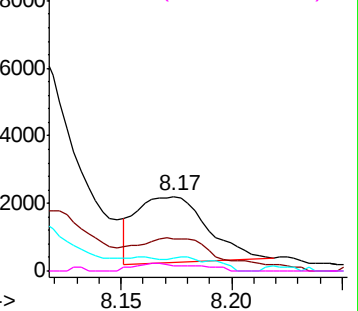
58 57.1 40.8 61.2

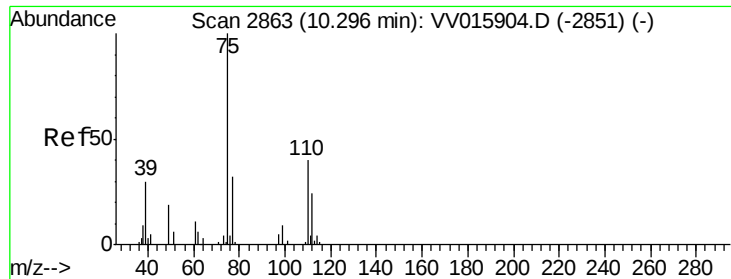
57 12.4 14.7 22.1#

100 6.7 9.0 13.6#



Abundance Ion 43.05 (42.75 to 43.75): VV015912.D (-2107) (-)





#59

1,2,3-Trichloropropane

Concen: 0.207 ug/L

RT: 10.40 min Scan# 2894

Delta R.T. 0.10 min

Lab File: VV015912.D

Acq: 06 May 2020 16:06

Instrument :

MSVOA\_V

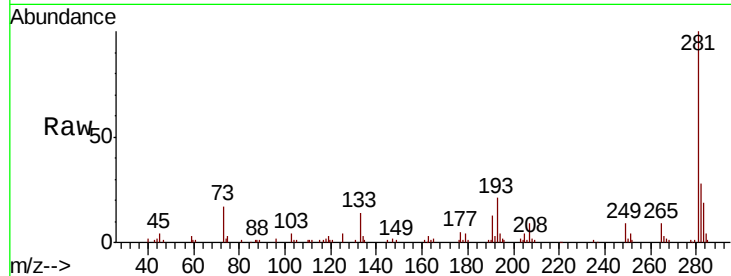
ClientSampleId :

Tot Ion: 75 Resp: 1211

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.40

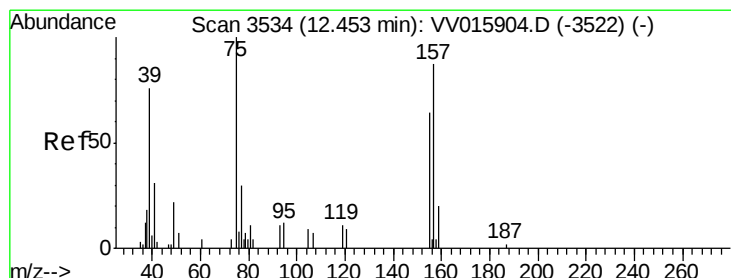
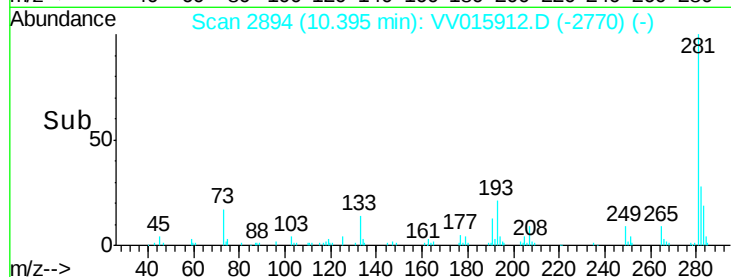
600

400

200

0

Time--> 10.35 10.40



#66

1,2-Dibromo-3-chloropropane

Concen: 1.336 ug/L

RT: 12.27 min Scan# 3477

Delta R.T. -0.18 min

Lab File: VV015912.D

Acq: 06 May 2020 16:06

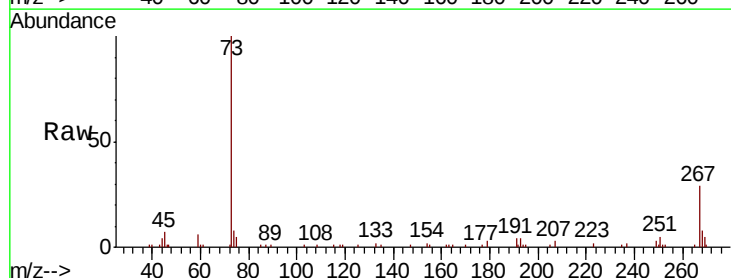
Tgt Ion: 75 Resp: 1608

Ion Ratio Lower Upper

75 100

155 15.7 58.2 87.4#

157 0.0 79.4 119.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

1200

1000

800

600

400

200

0

Time--> 12.25 12.30

