

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052620\  
 Data File : VU038296.D  
 Acq On : 26 May 2020 14:50  
 Operator : JC/MD  
 Sample : L2724-09  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 27 06:54:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed May 27 06:51:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 321966   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 310745   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 153086   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 116539   | 3.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.20%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 101514   | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 79.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 172296   | 3.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.00%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 350729   | 48.27    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.54%  |
| 24) Chloroform-d               | 5.10   | 84    | 214056   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 126716   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.00%  |
| 32) Benzene-d6                 | 5.76   | 84    | 461017   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 140415   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.40%  |
| 41) Toluene-d8                 | 7.93   | 98    | 402361   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.20%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 56310    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.60%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 291734   | 51.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.64% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 112203   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 155167   | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.20% |

## Target Compounds

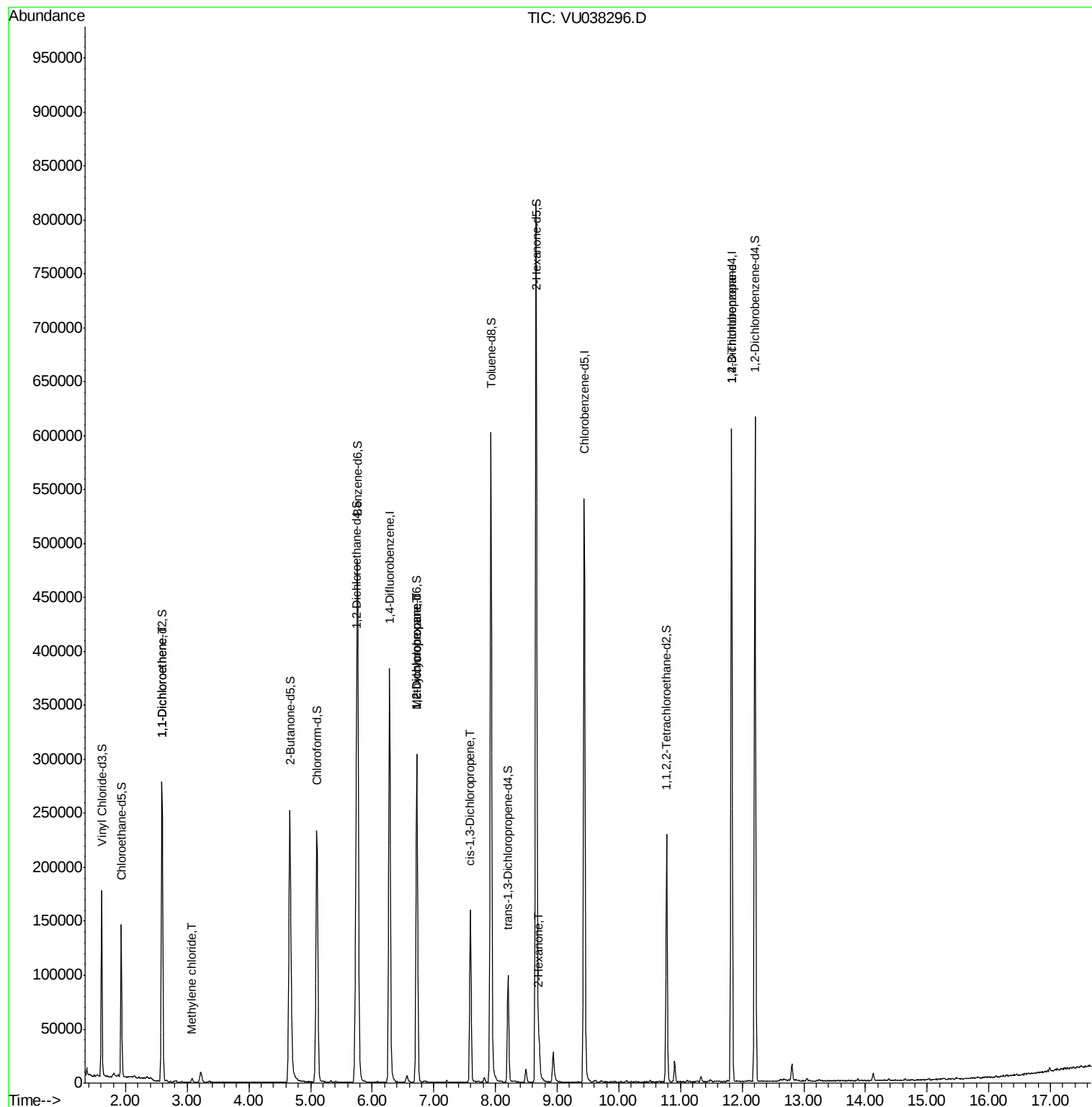
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.59  | 96 | 1344  | 0.060 ug/L # | 1      |
| 16) Methylene chloride      | 3.08  | 84 | 1932  | 0.074 ug/L   | 84     |
| 35) Methylcyclohexane       | 6.72  | 83 | 33442 | 0.829 ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 15136 | 0.560 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 3886  | 0.100 ug/L # | 65     |
| 48) 2-Hexanone              | 8.71  | 43 | 15691 | 1.144 ug/L # | 97     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 19813 | 1.092 ug/L   | 90     |

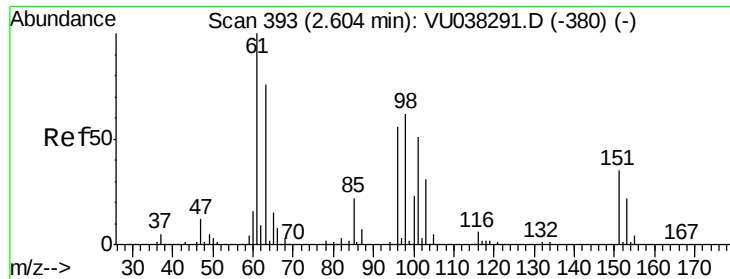
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU052620\  
Data File : VU038296.D  
Acq On : 26 May 2020 14:50  
Operator : JC/MD  
Sample : L2724-09  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: May 27 06:54:37 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed May 27 06:51:51 2020  
Response via : Initial Calibration

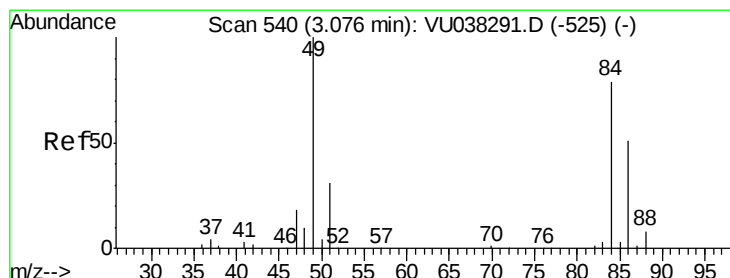
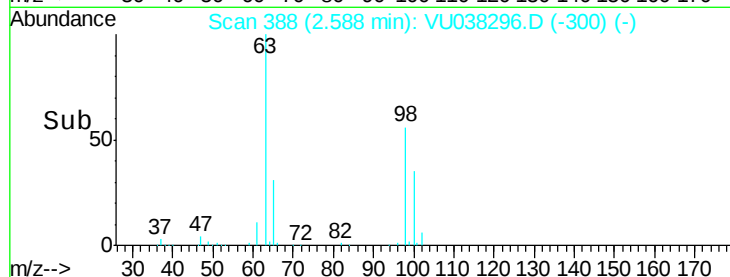
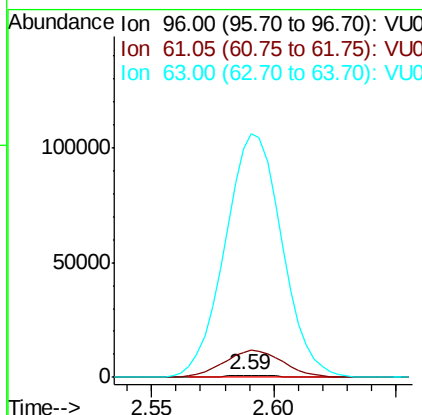
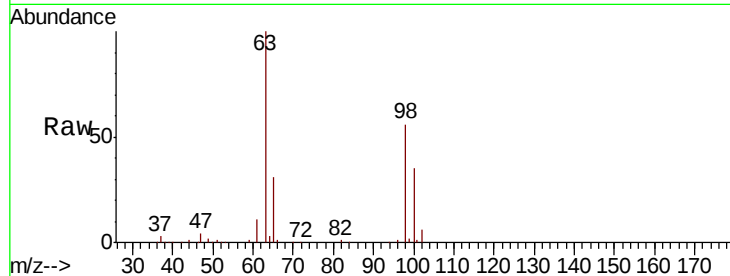




#12  
 1,1-Dichloroethene  
 Concen: 0.060 ug/L  
 RT: 2.59 min Scan# 388  
 Delta R.T. -0.02 min  
 Lab File: VU038296.D  
 Acq: 26 May 2020 14:50

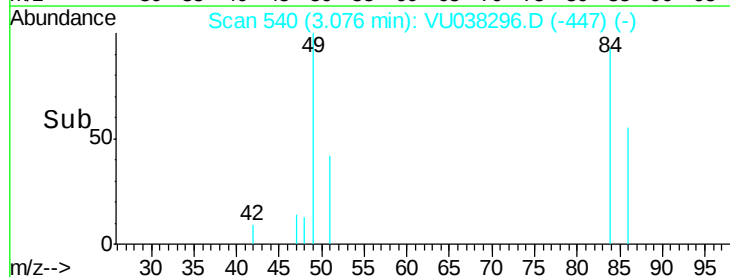
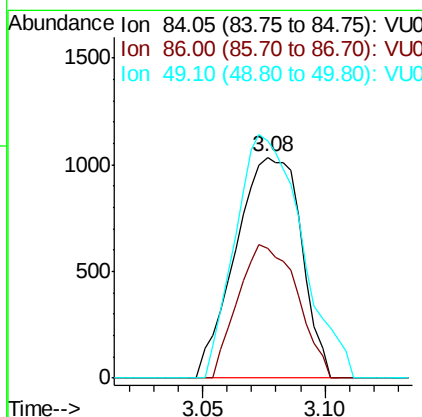
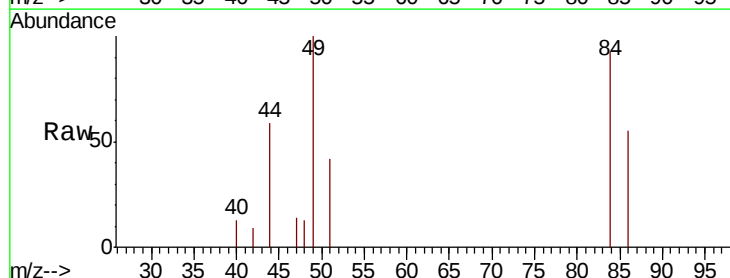
Instrument :  
 MSVOA\_U  
 ClientSampleId :

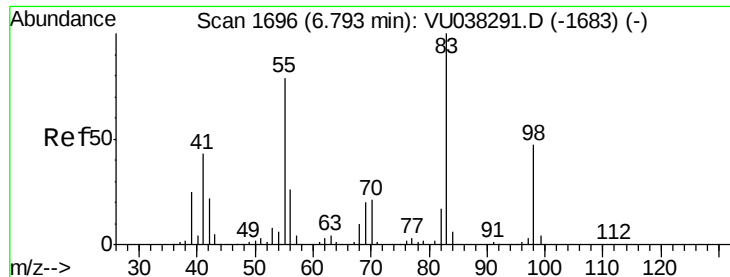
Tot Ion: 96 Resp: 1344  
 Ion Ratio Lower Upper  
 96 100  
 61 1374.2 126.2 234.4#  
 63 12463.2 96.9 179.9#



#16  
 Methylene chloride  
 Concen: 0.074 ug/L  
 RT: 3.08 min Scan# 540  
 Delta R.T. 0.00 min  
 Lab File: VU038296.D  
 Acq: 26 May 2020 14:50

Tgt Ion: 84 Resp: 1932  
 Ion Ratio Lower Upper  
 84 100  
 86 58.5 44.9 83.3  
 49 107.2 92.0 170.9

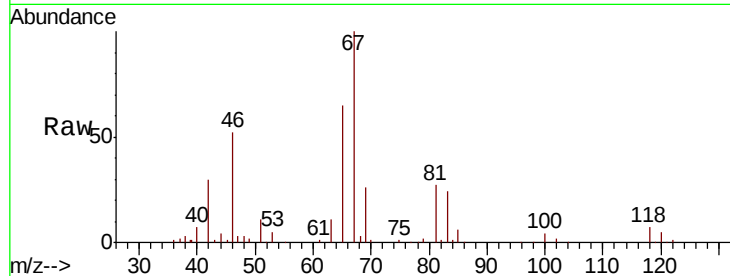




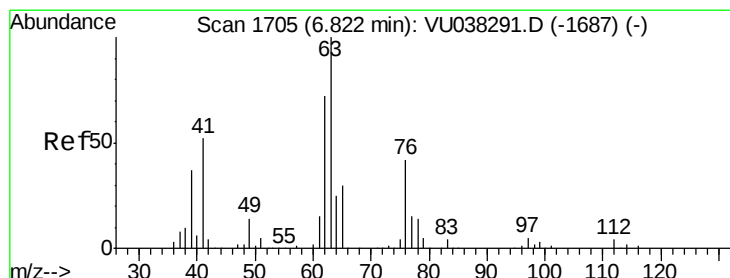
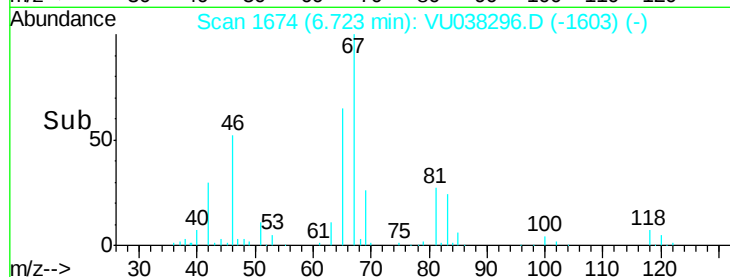
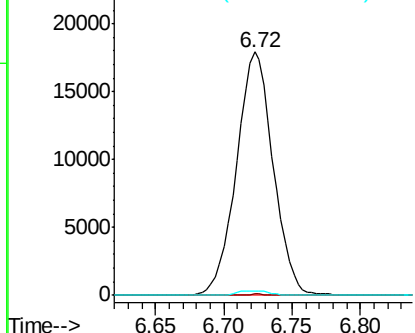
#35  
Methvlcvclohexane  
Concen: 0.829 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.07 min  
Lab File: VU038296.D  
Acq: 26 May 2020 14:50

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 33442  
Ion Ratio Lower Upper  
83 100  
55 0.2 66.7 100.1#  
98 1.6 39.4 59.2#

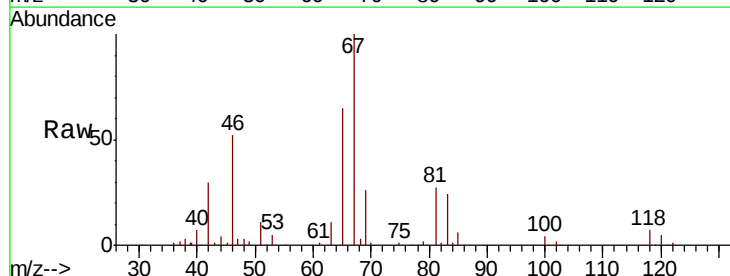


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

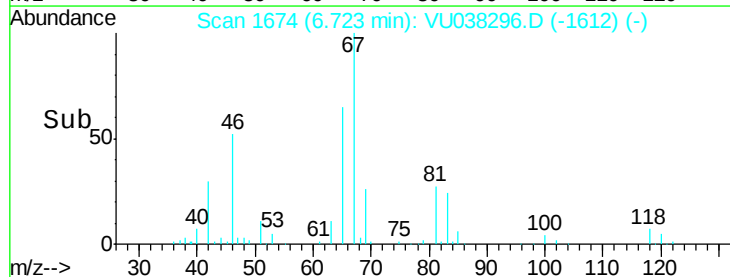
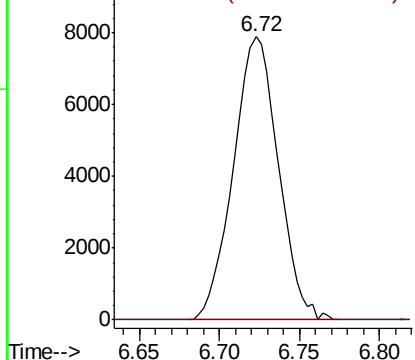


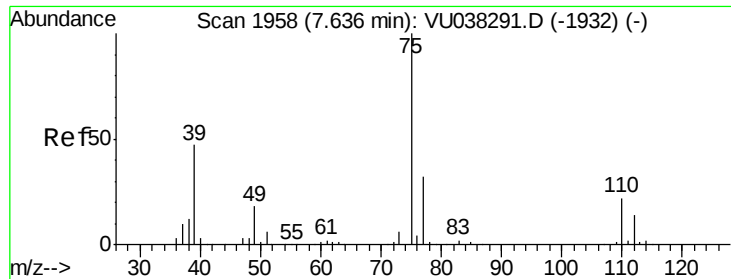
#37  
1,2-Dichloropropane  
Concen: 0.560 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.10 min  
Lab File: VU038296.D  
Acq: 26 May 2020 14:50

Tgt Ion: 63 Resp: 15136  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V

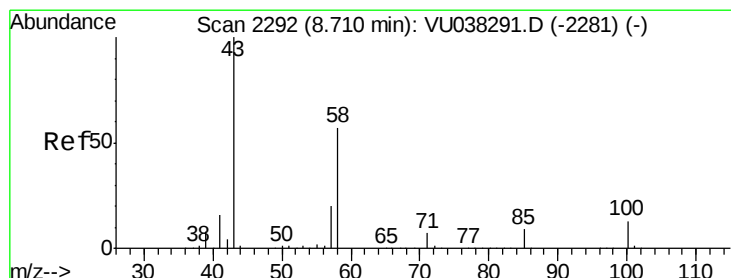
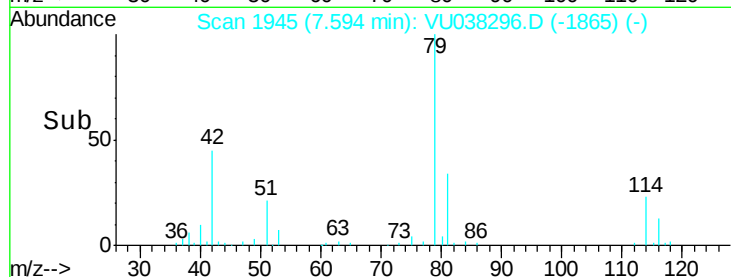
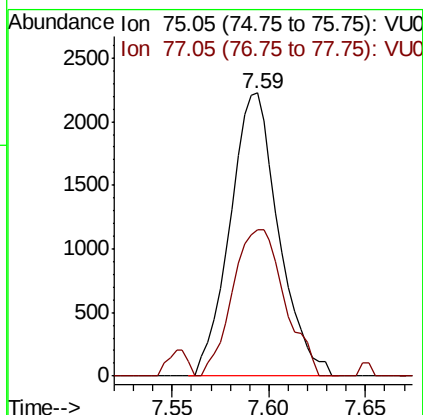
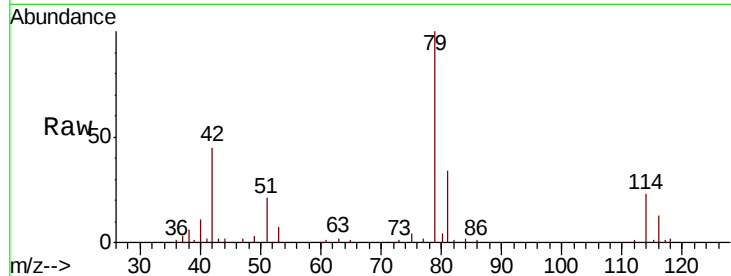




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.100 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU038296.D  
 Acq: 26 May 2020 14:50

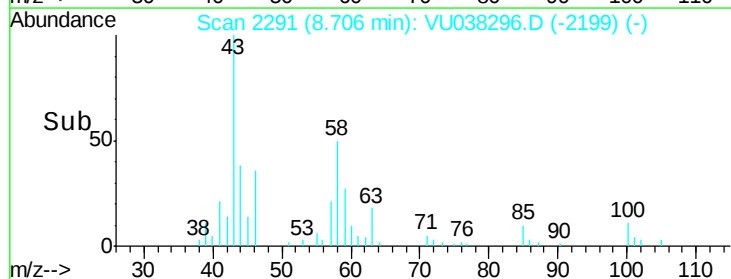
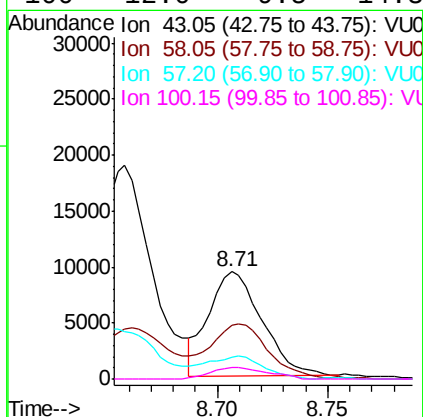
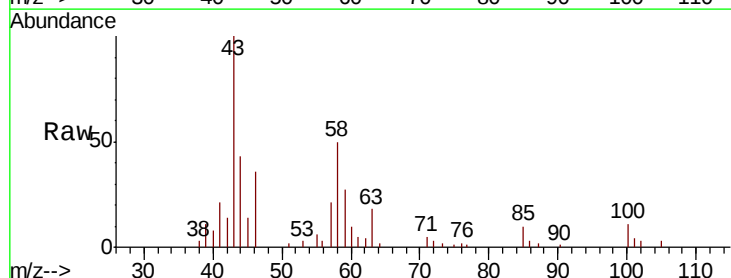
Instrument :  
 MSVOA\_U  
 ClientSampleId :

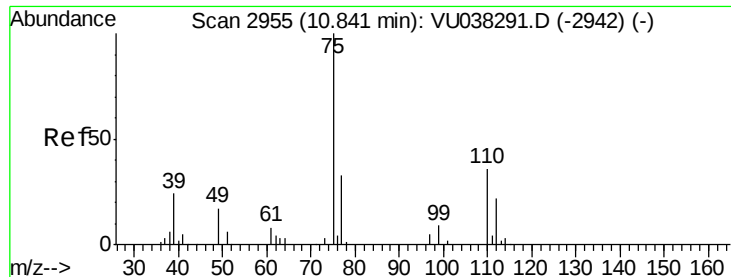
Tot Ion: 75 Resp: 3886  
 Ion Ratio Lower Upper  
 75 100  
 77 51.5 22.4 41.6#



#48  
 2-Hexanone  
 Concen: 1.144 ug/L  
 RT: 8.71 min Scan# 2291  
 Delta R.T. -0.00 min  
 Lab File: VU038296.D  
 Acq: 26 May 2020 14:50

Tgt Ion: 43 Resp: 15691  
 Ion Ratio Lower Upper  
 43 100  
 58 57.5 45.2 67.8  
 57 23.5 15.5 23.3#  
 100 12.0 9.5 14.3





#59

1,2,3-Trichloropropane

Concen: 1.092 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU038296.D

Acq: 26 May 2020 14:50

Instrument :

MSVOA\_U

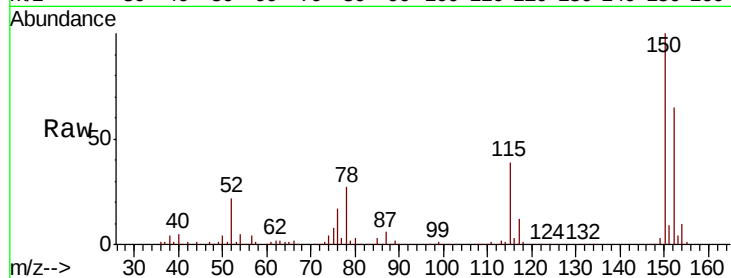
ClientSampleId :

Tot Ion: 75 Resp: 19813

Ion Ratio Lower Upper

75 100

77 37.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

