

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
 Data File : VU038053.D  
 Acq On : 07 May 2020 20:51  
 Operator : JC/MD  
 Sample : L2527-16  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 08 01:55:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri May 08 01:51:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 364481   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 361558   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 167611   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 149377   | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.60% |
| 7) Chloroethane-d5             | 1.93   | 69    | 125785   | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 87.20% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 180940   | 3.25     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.00% |
| 20) 2-Butanone-d5              | 4.66   | 46    | 317189   | 38.56    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 77.12% |
| 24) Chloroform-d               | 5.10   | 84    | 195231   | 3.86     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 77.20% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 126593   | 4.37     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.40% |
| 32) Benzene-d6                 | 5.76   | 84    | 494324   | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.20% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 158200   | 4.52     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.40% |
| 41) Toluene-d8                 | 7.92   | 98    | 440796   | 4.53     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.60% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 55040    | 3.93     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.60% |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 280747   | 42.44    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 84.88% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 113288   | 4.11     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 82.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 152065   | 4.66     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.20% |

## Target Compounds

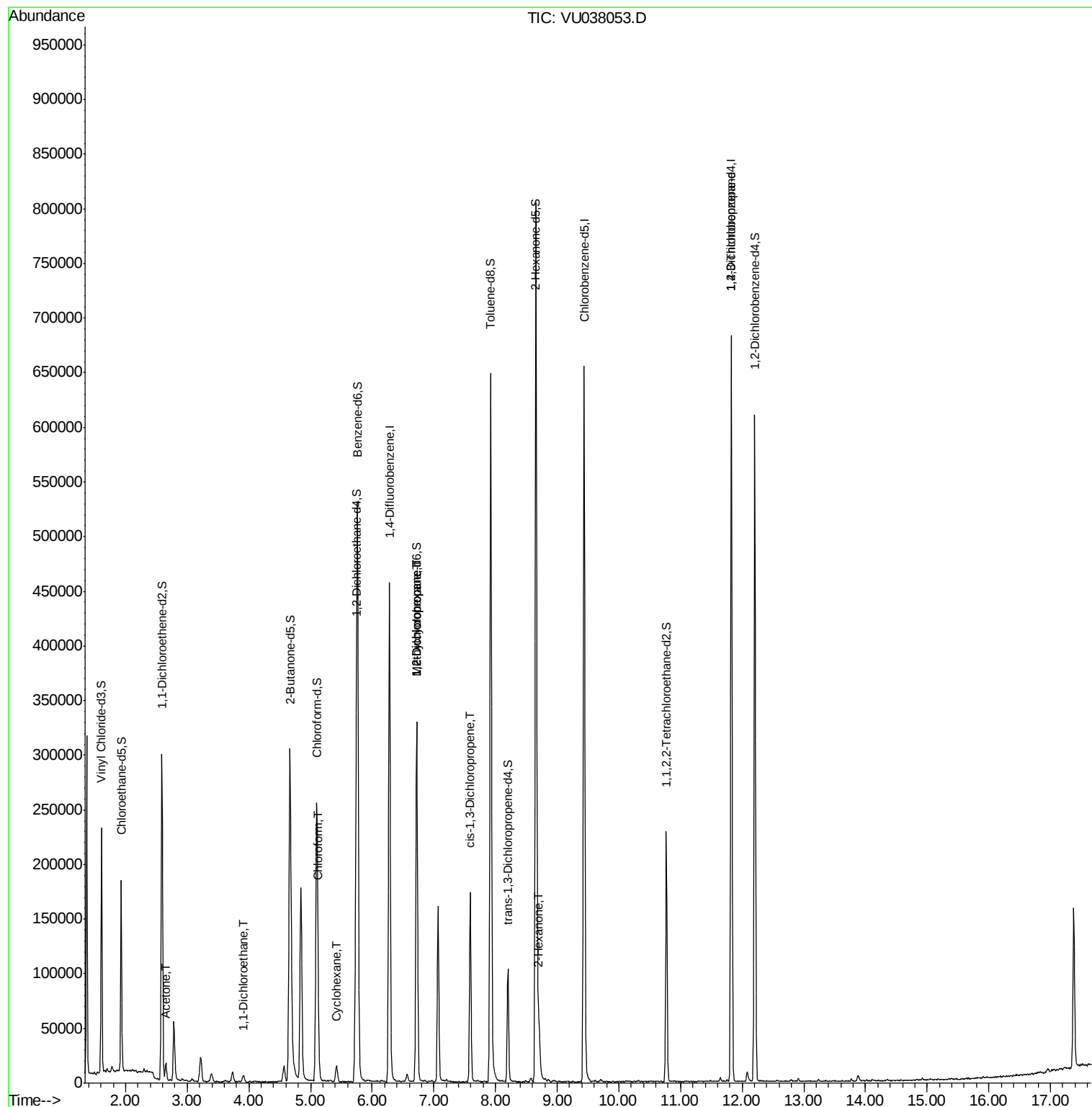
|                             |       |    |       |       | Ovalue    |
|-----------------------------|-------|----|-------|-------|-----------|
| 13) Acetone                 | 2.65  | 43 | 17916 | 3.472 | ug/L 97   |
| 19) 1,1-Dichloroethane      | 3.91  | 63 | 7625  | 0.141 | ug/L 94   |
| 25) Chloroform              | 5.13  | 83 | 25855 | 0.514 | ug/L 98   |
| 30) Cyclohexane             | 5.42  | 56 | 7018  | 0.143 | ug/L 91   |
| 35) Methylcyclohexane       | 6.72  | 83 | 34939 | 0.745 | ug/L # 16 |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 16223 | 0.516 | ug/L # 88 |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 3944  | 0.088 | ug/L # 47 |
| 48) 2-Hexanone              | 8.71  | 43 | 29839 | 1.869 | ug/L # 95 |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 23142 | 1.096 | ug/L 92   |

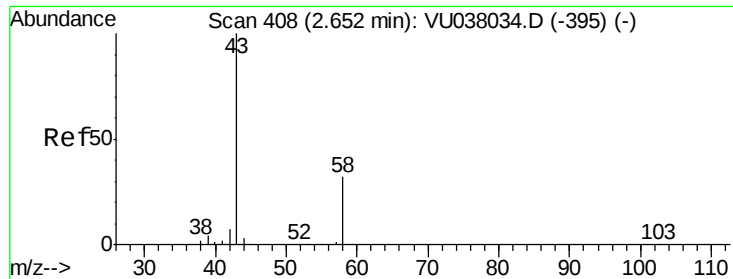
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
Data File : VU038053.D  
Acq On : 07 May 2020 20:51  
Operator : JC/MD  
Sample : L2527-16  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: May 08 01:55:30 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri May 08 01:51:41 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 3.472 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU038053.D

Acq: 07 May 2020 20:51

Instrument :

MSVOA\_U

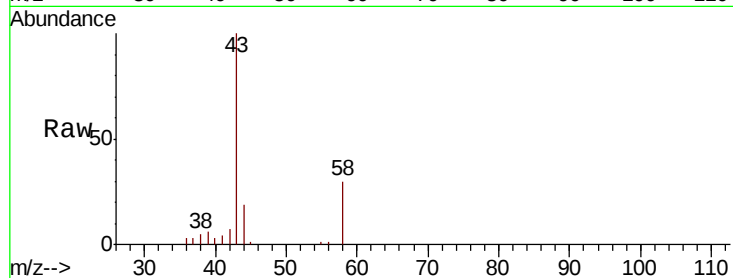
ClientSampleId :

Tot Ion: 43 Resp: 17916

Ion Ratio Lower Upper

43 100

58 30.0 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038053.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU038053.D (-315) (-)

2.65

12000

10000

8000

6000

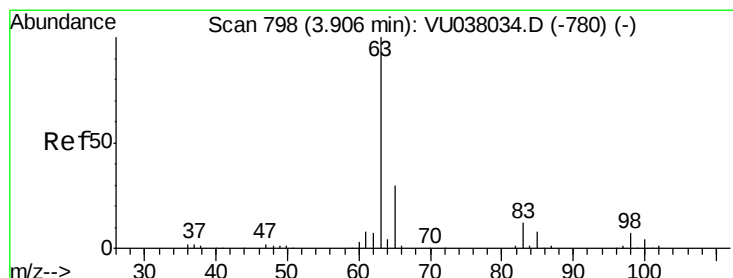
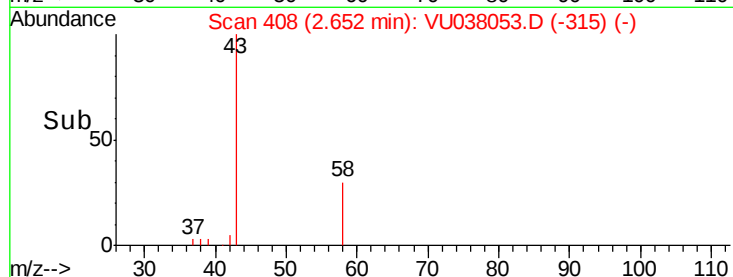
4000

2000

0

Time-->

2.60 2.65 2.70



#19

1,1-Dichloroethane

Concen: 0.141 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038053.D

Acq: 07 May 2020 20:51

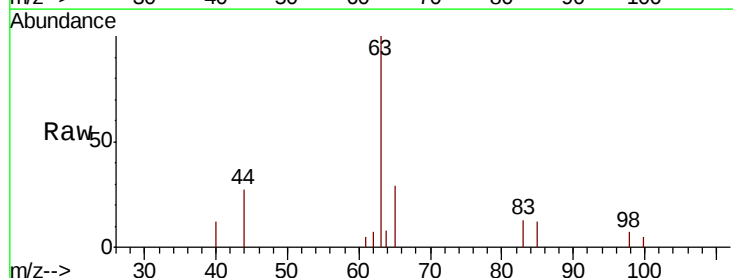
Tgt Ion: 63 Resp: 7625

Ion Ratio Lower Upper

63 100

65 27.4 22.5 41.7

83 12.3 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038053.D (-705) (-)

Ion 65.10 (64.80 to 65.80): VU038053.D (-705) (-)

Ion 83.05 (82.75 to 83.75): VU038053.D (-705) (-)

3.91

4000

3000

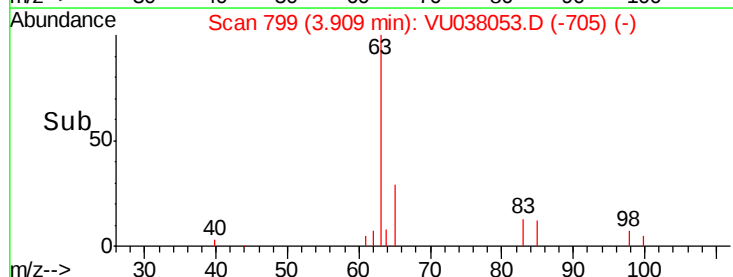
2000

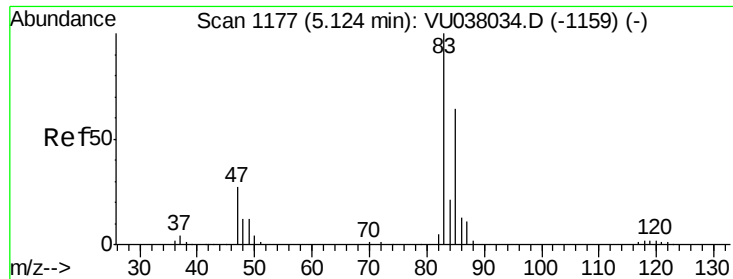
1000

0

Time-->

3.85 3.90 3.95

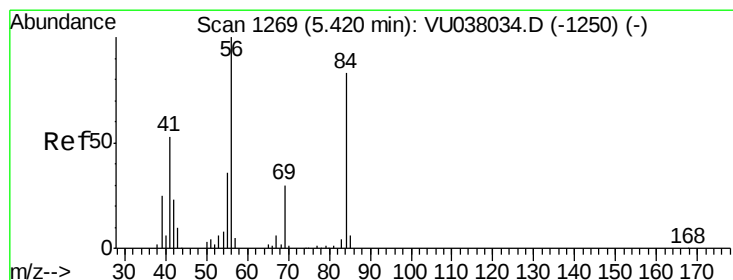
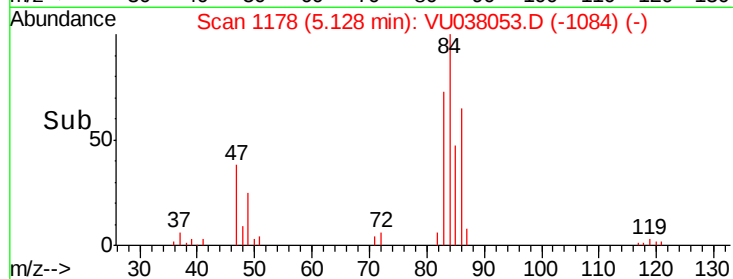
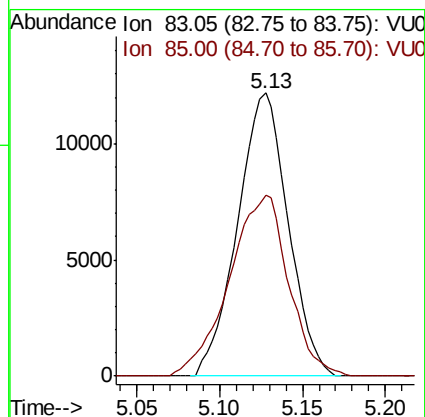
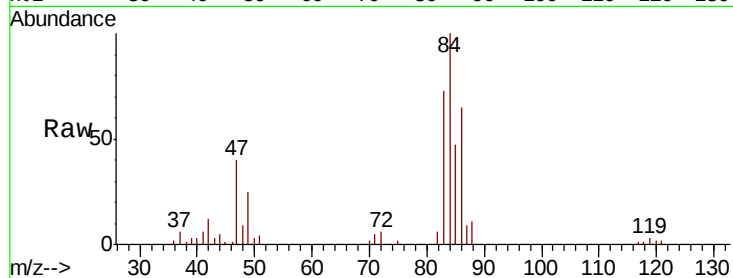




#25  
Chloroform  
Concen: 0.514 ug/L  
RT: 5.13 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: VU038053.D  
Acq: 07 May 2020 20:51

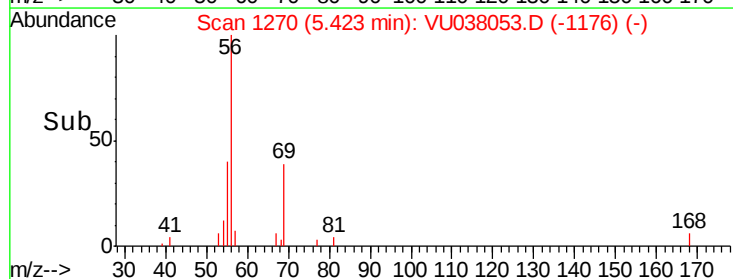
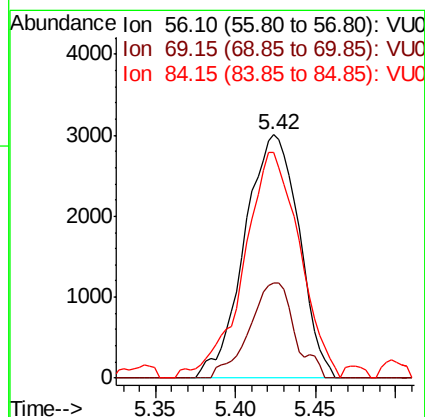
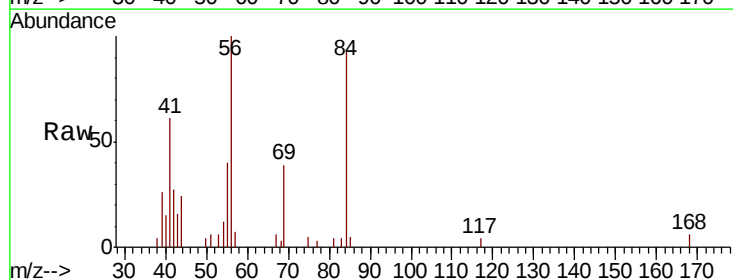
Instrument :  
MSVOA\_U  
ClientSampled :

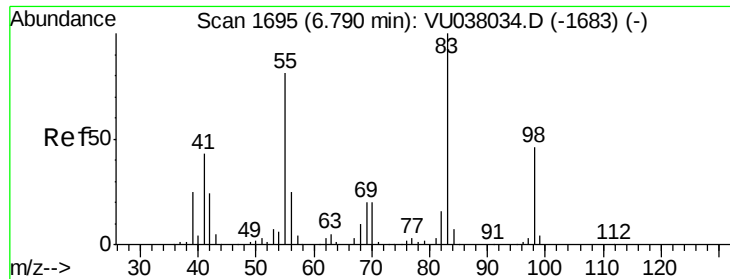
Tot Ion: 83 Resp: 25855  
Ion Ratio Lower Upper  
83 100  
85 64.1 46.2 85.8



#30  
Cyclohexane  
Concen: 0.143 ug/L  
RT: 5.42 min Scan# 1270  
Delta R.T. 0.00 min  
Lab File: VU038053.D  
Acq: 07 May 2020 20:51

Tgt Ion: 56 Resp: 7018  
Ion Ratio Lower Upper  
56 100  
69 32.6 24.2 36.4  
84 95.5 68.5 102.7

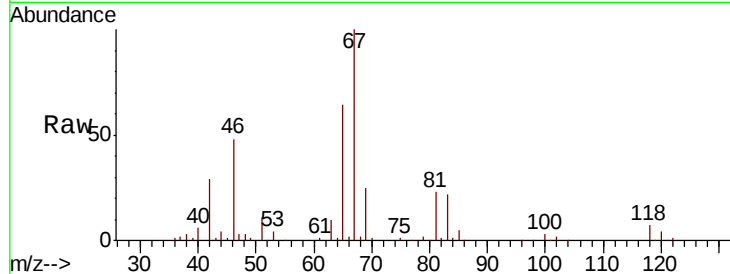




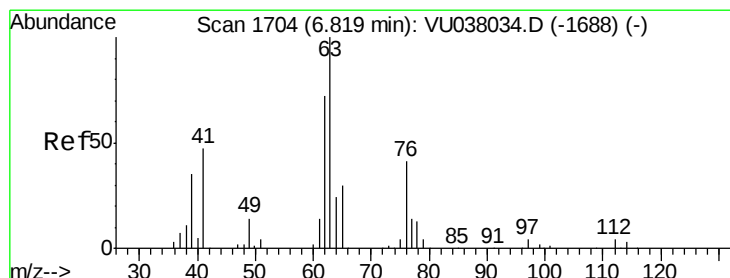
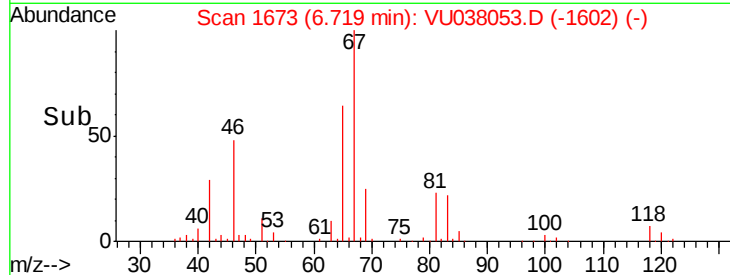
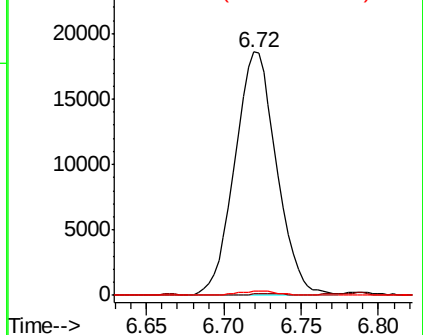
#35  
Methvlcvclohexane  
Concen: 0.745 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU038053.D  
Acq: 07 May 2020 20:51

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 83 Resp: 34939  
Ion Ratio Lower Upper  
83 100  
55 0.5 66.7 100.1#  
98 1.6 39.4 59.2#

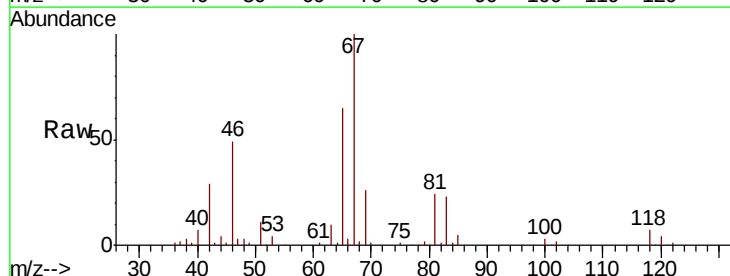


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

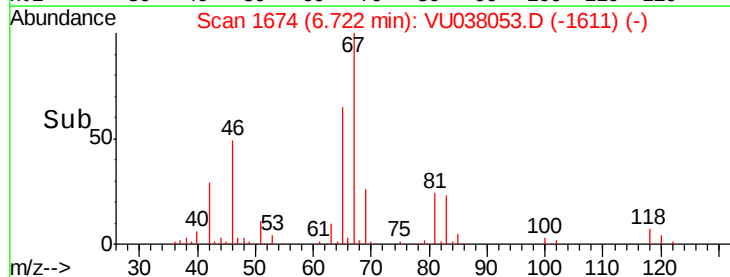
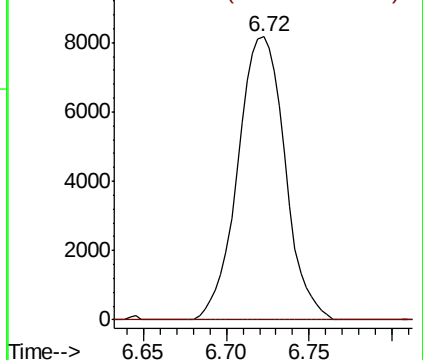


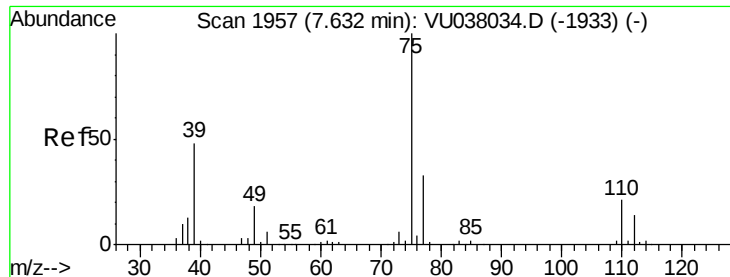
#37  
1,2-Dichloropropane  
Concen: 0.516 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.10 min  
Lab File: VU038053.D  
Acq: 07 May 2020 20:51

Tgt Ion: 63 Resp: 16223  
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

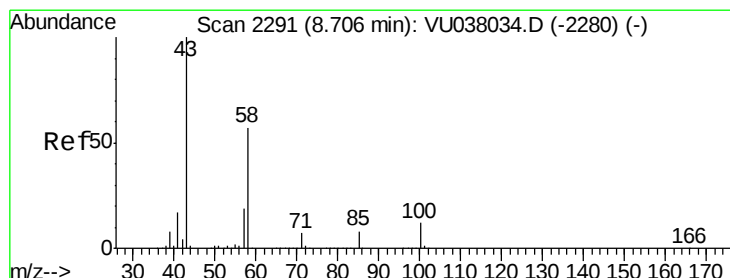
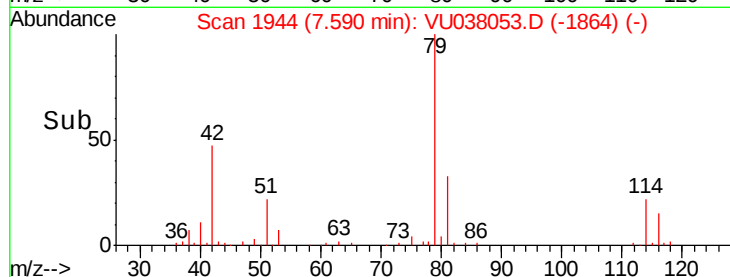
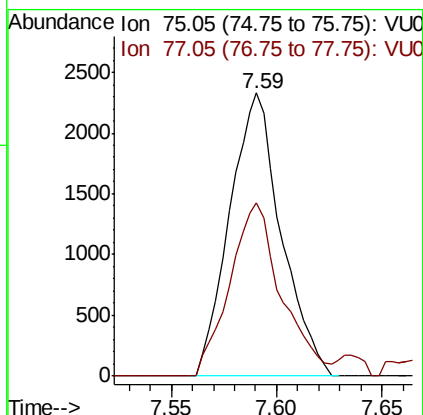
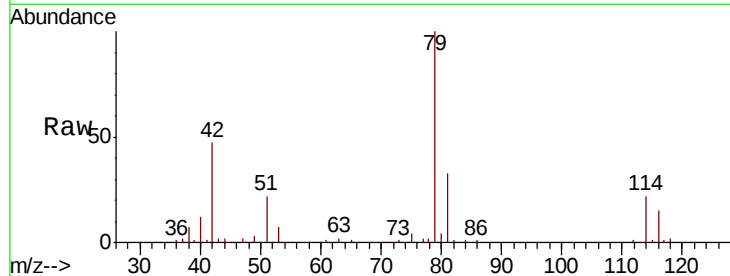




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.088 ug/L  
 RT: 7.59 min Scan# 1944  
 Delta R.T. -0.04 min  
 Lab File: VU038053.D  
 Acq: 07 May 2020 20:51

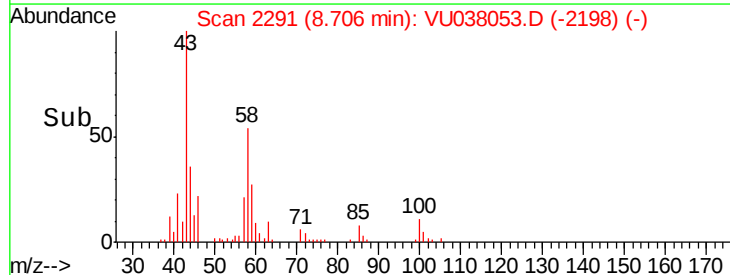
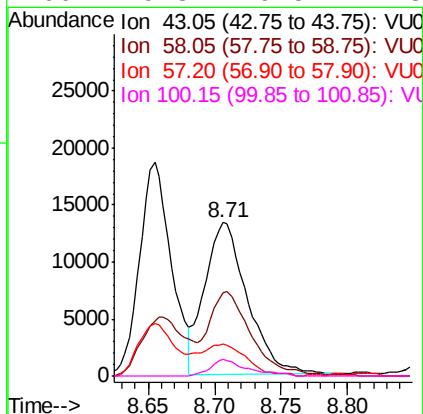
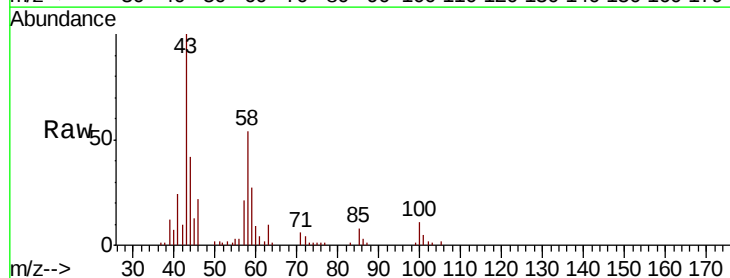
Instrument :  
 MSVOA\_U  
 ClientSampleId :

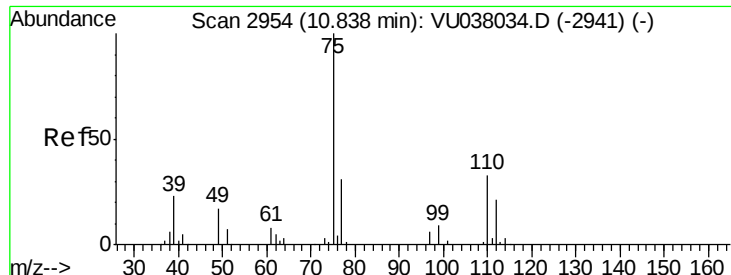
Tot Ion: 75 Resp: 3944  
 Ion Ratio Lower Upper  
 75 100  
 77 61.4 22.4 41.6#



#48  
 2-Hexanone  
 Concen: 1.869 ug/L  
 RT: 8.71 min Scan# 2291  
 Delta R.T. -0.00 min  
 Lab File: VU038053.D  
 Acq: 07 May 2020 20:51

Tgt Ion: 43 Resp: 29839  
 Ion Ratio Lower Upper  
 43 100  
 58 52.5 45.2 67.8  
 57 20.7 15.5 23.3  
 100 9.3 9.5 14.3#





#59

1,2,3-Trichloropropane

Concen: 1.096 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038053.D

Acq: 07 May 2020 20:51

Instrument :

MSVOA\_U

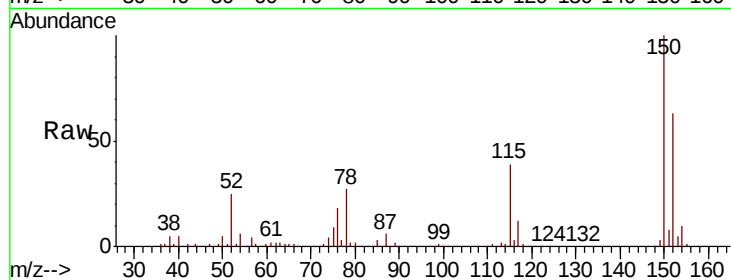
ClientSampleId :

Tot Ion: 75 Resp: 23142

Ion Ratio Lower Upper

75 100

77 36.2 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

