

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
 Data File : VU038076.D  
 Acq On : 08 May 2020 06:31  
 Operator : JC/MD  
 Sample : L2526-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 08 07:42:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri May 08 07:40:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 358427   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 355785   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 164818   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 137889   | 4.21     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.20% |
| 7) Chloroethane-d5             | 1.93   | 69    | 120528   | 4.25     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.00% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 172132   | 3.14     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.80% |
| 20) 2-Butanone-d5              | 4.66   | 46    | 349465   | 43.20    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 86.40% |
| 24) Chloroform-d               | 5.10   | 84    | 202276   | 4.07     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 81.40% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 127218   | 4.46     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.20% |
| 32) Benzene-d6                 | 5.76   | 84    | 478843   | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.80% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 155124   | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.20% |
| 41) Toluene-d8                 | 7.92   | 98    | 425464   | 4.44     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.80% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 53551    | 3.89     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 77.80% |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 270327   | 41.53    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 83.06% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 116286   | 4.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 85.60% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 151761   | 4.73     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.60% |

## Target Compounds

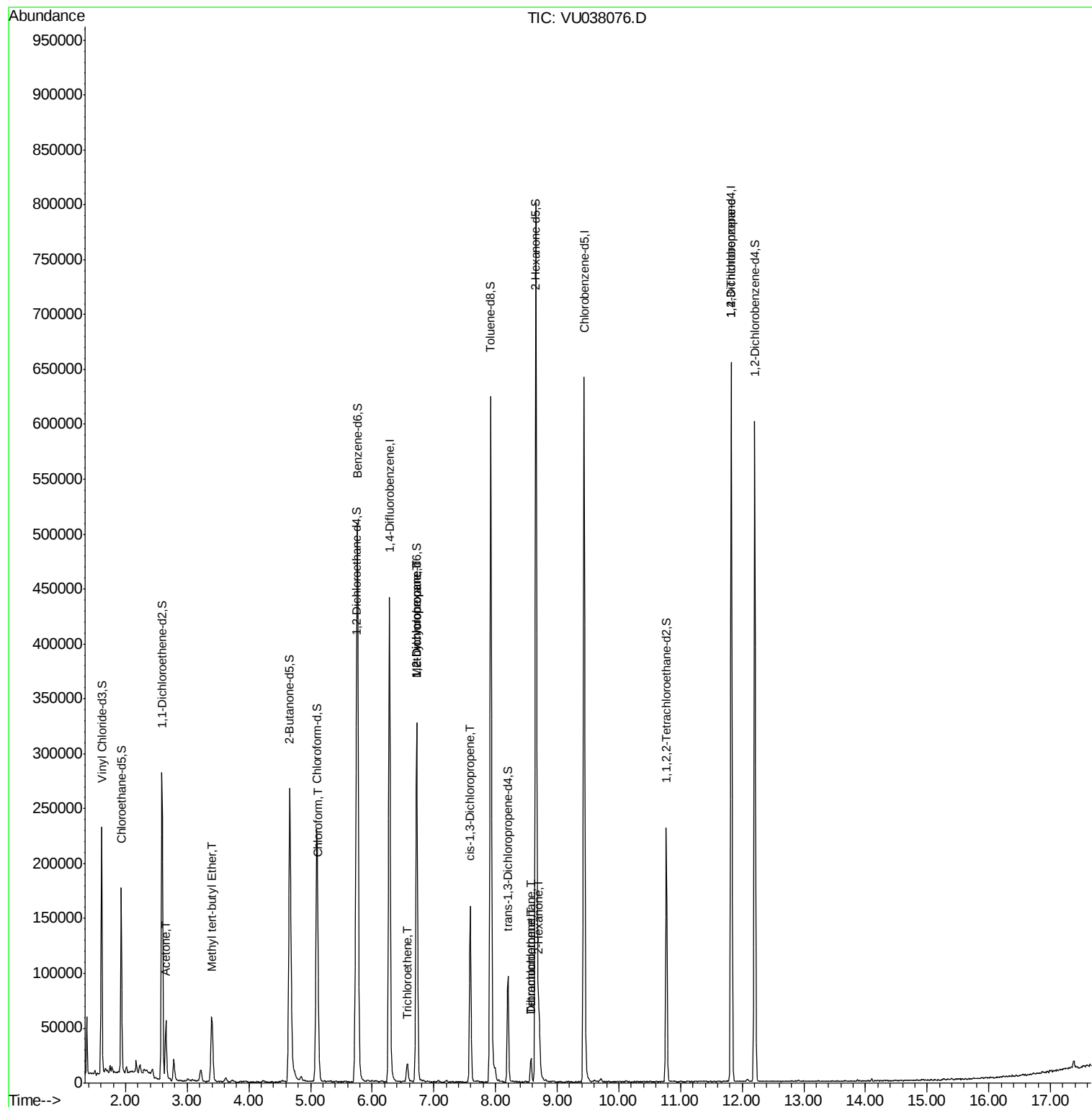
| Target Compounds            | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|-----------------------------|-------|------|----------|--------|--------|--------|
| 13) Acetone                 | 2.65  | 43   | 59908    | 11.805 | ug/L   | 96     |
| 17) Methyl tert-butyl Ether | 3.40  | 73   | 64544    | 0.934  | ug/L   | 96     |
| 25) Chloroform              | 5.12  | 83   | 29791    | 0.602  | ug/L   | 98     |
| 34) Trichloroethene         | 6.57  | 95   | 4458     | 0.156  | ug/L   | 95     |
| 35) Methylcyclohexane       | 6.72  | 83   | 34311    | 0.743  | ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.72  | 63   | 16292    | 0.526  | ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75   | 3635     | 0.082  | ug/L # | 54     |
| 47) Tetrachloroethene       | 8.57  | 164  | 5016     | 0.252  | ug/L   | 91     |
| 48) 2-Hexanone              | 8.71  | 43   | 36038    | 2.294  | ug/L # | 95     |
| 49) Dibromochloromethane    | 8.57  | 129  | 4313     | 0.193  | ug/L # | 10     |
| 59) 1,2,3-Trichloropropane  | 11.82 | 75   | 22223    | 1.070  | ug/L # | 88     |

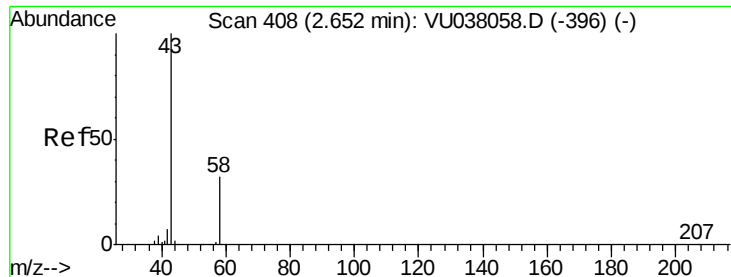
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
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Sample : L2526-03  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: May 08 07:42:24 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri May 08 07:40:41 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 11.805 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU038076.D

Acq: 08 May 2020 06:31

Instrument :

MSVOA\_U

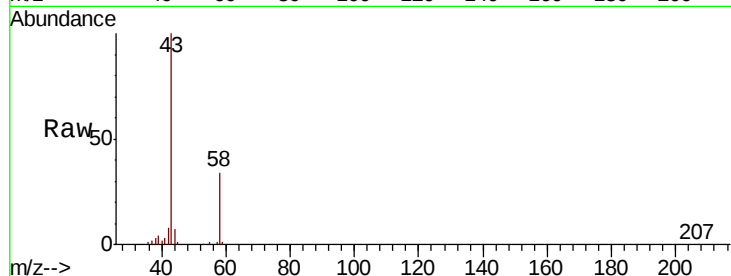
ClientSampleId :

Tot Ion: 43 Resp: 59908

Ion Ratio Lower Upper

43 100

58 33.8 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038076.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU038076.D (-396) (-)

2.65

40000

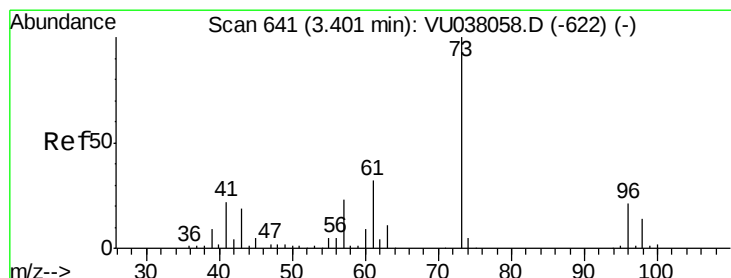
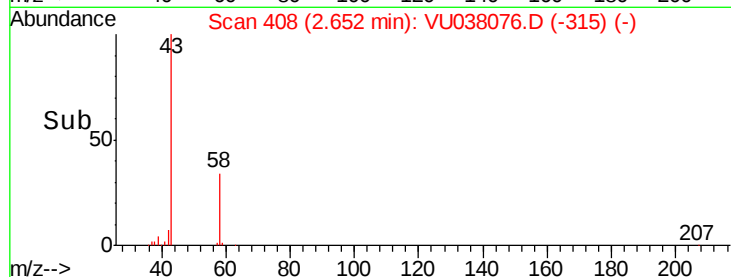
30000

20000

10000

0

Time--> 2.55 2.60 2.65 2.70 2.75



#17

Methyl tert-butyl Ether

Concen: 0.934 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU038076.D

Acq: 08 May 2020 06:31

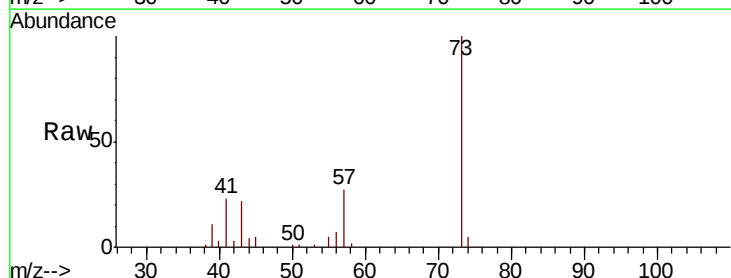
Tgt Ion: 73 Resp: 64544

Ion Ratio Lower Upper

73 100

43 22.5 16.9 25.3

57 25.1 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU038076.D (-622) (-)

Ion 43.05 (42.75 to 43.75): VU038076.D (-622) (-)

Ion 57.10 (56.80 to 57.80): VU038076.D (-622) (-)

3.40

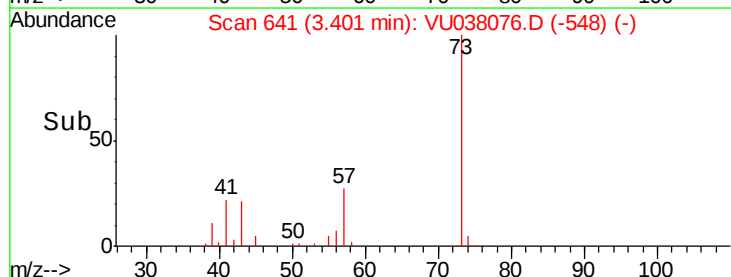
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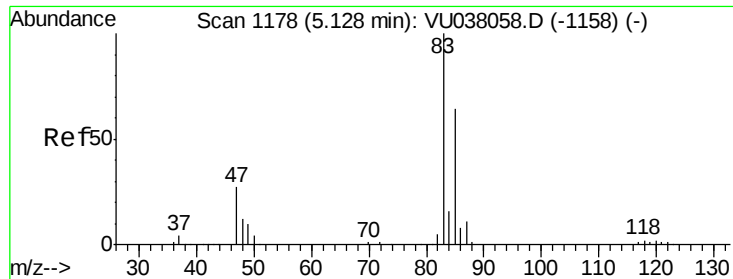
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50

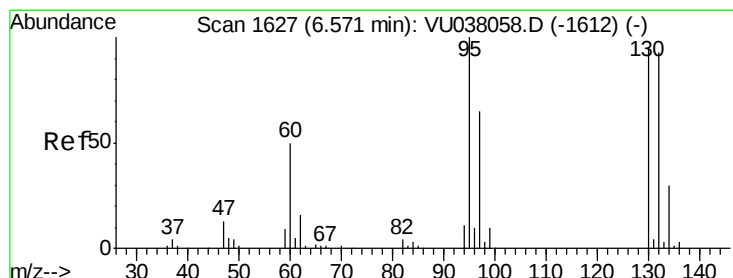
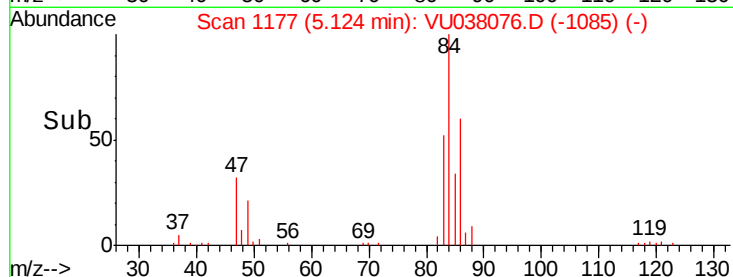
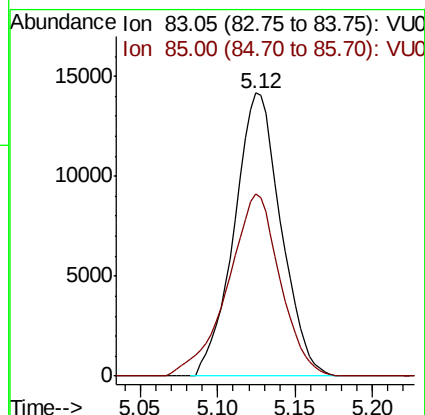
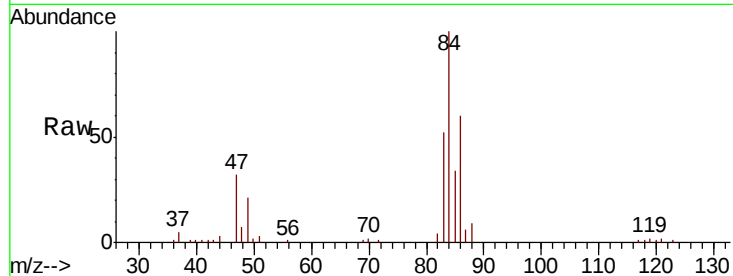




#25  
Chloroform  
Concen: 0.602 ug/L  
RT: 5.12 min Scan# 1177  
Delta R.T. -0.00 min  
Lab File: VU038076.D  
Acq: 08 May 2020 06:31

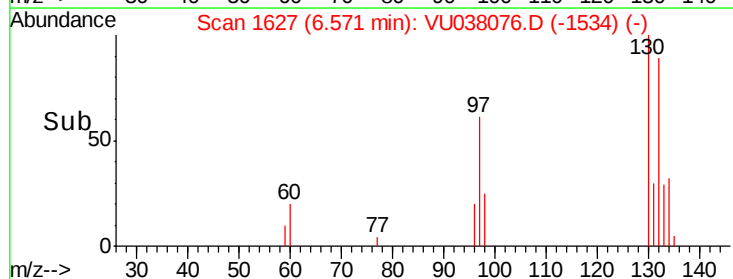
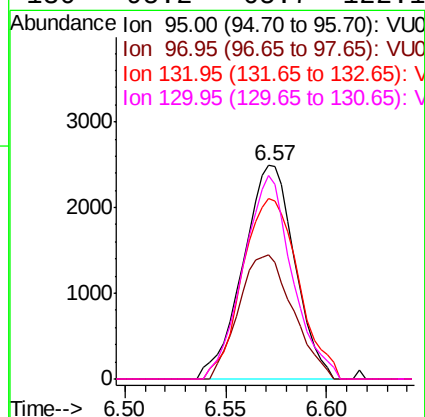
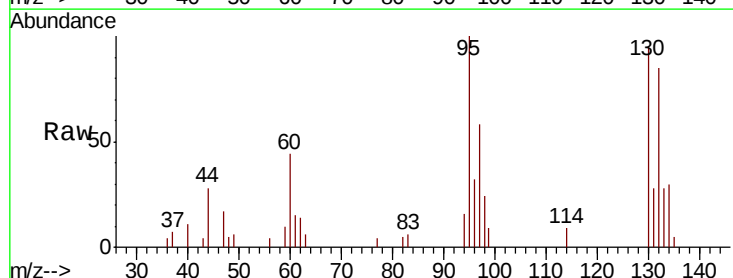
Instrument :  
MSVOA\_U  
ClientSampled :

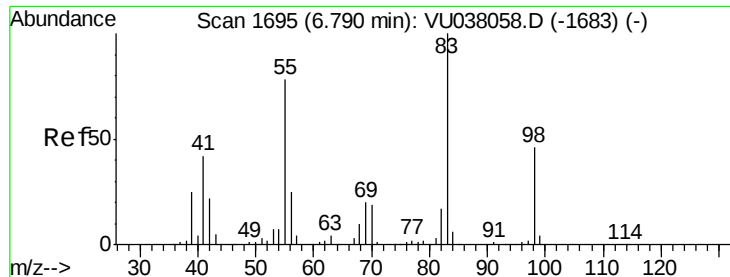
Tot Ion: 83 Resp: 29791  
Ion Ratio Lower Upper  
83 100  
85 64.5 46.2 85.8



#34  
Trichloroethene  
Concen: 0.156 ug/L  
RT: 6.57 min Scan# 1627  
Delta R.T. -0.00 min  
Lab File: VU038076.D  
Acq: 08 May 2020 06:31

Tgt Ion: 95 Resp: 4458  
Ion Ratio Lower Upper  
95 100  
97 58.4 44.9 83.3  
132 84.8 63.3 117.5  
130 95.2 65.7 122.1

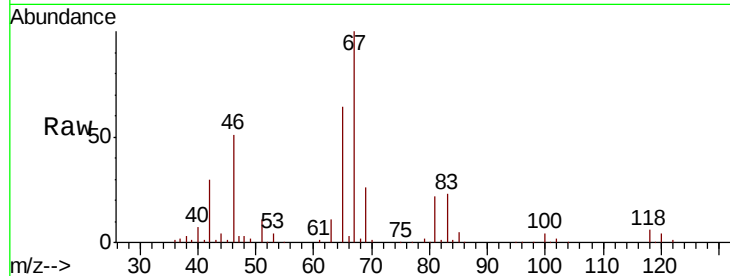




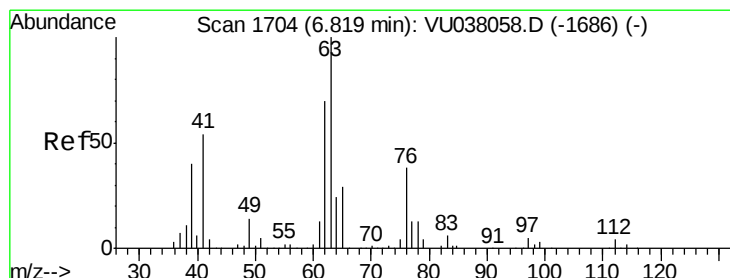
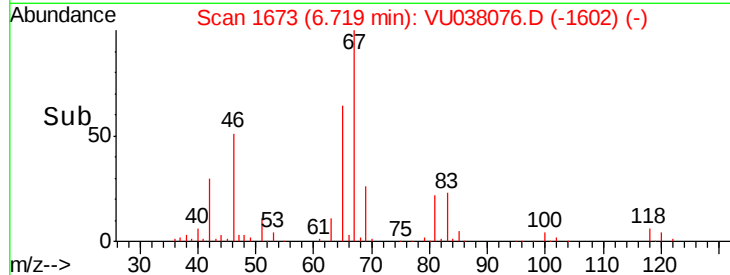
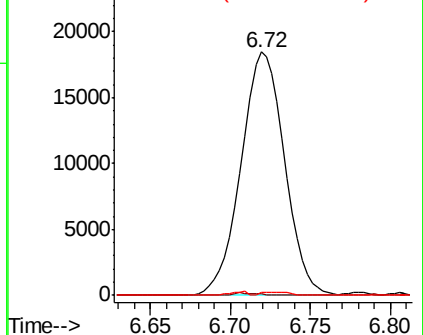
#35  
Methvlcvclohexane  
Concen: 0.743 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU038076.D  
Acq: 08 May 2020 06:31

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 83 Resp: 34311  
Ion Ratio Lower Upper  
83 100  
55 0.1 66.7 100.1#  
98 0.9 39.4 59.2#

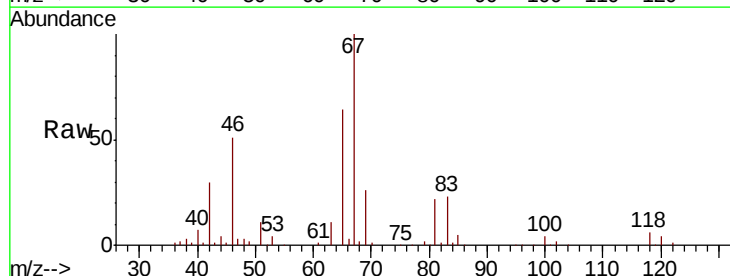


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

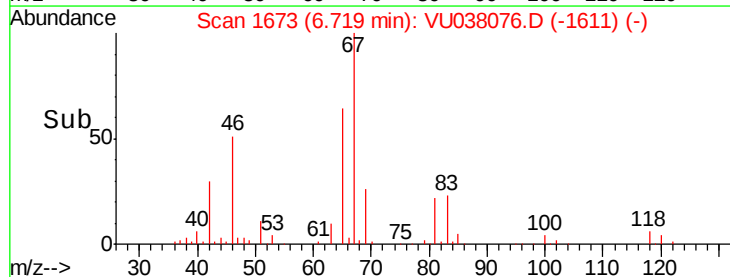
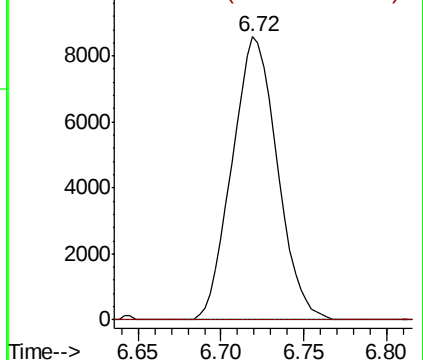


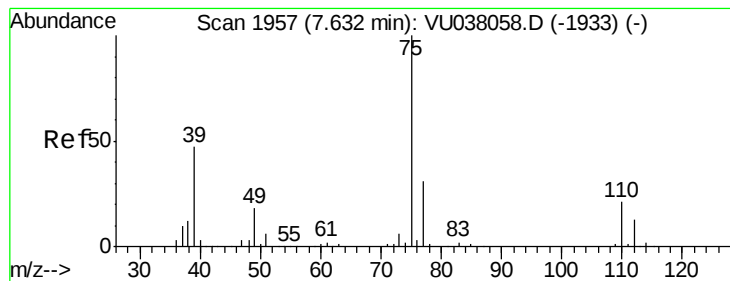
#37  
1,2-Dichloropropane  
Concen: 0.526 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.10 min  
Lab File: VU038076.D  
Acq: 08 May 2020 06:31

Tgt Ion: 63 Resp: 16292  
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



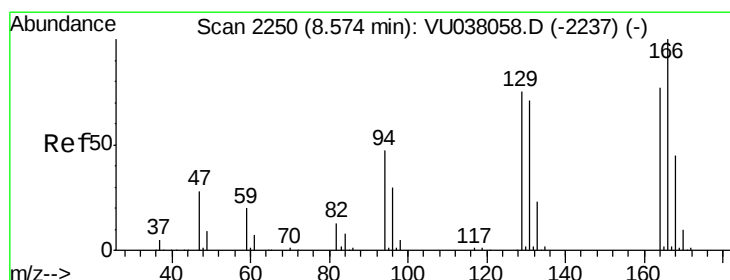
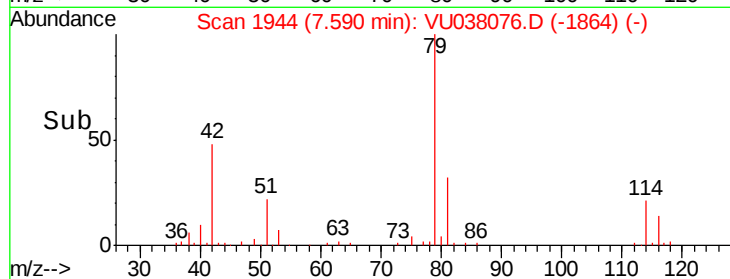
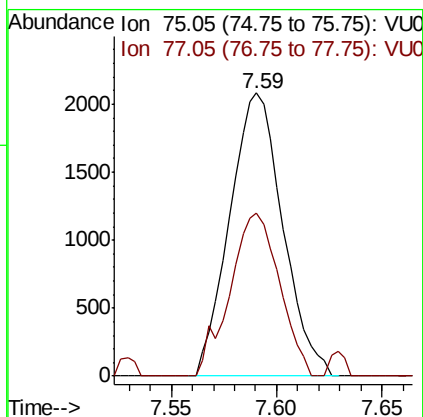
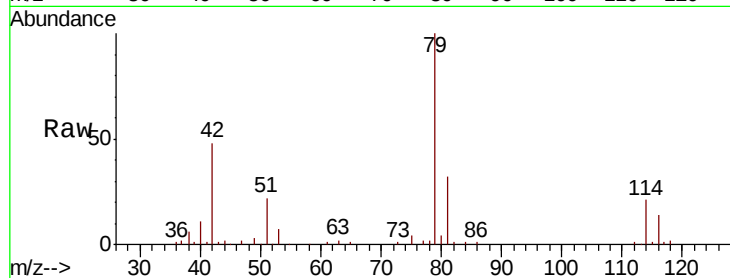


#39

cis-1,3-Dichloropropene  
 Concen: 0.082 ug/L  
 RT: 7.59 min Scan# 1944  
 Delta R.T. -0.04 min  
 Lab File: VU038076.D  
 Acq: 08 May 2020 06:31

Instrument :  
 MSVOA\_U  
 ClientSampleId :

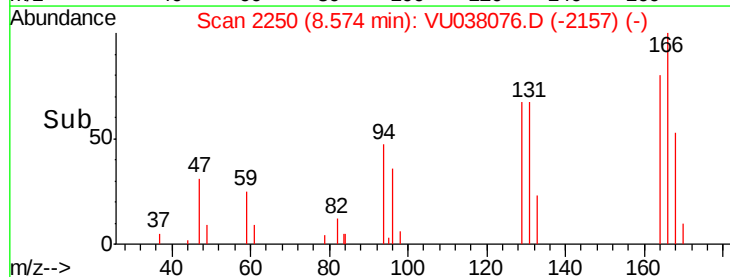
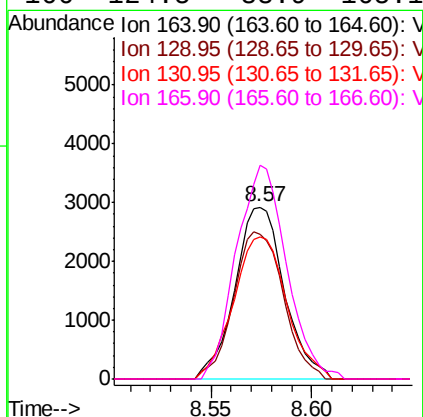
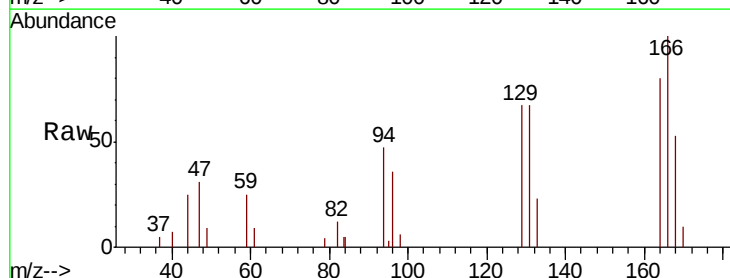
Tot Ion: 75 Resp: 3635  
 Ion Ratio Lower Upper  
 75 100  
 77 57.6 22.4 41.6#

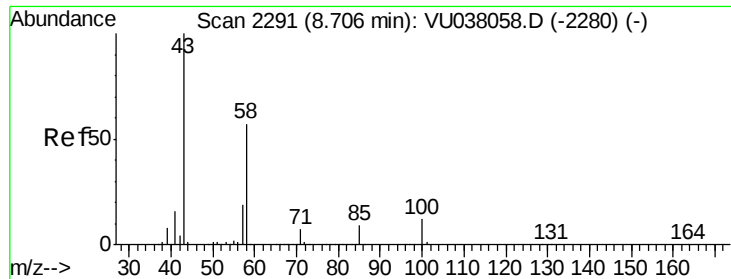


#47

Tetrachloroethene  
 Concen: 0.252 ug/L  
 RT: 8.57 min Scan# 2250  
 Delta R.T. -0.00 min  
 Lab File: VU038076.D  
 Acq: 08 May 2020 06:31

Tgt Ion: 164 Resp: 5016  
 Ion Ratio Lower Upper  
 164 100  
 129 84.0 68.8 127.8  
 131 82.9 66.8 124.2  
 166 124.5 88.9 165.1

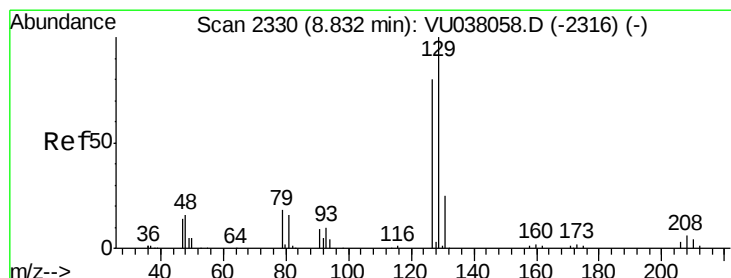
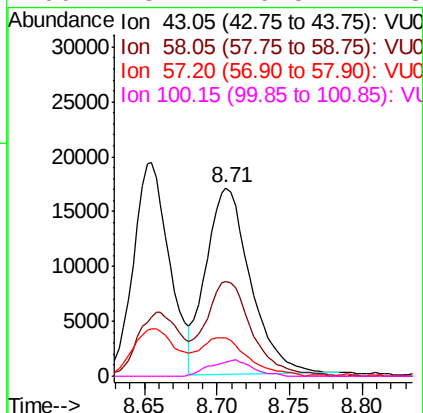
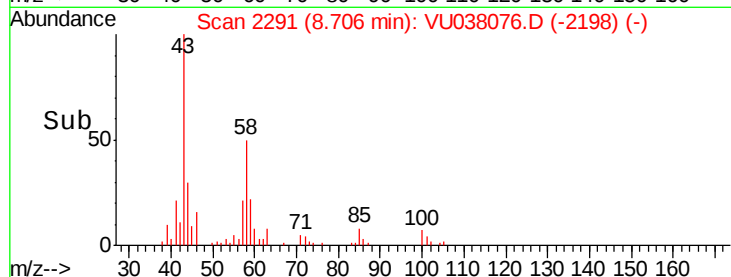
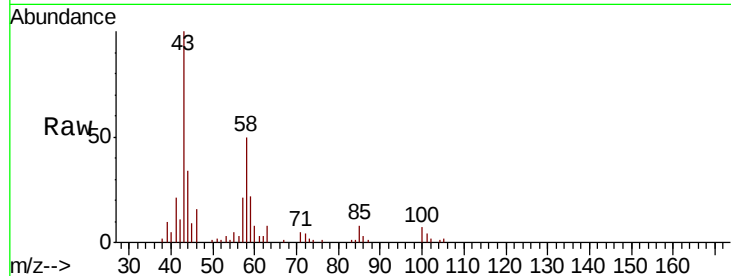




#48  
2-Hexanone  
Concen: 2.294 ug/L  
RT: 8.71 min Scan# 2291  
Delta R.T. -0.00 min  
Lab File: VU038076.D  
Acq: 08 May 2020 06:31

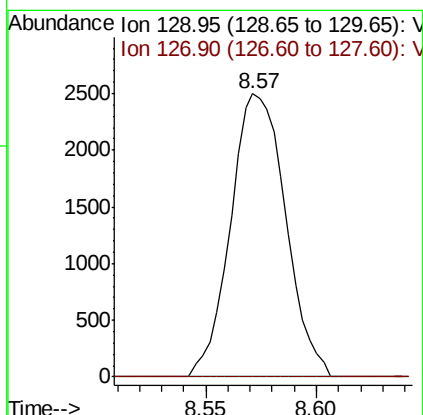
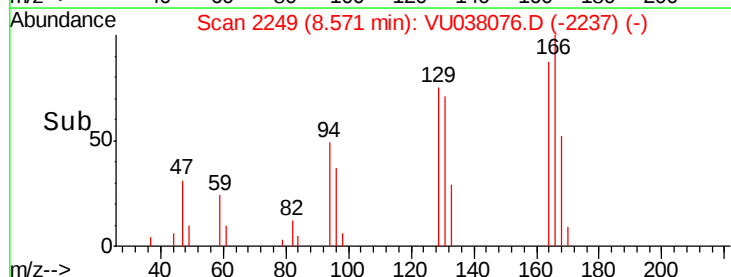
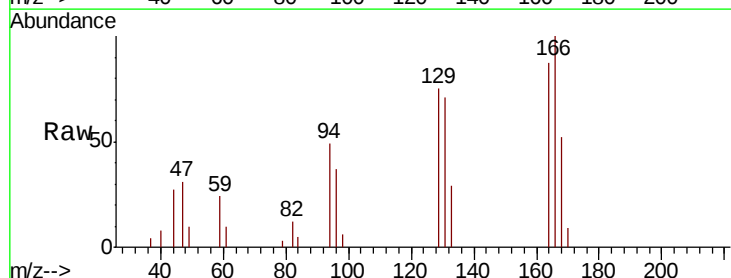
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MSVOA\_U  
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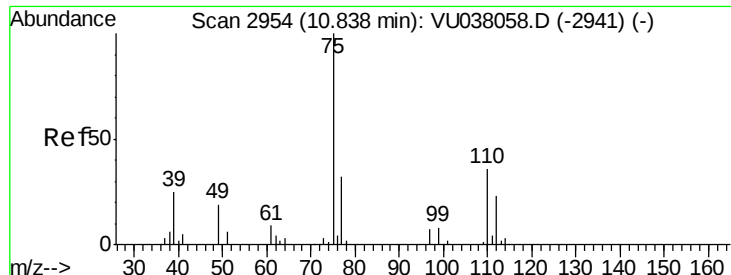
Tot Ion: 43 Resp: 36038  
Ion Ratio Lower Upper  
43 100  
58 53.6 45.2 67.8  
57 21.7 15.5 23.3  
100 8.4 9.5 14.3#



#49  
Dibromochloromethane  
Concen: 0.193 ug/L  
RT: 8.57 min Scan# 2249  
Delta R.T. -0.26 min  
Lab File: VU038076.D  
Acq: 08 May 2020 06:31

Tgt Ion: 129 Resp: 4313  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.6 103.4#





#59

1,2,3-Trichloropropane

Concen: 1.070 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038076.D

Acq: 08 May 2020 06:31

Instrument :

MSVOA\_U

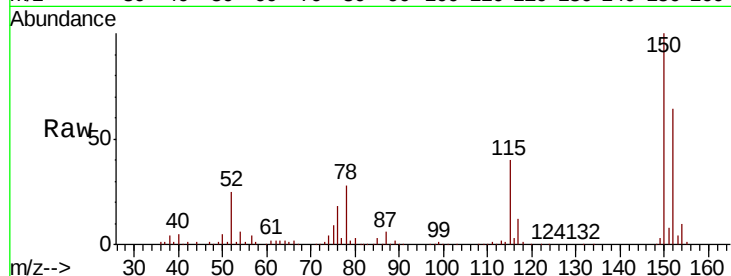
ClientSampleId :

Tot Ion: 75 Resp: 22223

Ion Ratio Lower Upper

75 100

77 38.4 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

