

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\  
 Data File : VU038865.D  
 Acq On : 12 Jun 2020 22:13  
 Operator : SY/MD  
 Sample : L2975-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 13 02:56:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jun 13 02:52:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 265526   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 269003   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 124644   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 66084    | 4.57     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.40%   |
| 7) Chloroethane-d5             | 1.93   | 69    | 63279    | 5.44     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 108.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 112070   | 3.41     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.20%   |
| 20) 2-Butanone-d5              | 4.68   | 46    | 314396   | 69.22    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 138.44%# |
| 24) Chloroform-d               | 5.10   | 84    | 174028   | 5.43     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 108.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 104821   | 5.79     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 115.80%  |
| 32) Benzene-d6                 | 5.76   | 84    | 325736   | 5.18     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 106686   | 5.67     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 113.40%  |
| 41) Toluene-d8                 | 7.92   | 98    | 268873   | 4.66     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.20%   |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 38175    | 4.57     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.40%   |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 264857   | 71.38    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 142.76%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 98313    | 5.98     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 119.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 115059   | 5.67     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 113.40%  |

## Target Compounds

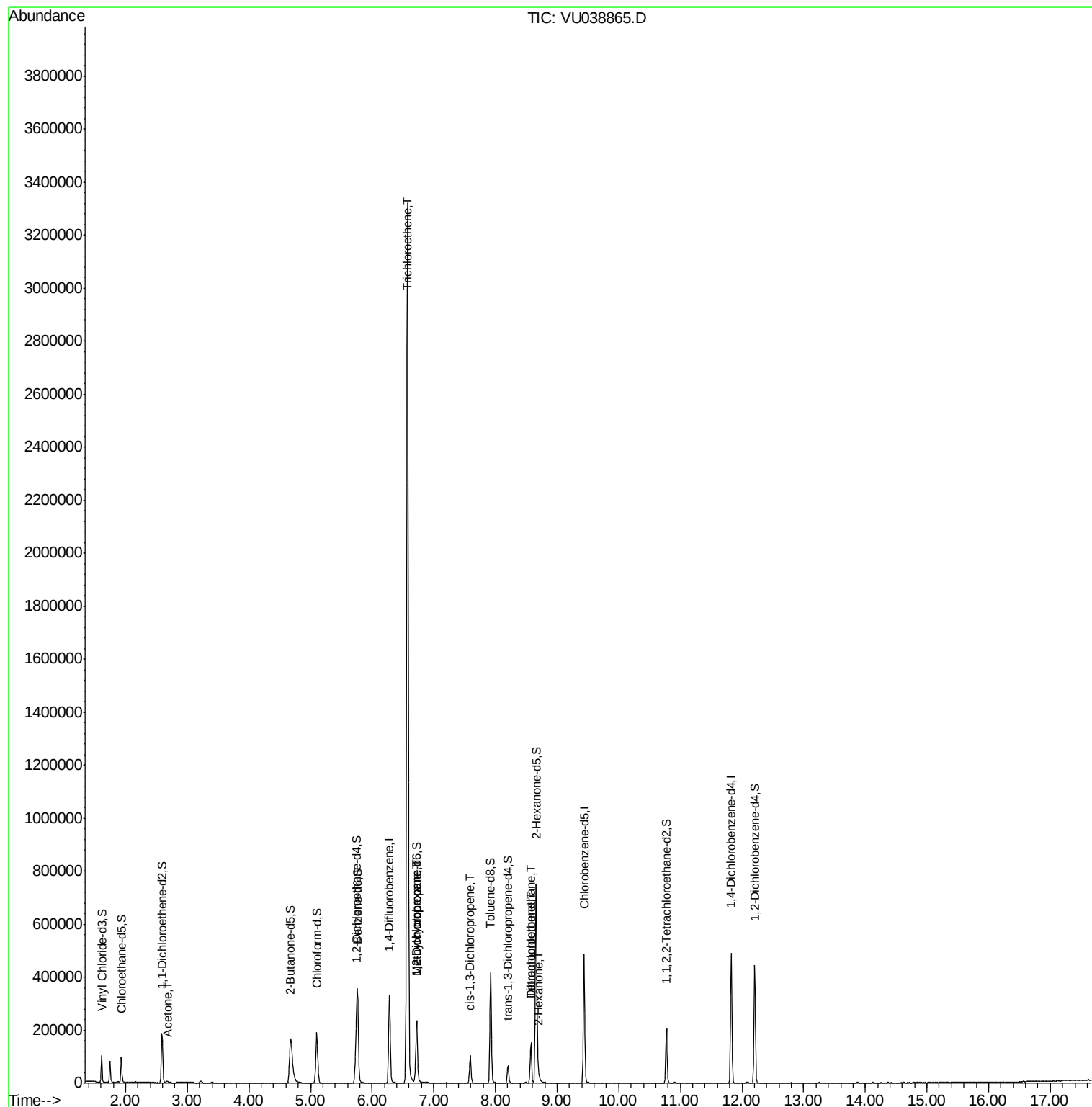
|                             |      |     |         |        | Ovalue    |
|-----------------------------|------|-----|---------|--------|-----------|
| 13) Acetone                 | 2.68 | 43  | 10057   | 2.729  | ug/L 100  |
| 34) Trichloroethene         | 6.57 | 95  | 1129863 | 53.229 | ug/L 97   |
| 35) Methylcyclohexane       | 6.72 | 83  | 26469   | 0.802  | ug/L # 16 |
| 37) 1,2-Dichloropropane     | 6.72 | 63  | 12568   | 0.614  | ug/L # 86 |
| 39) cis-1,3-Dichloropropene | 7.59 | 75  | 2508    | 0.083  | ug/L # 40 |
| 47) Tetrachloroethene       | 8.58 | 164 | 33178   | 2.030  | ug/L 96   |
| 48) 2-Hexanone              | 8.71 | 43  | 10535   | 1.001  | ug/L # 88 |
| 49) Dibromochloromethane    | 8.57 | 129 | 32616   | 1.871  | ug/L # 10 |

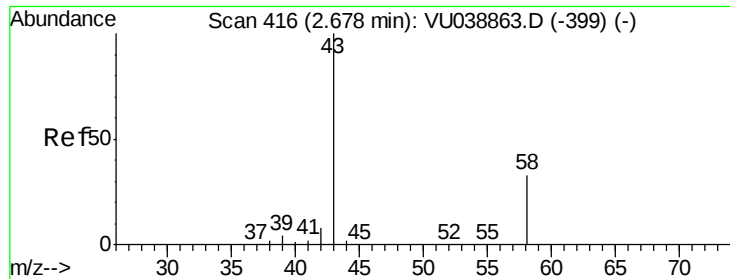
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L2975-03  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Jun 13 02:56:15 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jun 13 02:52:53 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 2.729 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU038865.D

Acq: 12 Jun 2020 22:13

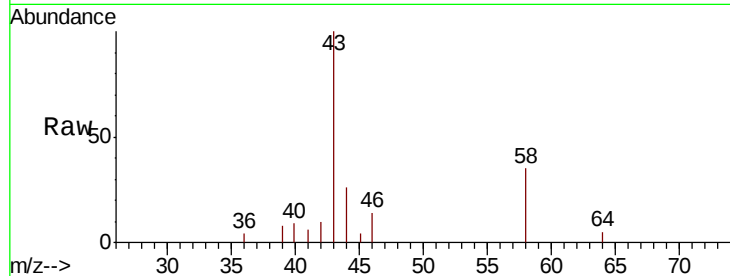
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 43 Resp: 10057

Ion Ratio Lower Upper

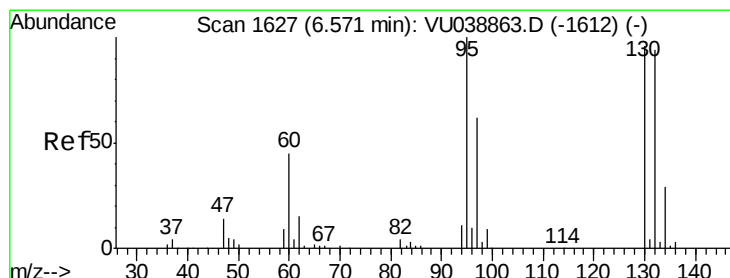
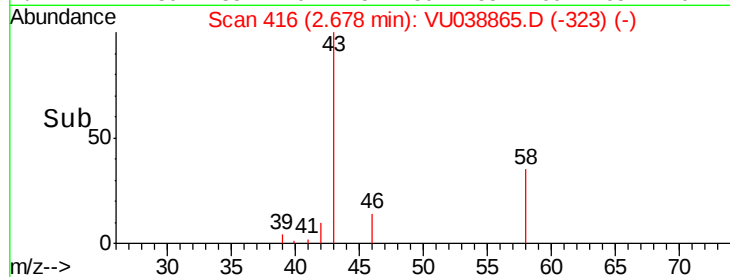
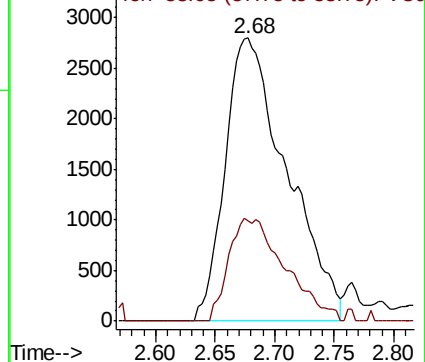
43 100

58 33.0 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU038863.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU038863.D (-399) (-)



#34

Trichloroethene

Concen: 53.229 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038865.D

Acq: 12 Jun 2020 22:13

Tgt Ion: 95 Resp: 1129863

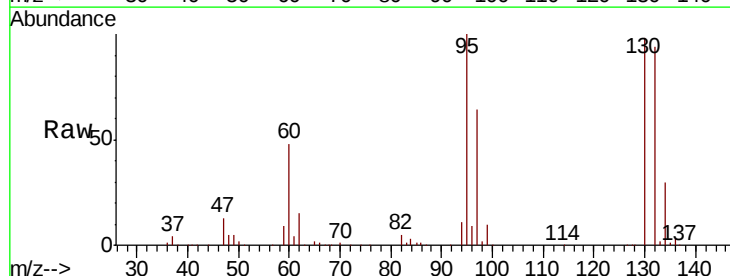
Ion Ratio Lower Upper

95 100

97 64.0 46.1 85.5

132 93.8 67.5 125.3

130 97.8 66.7 123.9

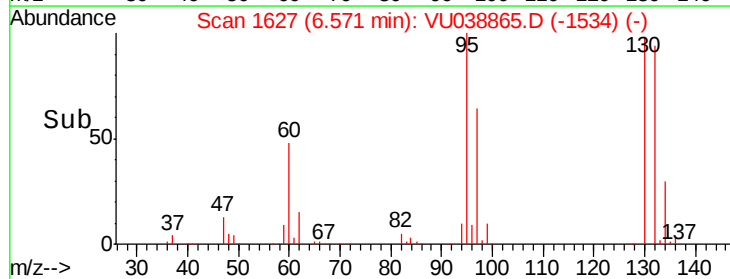
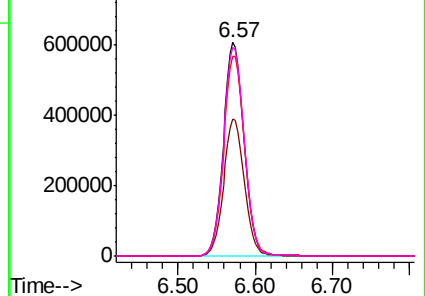


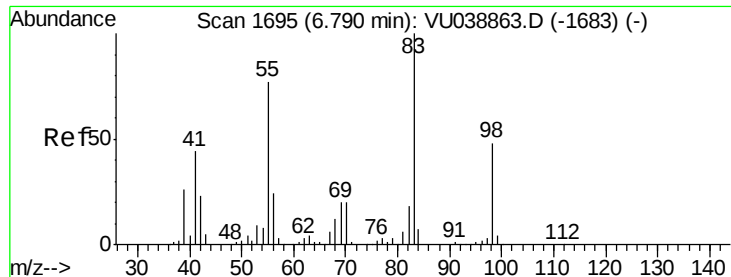
Abundance Ion 95.00 (94.70 to 95.70): VU038863.D (-1612) (-)

Ion 96.95 (96.65 to 97.65): VU038863.D (-1612) (-)

Ion 131.95 (131.65 to 132.65): VU038863.D (-1612) (-)

Ion 129.95 (129.65 to 130.65): VU038863.D (-1612) (-)

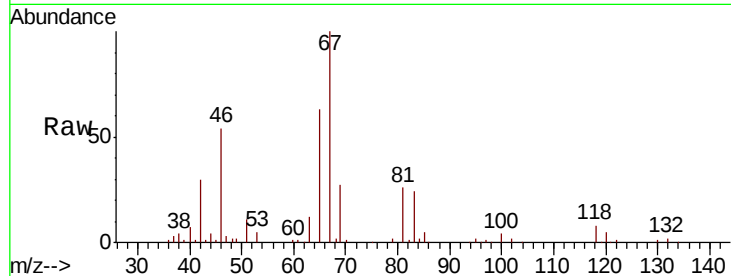




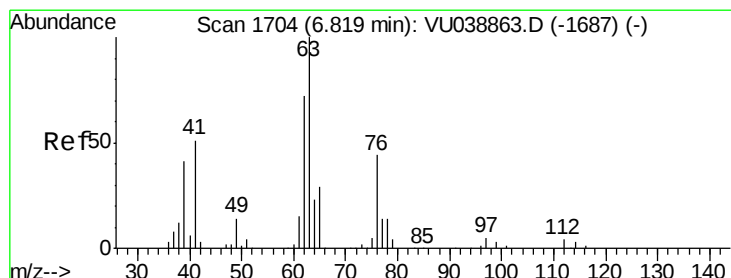
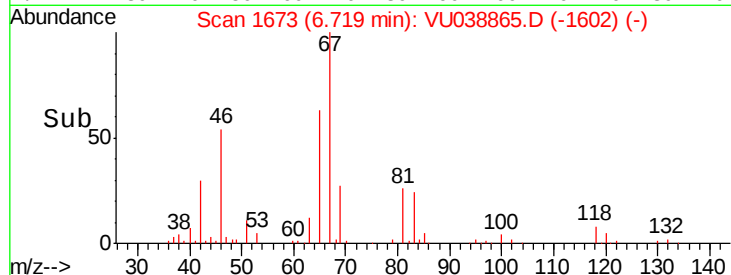
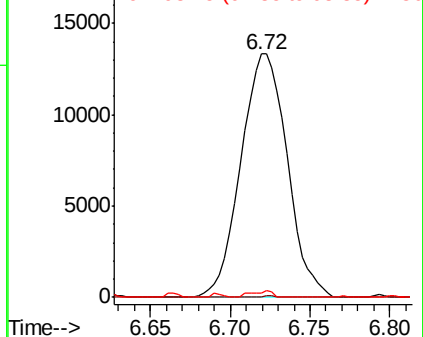
#35  
Methvlcvclohexane  
Concen: 0.802 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU038865.D  
Acq: 12 Jun 2020 22:13

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 26469  
Ion Ratio Lower Upper  
83 100  
55 0.2 64.2 96.2#  
98 0.0 40.5 60.7#

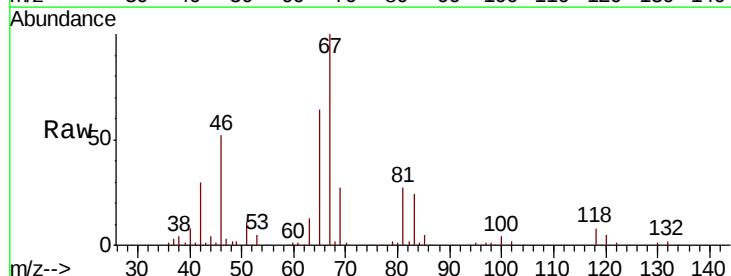


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

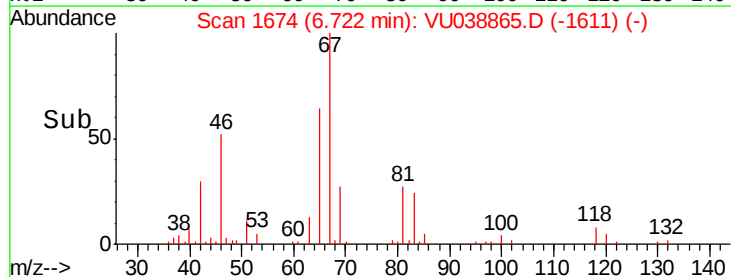
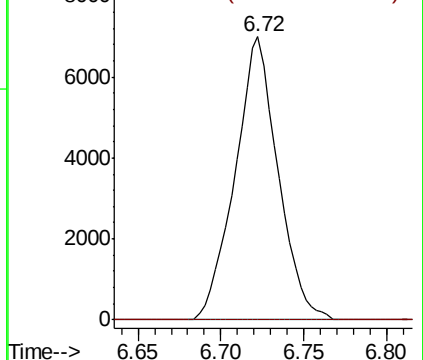


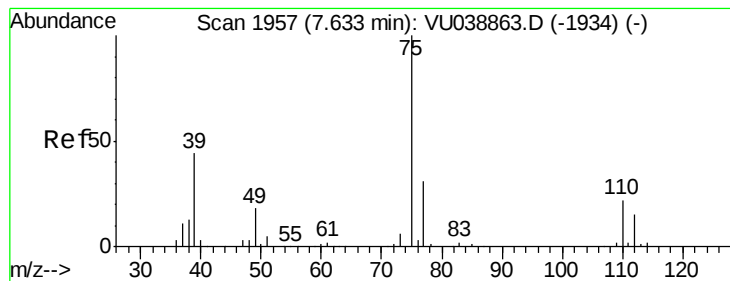
#37  
1,2-Dichloropropane  
Concen: 0.614 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.10 min  
Lab File: VU038865.D  
Acq: 12 Jun 2020 22:13

Tgt Ion: 63 Resp: 12568  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#



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



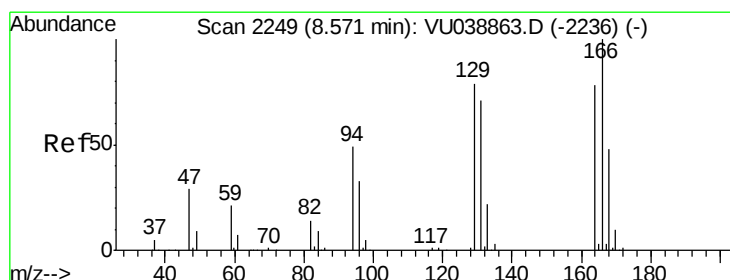
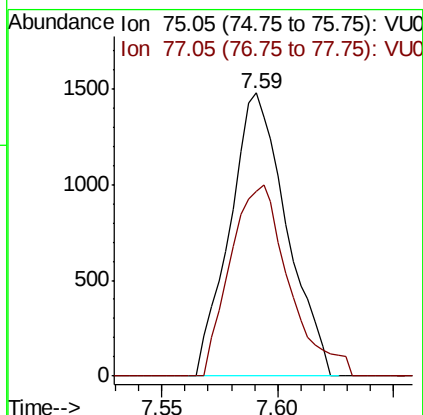
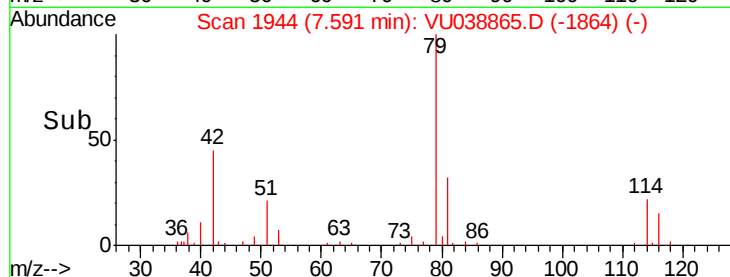
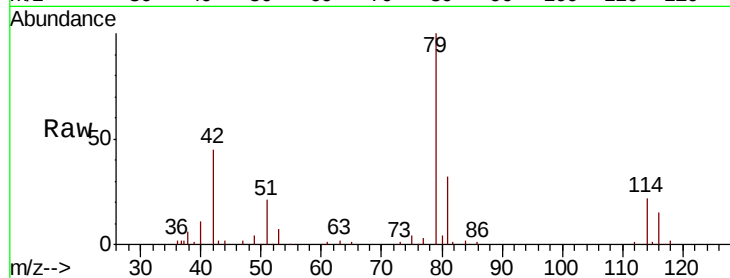


#39

cis-1,3-Dichloropropene  
Concen: 0.083 ug/L  
RT: 7.59 min Scan# 1944  
Delta R.T. -0.04 min  
Lab File: VU038865.D  
Acq: 12 Jun 2020 22:13

Instrument :  
MSVOA\_U  
ClientSampleId :

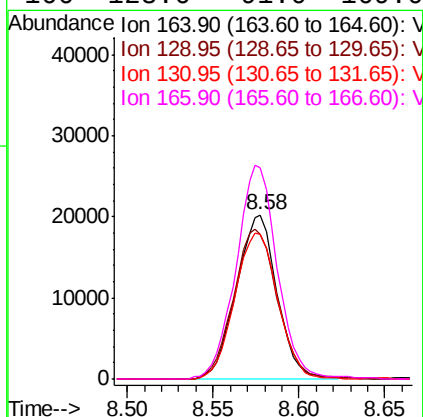
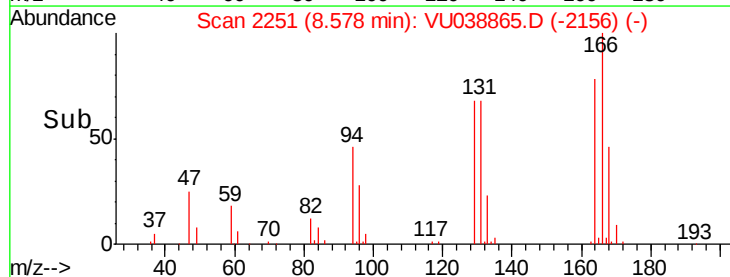
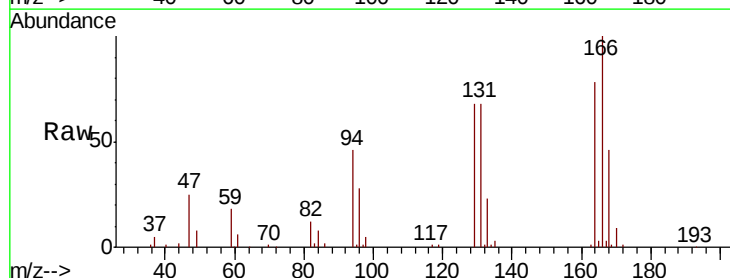
Tot Ion: 75 Resp: 2508  
Ion Ratio Lower Upper  
75 100  
77 65.4 22.4 41.6#

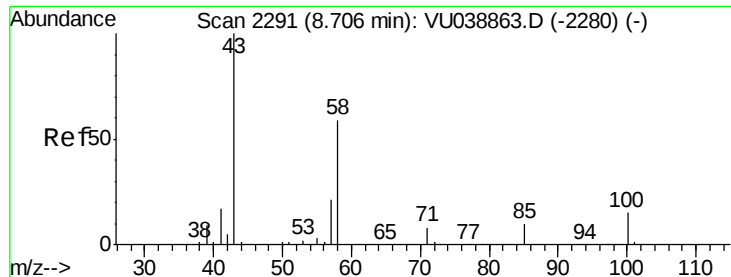


#47

Tetrachloroethene  
Concen: 2.030 ug/L  
RT: 8.58 min Scan# 2251  
Delta R.T. 0.01 min  
Lab File: VU038865.D  
Acq: 12 Jun 2020 22:13

Tgt Ion:164 Resp: 33178  
Ion Ratio Lower Upper  
164 100  
129 88.0 67.3 124.9  
131 87.9 65.0 120.6  
166 128.6 91.0 169.0

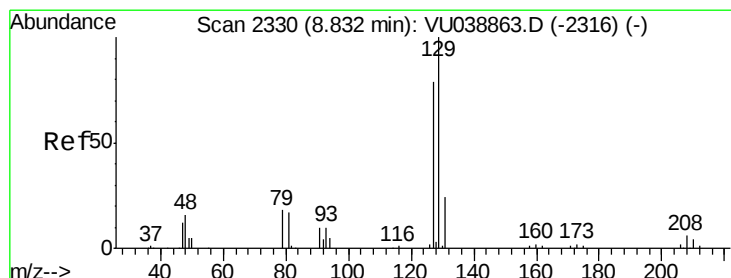
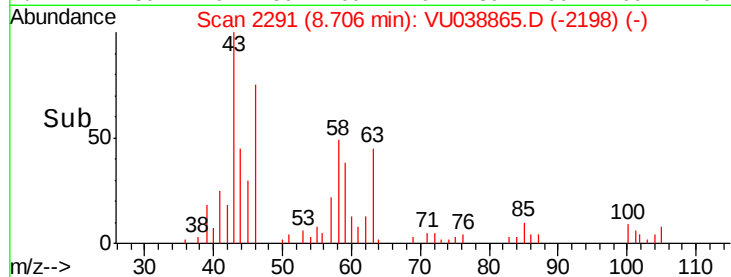
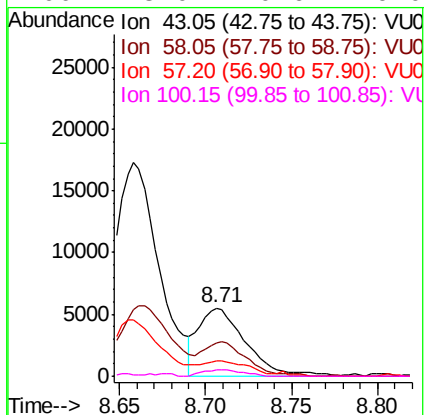
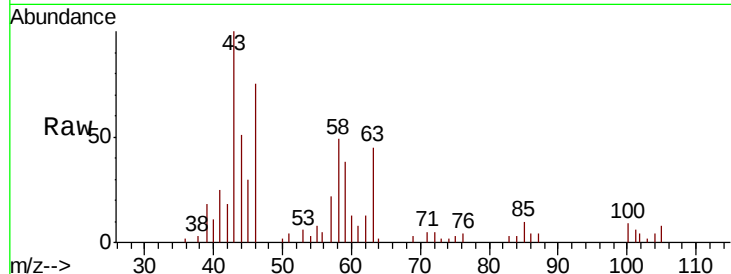




#48  
2-Hexanone  
Concen: 1.001 ug/L  
RT: 8.71 min Scan# 2291  
Delta R.T. -0.00 min  
Lab File: VU038865.D  
Acq: 12 Jun 2020 22:13

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 43 Resp: 10535  
Ion Ratio Lower Upper  
43 100  
58 46.9 44.8 67.2  
57 24.0 16.2 24.2  
100 8.0 10.6 16.0#



#49  
Dibromochloromethane  
Concen: 1.871 ug/L  
RT: 8.57 min Scan# 2250  
Delta R.T. -0.26 min  
Lab File: VU038865.D  
Acq: 12 Jun 2020 22:13

Tgt Ion: 129 Resp: 32616  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.5 103.1#

