

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\  
 Data File : VU038469.D  
 Acq On : 01 Jun 2020 14:33  
 Operator : JC/MD  
 Sample : L2789-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 02 05:28:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jun 02 05:25:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 287703   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 285095   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 134595   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

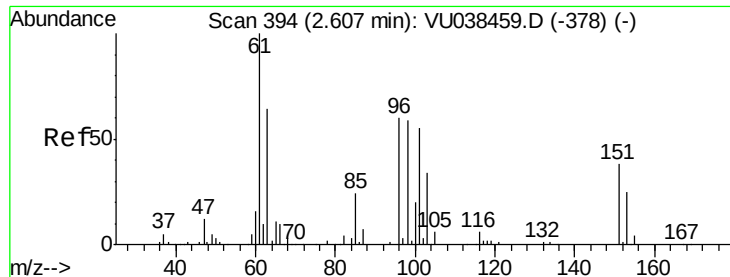
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 76934    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.60%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 72004    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 100.60% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 121695   | 3.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.40%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 349577   | 61.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 123.60% |
| 24) Chloroform-d               | 5.10   | 84    | 188234   | 5.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 107.60% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 114149   | 5.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 115.00% |
| 32) Benzene-d6                 | 5.76   | 84    | 373336   | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.00% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 116014   | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.00% |
| 41) Toluene-d8                 | 7.92   | 98    | 309656   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.00%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 47679    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 101.20% |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 289262   | 62.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 124.46% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 103617   | 5.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 111.60% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 127223   | 5.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.60% |

## Target Compounds

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.60  | 101  | 5500     | 0.316  | ug/L   | 95     |
| 13) Acetone                    | 2.68  | 43   | 16851    | 4.552  | ug/L   | 98     |
| 15) Methyl Acetate             | 2.98  | 43   | 1918     | 0.211  | ug/L # | 66     |
| 21) 2-Butanone                 | 4.84  | 43   | 297299   | 47.748 | ug/L # | 50     |
| 22) cis-1,2-Dichloroethene     | 4.71  | 96   | 7201     | 0.350  | ug/L   | 98     |
| 25) Chloroform                 | 5.12  | 83   | 8511     | 0.245  | ug/L   | 99     |
| 34) Trichloroethene            | 6.57  | 95   | 12804    | 0.621  | ug/L   | 93     |
| 35) Methylcyclohexane          | 6.72  | 83   | 28804    | 0.902  | ug/L # | 18     |
| 37) 1,2-Dichloropropane        | 6.72  | 63   | 12784    | 0.639  | ug/L # | 86     |
| 39) cis-1,3-Dichloropropene    | 7.59  | 75   | 3548     | 0.120  | ug/L # | 62     |
| 48) 2-Hexanone                 | 8.71  | 43   | 14272    | 1.317  | ug/L   | 97     |
| 59) 1,2,3-Trichloropropane     | 11.82 | 75   | 18107    | 1.213  | ug/L   | 97     |

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





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.316 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038469.D

Acq: 01 Jun 2020 14:33

Instrument :

MSVOA\_U

ClientSampleId :

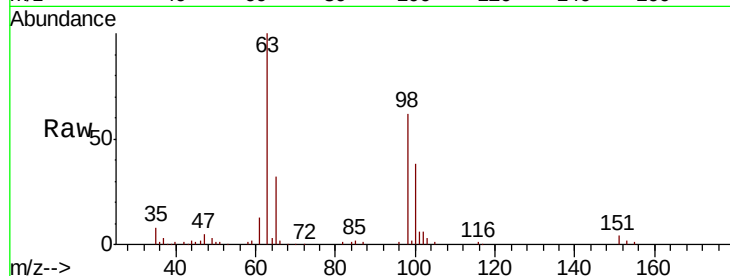
Tot Ion:101 Resp: 5500

Ion Ratio Lower Upper

101 100

85 36.0 34.0 51.0

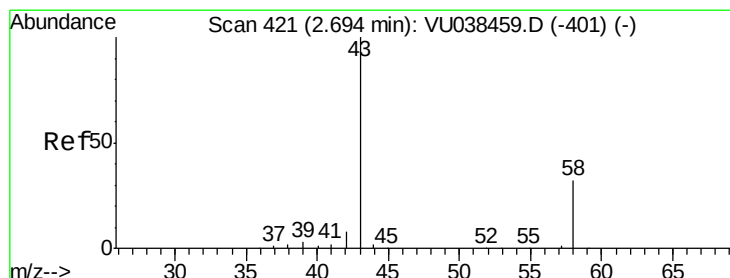
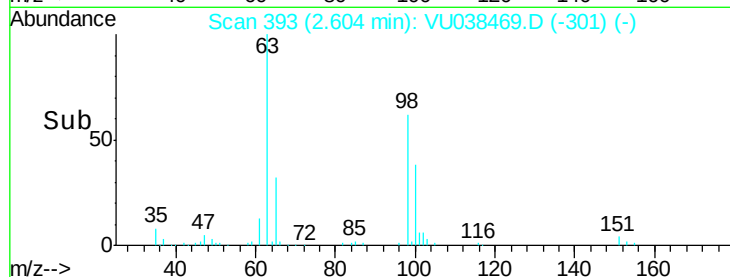
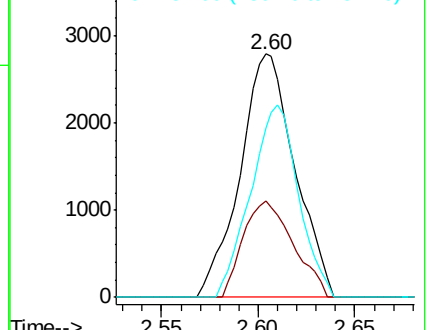
151 68.9 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 4.552 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.01 min

Lab File: VU038469.D

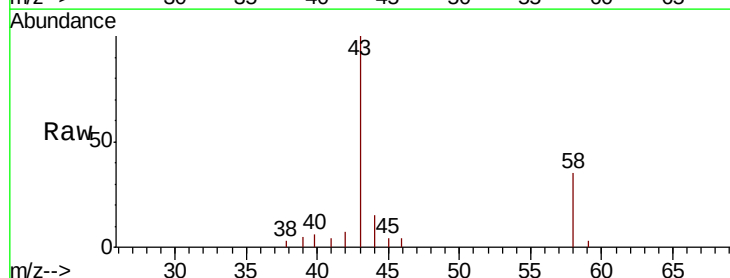
Acq: 01 Jun 2020 14:33

Tgt Ion: 43 Resp: 16851

Ion Ratio Lower Upper

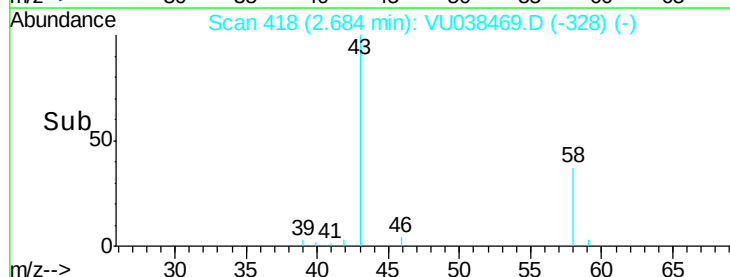
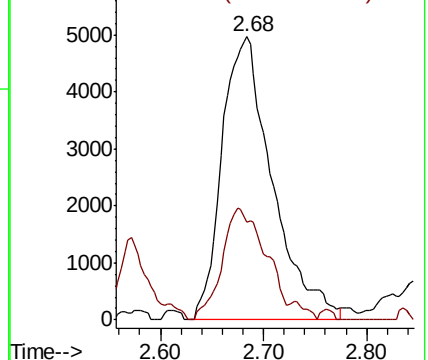
43 100

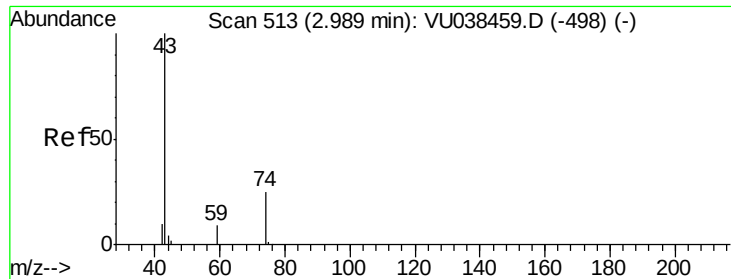
58 34.0 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

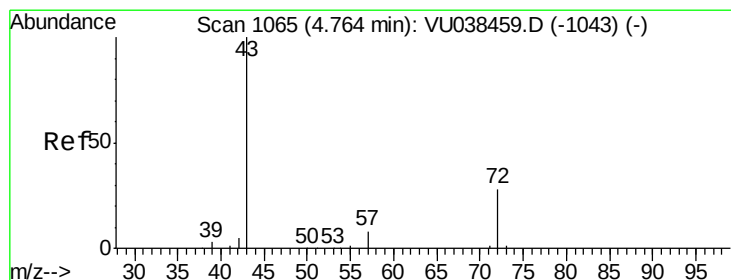
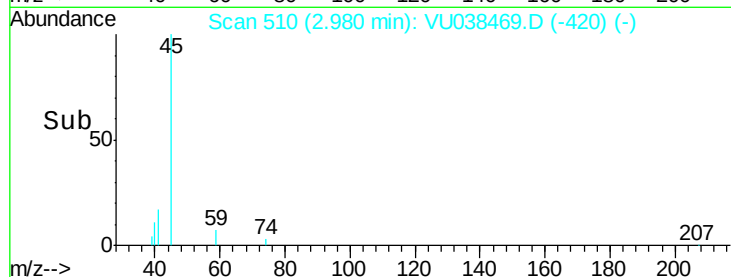
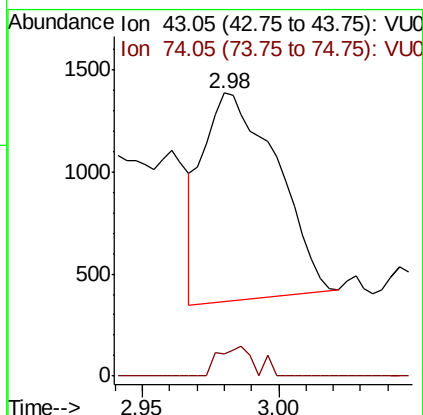
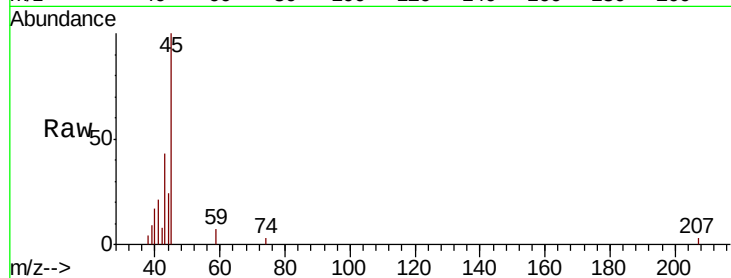




#15  
Methyl Acetate  
Concen: 0.211 ug/L  
RT: 2.98 min Scan# 510  
Delta R.T. -0.01 min  
Lab File: VU038469.D  
Acq: 01 Jun 2020 14:33

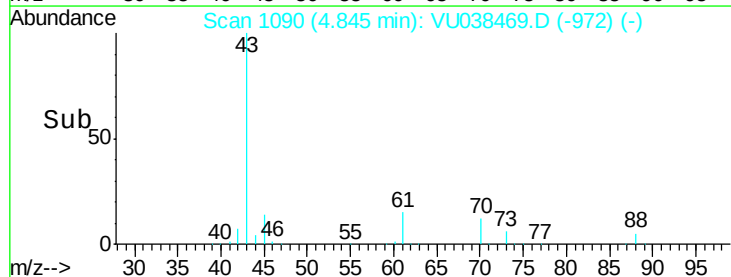
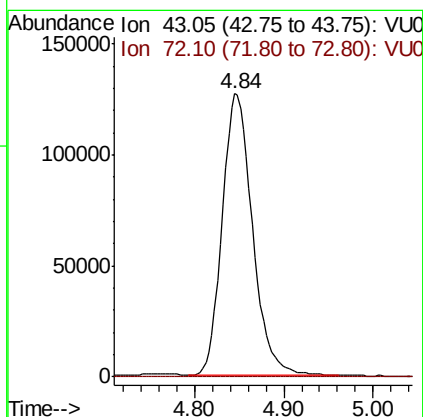
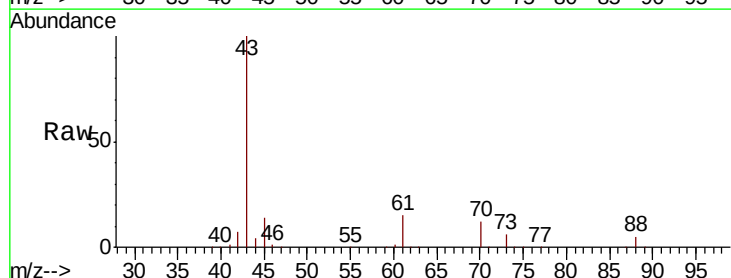
Instrument :  
MSVOA\_U  
ClientSampleId :

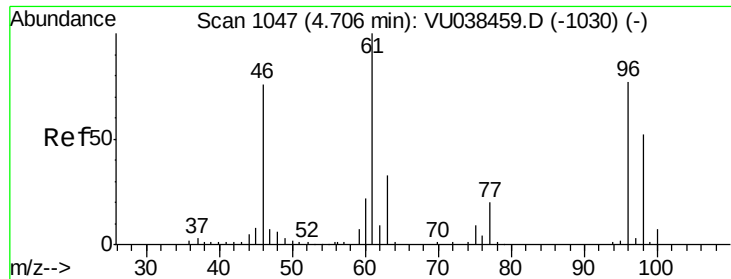
Tot Ion: 43 Resp: 1918  
Ion Ratio Lower Upper  
43 100  
74 7.1 19.2 28.8#



#21  
2-Butanone  
Concen: 47.748 ug/L  
RT: 4.84 min Scan# 1090  
Delta R.T. 0.08 min  
Lab File: VU038469.D  
Acq: 01 Jun 2020 14:33

Tgt Ion: 43 Resp: 297299  
Ion Ratio Lower Upper  
43 100  
72 0.1 12.6 37.8#





#22

cis-1,2-Dichloroethene

Concen: 0.350 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038469.D

Acq: 01 Jun 2020 14:33

Instrument :  
MSVOA\_U  
ClientSampled :

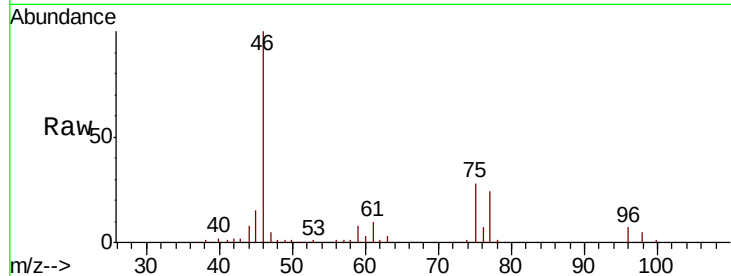
Tot Ion: 96 Resp: 7201

Ion Ratio Lower Upper

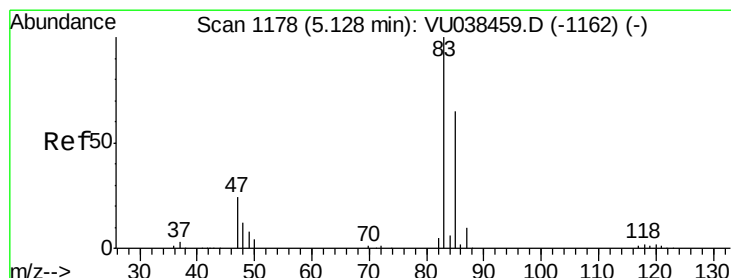
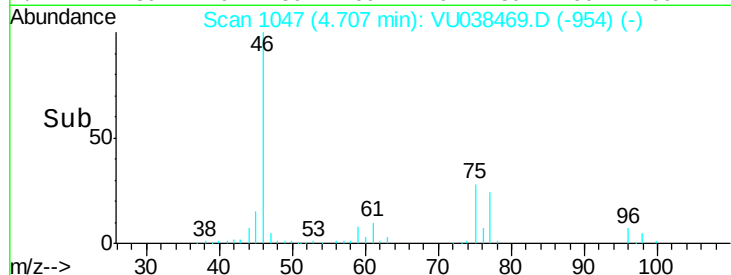
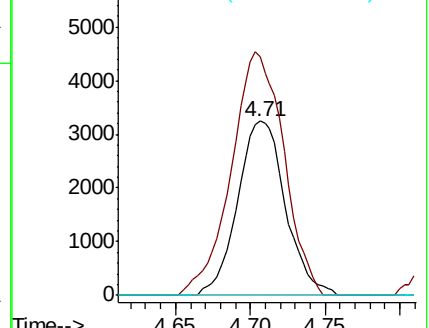
96 100

61 136.9 94.0 174.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.245 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038469.D

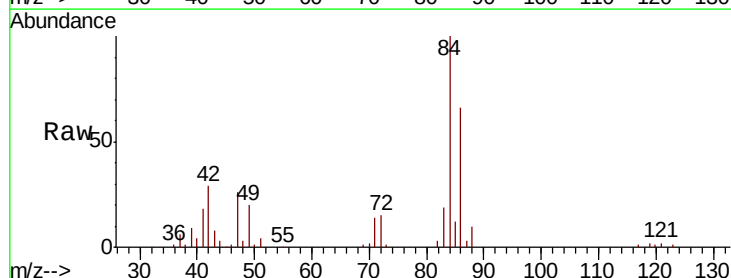
Acq: 01 Jun 2020 14:33

Tgt Ion: 83 Resp: 8511

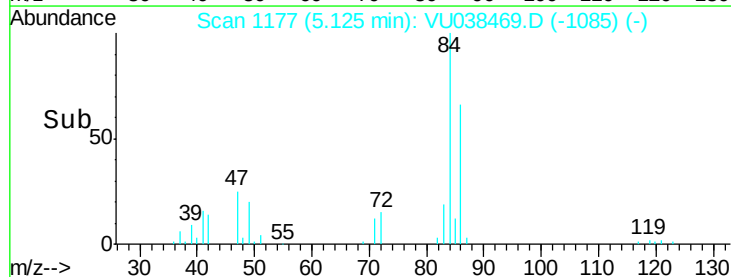
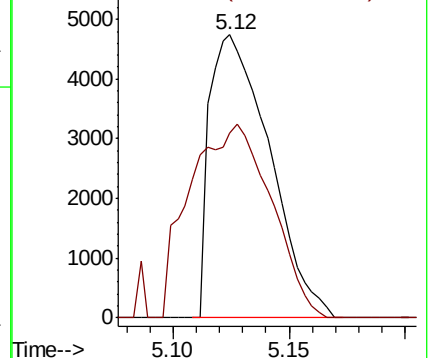
Ion Ratio Lower Upper

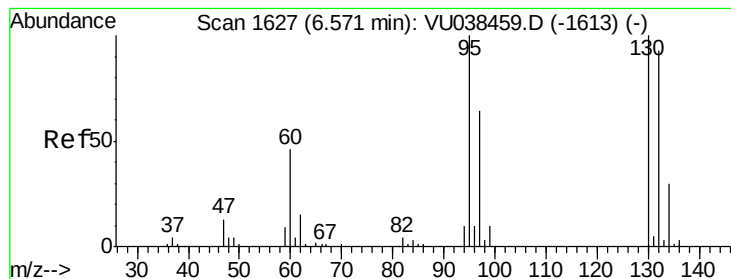
83 100

85 65.2 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0  
Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.621 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038469.D

Acq: 01 Jun 2020 14:33

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 95 Resp: 12804

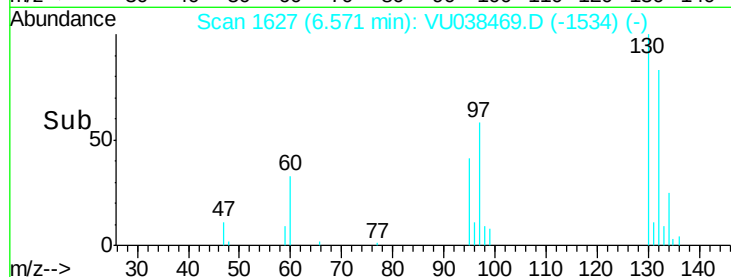
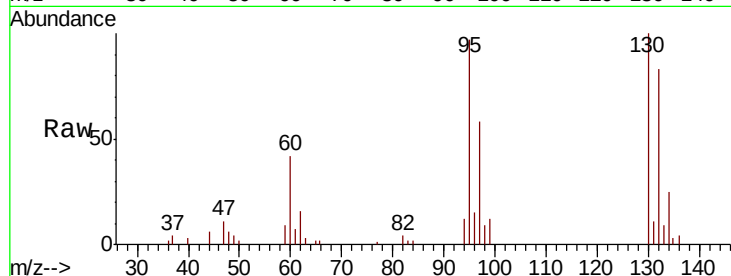
Ion Ratio Lower Upper

95 100

97 59.3 46.8 87.0

132 85.3 66.1 122.7

130 102.7 70.0 130.0

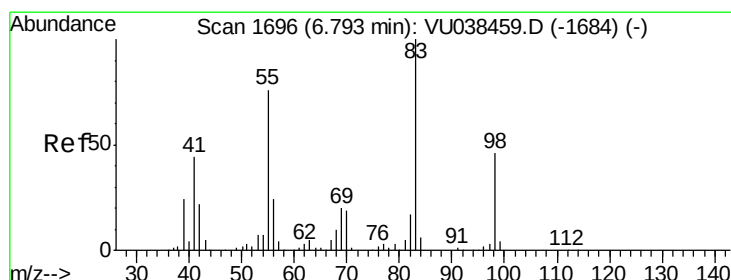
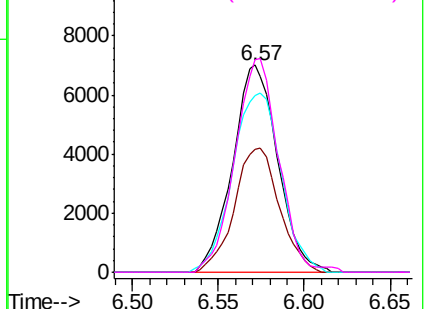


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.902 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038469.D

Acq: 01 Jun 2020 14:33

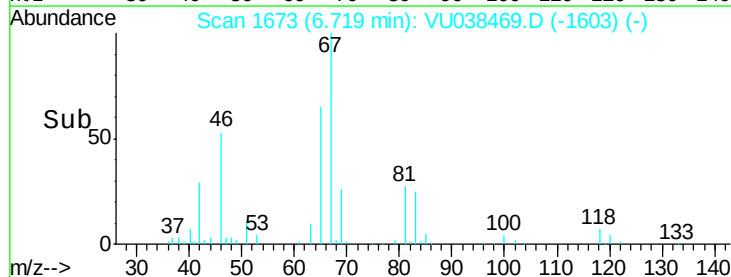
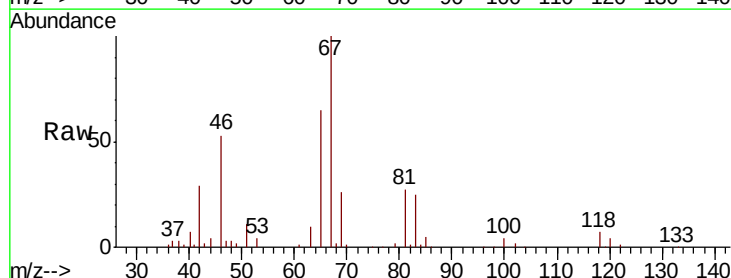
Tgt Ion: 83 Resp: 28804

Ion Ratio Lower Upper

83 100

55 0.7 63.4 95.2#

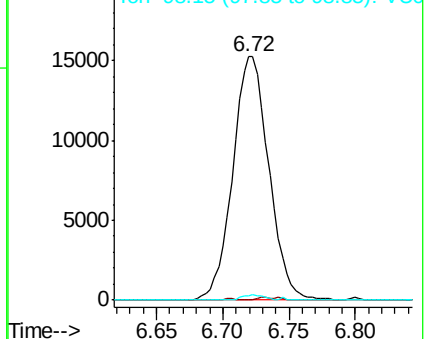
98 1.2 39.0 58.4#

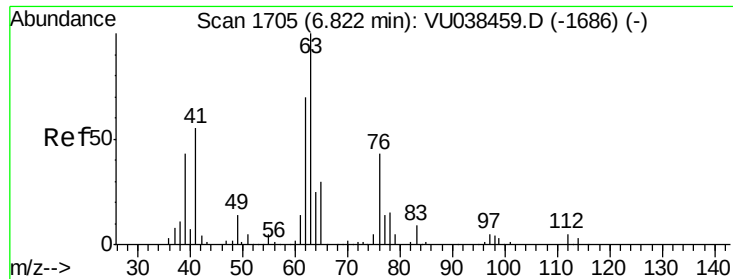


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

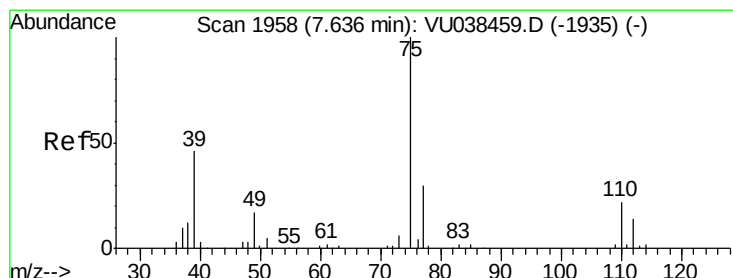
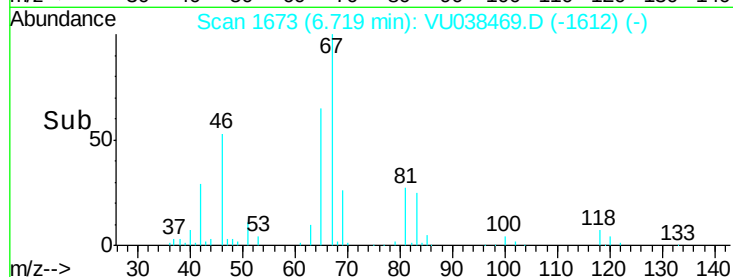
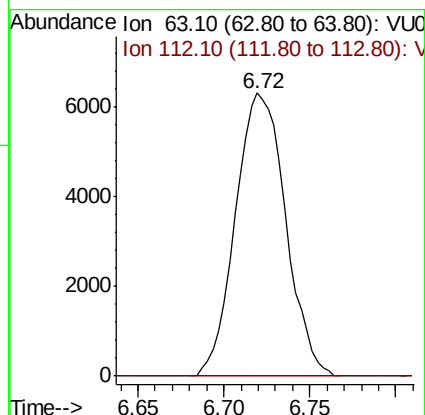
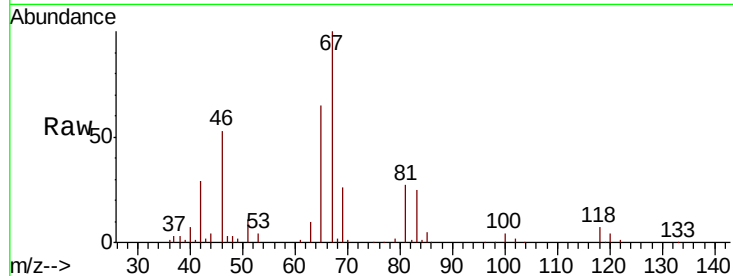




#37  
 1,2-Dichloropropane  
 Concen: 0.639 ug/L  
 RT: 6.72 min Scan# 1673  
 Delta R.T. -0.10 min  
 Lab File: VU038469.D  
 Acq: 01 Jun 2020 14:33

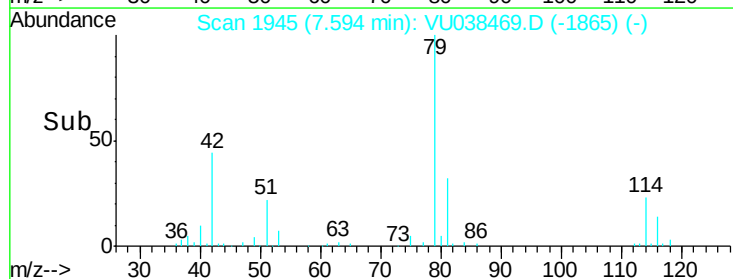
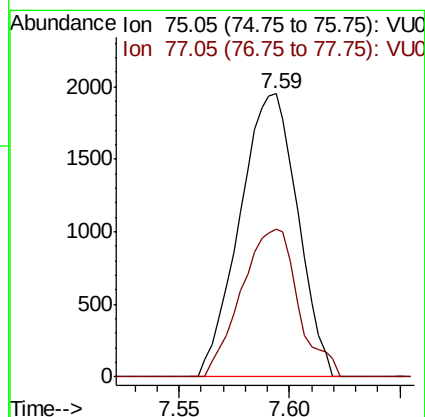
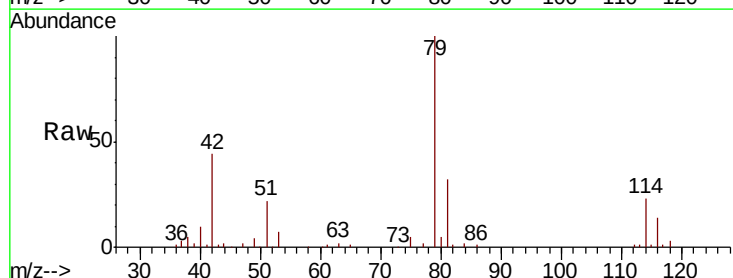
Instrument :  
 MSVOA\_U  
 ClientSampleId :

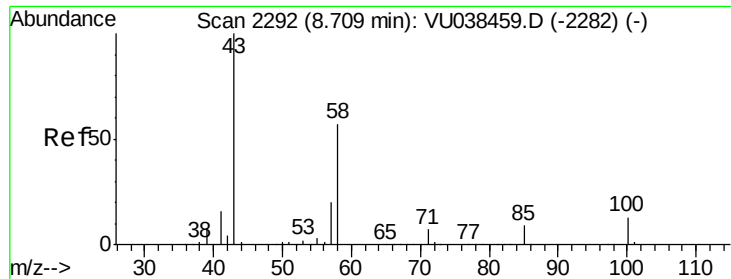
Tot Ion: 63 Resp: 12784  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.7 5.5#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.120 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU038469.D  
 Acq: 01 Jun 2020 14:33

Tgt Ion: 75 Resp: 3548  
 Ion Ratio Lower Upper  
 75 100  
 77 52.4 21.9 40.7#

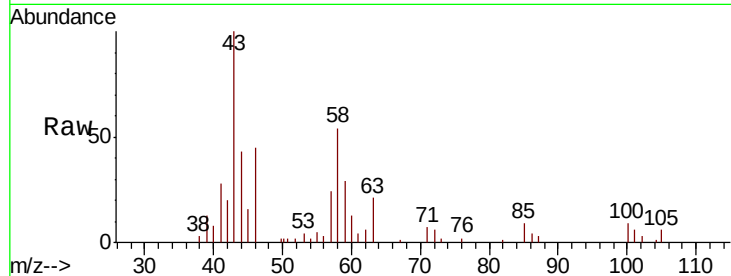




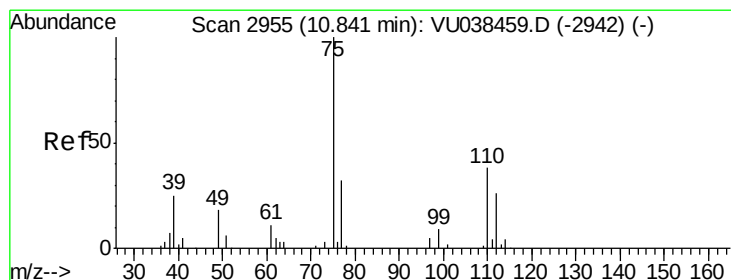
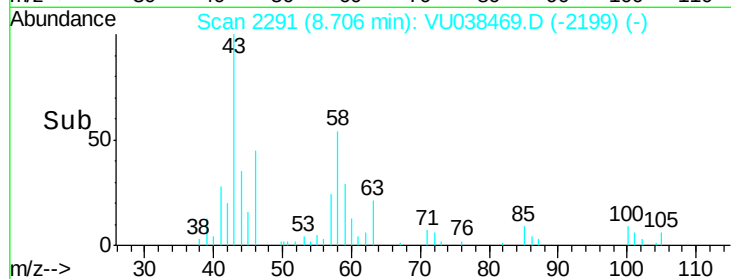
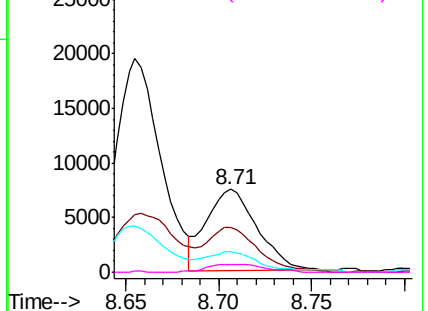
#48  
 2-Hexanone  
 Concen: 1.317 ug/L  
 RT: 8.71 min Scan# 2291  
 Delta R.T. -0.00 min  
 Lab File: VU038469.D  
 Acq: 01 Jun 2020 14:33

Instrument :  
 MSVOA\_U  
 ClientSampled :

Tot Ion: 43 Resp: 14272  
 Ion Ratio Lower Upper  
 43 100  
 58 54.9 45.4 68.0  
 57 20.8 15.9 23.9  
 100 11.3 10.5 15.7

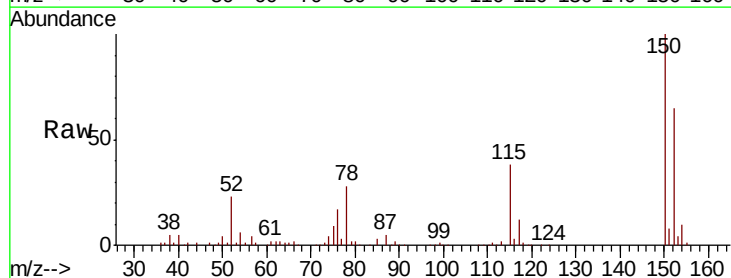


Abundance Ion 43.05 (42.75 to 43.75): VU0  
 Ion 58.05 (57.75 to 58.75): VU0  
 Ion 57.20 (56.90 to 57.90): VU0  
 Ion 100.15 (99.85 to 100.85): VU0



#59  
 1,2,3-Trichloropropane  
 Concen: 1.213 ug/L  
 RT: 11.82 min Scan# 3260  
 Delta R.T. 0.98 min  
 Lab File: VU038469.D  
 Acq: 01 Jun 2020 14:33

Tgt Ion: 75 Resp: 18107  
 Ion Ratio Lower Upper  
 75 100  
 77 33.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0  
 Ion 77.00 (76.70 to 77.70): VU0

