

Data File : VU036791.D  
Acq On : 14 Feb 2020 16:56  
Operator : JC/MD  
Sample : L1537-04  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AQ4

Quant Time: Feb 14 23:43:35 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Feb 14 23:39:59 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 118339   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 112618   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 43399    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 42242    | 4.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 83.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 40813    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 58253    | 3.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.60%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 117277   | 54.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 109.90% |
| 24) Chloroform-d               | 5.11   | 84    | 75907    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 45527    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.20% |
| 32) Benzene-d6                 | 5.77   | 84    | 162825   | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 54268    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.00% |
| 41) Toluene-d8                 | 7.92   | 98    | 150145   | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.20%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 18403    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.20%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 98365    | 50.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.98% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 40652    | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 44843    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.40% |

#### Target Compounds

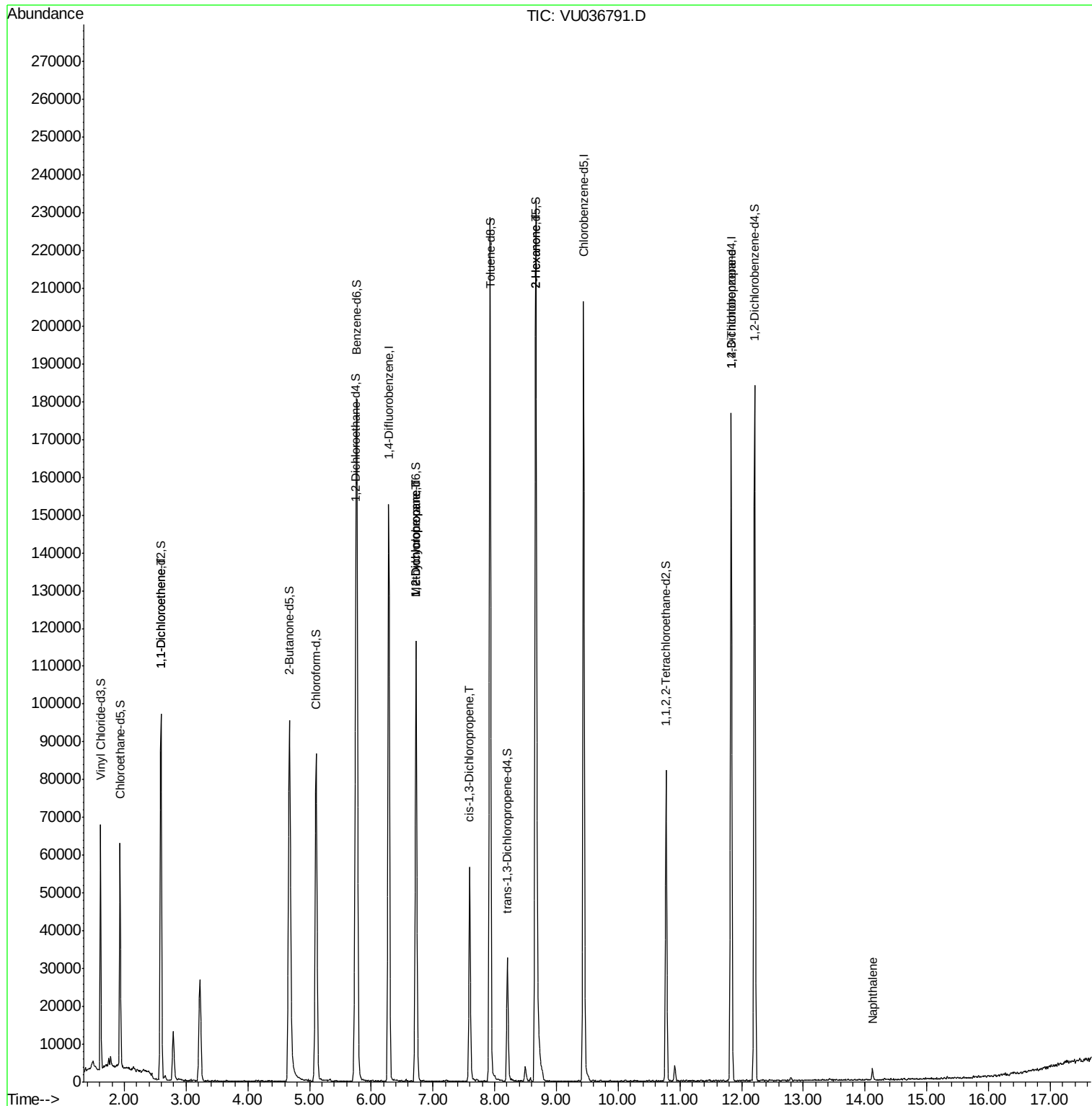
|                             |       |     |       |       | Qvalue |    |
|-----------------------------|-------|-----|-------|-------|--------|----|
| 12) 1,1-Dichloroethene      | 2.59  | 96  | 441   | 0.061 | ug/L # | 1  |
| 35) Methylcyclohexane       | 6.73  | 83  | 11521 | 0.821 | ug/L # | 19 |
| 37) 1,2-Dichloropropane     | 6.73  | 63  | 5966  | 0.629 | ug/L # | 89 |
| 39) cis-1,3-Dichloropropene | 7.59  | 75  | 1309  | 0.095 | ug/L # | 50 |
| 48) 2-Hexanone              | 8.66  | 43  | 11330 | 2.163 | ug/L # | 70 |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75  | 6895  | 1.101 | ug/L   | 96 |
| 69) Naphthalene             | 14.12 | 128 | 2693  | 0.187 | ug/L # | 92 |

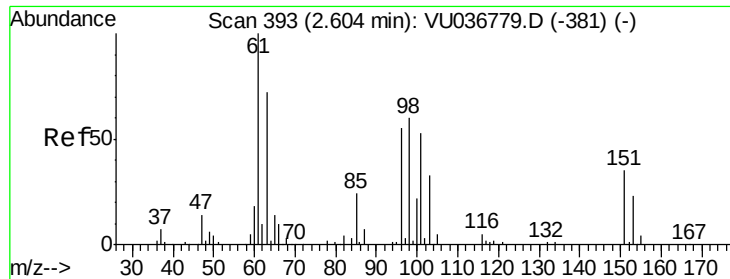
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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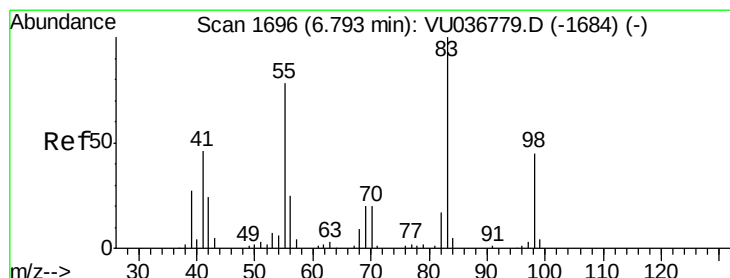
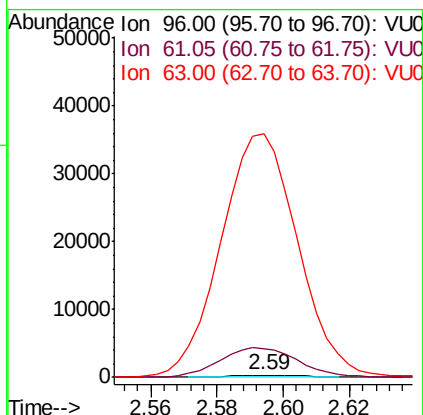
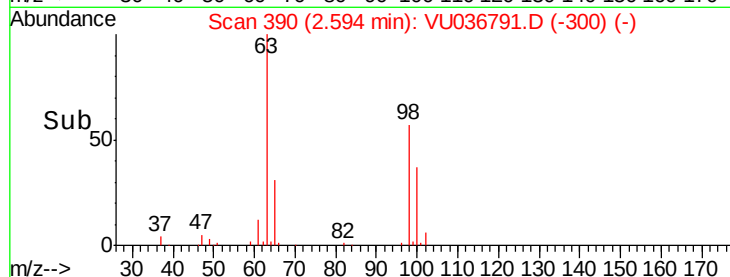
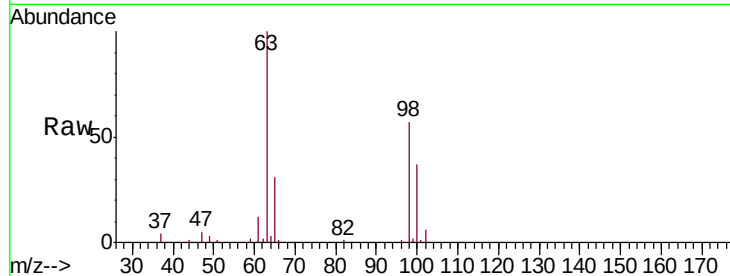




#12  
 1,1-Dichloroethene  
 Concen: 0.061 ug/L  
 RT: 2.59 min Scan# 390  
 Delta R.T. -0.01 min  
 Lab File: VU036791.D  
 Acq: 14 Feb 2020 16:56

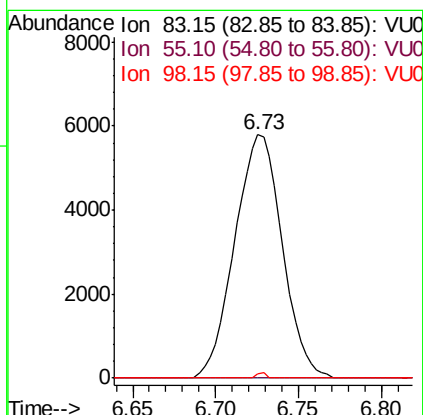
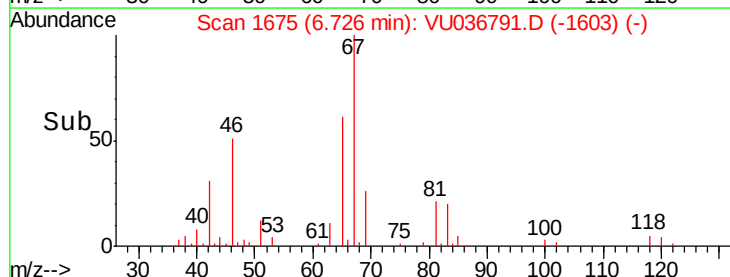
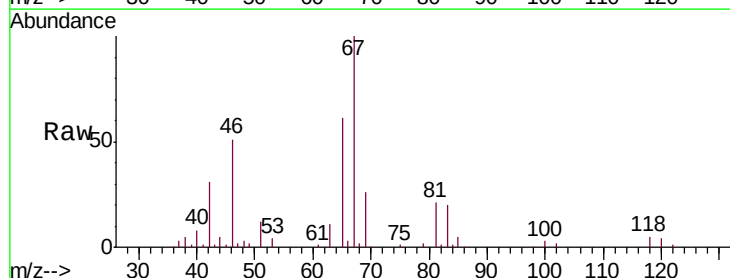
Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 C0AQ4

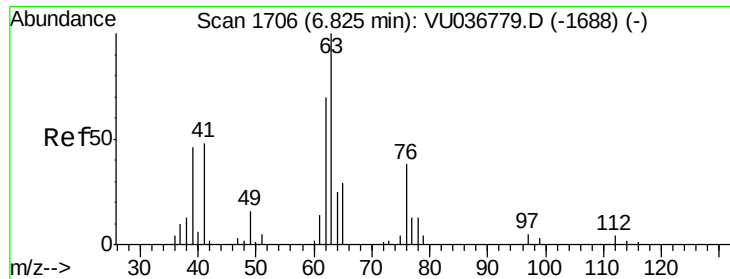
Tgt Ion: 96 Resp: 441  
 Ion Ratio Lower Upper  
 96 100  
 61 1319.1 126.4 234.8#  
 63 11044.9 89.5 166.3#



#35  
 Methylcyclohexane  
 Concen: 0.821 ug/L  
 RT: 6.73 min Scan# 1675  
 Delta R.T. -0.07 min  
 Lab File: VU036791.D  
 Acq: 14 Feb 2020 16:56

Tgt Ion: 83 Resp: 11521  
 Ion Ratio Lower Upper  
 83 100  
 55 0.0 61.0 91.4#  
 98 0.4 34.2 51.4#

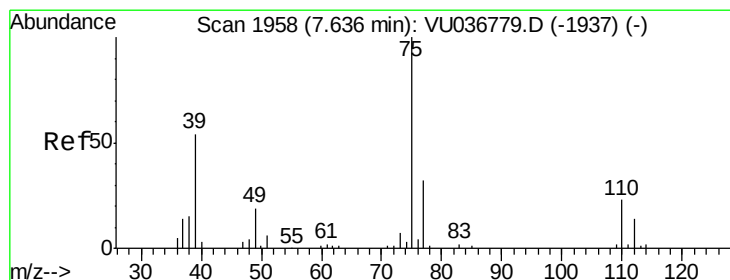
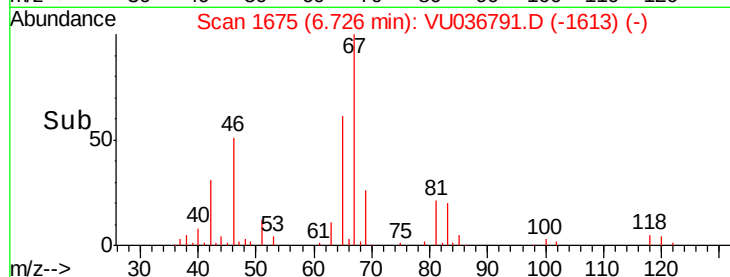
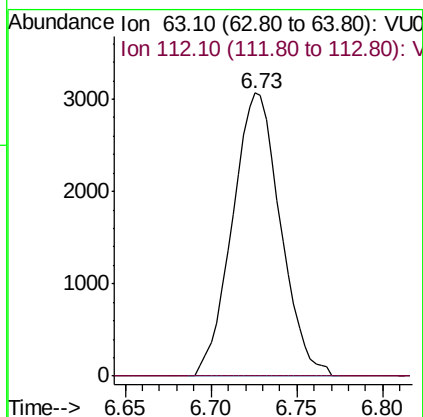
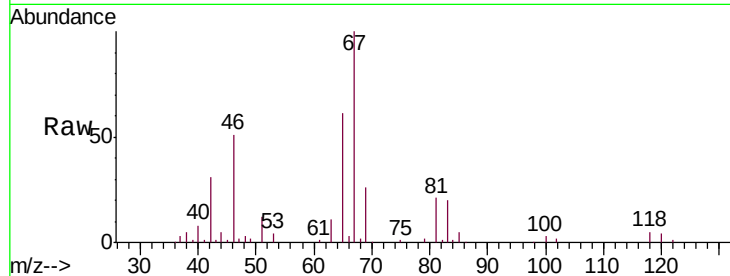




#37  
 1,2-Dichloropropane  
 Concen: 0.629 ug/L  
 RT: 6.73 min Scan# 1675  
 Delta R.T. -0.10 min  
 Lab File: VU036791.D  
 Acq: 14 Feb 2020 16:56

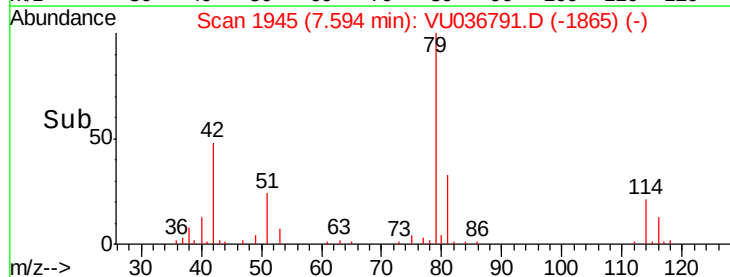
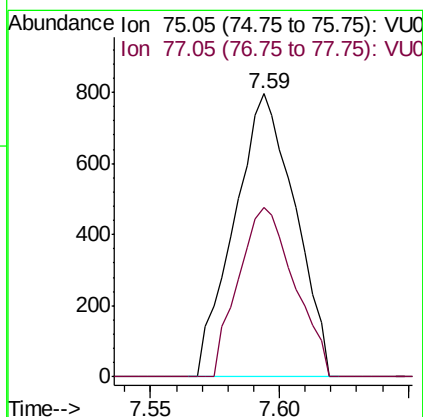
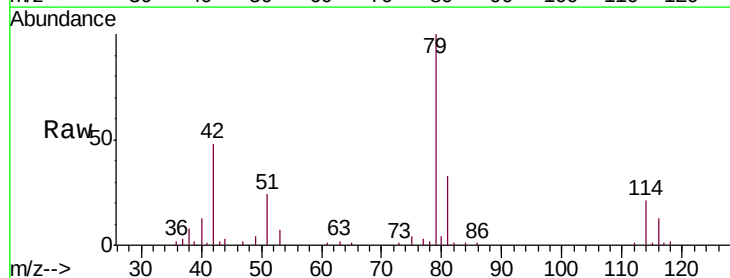
Instrument :  
 MSVOA\_U  
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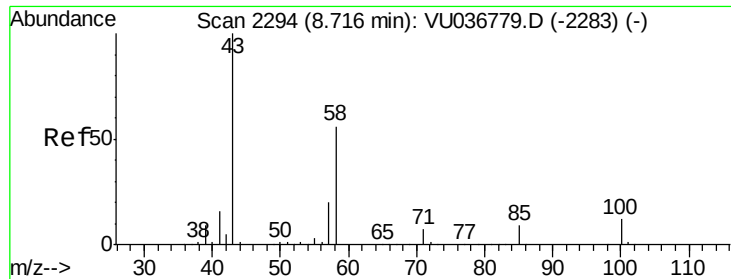
Tgt Ion: 63 Resp: 5966  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.0 4.4#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.095 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU036791.D  
 Acq: 14 Feb 2020 16:56

Tgt Ion: 75 Resp: 1309  
 Ion Ratio Lower Upper  
 75 100  
 77 59.9 22.5 41.9#

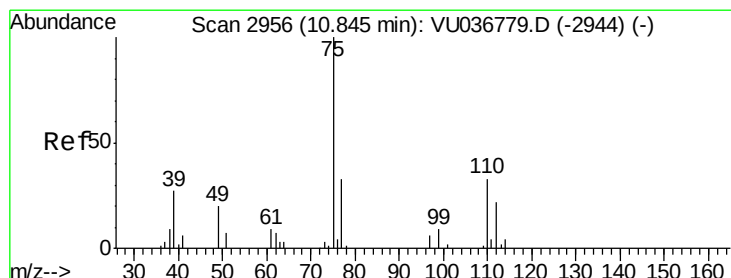
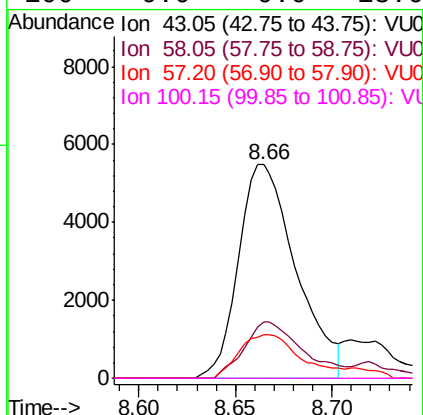
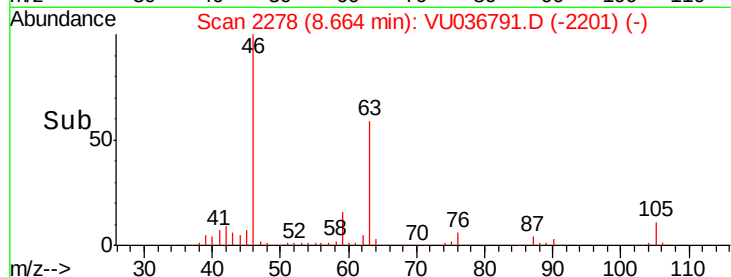
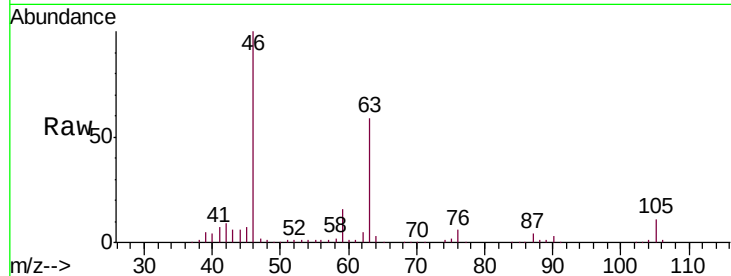




#48  
 2-Hexanone  
 Concen: 2.163 ug/L  
 RT: 8.66 min Scan# 2278  
 Delta R.T. -0.05 min  
 Lab File: VU036791.D  
 Acq: 14 Feb 2020 16:56

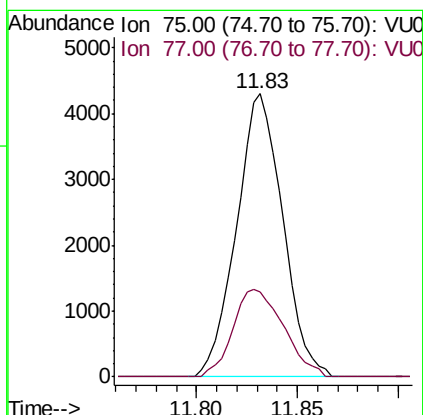
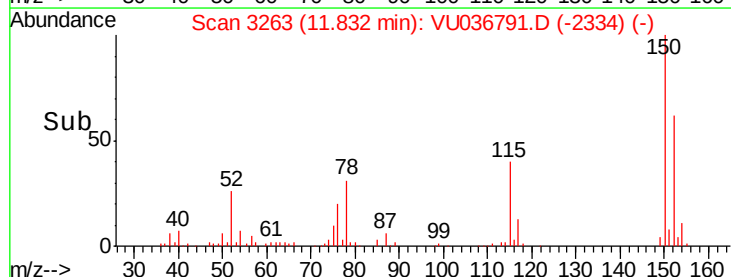
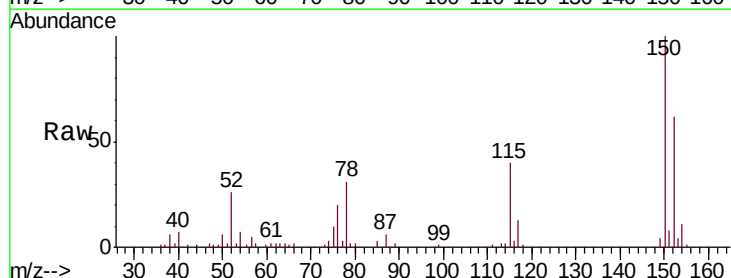
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AQ4

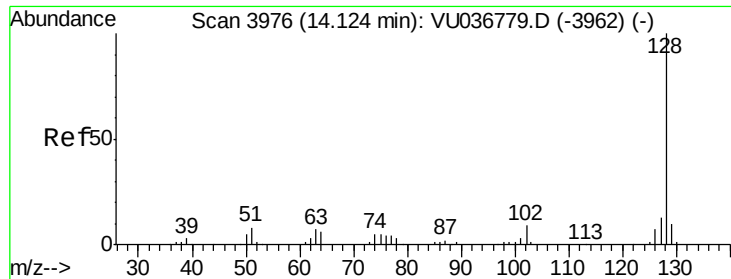
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 11330 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 26.8  | 43.6  | 65.4# |
| 57       | 21.8  | 15.0  | 22.4  |
| 100      | 0.0   | 9.0   | 13.6# |



#59  
 1,2,3-Trichloropropane  
 Concen: 1.101 ug/L  
 RT: 11.83 min Scan# 3263  
 Delta R.T. 0.99 min  
 Lab File: VU036791.D  
 Acq: 14 Feb 2020 16:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6895  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 34.0  | 25.6  | 38.4  |





#69

Naphthalene

Concen: 0.187 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VU036791.D

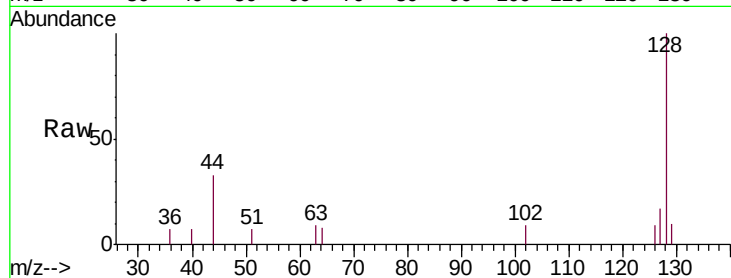
Acq: 14 Feb 2020 16:56

Instrument :

MSVOA\_U

ClientSampleId :

C0AQ4



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 2693  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 6.8   | 9.0   | 13.4# |
| 127      | 11.8  | 10.8  | 16.2  |

