

Data File : VU036919.D  
Acq On : 26 Feb 2020 16:49  
Operator : JC/MD  
Sample : L1687-03  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AS3

Quant Time: Feb 27 04:50:58 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM022420WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Feb 27 04:47:27 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 248527   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 232484   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 90987    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 88585    | 42.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.88%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 79944    | 46.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.58%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 114866   | 32.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.74%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 147757   | 105.54   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.54% |
| 24) Chloroform-d               | 5.11    | 84    | 150802   | 47.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.64%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 104770   | 48.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.16%  |
| 32) Benzene-d6                 | 5.76    | 84    | 324423   | 48.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.52%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 107631   | 49.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.82%  |
| 41) Toluene-d8                 | 7.93    | 98    | 294091   | 47.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.30%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 45501    | 44.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.90%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 104820   | 98.42    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.42%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 150831   | 49.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.24%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 88469    | 49.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.48%  |

#### Target Compounds

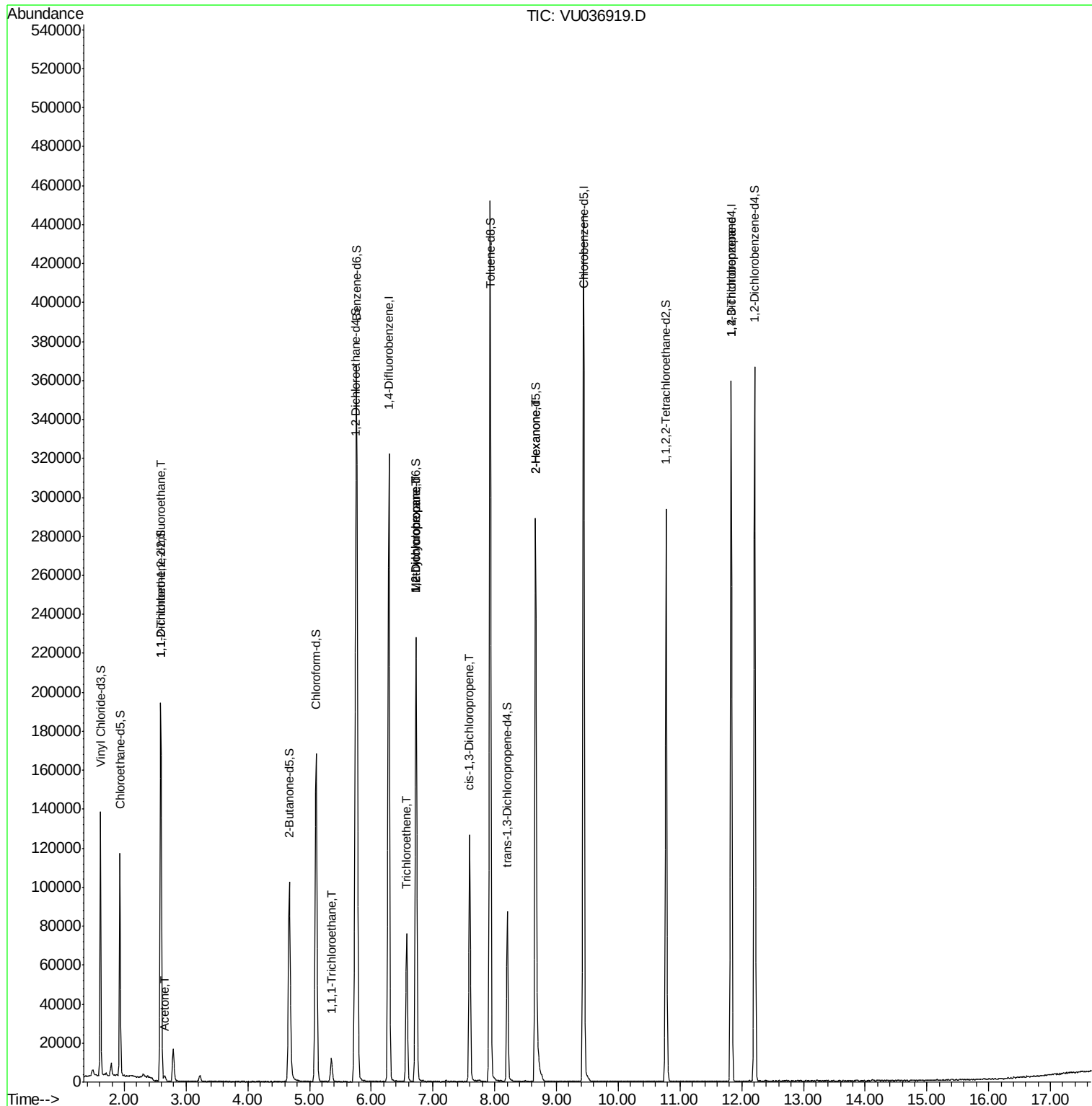
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59  | 101 | 1141  | 0.719 ug/L # | 23     |
| 13) Acetone                    | 2.66  | 43  | 2877  | 1.998 ug/L   | 100    |
| 30) 1,1,1-Trichloroethane      | 5.36  | 97  | 7955  | 3.191 ug/L   | 94     |
| 34) Trichloroethene            | 6.57  | 95  | 24770 | 13.722 ug/L  | 96     |
| 35) Methylcyclohexane          | 6.73  | 83  | 23808 | 7.607 ug/L # | 19     |
| 37) 1,2-Dichloropropane        | 6.73  | 63  | 12063 | 6.100 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene    | 7.59  | 75  | 2799  | 0.919 ug/L # | 60     |
| 48) 2-Hexanone                 | 8.66  | 43  | 12255 | 5.270 ug/L # | 72     |
| 59) 1,2,3-Trichloropropane     | 11.83 | 75  | 13334 | 5.241 ug/L   | 95     |

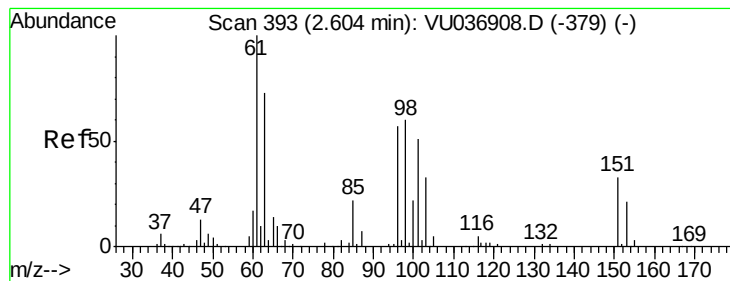
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.719 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU036919.D

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Instrument :

MSVOA\_U

ClientSampleId :

C0AS3

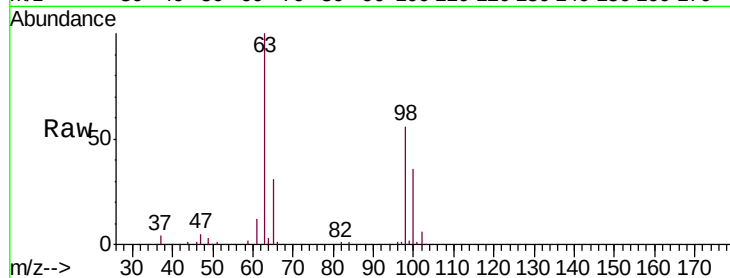
Tgt Ion: 101 Resp: 1141

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

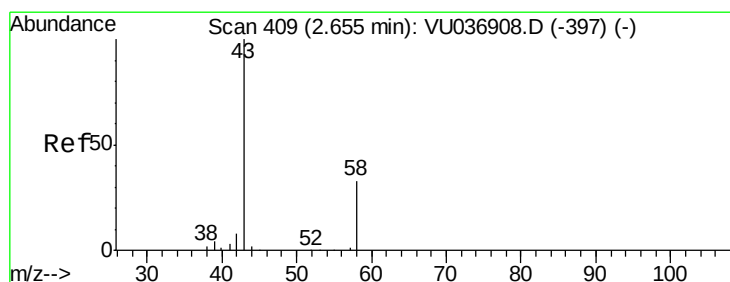
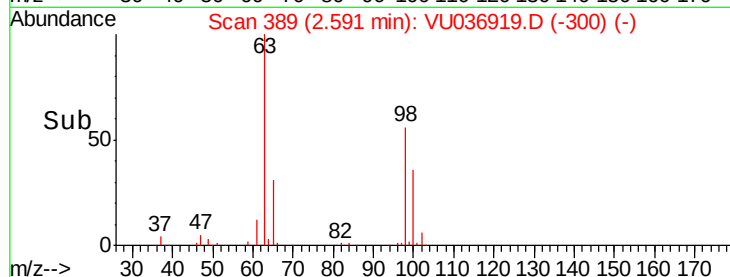
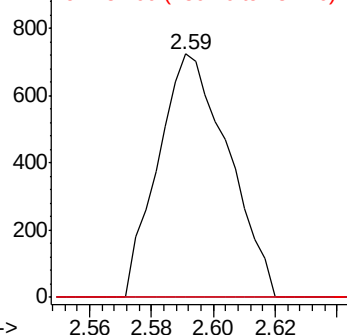
151 0.0 52.4 78.6#



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: 1.998 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036919.D

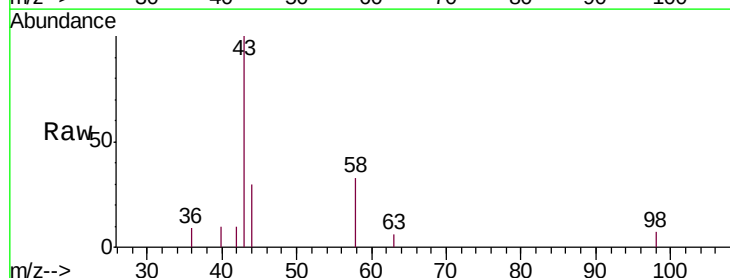
Acq: 26 Feb 2020 16:49

Tgt Ion: 43 Resp: 2877

Ion Ratio Lower Upper

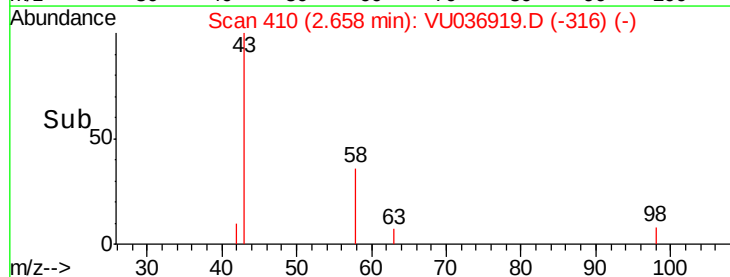
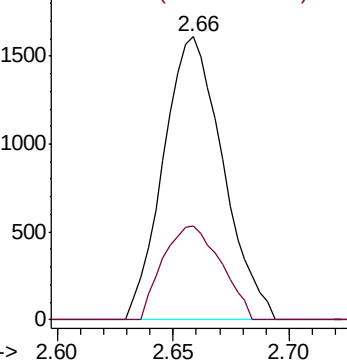
43 100

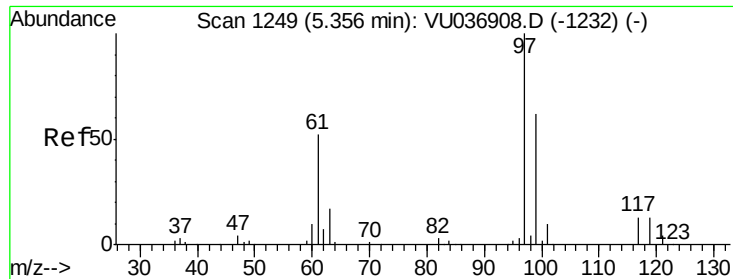
58 32.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

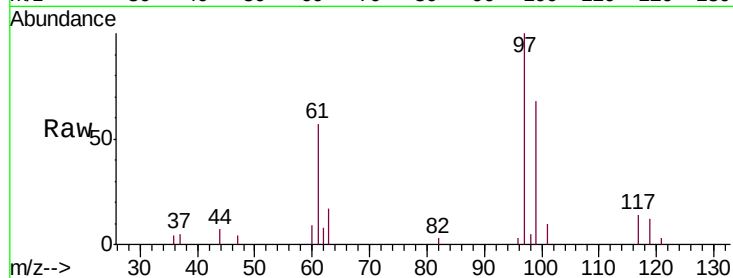




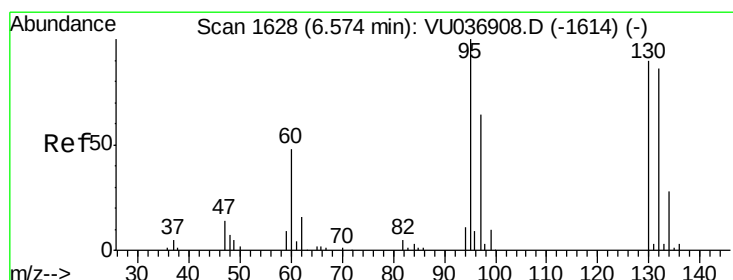
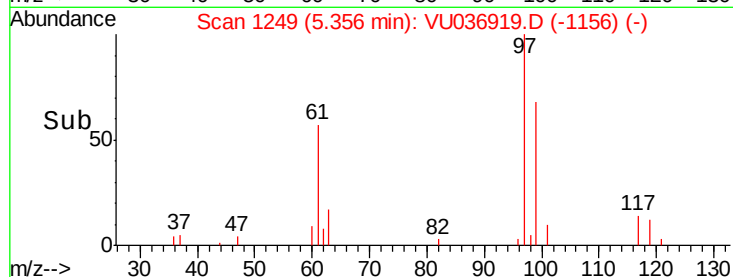
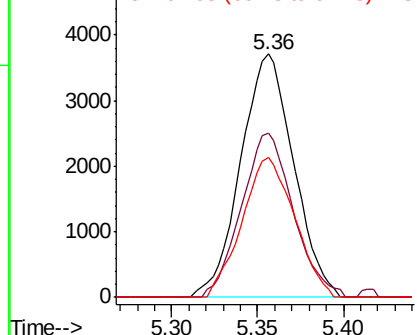
#30  
 1,1,1-Trichloroethane  
 Concen: 3.191 ug/L  
 RT: 5.36 min Scan# 1249  
 Delta R.T. 0.00 min  
 Lab File: VU036919.D  
 Acq: 26 Feb 2020 16:49

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 C0AS3

Tgt Ion: 97 Resp: 7955  
 Ion Ratio Lower Upper  
 97 100  
 99 66.0 50.4 75.6  
 61 56.9 40.3 60.5

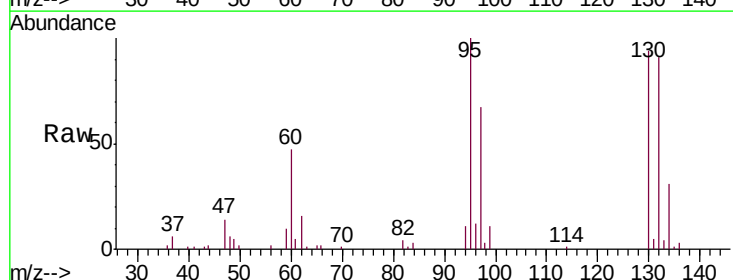


Abundance Ion 97.00 (96.70 to 97.70): VU0  
 Ion 99.00 (98.70 to 99.70): VU0  
 Ion 61.05 (60.75 to 61.75): VU0

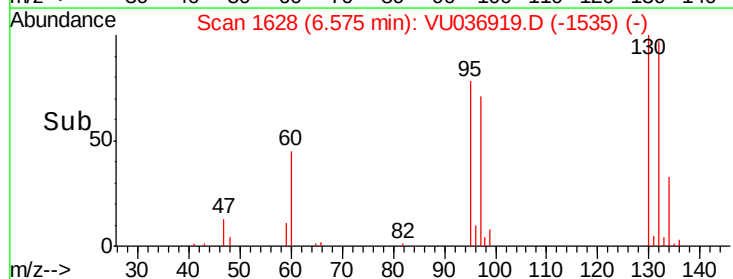
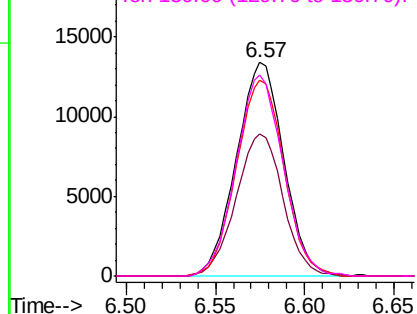


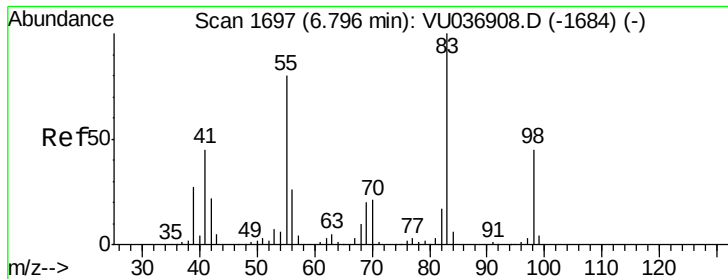
#34  
 Trichloroethene  
 Concen: 13.722 ug/L  
 RT: 6.57 min Scan# 1628  
 Delta R.T. 0.00 min  
 Lab File: VU036919.D  
 Acq: 26 Feb 2020 16:49

Tgt Ion: 95 Resp: 24770  
 Ion Ratio Lower Upper  
 95 100  
 97 66.8 44.1 81.9  
 132 91.5 60.6 112.6  
 130 94.2 64.9 120.5



Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 97.00 (96.70 to 97.70): VU0  
 Ion 132.00 (131.70 to 132.70): V  
 Ion 130.00 (129.70 to 130.70): V

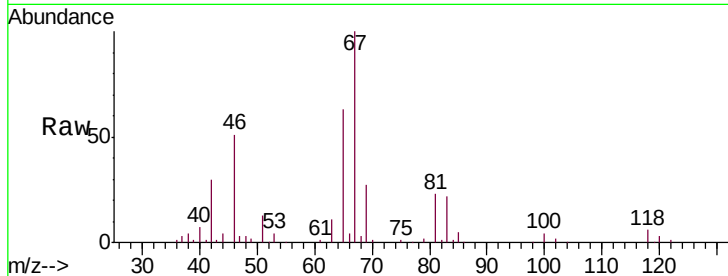




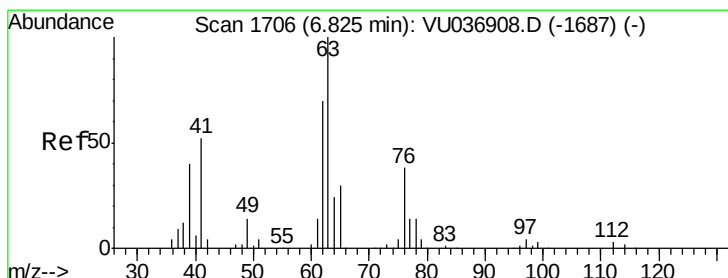
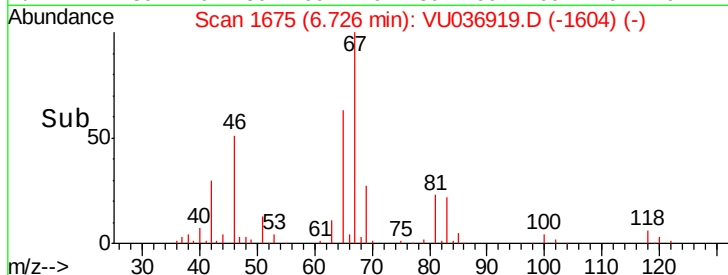
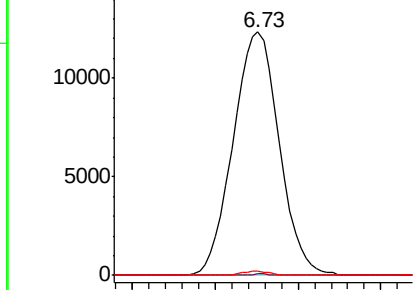
#35  
Methylcyclohexane  
Concen: 7.607 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.07 min  
Lab File: VU036919.D  
Acq: 26 Feb 2020 16:49

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AS3

Tgt Ion: 83 Resp: 23808  
Ion Ratio Lower Upper  
83 100  
55 0.2 62.6 93.8#  
98 1.0 35.1 52.7#

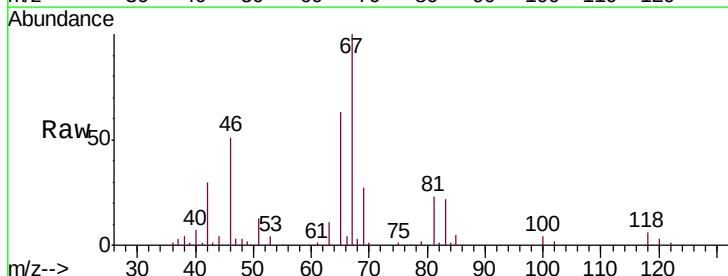


Abundance Ion 83.00 (82.70 to 83.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0

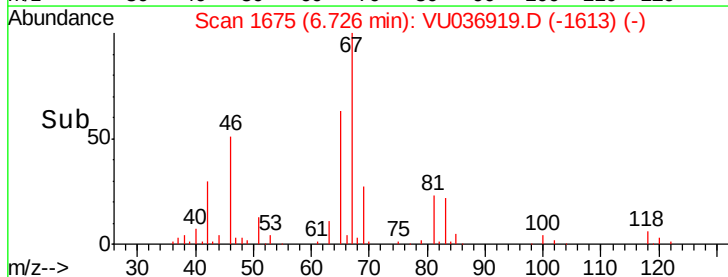
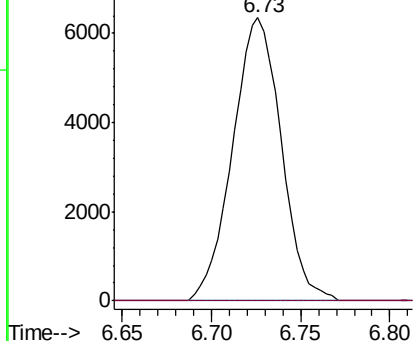


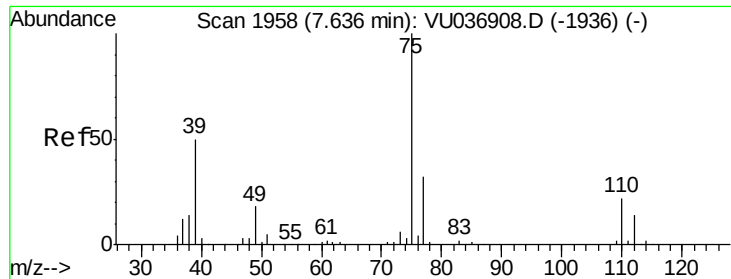
#37  
1,2-Dichloropropane  
Concen: 6.100 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.10 min  
Lab File: VU036919.D  
Acq: 26 Feb 2020 16:49

Tgt Ion: 63 Resp: 12063  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0  
Ion 112.00 (111.70 to 112.70): V

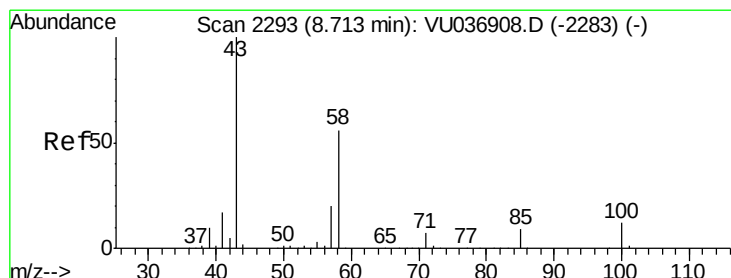
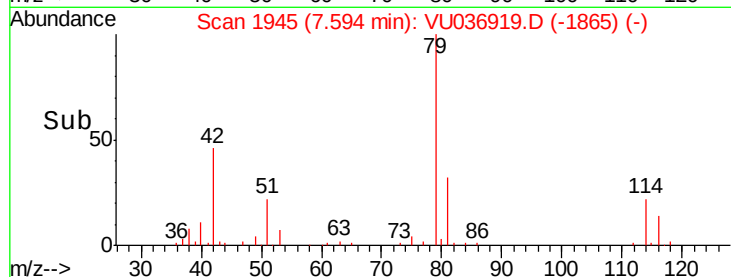
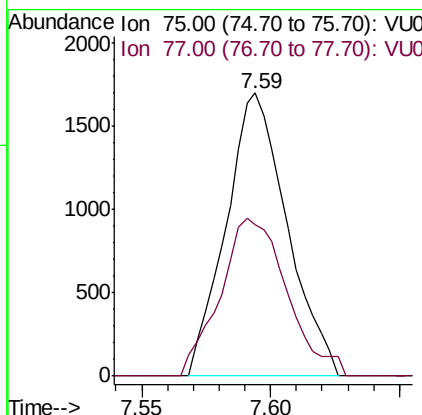
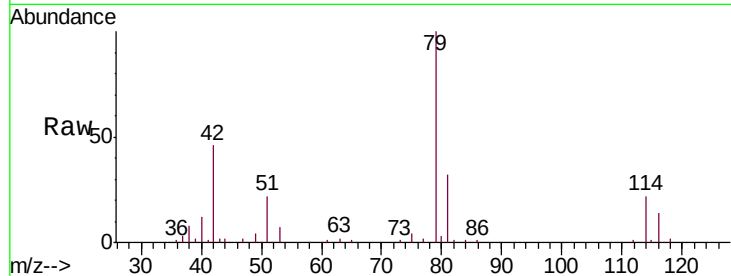




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.919 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU036919.D  
 Acq: 26 Feb 2020 16:49

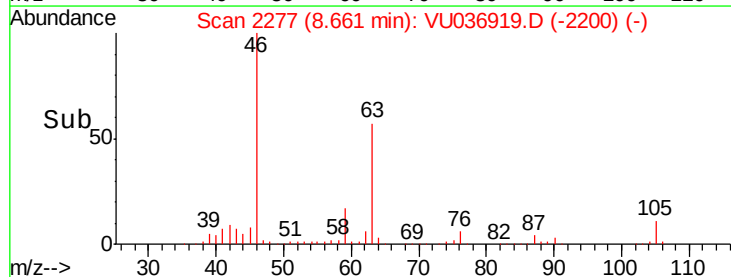
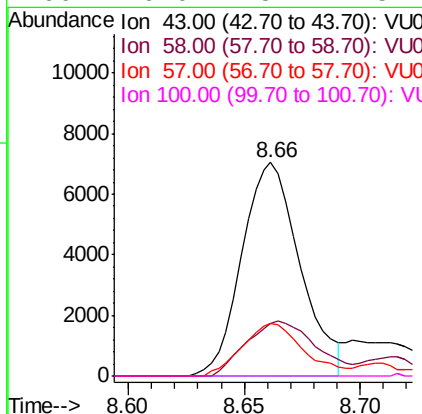
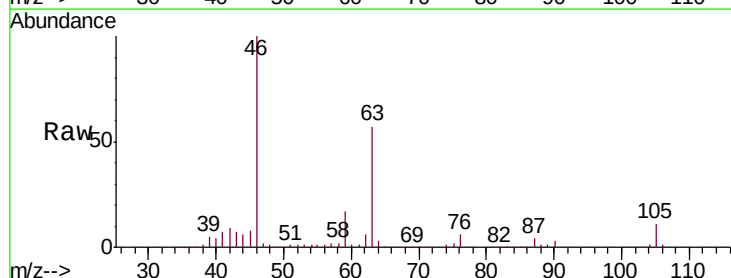
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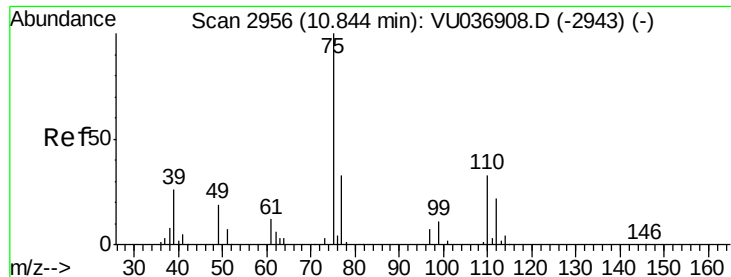
Tgt Ion: 75 Resp: 2799  
 Ion Ratio Lower Upper  
 75 100  
 77 53.7 22.0 41.0#



#48  
 2-Hexanone  
 Concen: 5.270 ug/L  
 RT: 8.66 min Scan# 2277  
 Delta R.T. -0.05 min  
 Lab File: VU036919.D  
 Acq: 26 Feb 2020 16:49

Tgt Ion: 43 Resp: 12255  
 Ion Ratio Lower Upper  
 43 100  
 58 31.0 43.5 65.3#  
 57 25.9 15.1 22.7#  
 100 0.0 8.7 13.1#





#59

1,2,3-Trichloropropane

Concen: 5.241 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU036919.D

Acq: 26 Feb 2020 16:49

Instrument :

MSVOA\_U

ClientSampleId :

C0AS3

Tgt Ion: 75 Resp: 13334

Ion Ratio Lower Upper

75 100

77 35.6 26.2 39.2

