

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\  
 Data File : VU036706.D  
 Acq On : 10 Feb 2020 12:28  
 Operator : JC/MD  
 Sample : VU0210WBL06  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 11 03:34:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMULM020620W.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 11 03:31:43 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 257888   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 242870   | 50.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 103630   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 75809    | 44.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 88.16%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 72730    | 45.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.22%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 108014   | 33.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.54%  |
| 21) 2-Butanone-d5              | 4.68    | 46    | 159652   | 108.80   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 108.80% |
| 24) Chloroform-d               | 5.11    | 84    | 146434   | 47.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 106431   | 49.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.98%  |
| 32) Benzene-d6                 | 5.77    | 84    | 311799   | 48.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.66%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 105732   | 49.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.76%  |
| 41) Toluene-d8                 | 7.93    | 98    | 278367   | 47.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.22%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 46833    | 46.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.28%  |
| 47) 2-Hexanone-d5              | 8.67    | 63    | 125778   | 103.97   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.97% |
| 56) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 155499   | 49.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.56%  |
| 66) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 94767    | 50.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.66% |

## Target Compounds

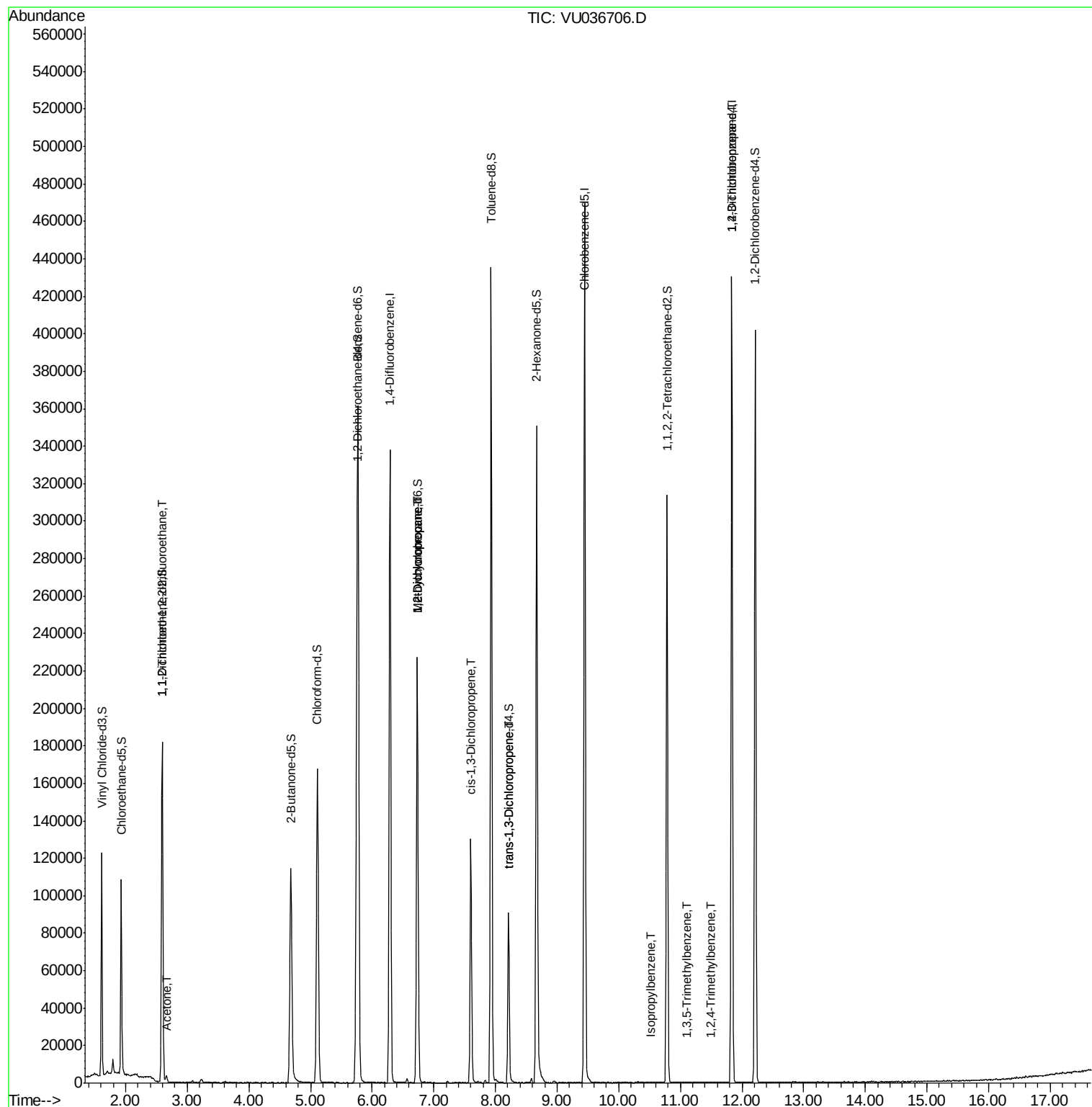
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59  | 101  | 966      | 0.597 | ug/L # | 23     |
| 13) Acetone                    | 2.66  | 43   | 4042     | 2.593 | ug/L   | 98     |
| 35) Methylcyclohexane          | 6.73  | 83   | 23254    | 7.269 | ug/L # | 19     |
| 37) 1,2-Dichloropropane        | 6.73  | 63   | 11661    | 5.887 | ug/L # | 88     |
| 39) cis-1,3-Dichloropropene    | 7.60  | 75   | 3131     | 0.989 | ug/L # | 49     |
| 44) trans-1,3-Dichloropropene  | 8.21  | 75   | 2299     | 0.831 | ug/L   | 90     |
| 60) 1,2,3-Trichloropropane     | 11.83 | 75   | 16186    | 6.640 | ug/L # | 68     |
| 61) Isopropylbenzene           | 10.51 | 105  | 41       | 0.005 | ug/L # | 55     |
| 62) 1,3,5-Trimethylbenzene     | 11.11 | 105  | 41       | 0.006 | ug/L # | 30     |
| 63) 1,2,4-Trimethylbenzene     | 11.49 | 105  | 141      | 0.021 | ug/L # | 32     |

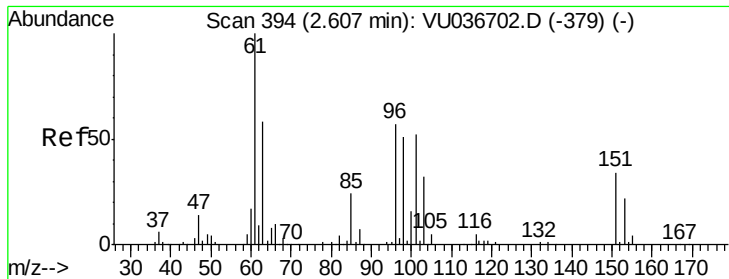
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU021020\  
Data File : VU036706.D  
Acq On : 10 Feb 2020 12:28  
Operator : JC/MD  
Sample : VU0210WBL06  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Feb 11 03:34:04 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMULM020620W.M  
Quant Title : VOC Analysis  
QLast Update : Tue Feb 11 03:31:43 2020  
Response via : Initial Calibration





#10

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

Concen: 0.597 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU036706.D

Acq: 10 Feb 2020 12:28

Instrument :

MSVOA\_U

ClientSampleId :

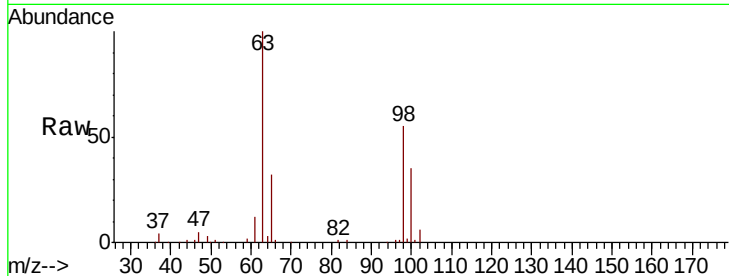
Tot Ion:101 Resp: 966

Ion Ratio Lower Upper

101 100

85 0.0 36.5 54.7#

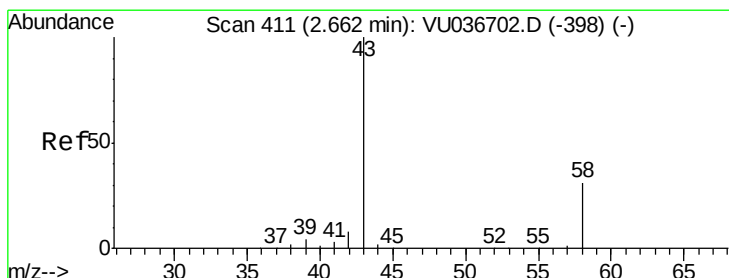
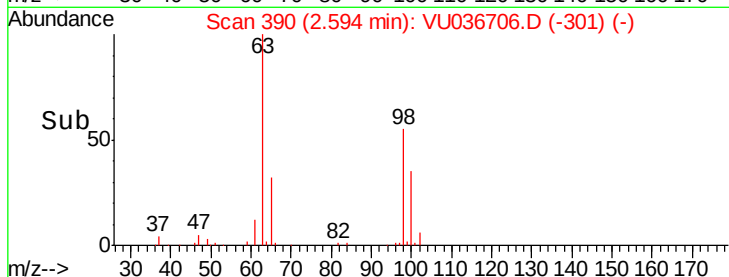
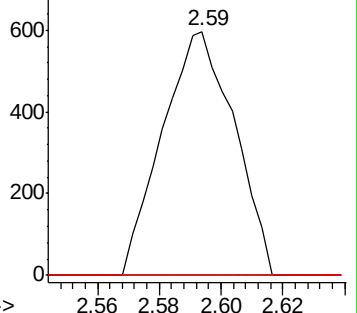
151 0.0 52.6 78.8#



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: 2.593 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU036706.D

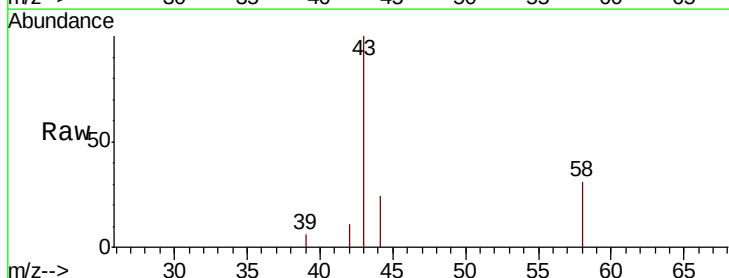
Acq: 10 Feb 2020 12:28

Tgt Ion: 43 Resp: 4042

Ion Ratio Lower Upper

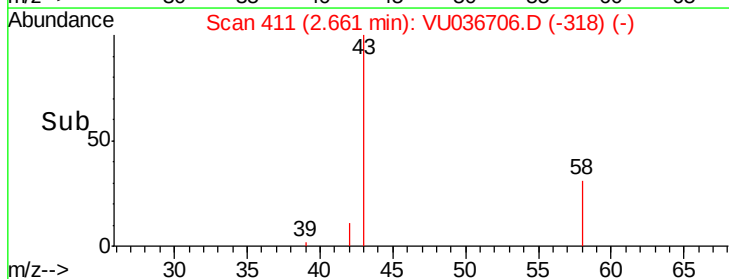
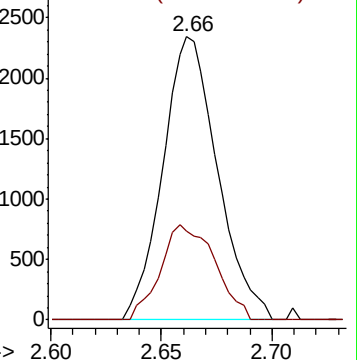
43 100

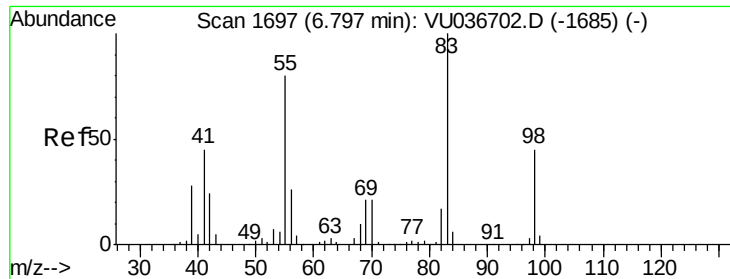
58 33.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

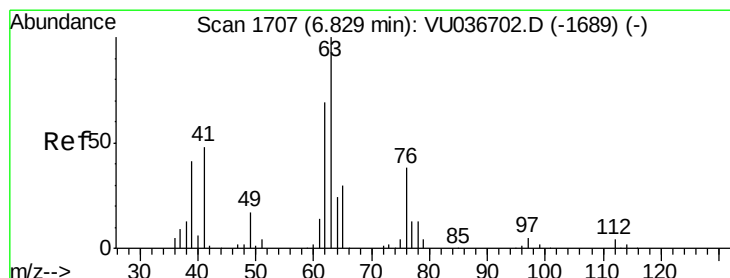
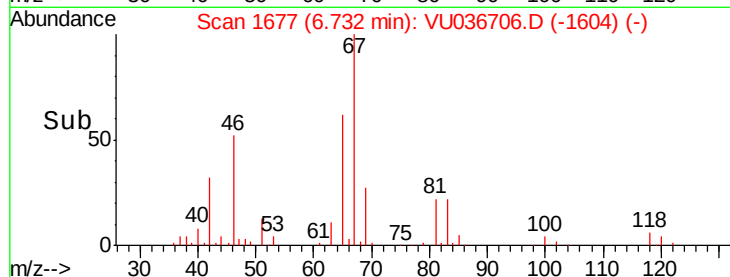
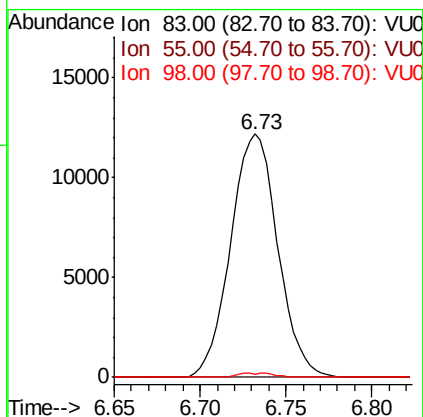
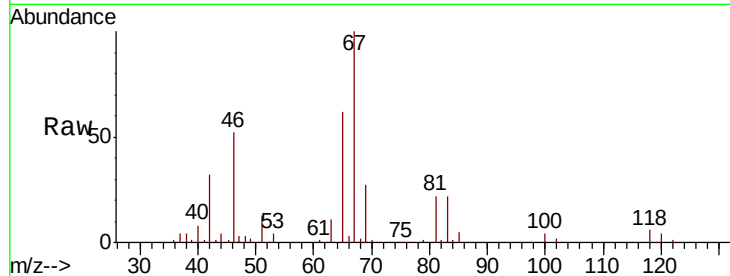




#35  
Methylvlcyclohexane  
Concen: 7.269 ug/L  
RT: 6.73 min Scan# 1677  
Delta R.T. -0.06 min  
Lab File: VU036706.D  
Acq: 10 Feb 2020 12:28

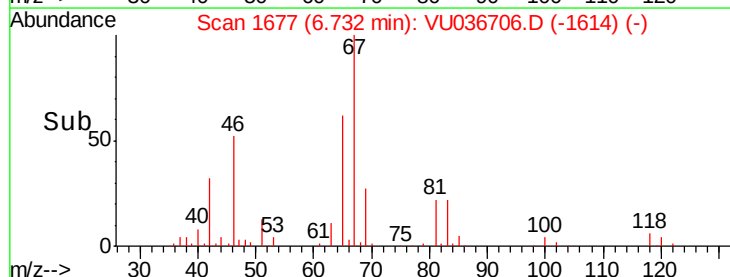
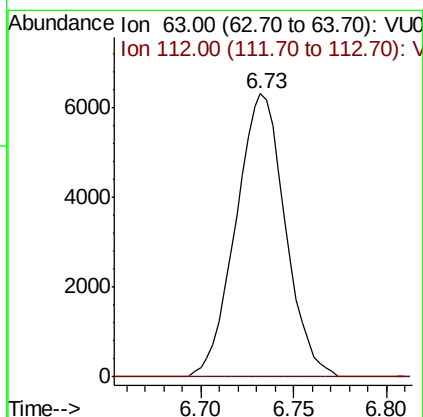
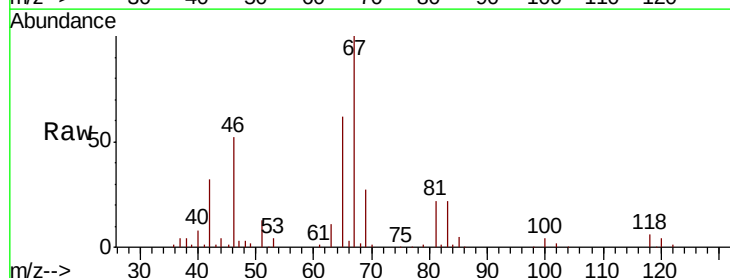
Instrument :  
MSVOA\_U  
ClientSampleId :

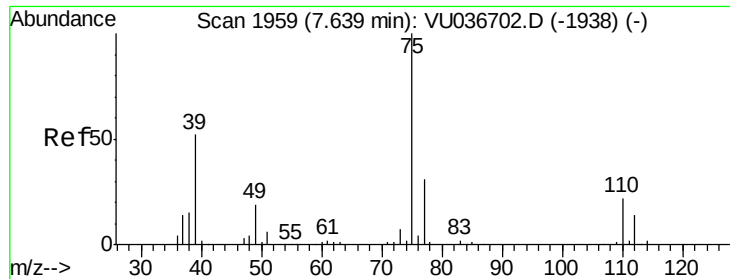
Tot Ion: 83 Resp: 23254  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.2 91.8#  
98 0.7 35.4 53.0#



#37  
1,2-Dichloropropane  
Concen: 5.887 ug/L  
RT: 6.73 min Scan# 1677  
Delta R.T. -0.10 min  
Lab File: VU036706.D  
Acq: 10 Feb 2020 12:28

Tgt Ion: 63 Resp: 11661  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#



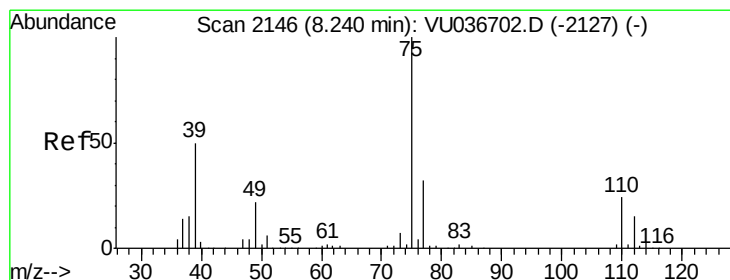
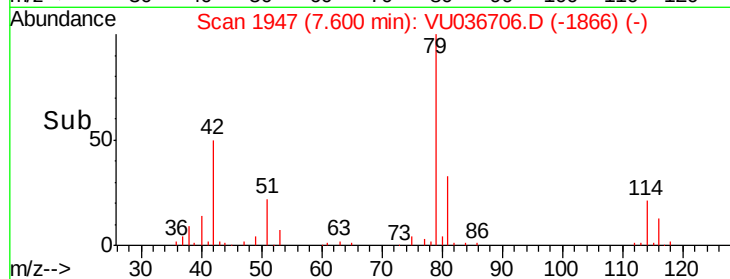
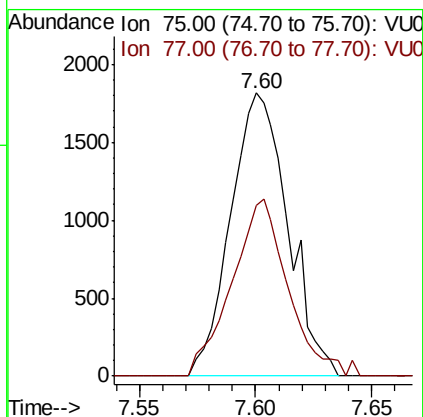
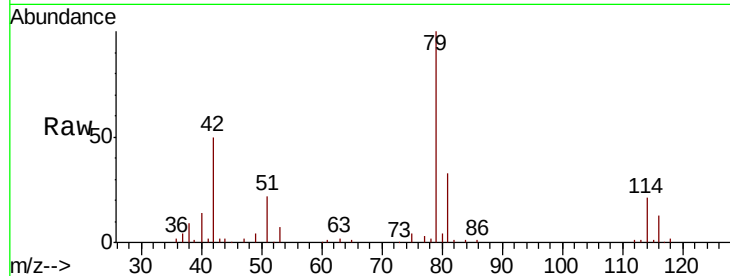


#39

cis-1,3-Dichloropropene  
Concen: 0.989 ug/L  
RT: 7.60 min Scan# 1947  
Delta R.T. -0.04 min  
Lab File: VU036706.D  
Acq: 10 Feb 2020 12:28

Instrument :  
MSVOA\_U  
ClientSampleId :

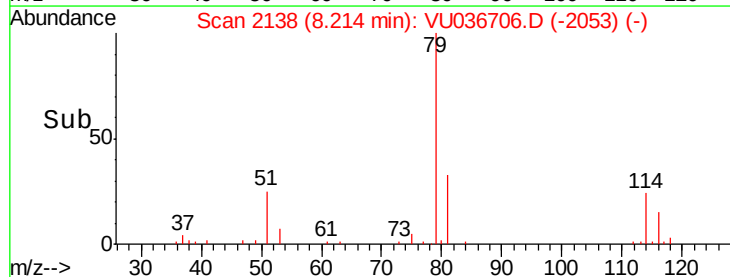
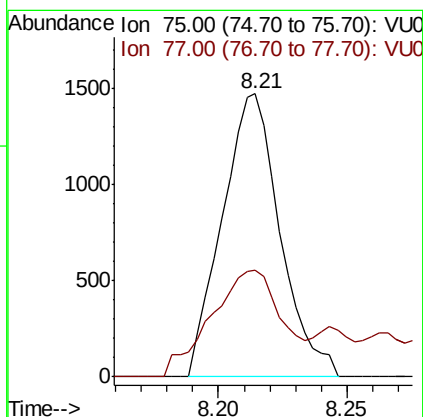
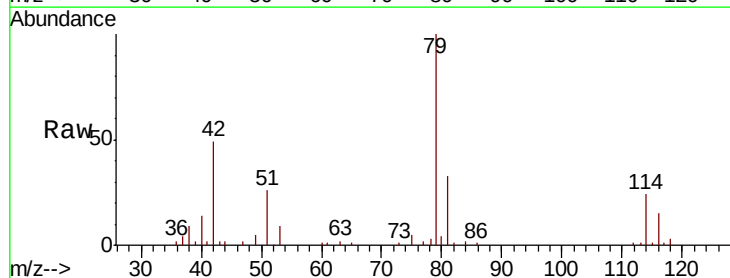
Tot Ion: 75 Resp: 3131  
Ion Ratio Lower Upper  
75 100  
77 60.5 22.3 41.5#

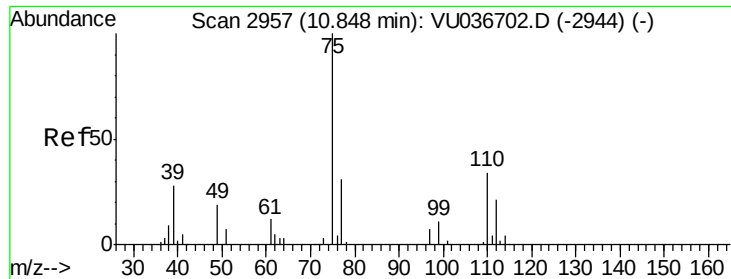


#44

trans-1,3-Dichloropropene  
Concen: 0.831 ug/L  
RT: 8.21 min Scan# 2138  
Delta R.T. -0.03 min  
Lab File: VU036706.D  
Acq: 10 Feb 2020 12:28

Tgt Ion: 75 Resp: 2299  
Ion Ratio Lower Upper  
75 100  
77 37.8 22.6 42.0

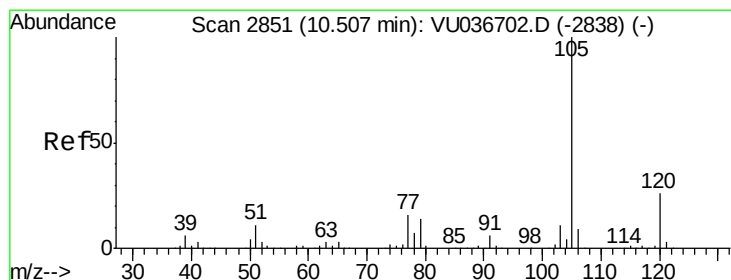
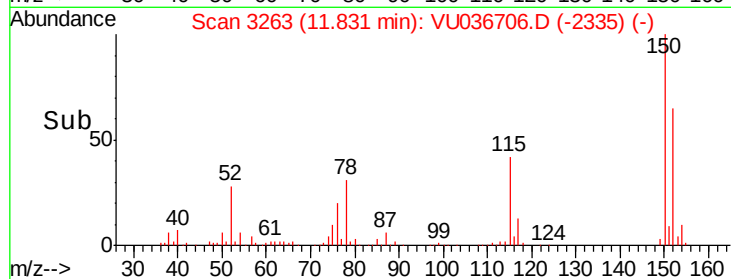
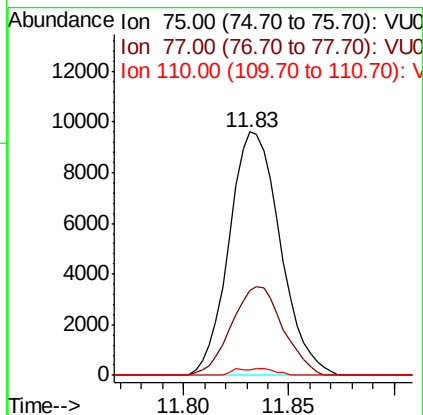
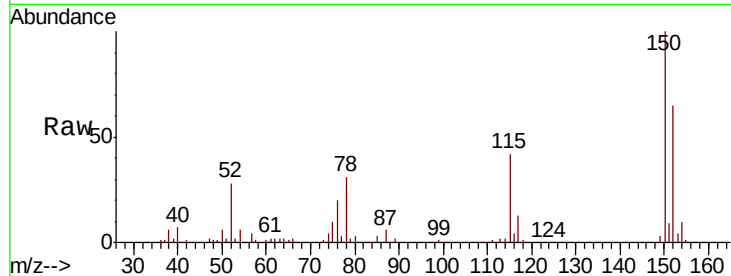




#60  
 1,2,3-Trichloropropane  
 Concen: 6.640 ug/L  
 RT: 11.83 min Scan# 3263  
 Delta R.T. 0.98 min  
 Lab File: VU036706.D  
 Acq: 10 Feb 2020 12:28

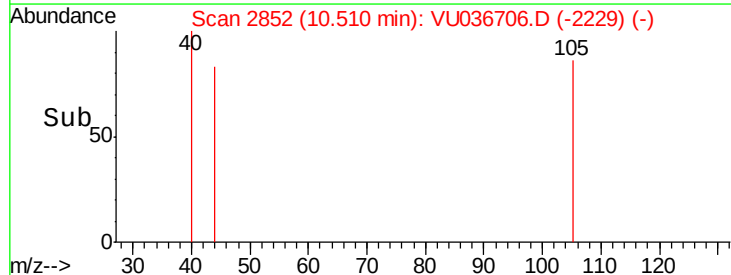
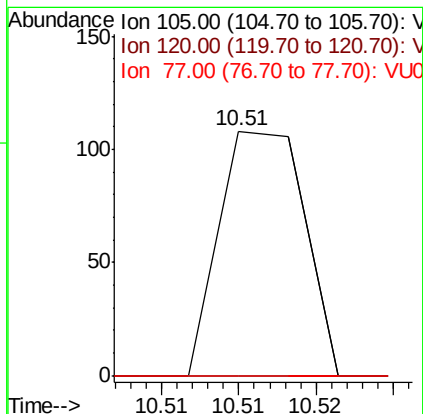
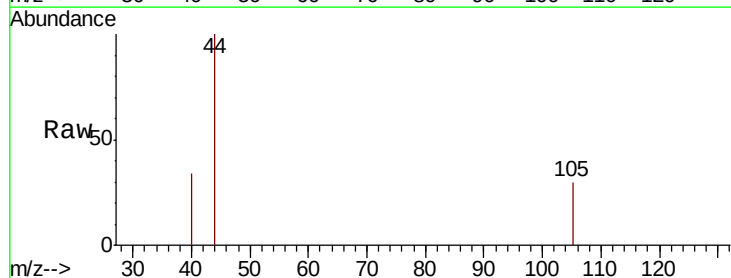
Instrument :  
 MSVOA\_U  
 ClientSampleId :

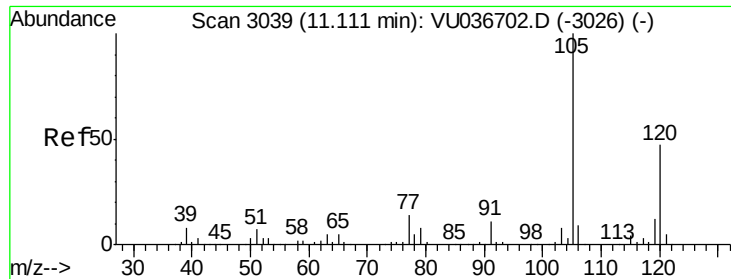
Tot Ion: 75 Resp: 16186  
 Ion Ratio Lower Upper  
 75 100  
 77 36.8 26.1 39.1  
 110 1.4 26.9 40.3#



#61  
 Isopropylbenzene  
 Concen: 0.005 ug/L  
 RT: 10.51 min Scan# 2852  
 Delta R.T. 0.00 min  
 Lab File: VU036706.D  
 Acq: 10 Feb 2020 12:28

Tgt Ion: 105 Resp: 41  
 Ion Ratio Lower Upper  
 105 100  
 120 0.0 20.2 30.4#  
 77 0.0 13.0 19.6#

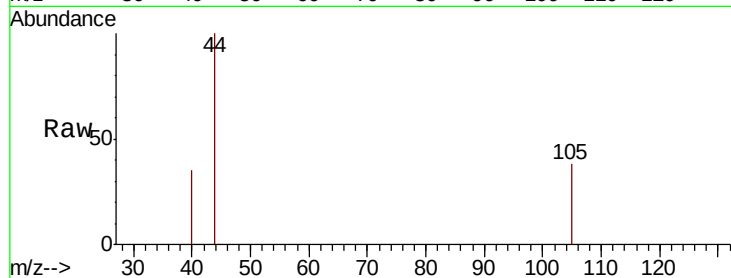




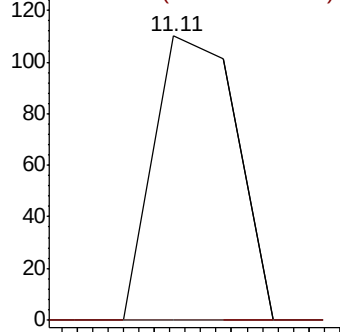
#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.006 ug/L  
 RT: 11.11 min Scan# 3039  
 Delta R.T. -0.00 min  
 Lab File: VU036706.D  
 Acq: 10 Feb 2020 12:28

Instrument :  
 MSVOA\_U  
 ClientSampleId :

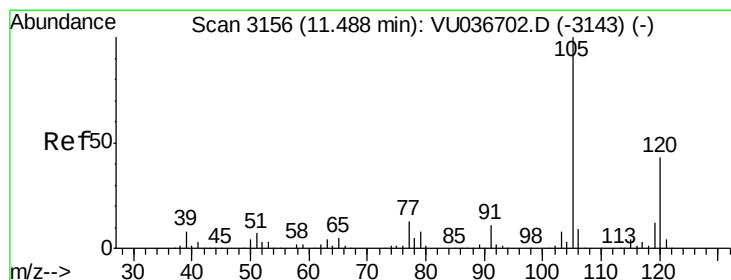
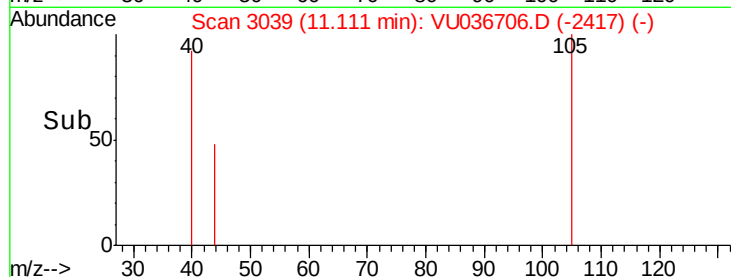
Tot Ion:105 Resp: 41  
 Ion Ratio Lower Upper  
 105 100  
 120 0.0 37.1 55.7#



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V

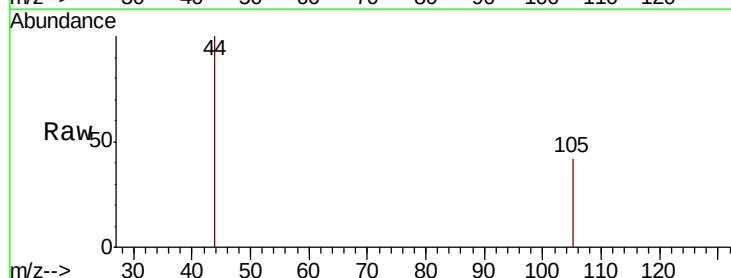


Time-->

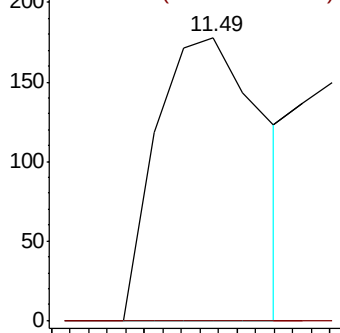


#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.021 ug/L  
 RT: 11.49 min Scan# 3156  
 Delta R.T. -0.00 min  
 Lab File: VU036706.D  
 Acq: 10 Feb 2020 12:28

Tgt Ion:105 Resp: 141  
 Ion Ratio Lower Upper  
 105 100  
 120 0.0 34.7 52.1#



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V



Time-->

