

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\  
 Data File : VU036707.D  
 Acq On : 10 Feb 2020 12:51  
 Operator : JC/MD  
 Sample : VU0210WBL07  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 11 03:34:11 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  | 258531   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 241722   | 50.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 101390   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 79825    | 46.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.60%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 76487    | 47.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.68%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 114738   | 35.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.50%  |
| 21) 2-Butanone-d5              | 4.68    | 46    | 163636   | 111.24   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 111.24% |
| 24) Chloroform-d               | 5.11    | 84    | 151975   | 48.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 108286   | 50.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.48% |
| 32) Benzene-d6                 | 5.77    | 84    | 321192   | 50.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.08% |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 108382   | 51.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.74% |
| 41) Toluene-d8                 | 7.93    | 98    | 288840   | 49.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.26%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 49528    | 49.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 98.06%  |
| 47) 2-Hexanone-d5              | 8.67    | 63    | 127046   | 105.52   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.52% |
| 56) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 158663   | 51.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.08% |
| 66) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 96261    | 52.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.52% |

## Target Compounds

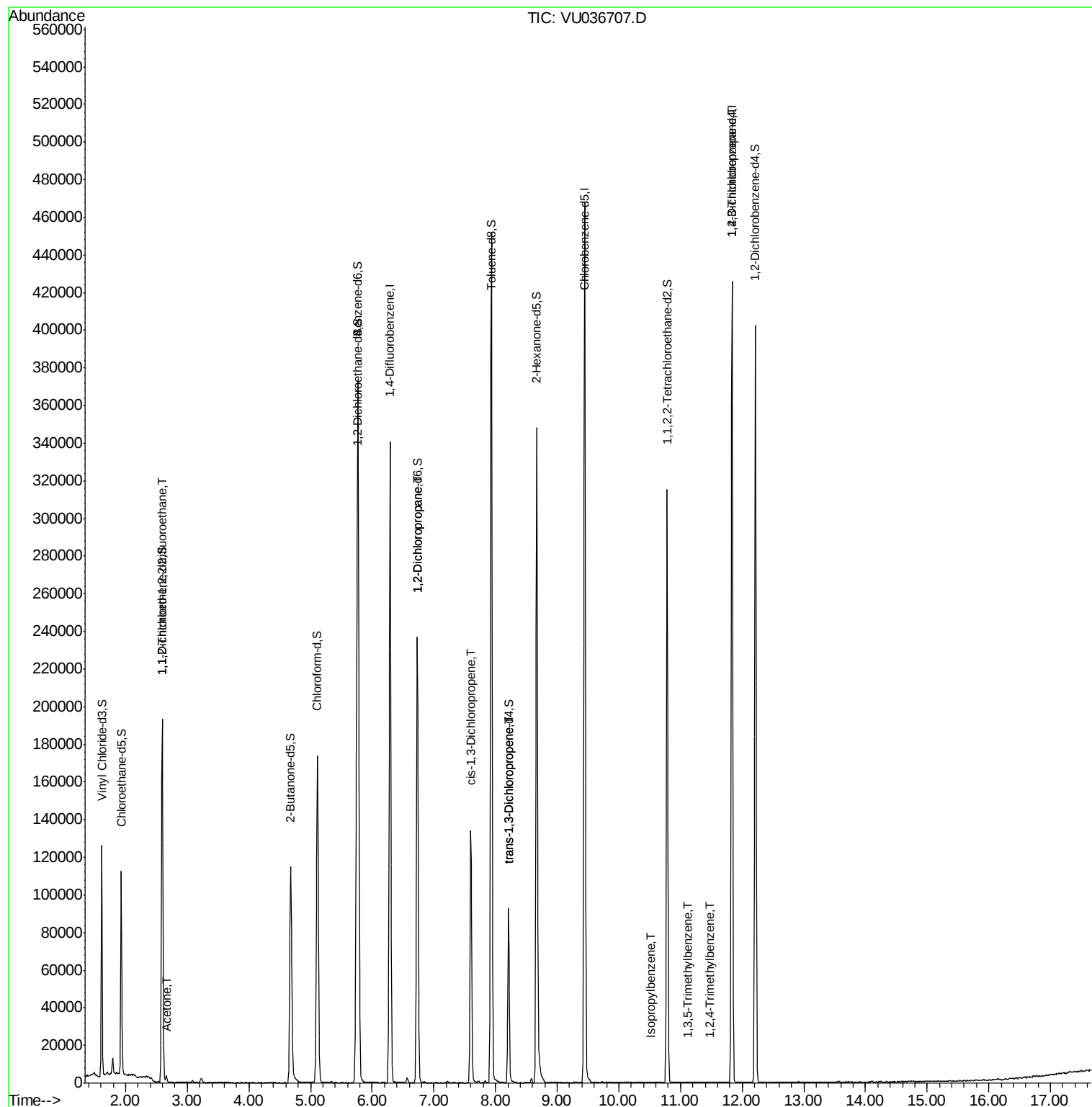
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59  | 101 | 1094  | 0.674 ug/L # | 23     |
| 13) Acetone                    | 2.66  | 43  | 4125  | 2.640 ug/L   | 97     |
| 37) 1,2-Dichloropropane        | 6.73  | 63  | 11307 | 5.735 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene    | 7.60  | 75  | 3219  | 1.022 ug/L # | 67     |
| 44) trans-1,3-Dichloropropene  | 8.21  | 75  | 2312  | 0.840 ug/L # | 76     |
| 60) 1,2,3-Trichloropropane     | 11.84 | 75  | 15273 | 6.404 ug/L # | 68     |
| 61) Isopropylbenzene           | 10.50 | 105 | 76    | 0.010 ug/L # | 55     |
| 62) 1,3,5-Trimethylbenzene     | 11.11 | 105 | 95    | 0.015 ug/L # | 30     |
| 63) 1,2,4-Trimethylbenzene     | 11.48 | 105 | 98    | 0.015 ug/L # | 32     |

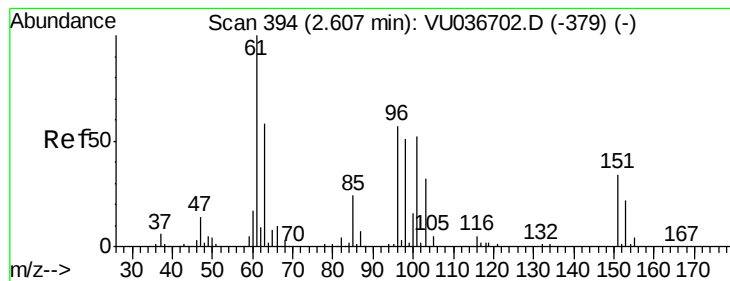
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU021020\  
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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: 0.674 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU036707.D

Acq: 10 Feb 2020 12:51

Instrument :

MSVOA\_U

ClientSampleId :

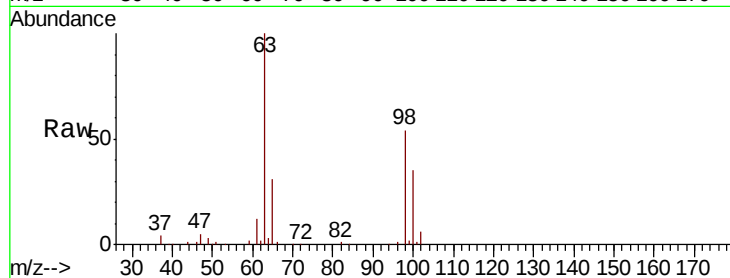
Tot Ion:101 Resp: 1094

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

2.59

600

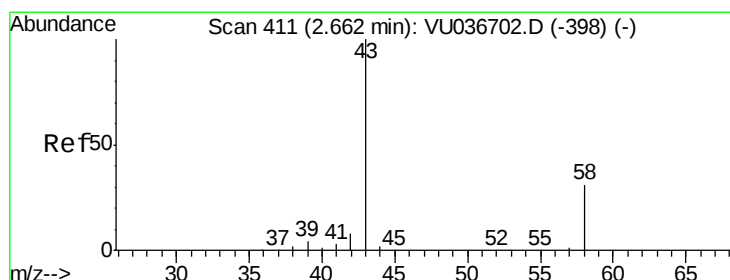
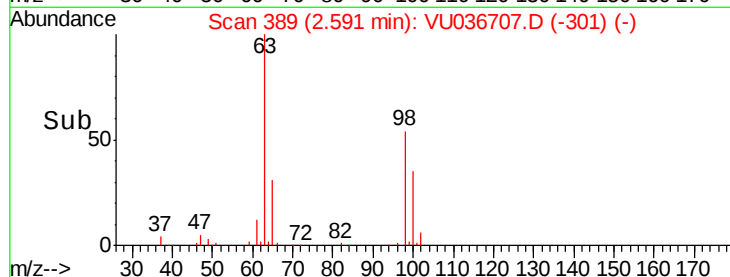
400

200

0

2.56 2.58 2.60 2.62

Time-->



#13

Acetone

Concen: 2.640 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036707.D

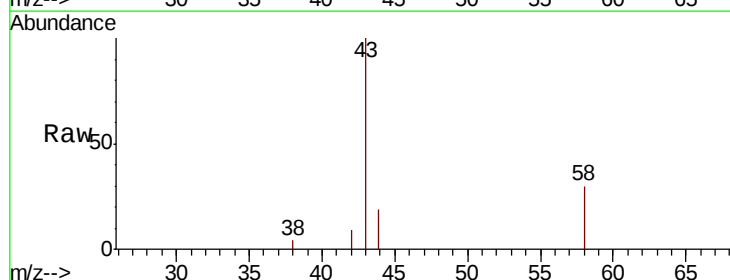
Acq: 10 Feb 2020 12:51

Tgt Ion: 43 Resp: 4125

Ion Ratio Lower Upper

43 100

58 30.1 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.66

2500

2000

1500

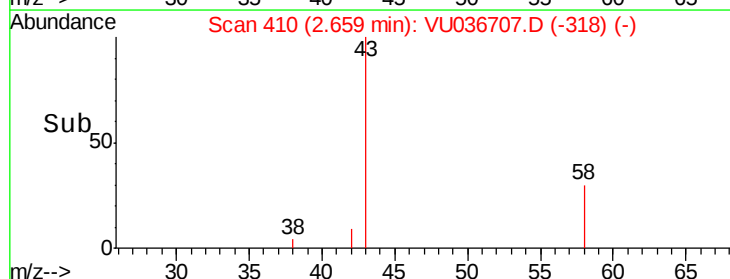
1000

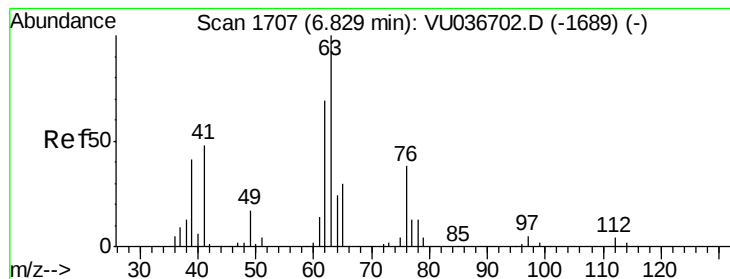
500

0

2.60 2.65 2.70

Time-->





#37

1,2-Dichloropropane

Concen: 5.735 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036707.D

Acq: 10 Feb 2020 12:51

Instrument :

MSVOA\_U

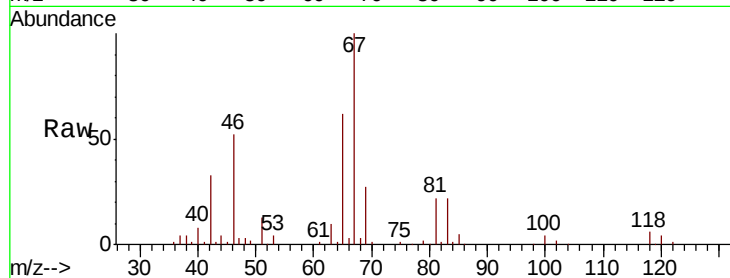
ClientSampleId :

Tot Ion: 63 Resp: 11307

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU036707.D (-1677) (-)

Ion 112.00 (111.70 to 112.70): VU036707.D (-1677) (-)

6.73

6000

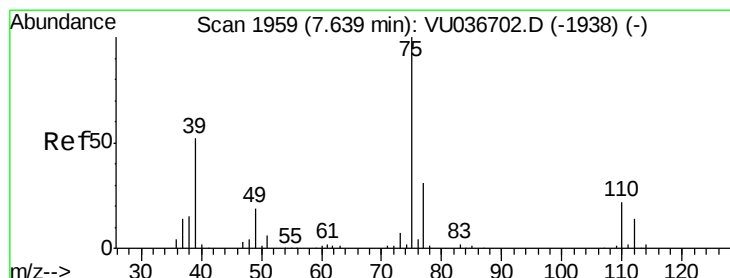
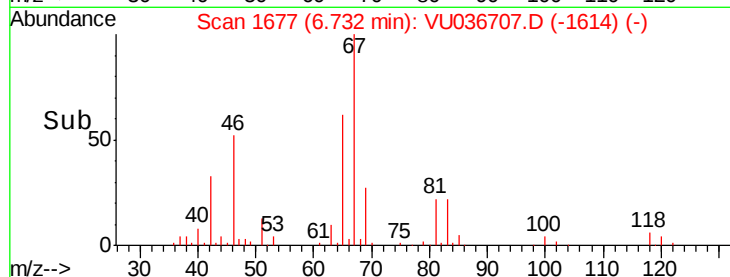
4000

2000

0

6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.022 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036707.D

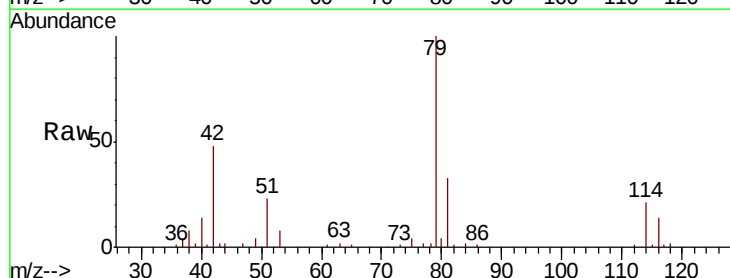
Acq: 10 Feb 2020 12:51

Tgt Ion: 75 Resp: 3219

Ion Ratio Lower Upper

75 100

77 50.1 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU036707.D (-1866) (-)

Ion 77.00 (76.70 to 77.70): VU036707.D (-1866) (-)

7.60

2000

1500

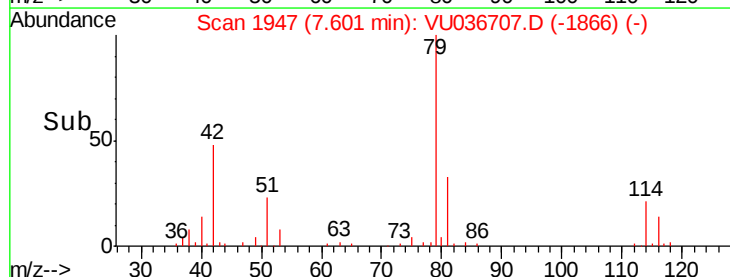
1000

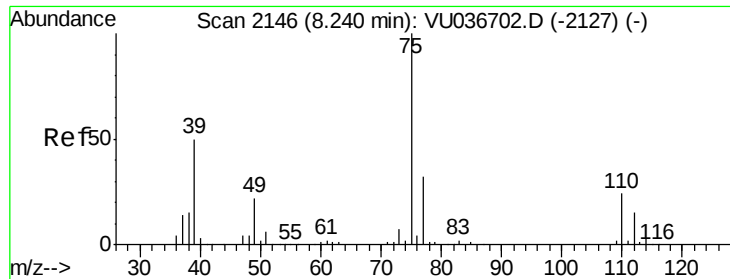
500

0

7.55 7.60 7.65

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.840 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.03 min

Lab File: VU036707.D

Acq: 10 Feb 2020 12:51

Instrument :

MSVOA\_U

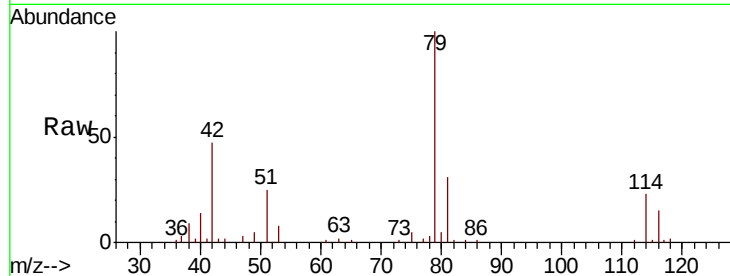
ClientSampled :

Tot Ion: 75 Resp: 2312

Ion Ratio Lower Upper

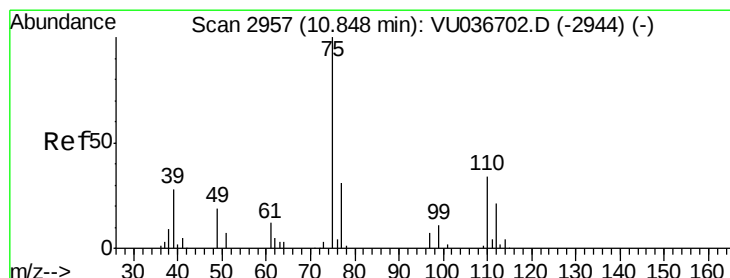
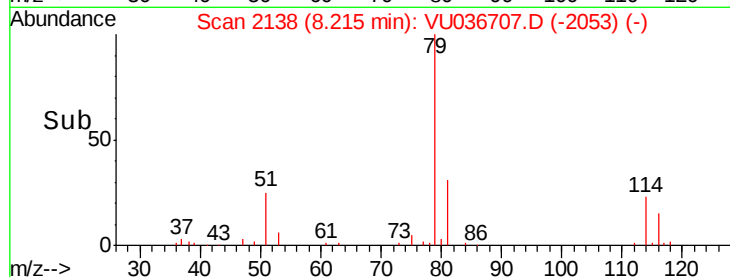
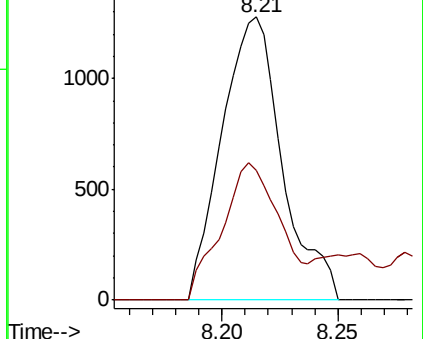
75 100

77 45.8 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#60

1,2,3-Trichloropropane

Concen: 6.404 ug/L

RT: 11.84 min Scan# 3264

Delta R.T. 0.99 min

Lab File: VU036707.D

Acq: 10 Feb 2020 12:51

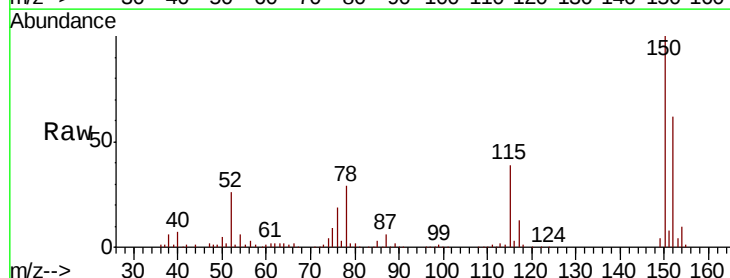
Tgt Ion: 75 Resp: 15273

Ion Ratio Lower Upper

75 100

77 37.2 26.1 39.1

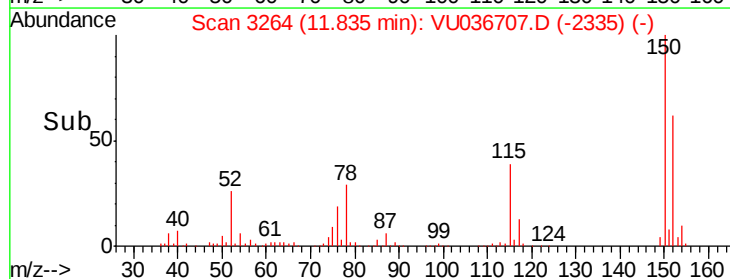
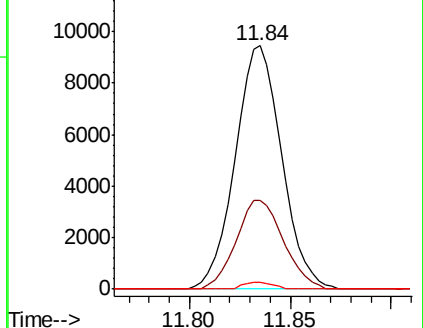
110 1.7 26.9 40.3#

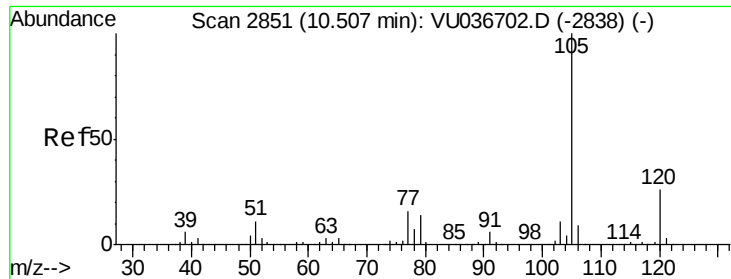


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V





#61

Isopropylbenzene

Concen: 0.010 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036707.D

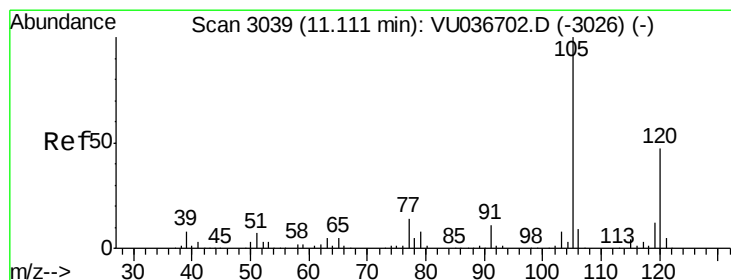
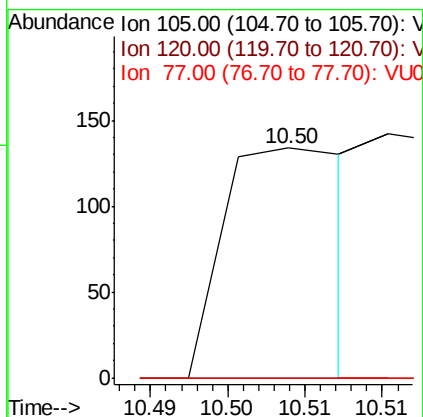
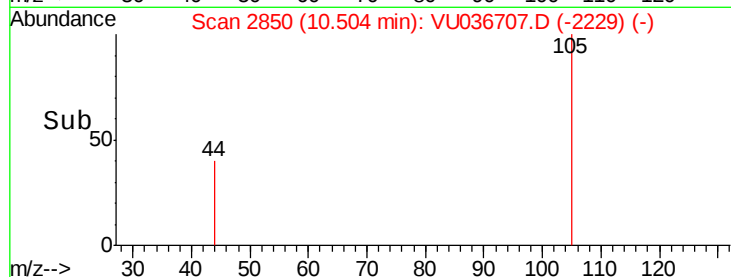
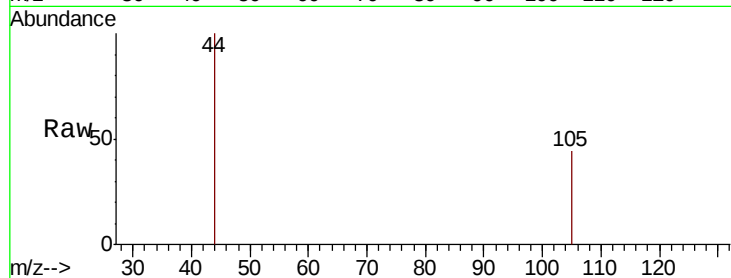
Acq: 10 Feb 2020 12:51

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 105   | Resp: | 76    |
| 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: 0.015 ug/L

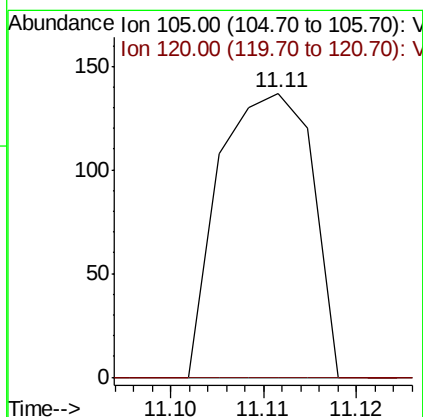
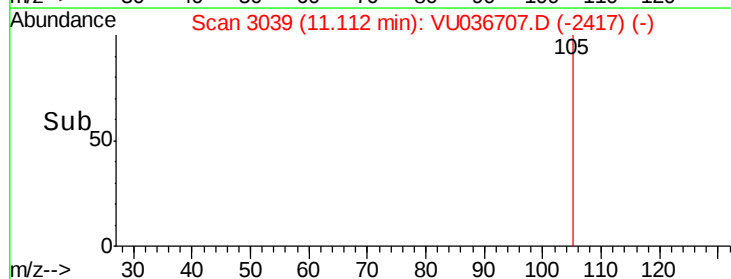
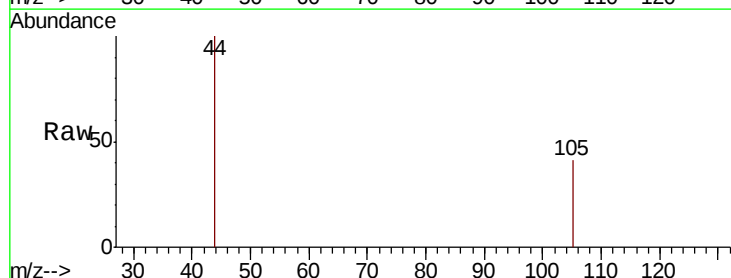
RT: 11.11 min Scan# 3039

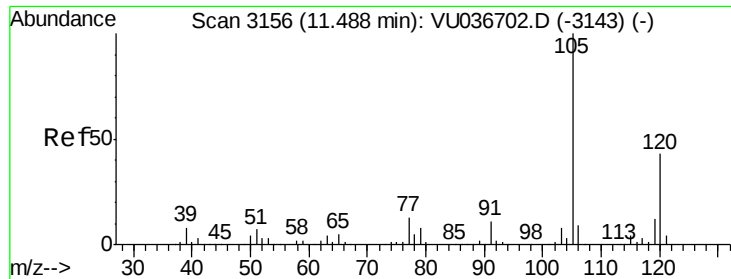
Delta R.T. 0.00 min

Lab File: VU036707.D

Acq: 10 Feb 2020 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 95    |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 0.0   | 37.1  | 55.7# |





#63

1,2,4-Trimethylbenzene

Concen: 0.015 ug/L

RT: 11.48 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VU036707.D

Acq: 10 Feb 2020 12:51

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion:105 Resp: 98

Ion Ratio Lower Upper

105 100

120 0.0 34.7 52.1#

