

Data File : VU036686.D  
Acq On : 06 Feb 2020 15:15  
Operator : JC/MD  
Sample : VU0206WBL02  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK102

Quant Time: Feb 07 04:54:51 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMULM020620W.M  
Quant Title : VOC Analysis  
QLast Update : Fri Feb 07 04:51:54 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 248540   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 233865   | 50.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 99443    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 81028    | 48.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.76%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 76946    | 50.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.14% |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 115609   | 36.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.88%  |
| 21) 2-Butanone-d5              | 4.68    | 46    | 161932   | 114.51   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 114.51% |
| 24) Chloroform-d               | 5.11    | 84    | 151691   | 50.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.14% |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 108957   | 53.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.20% |
| 32) Benzene-d6                 | 5.77    | 84    | 323516   | 52.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.24% |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 109640   | 53.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 107.44% |
| 41) Toluene-d8                 | 7.93    | 98    | 292845   | 52.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.02% |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 50681    | 51.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 103.72% |
| 47) 2-Hexanone-d5              | 8.67    | 63    | 126929   | 108.96   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.96% |
| 56) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 157162   | 52.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 104.50% |
| 66) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 96886    | 53.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.26% |

#### Target Compounds

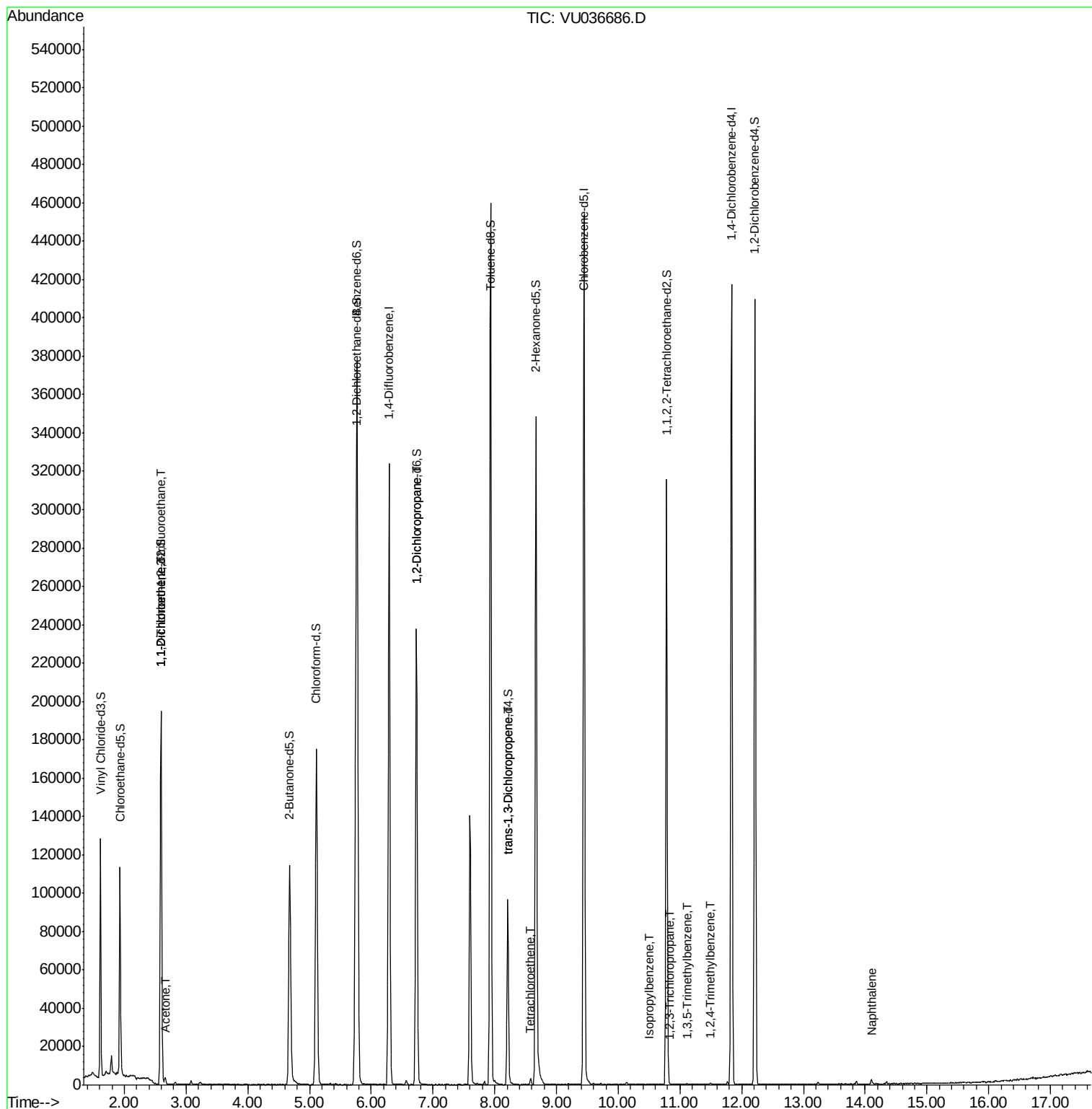
|                                |       |     |       |       |        | Qvalue |
|--------------------------------|-------|-----|-------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59  | 101 | 1078  | 0.691 | ug/L # | 23     |
| 12) 1,1-Dichloroethene         | 2.60  | 96  | 935   | 0.616 | ug/L # | 1      |
| 13) Acetone                    | 2.66  | 43  | 4223  | 2.811 | ug/L   | 93     |
| 37) 1,2-Dichloropropane        | 6.73  | 63  | 12065 | 6.325 | ug/L # | 88     |
| 44) trans-1,3-Dichloropropene  | 8.21  | 75  | 2504  | 0.940 | ug/L # | 76     |
| 46) Tetrachloroethene          | 8.58  | 164 | 824   | 0.671 | ug/L   | 76     |
| 60) 1,2,3-Trichloropropane     | 10.84 | 75  | 65    | 0.028 | ug/L # | 42     |
| 61) Isopropylbenzene           | 10.51 | 105 | 361   | 0.049 | ug/L # | 55     |
| 62) 1,3,5-Trimethylbenzene     | 11.11 | 105 | 430   | 0.068 | ug/L # | 54     |
| 63) 1,2,4-Trimethylbenzene     | 11.49 | 105 | 658   | 0.104 | ug/L   | 88     |
| 71) Naphthalene                | 14.10 | 128 | 2045  | 0.322 | ug/L # | 87     |

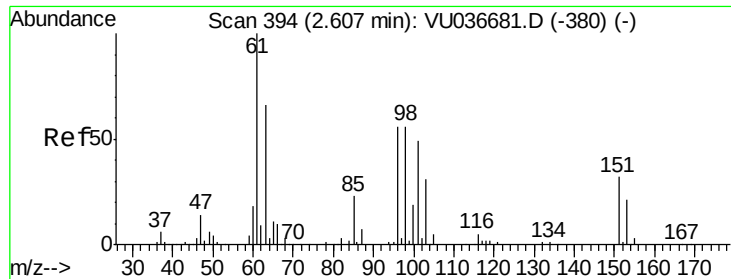
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 07 04:54:51 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMULM020620W.M  
Quant Title : VOC Analysis  
QLast Update : Fri Feb 07 04:51:54 2020  
Response via : Initial Calibration





#10

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

Concen: 0.691 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU036686.D

Acq: 06 Feb 2020 15:15

Instrument :

MSVOA\_U

ClientSampled :

VBLK102

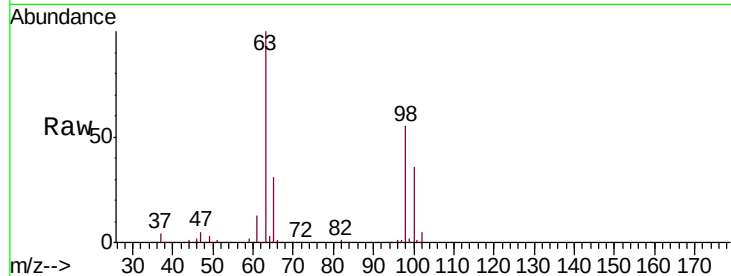
Tgt Ion: 101 Resp: 1078

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

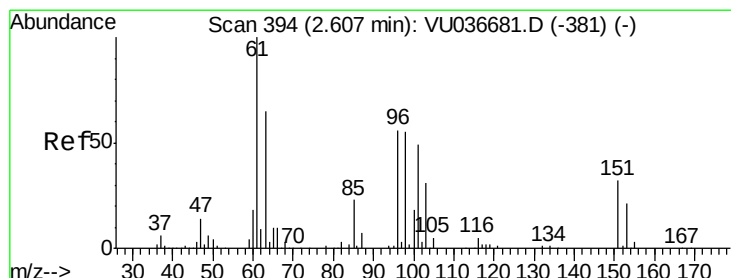
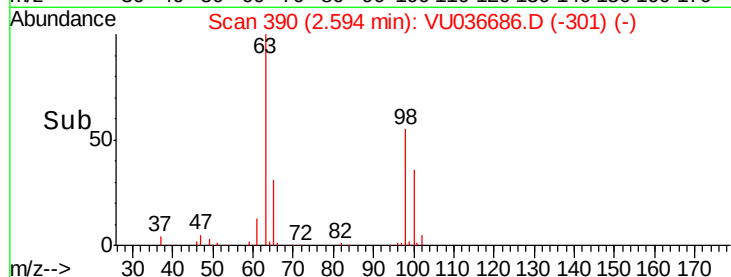
400

200

0

2.56 2.58 2.60 2.62

Time-->



#12

1,1-Dichloroethene

Concen: 0.616 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036686.D

Acq: 06 Feb 2020 15:15

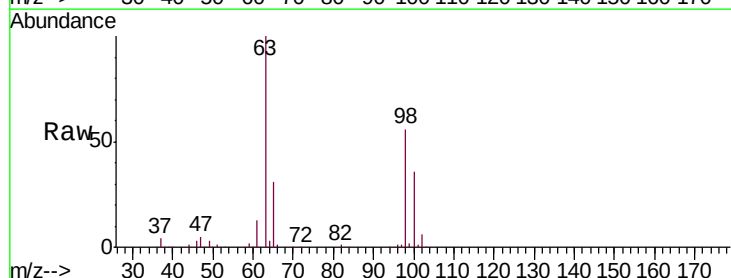
Tgt Ion: 96 Resp: 935

Ion Ratio Lower Upper

96 100

61 1438.3 124.4 231.0#

63 11503.5 83.4 155.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

100000

80000

60000

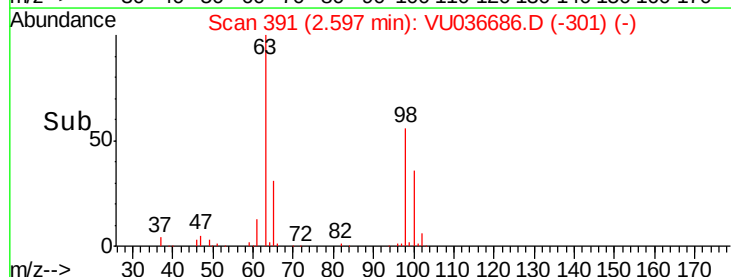
40000

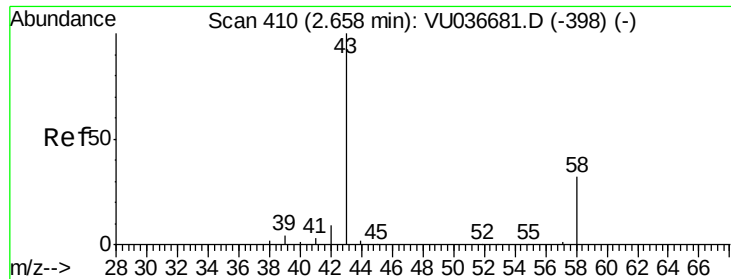
20000

0

2.56 2.58 2.60 2.62 2.64

Time-->





#13

Acetone

Concen: 2.811 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036686.D

Acq: 06 Feb 2020 15:15

Instrument :

MSVOA\_U

ClientSampleId :

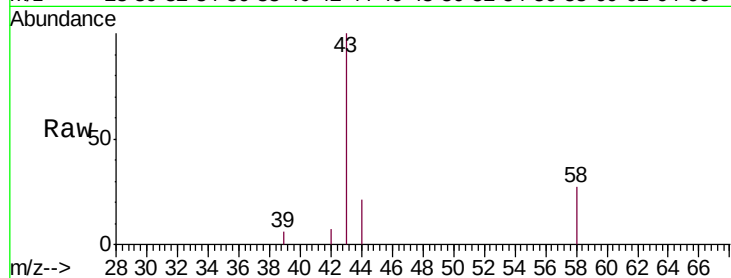
VBLK102

Tgt Ion: 43 Resp: 4223

Ion Ratio Lower Upper

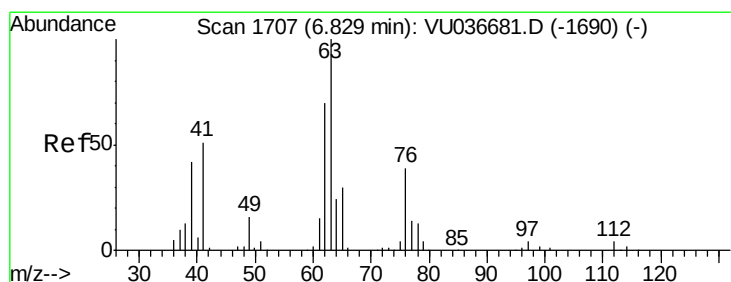
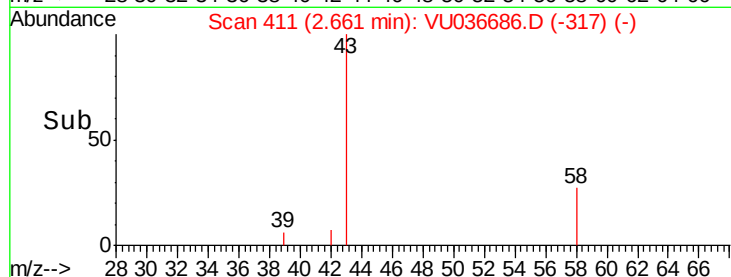
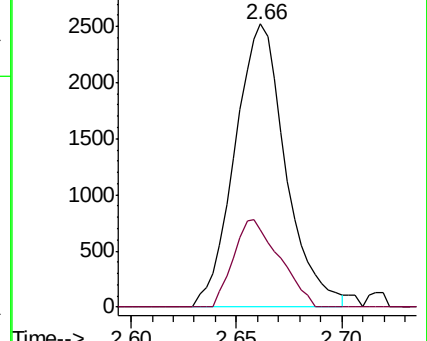
43 100

58 27.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036681.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036681.D (-398) (-)



#37

1,2-Dichloropropane

Concen: 6.325 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036686.D

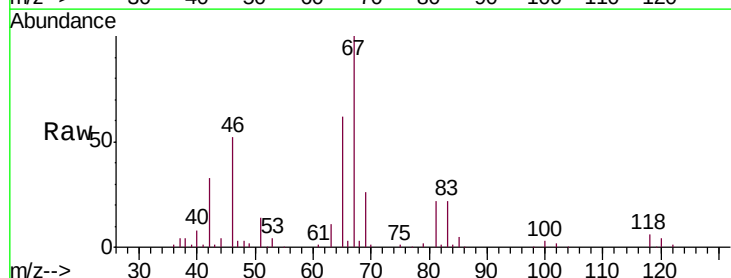
Acq: 06 Feb 2020 15:15

Tgt Ion: 63 Resp: 12065

Ion Ratio Lower Upper

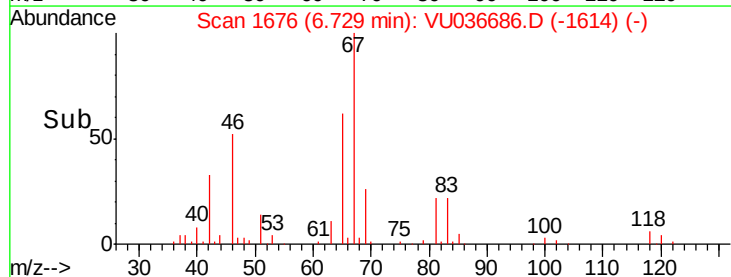
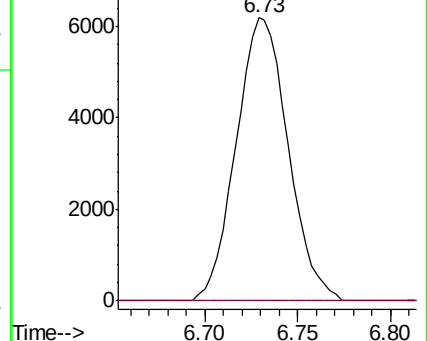
63 100

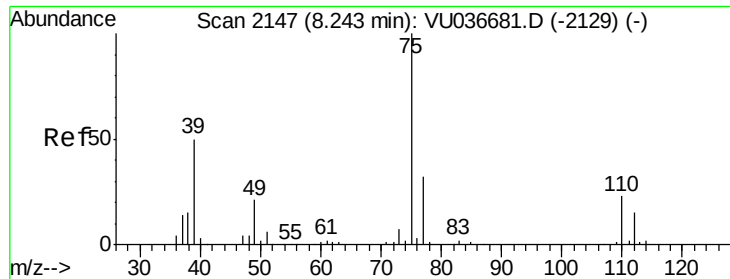
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU036681.D (-1690) (-)

Ion 112.00 (111.70 to 112.70): VU036681.D (-1690) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.940 ug/L

RT: 8.21 min Scan# 2137

Delta R.T. -0.03 min

Lab File: VU036686.D

Acq: 06 Feb 2020 15:15

Instrument :

MSVOA\_U

ClientSampleId :

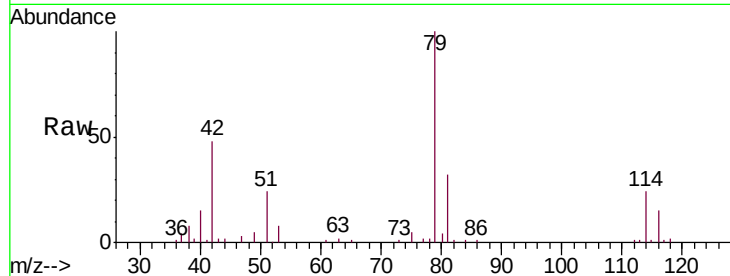
VBLK102

Tgt Ion: 75 Resp: 2504

Ion Ratio Lower Upper

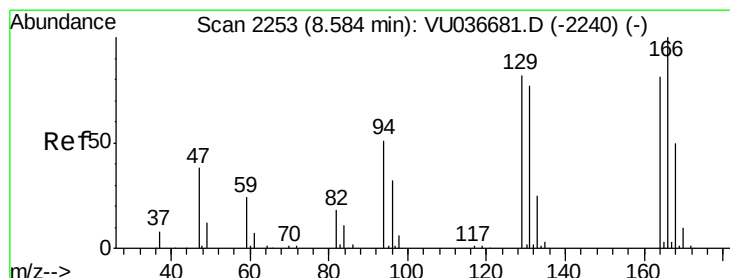
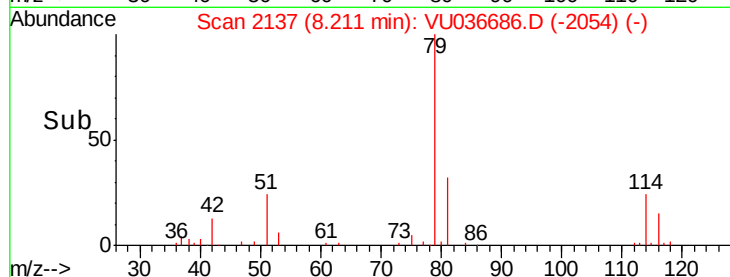
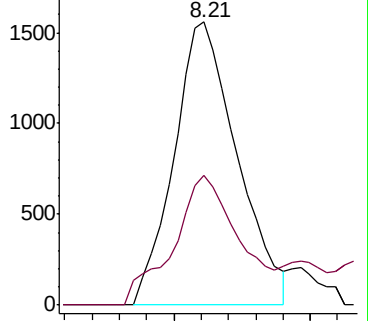
75 100

77 45.8 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VU036686.D (-2137) (-)

Ion 77.00 (76.70 to 77.70): VU036686.D (-2137) (-)



#46

Tetrachloroethene

Concen: 0.671 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036686.D

Acq: 06 Feb 2020 15:15

Tgt Ion: 164 Resp: 824

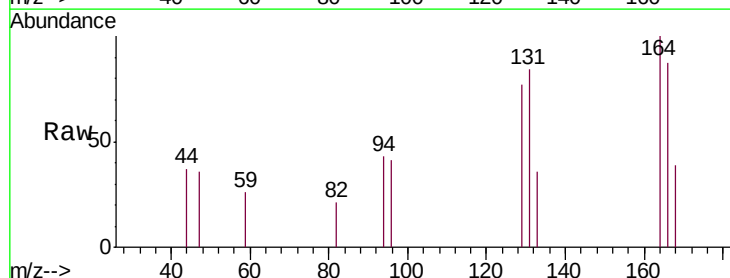
Ion Ratio Lower Upper

164 100

129 76.5 71.0 131.9

131 83.8 66.6 123.6

166 86.9 86.4 160.4

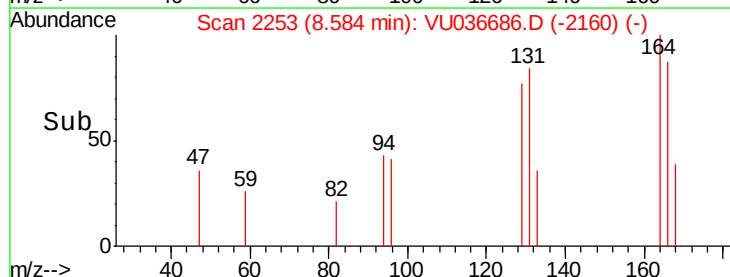
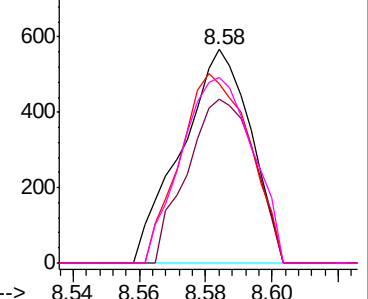


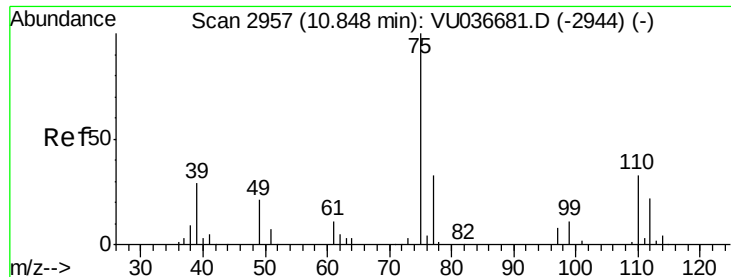
Abundance Ion 164.00 (163.70 to 164.70): VU036686.D (-2253) (-)

Ion 129.00 (128.70 to 129.70): VU036686.D (-2253) (-)

Ion 131.00 (130.70 to 131.70): VU036686.D (-2253) (-)

Ion 166.00 (165.70 to 166.70): VU036686.D (-2253) (-)

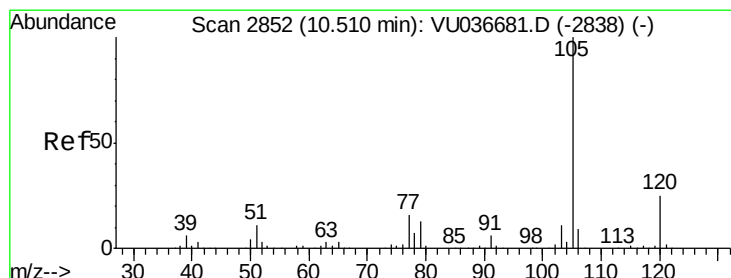
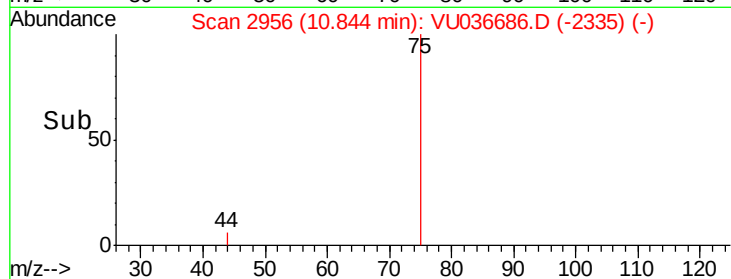
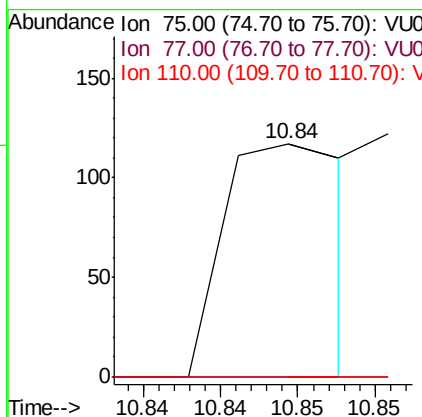
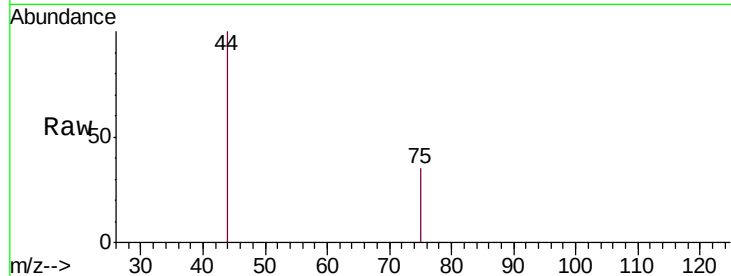




#60  
 1,2,3-Trichloropropane  
 Concen: 0.028 ug/L  
 RT: 10.84 min Scan# 2956  
 Delta R.T. -0.00 min  
 Lab File: VU036686.D  
 Acq: 06 Feb 2020 15:15

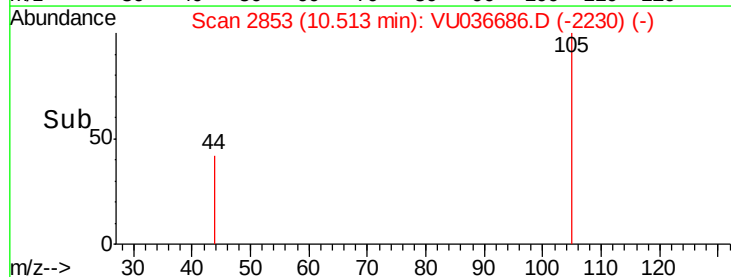
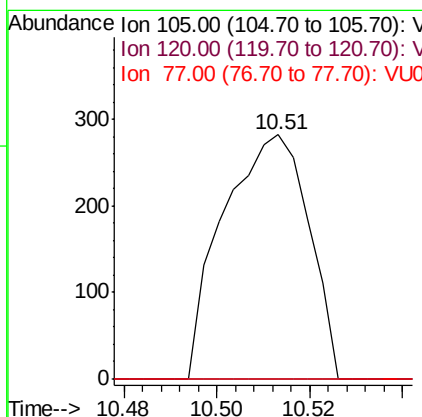
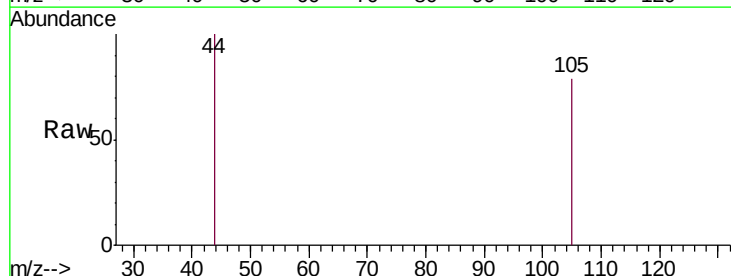
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 MSVOA\_U  
 ClientSampleId :  
 VBLK102

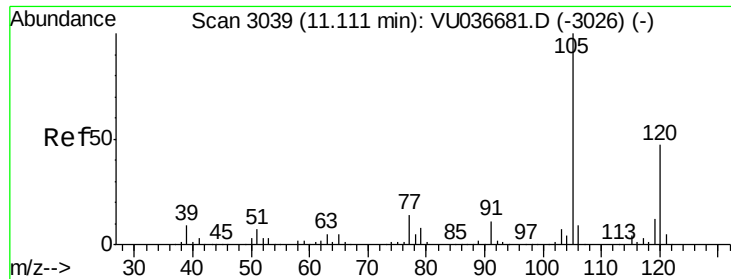
Tgt Ion: 75 Resp: 65  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 26.1 39.1#  
 110 0.0 26.9 40.3#



#61  
 Isopropylbenzene  
 Concen: 0.049 ug/L  
 RT: 10.51 min Scan# 2853  
 Delta R.T. 0.00 min  
 Lab File: VU036686.D  
 Acq: 06 Feb 2020 15:15

Tgt Ion: 105 Resp: 361  
 Ion Ratio Lower Upper  
 105 100  
 120 0.0 20.2 30.4#  
 77 0.0 13.0 19.6#

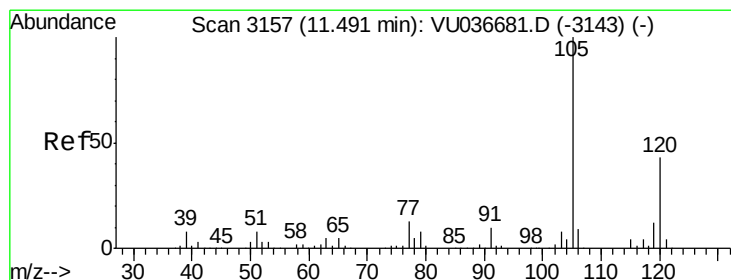
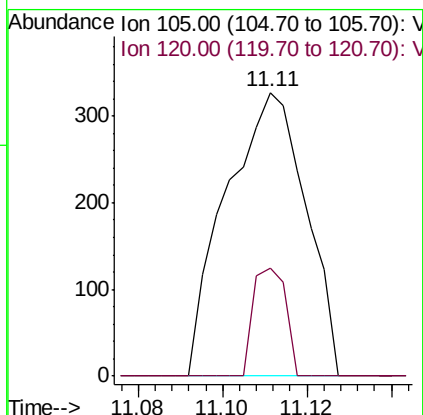
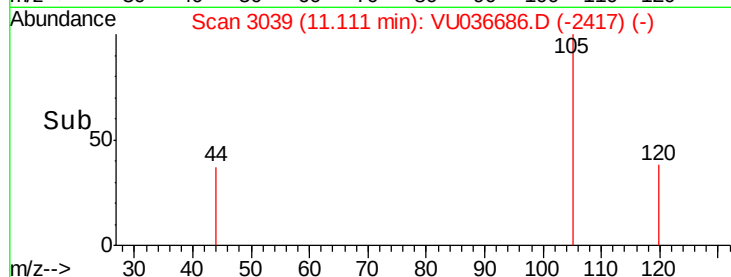
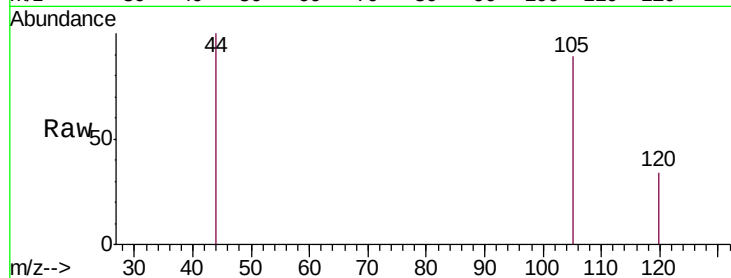




#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.068 ug/L  
 RT: 11.11 min Scan# 3039  
 Delta R.T. -0.00 min  
 Lab File: VU036686.D  
 Acq: 06 Feb 2020 15:15

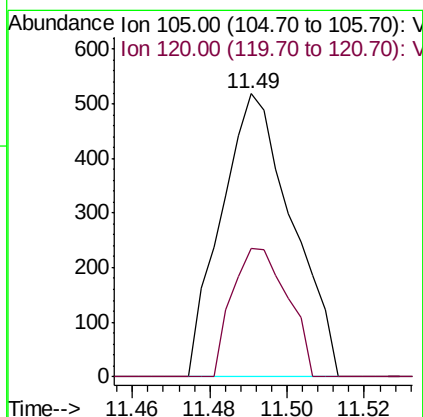
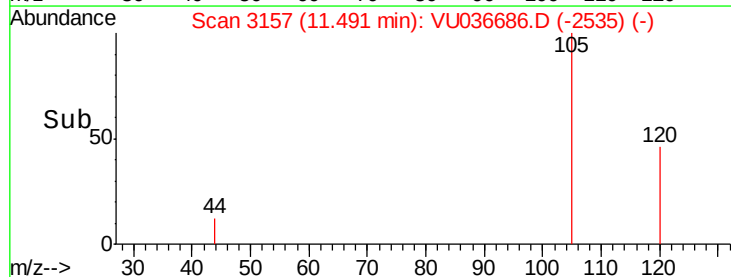
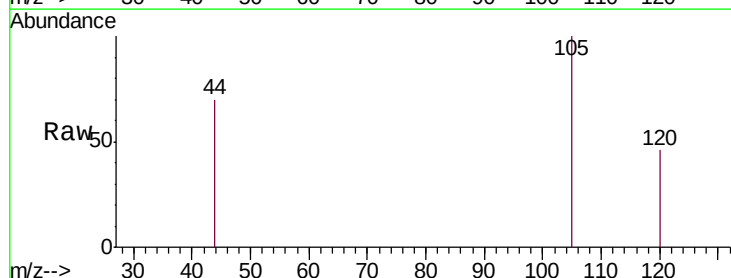
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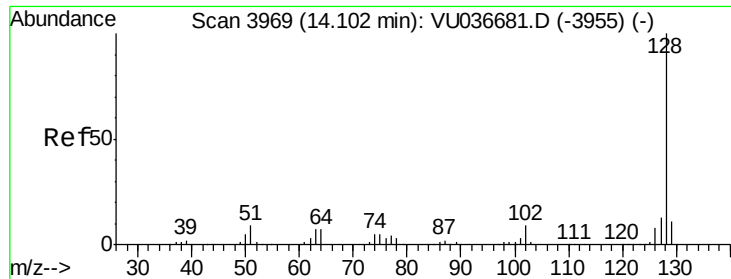
Tgt Ion:105 Resp: 430  
 Ion Ratio Lower Upper  
 105 100  
 120 15.6 37.1 55.7#



#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.104 ug/L  
 RT: 11.49 min Scan# 3157  
 Delta R.T. -0.00 min  
 Lab File: VU036686.D  
 Acq: 06 Feb 2020 15:15

Tgt Ion:105 Resp: 658  
 Ion Ratio Lower Upper  
 105 100  
 120 35.6 34.7 52.1





#71

Naphthalene

Concen: 0.322 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. -0.00 min

Lab File: VU036686.D

Acq: 06 Feb 2020 15:15

Instrument :

MSVOA\_U

ClientSampleId :

VBLK102

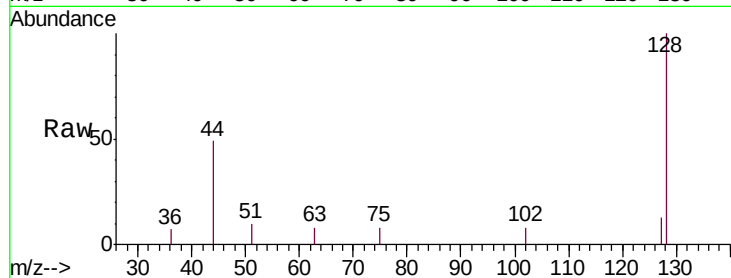
Tgt Ion:128 Resp: 2045

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

