

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\  
 Data File : VU036640.D  
 Acq On : 31 Jan 2020 00:36  
 Operator : JC/MD  
 Sample : L1324-09  
 Misc : 5.10µ/5.0mL/100µL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAT66

Quant Time: Jan 31 06:36:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM012920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 31 04:01:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 292815   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 286115   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 156961   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 69002    | 31.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 62.92%  |
| 7) Chloroethane-d5             | 1.89    | 69    | 16589    | 8.82     | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 17.64%# |
| 11) 1,1-Dichloroethene-d2      | 2.54    | 63    | 96111    | 27.10    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 54.20%# |
| 21) 2-Butanone-d5              | 4.70    | 46    | 70809    | 54.39    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 54.39%  |
| 24) Chloroform-d               | 5.11    | 84    | 141565   | 39.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 78.84%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 92559    | 41.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.70%  |
| 32) Benzene-d6                 | 5.76    | 84    | 326964   | 40.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.26%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 105308   | 41.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 83.98%  |
| 41) Toluene-d8                 | 7.93    | 98    | 319688   | 41.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.58%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 49431    | 41.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.88%  |
| 47) 2-Hexanone-d5              | 8.69    | 63    | 122587   | 105.40   | ug/L | 0.03    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.40% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79   | 84    | 163646   | 44.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.76%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 139297   | 41.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.72%  |

## Target Compounds

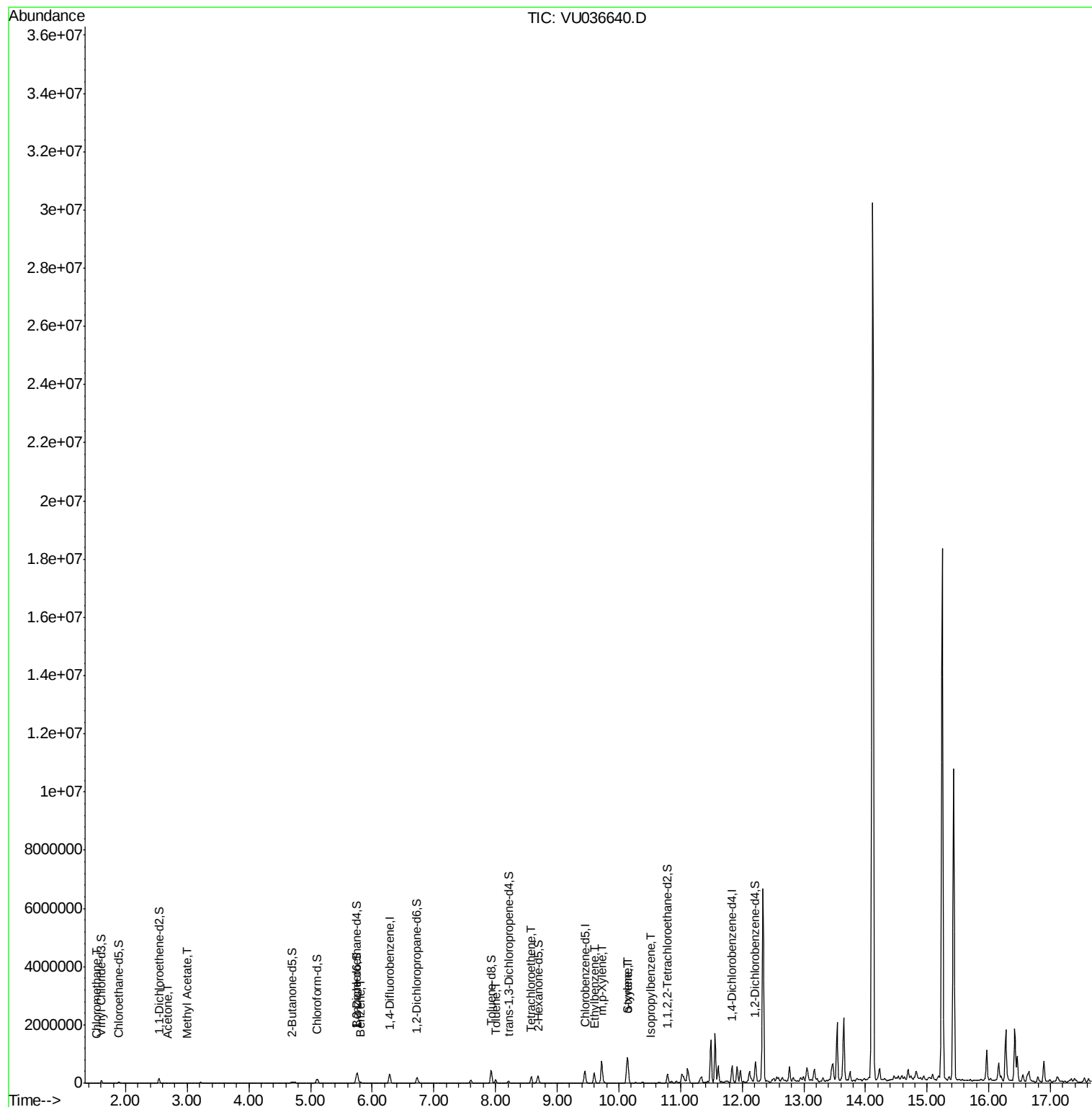
| Target Compounds      | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|-----------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane      | 1.53  | 50   | 2046     | 0.862  | ug/L   | 96     |
| 13) Acetone           | 2.69  | 43   | 2404     | 1.908  | ug/L   | 84     |
| 15) Methyl Acetate    | 3.00  | 43   | 1776     | 0.901  | ug/L # | 81     |
| 33) Benzene           | 5.80  | 78   | 46231    | 5.404  | ug/L   | 100    |
| 42) Toluene           | 8.00  | 91   | 91766    | 9.869  | ug/L   | 97     |
| 46) Tetrachloroethene | 8.58  | 164  | 53575    | 29.952 | ug/L   | 98     |
| 52) Ethylbenzene      | 9.60  | 91   | 275814   | 27.079 | ug/L   | 99     |
| 53) m,p-Xylene        | 9.72  | 106  | 258402   | 65.045 | ug/L   | 99     |
| 54) o-xylene          | 10.13 | 106  | 150758   | 38.045 | ug/L   | 99     |
| 55) Styrene           | 10.15 | 104  | 358011   | 55.673 | ug/L   | 100    |
| 56) Isopropylbenzene  | 10.51 | 105  | 9566     | 0.949  | ug/L   | 99     |

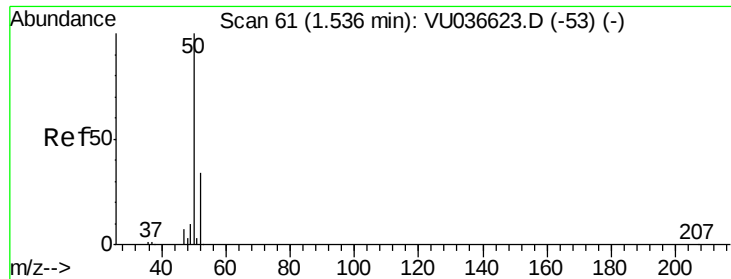
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU013020\  
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Operator : JC/MD  
Sample : L1324-09  
Misc : 5.10g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAT66

Quant Time: Jan 31 06:36:36 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM012920WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jan 31 04:01:38 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.862 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.01 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

Instrument :

MSVOA\_U

ClientSampleId :

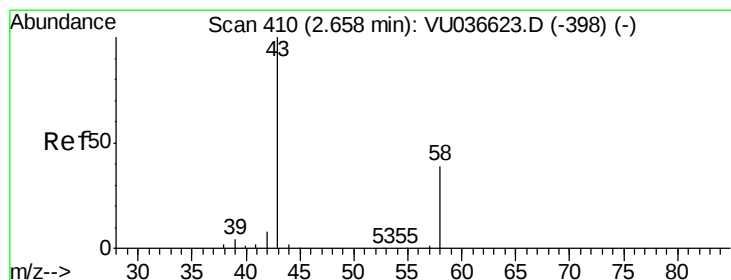
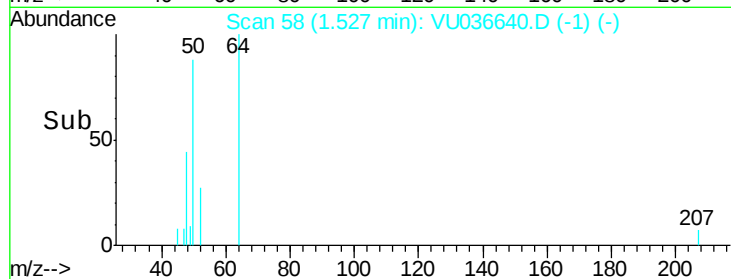
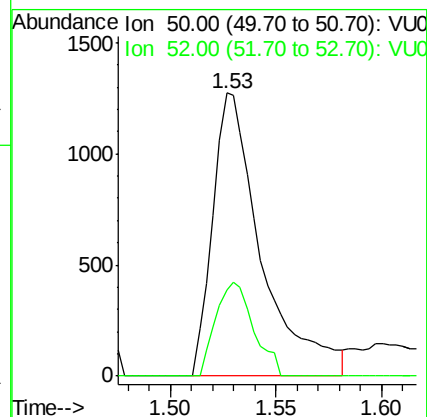
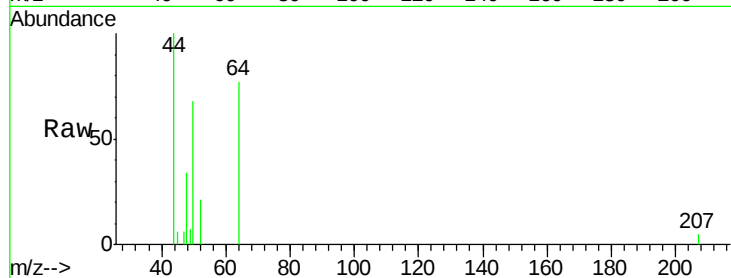
GAT66

Tot Ion: 50 Resp: 2046

Ion Ratio Lower Upper

50 100

52 30.6 23.2 43.0



#13

Acetone

Concen: 1.908 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.03 min

Lab File: VU036640.D

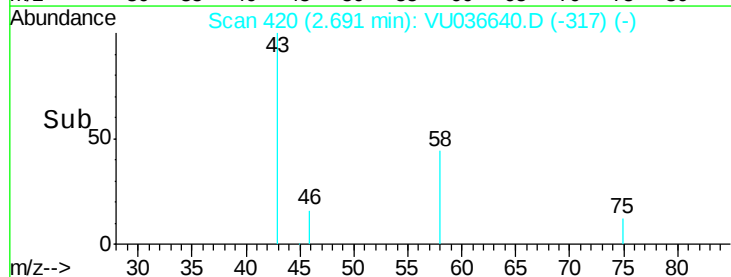
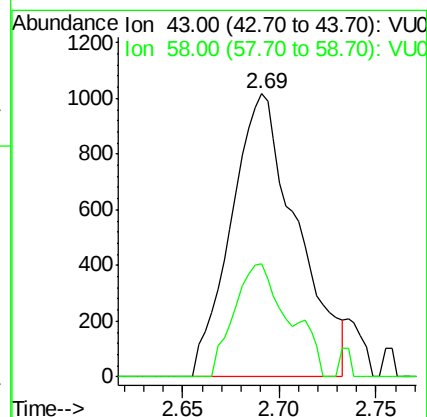
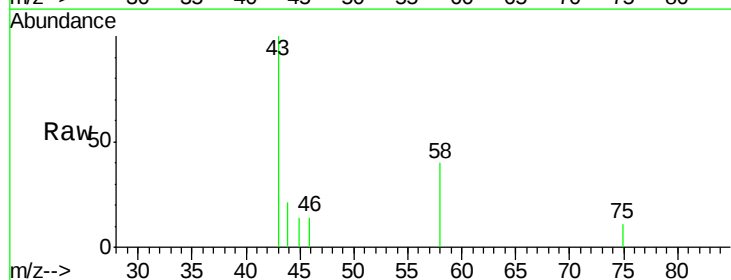
Acq: 31 Jan 2020 00:36

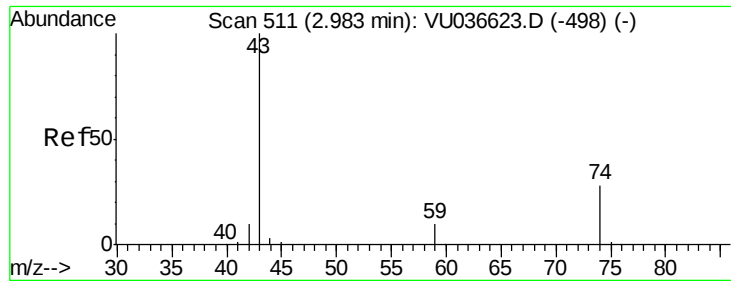
Tgt Ion: 43 Resp: 2404

Ion Ratio Lower Upper

43 100

58 27.9 0.0 75.4

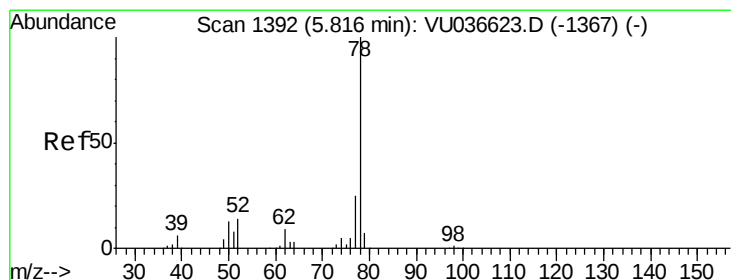
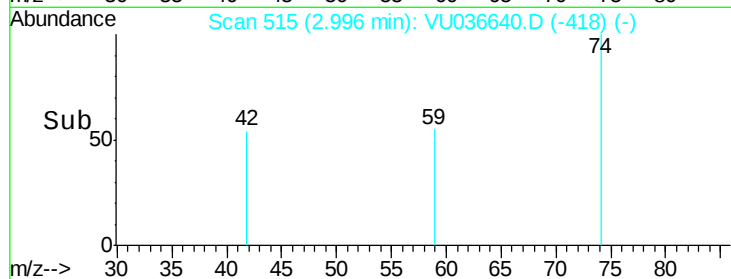
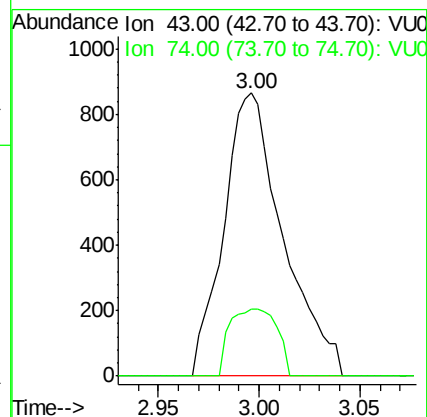
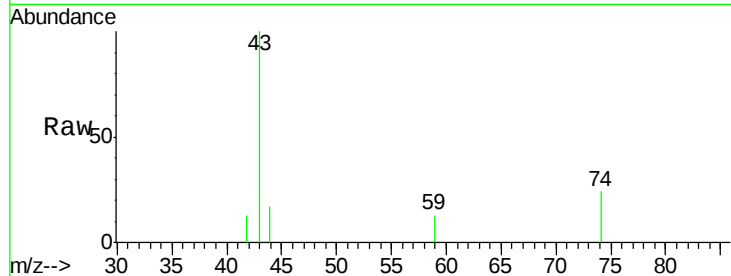




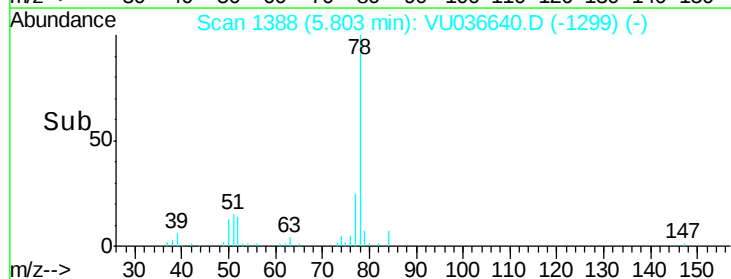
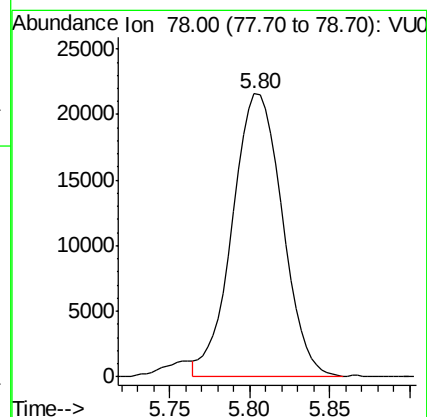
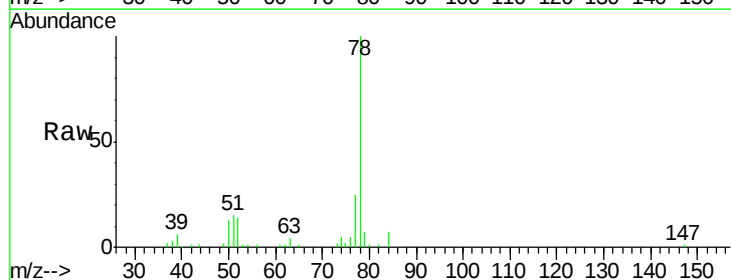
#15  
Methvl Acetate  
Concen: 0.901 ug/L  
RT: 3.00 min Scan# 515  
Delta R.T. 0.01 min  
Lab File: VU036640.D  
Acq: 31 Jan 2020 00:36

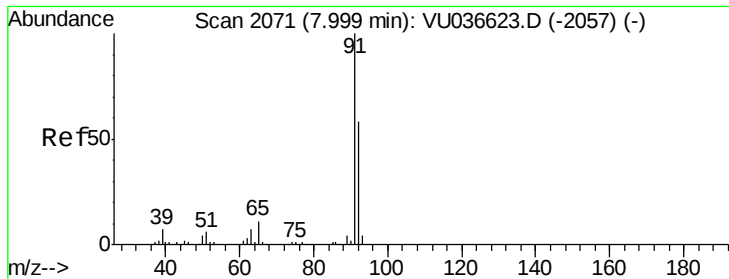
Instrument :  
MSVOA\_U  
ClientSampleId :  
GAT66

Tot Ion: 43 Resp: 1776  
Ion Ratio Lower Upper  
43 100  
74 18.9 23.3 34.9#



#33  
Benzene  
Concen: 5.404 ug/L  
RT: 5.80 min Scan# 1388  
Delta R.T. -0.01 min  
Lab File: VU036640.D  
Acq: 31 Jan 2020 00:36  
Tgt Ion: 78 Resp: 46231





#42

Toluene

Concen: 9.869 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

Instrument :

MSVOA\_U

ClientSampleId :

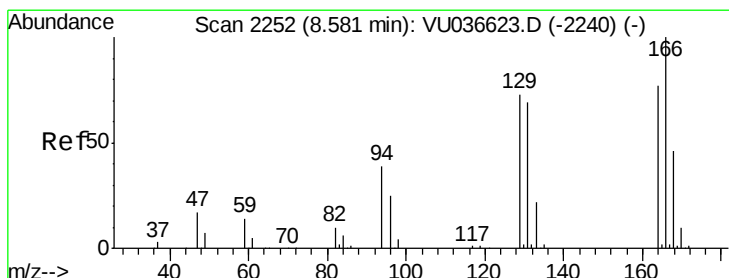
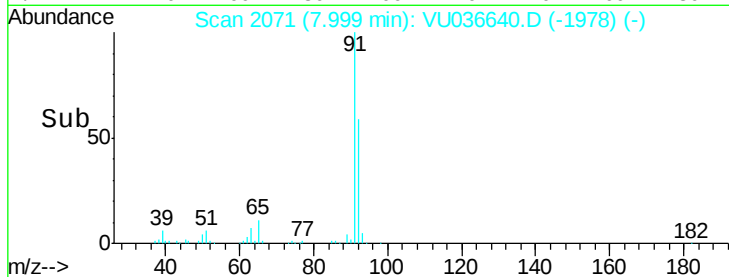
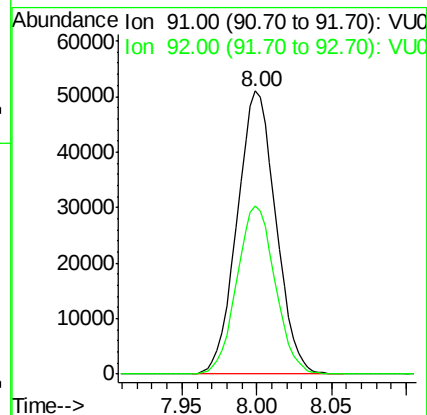
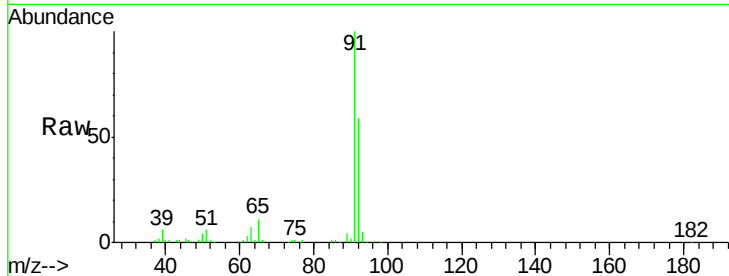
GAT66

Tot Ion: 91 Resp: 91766

Ion Ratio Lower Upper

91 100

92 59.4 39.9 74.1



#46

Tetrachloroethene

Concen: 29.952 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

Tgt Ion: 164 Resp: 53575

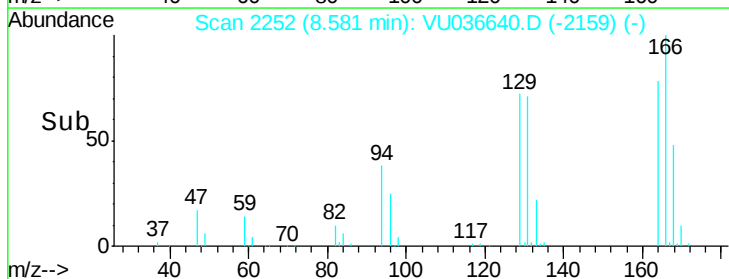
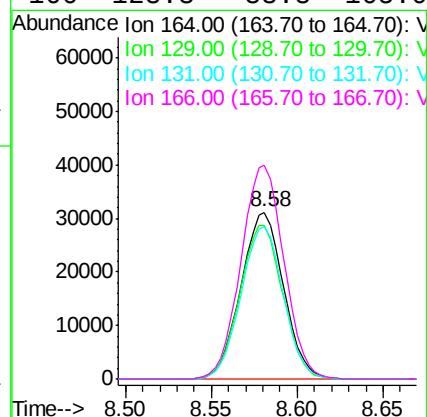
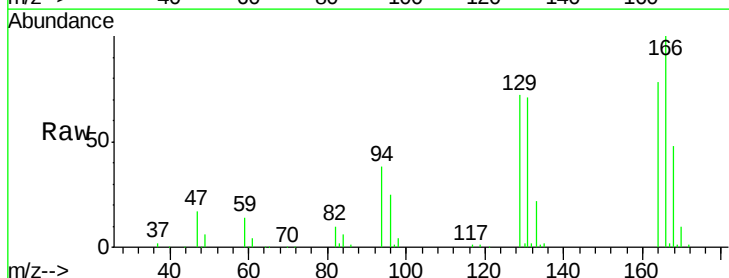
Ion Ratio Lower Upper

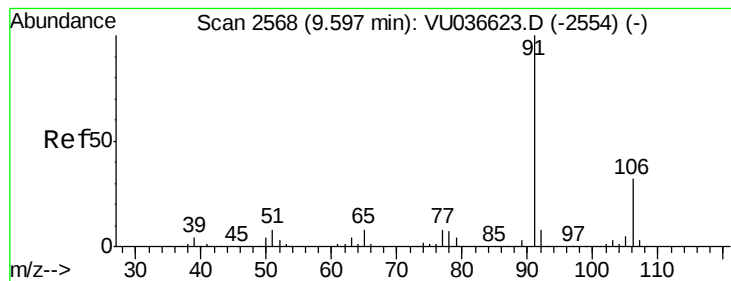
164 100

129 91.9 64.2 119.2

131 91.5 61.8 114.8

166 128.3 88.8 165.0





#52

Ethylbenzene

Concen: 27.079 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

Instrument :

MSVOA\_U

ClientSampleId :

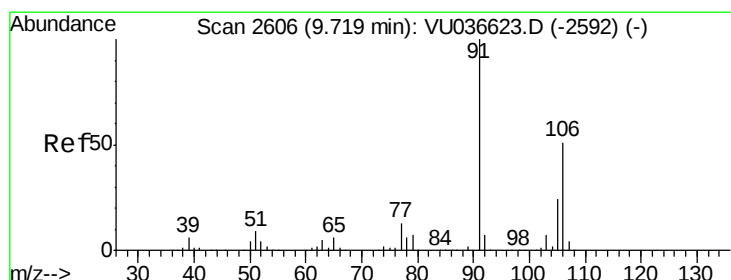
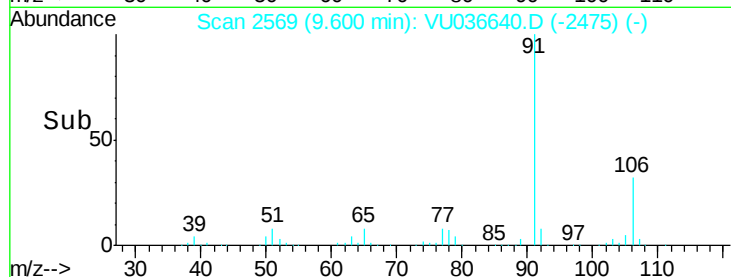
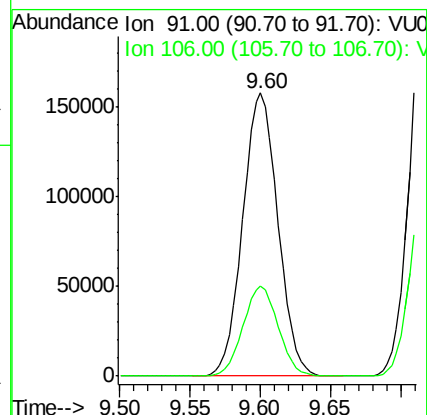
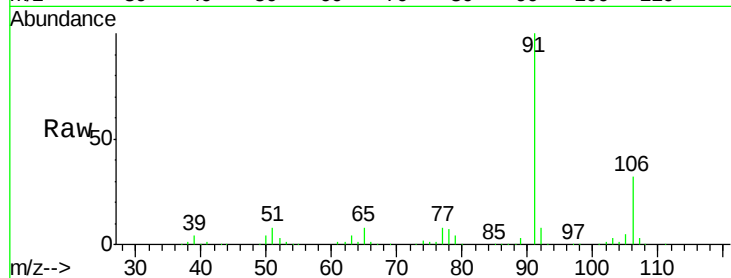
GAT66

Tot Ion: 91 Resp: 275814

Ion Ratio Lower Upper

91 100

106 31.7 22.6 42.0



#53

m,p-Xylene

Concen: 65.045 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036640.D

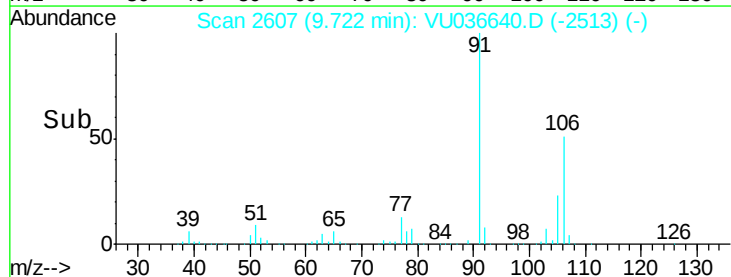
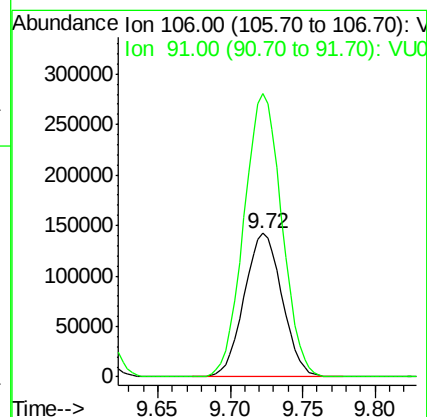
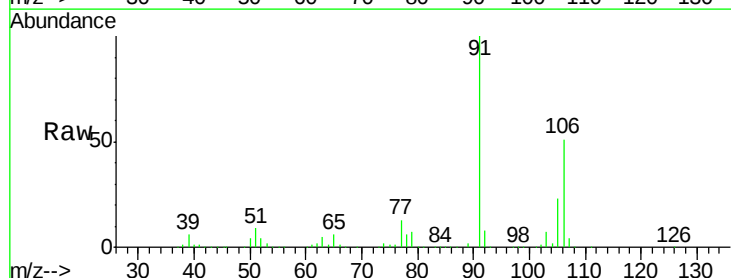
Acq: 31 Jan 2020 00:36

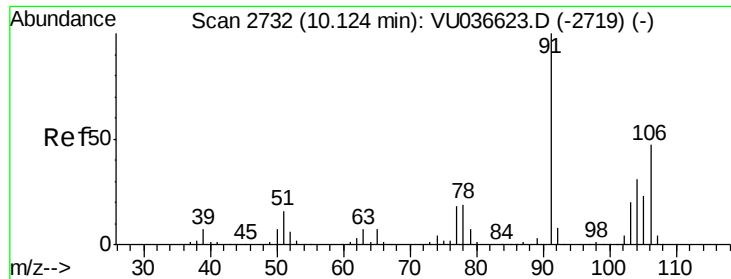
Tgt Ion: 106 Resp: 258402

Ion Ratio Lower Upper

106 100

91 197.1 139.4 259.0





#54

o-xylene

Concen: 38.045 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

Instrument :

MSVOA\_U

ClientSampled :

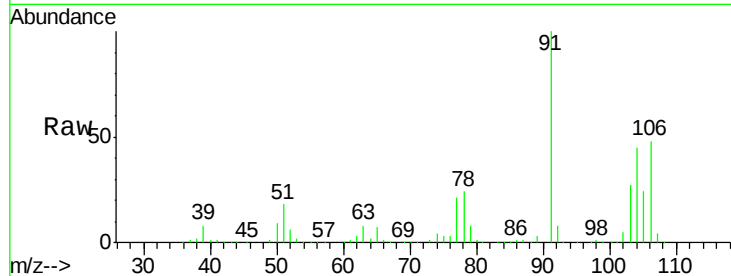
GAT66

Tot Ion:106 Resp: 150758

Ion Ratio Lower Upper

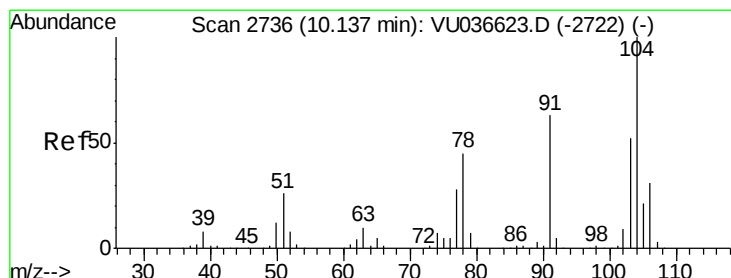
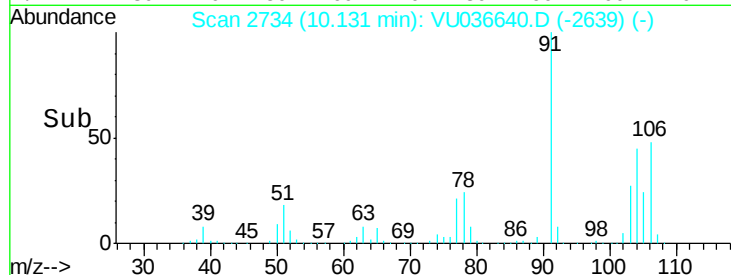
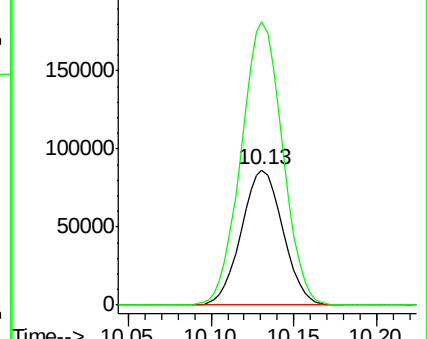
106 100

91 209.8 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 55.673 ug/L

RT: 10.15 min Scan# 2739

Delta R.T. 0.01 min

Lab File: VU036640.D

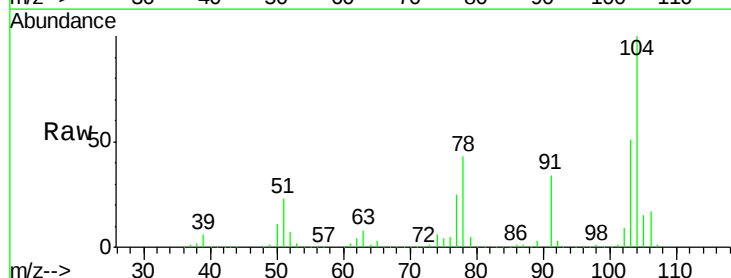
Acq: 31 Jan 2020 00:36

Tgt Ion:104 Resp: 358011

Ion Ratio Lower Upper

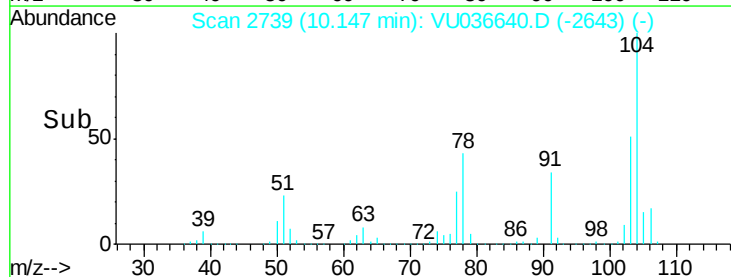
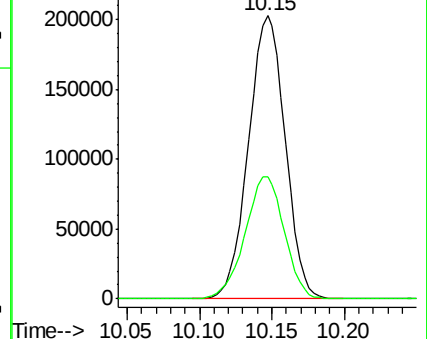
104 100

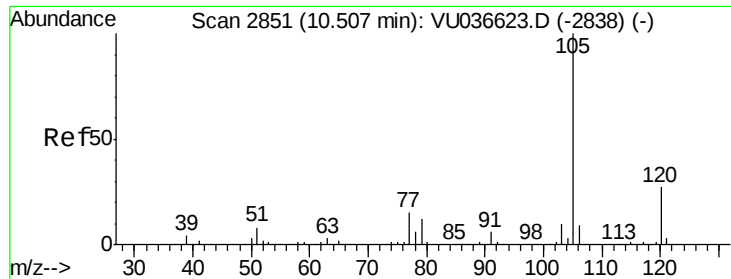
78 43.0 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 0.949 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VU036640.D

Acq: 31 Jan 2020 00:36

Instrument :

MSVOA\_U

ClientSampleId :

GAT66

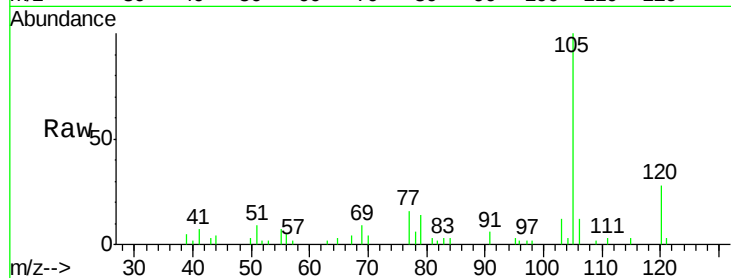
Tot Ion:105 Resp: 9566

Ion Ratio Lower Upper

105 100

120 27.4 21.6 32.4

77 14.3 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

