

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU072120\  
 Data File : VU039611.D  
 Acq On : 21 Jul 2020 20:47  
 Operator : SY/MD  
 Sample : L3347-15  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAY07

Quant Time: Jul 22 03:42:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR072120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 22 02:01:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.27  | 114  | 112804   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 107432   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 48714    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 32560    | 6.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 124.40% |
| 7) Chloroethane-d5             | 1.92   | 69    | 34465    | 6.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 120.60% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 48826    | 4.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 83.00%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 123195   | 52.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 104.32% |
| 24) Chloroform-d               | 5.08   | 84    | 68571    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.20% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 44385    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.20% |
| 32) Benzene-d6                 | 5.75   | 84    | 133761   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.60% |
| 36) 1,2-Dichloropropane-d6     | 6.71   | 67    | 43378    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.00% |
| 41) Toluene-d8                 | 7.91   | 98    | 117997   | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 17378    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 94.00%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 90797    | 50.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.48% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 36822    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 44035    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.60% |

## Target Compounds

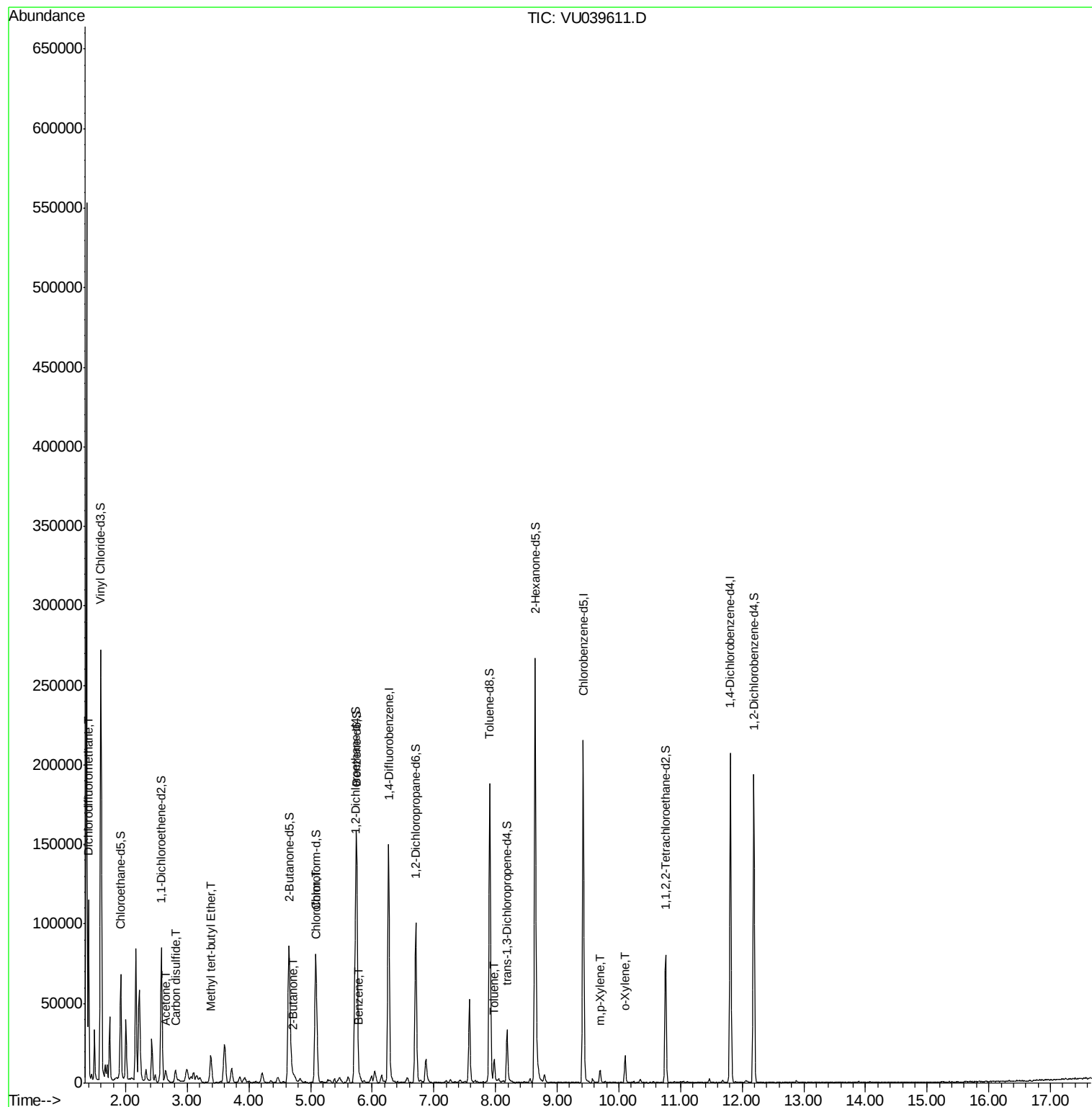
|                             |       |     |       |              | Qvalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane  | 1.40  | 85  | 1351  | 0.245 ug/L   | 98     |
| 13) Acetone                 | 2.65  | 43  | 10249 | 7.798 ug/L   | 97     |
| 14) Carbon disulfide        | 2.81  | 76  | 7927  | 0.494 ug/L   | 99     |
| 17) Methyl tert-butyl Ether | 3.38  | 73  | 10578 | 0.624 ug/L # | 41     |
| 21) 2-Butanone              | 4.73  | 43  | 4039  | 1.774 ug/L   | 99     |
| 25) Chloroform              | 5.11  | 83  | 5200  | 0.375 ug/L   | 84     |
| 33) Benzene                 | 5.79  | 78  | 3451  | 0.134 ug/L   | 100    |
| 42) Toluene                 | 7.98  | 91  | 8975  | 0.318 ug/L   | 94     |
| 53) m,p-Xylene              | 9.69  | 106 | 2068  | 0.172 ug/L   | 88     |
| 54) o-Xylene                | 10.10 | 106 | 4329  | 0.370 ug/L   | 92     |

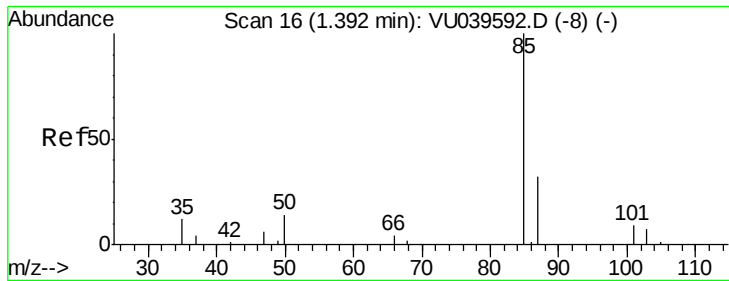
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
GAY07

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR072120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jul 22 02:01:33 2020  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.245 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.01 min

Lab File: VU039611.D

Acq: 21 Jul 2020 20:47

Instrument :

MSVOA\_U

ClientSampleId :

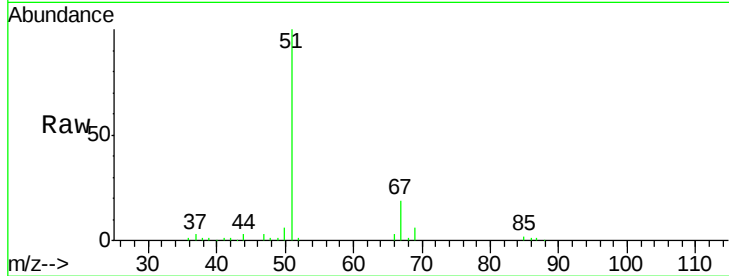
GAY07

Tgt Ion: 85 Resp: 1351

Ion Ratio Lower Upper

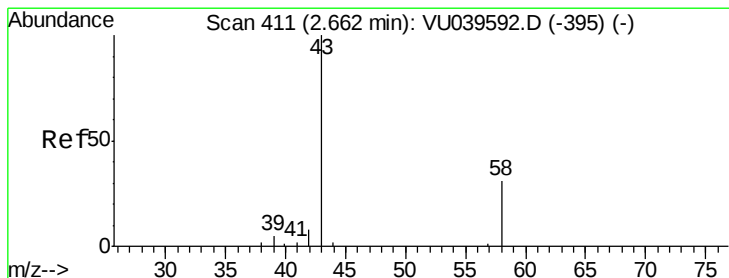
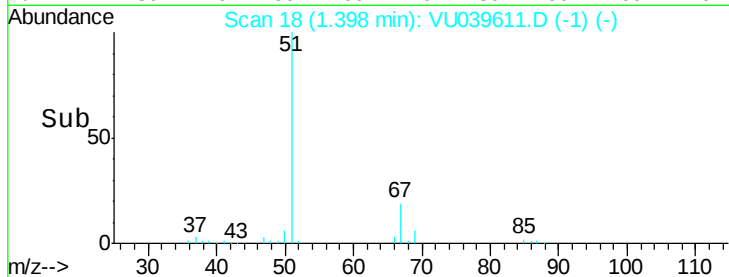
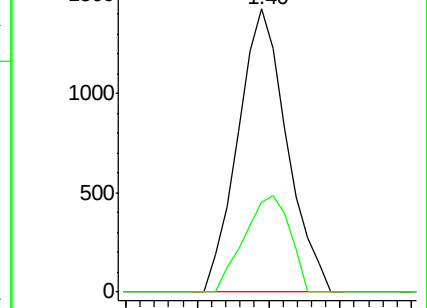
85 100

87 31.8 24.5 36.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#13

Acetone

Concen: 7.798 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU039611.D

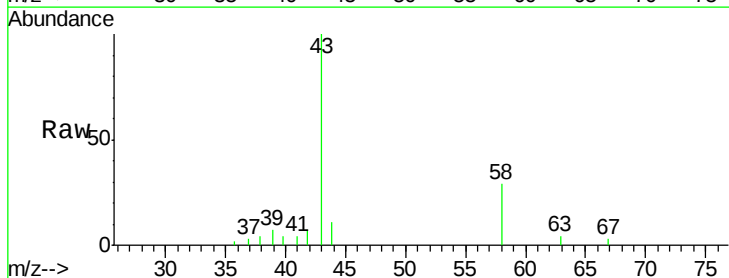
Acq: 21 Jul 2020 20:47

Tgt Ion: 43 Resp: 10249

Ion Ratio Lower Upper

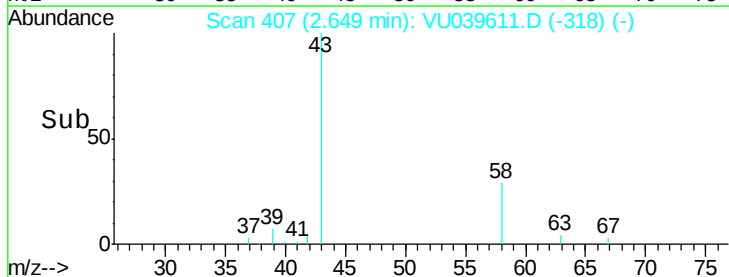
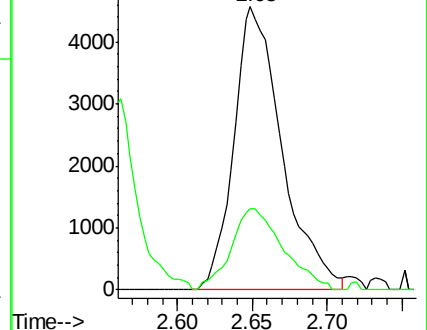
43 100

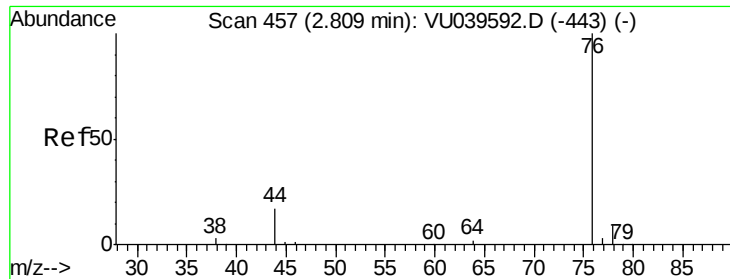
58 31.0 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

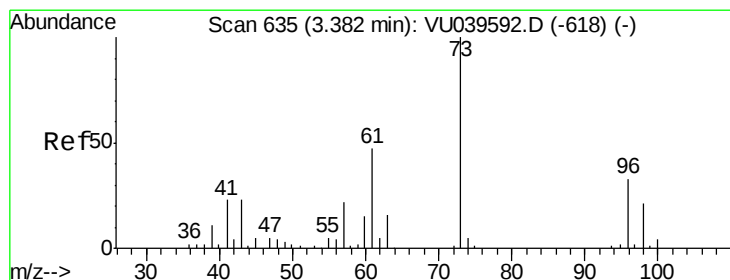
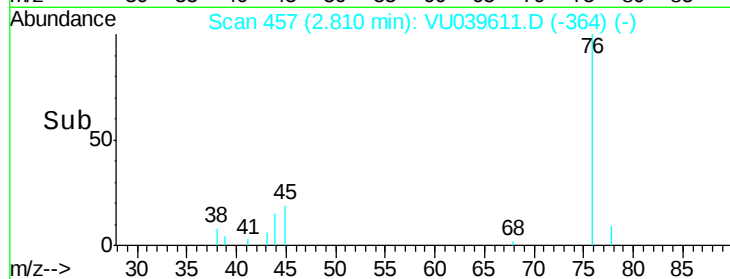
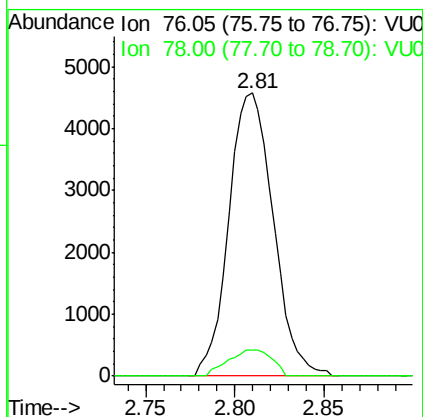
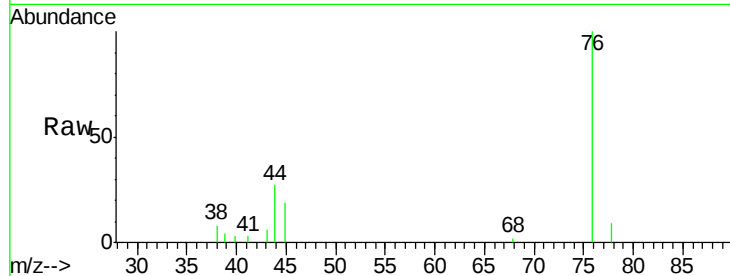




#14  
Carbon disulfide  
Concen: 0.494 ug/L  
RT: 2.81 min Scan# 457  
Delta R.T. 0.00 min  
Lab File: VU039611.D  
Acq: 21 Jul 2020 20:47

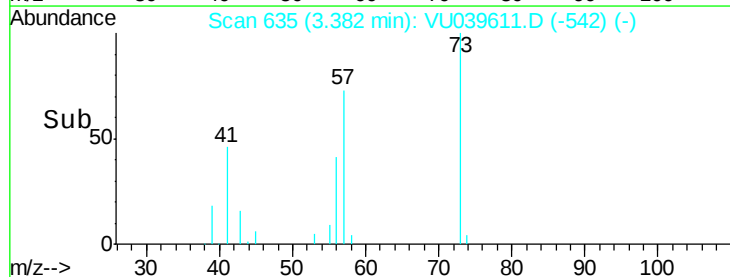
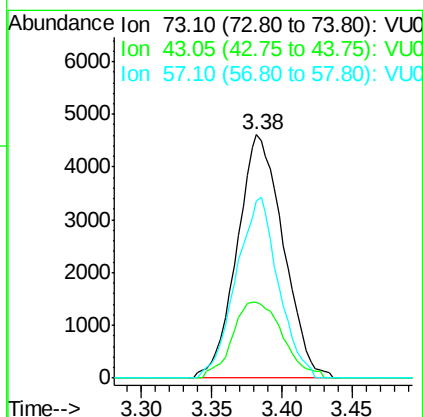
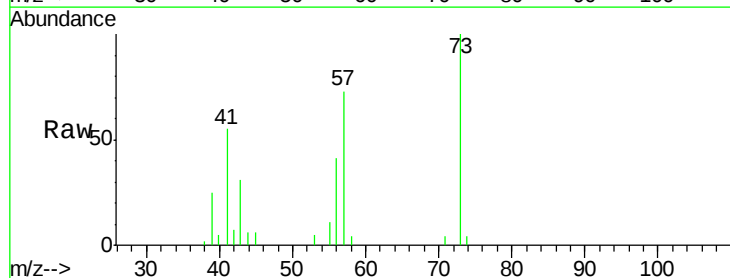
Instrument :  
MSVOA\_U  
ClientSampled :  
GAY07

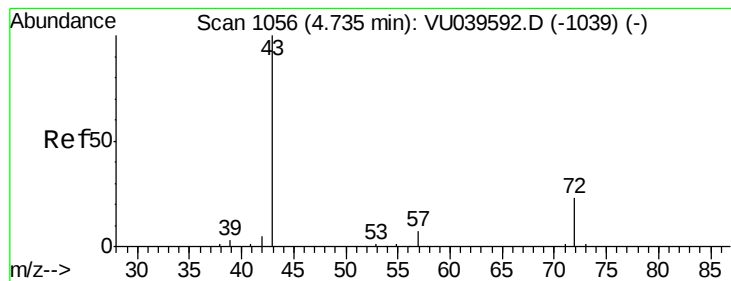
Tgt Ion: 76 Resp: 7927  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.2 10.8



#17  
Methyl tert-butyl Ether  
Concen: 0.624 ug/L  
RT: 3.38 min Scan# 635  
Delta R.T. 0.00 min  
Lab File: VU039611.D  
Acq: 21 Jul 2020 20:47

Tgt Ion: 73 Resp: 10578  
Ion Ratio Lower Upper  
73 100  
43 33.9 18.2 27.4#  
57 68.0 17.9 26.9#





#21

2-Butanone

Concen: 1.774 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU039611.D

Acq: 21 Jul 2020 20:47

Instrument :

MSVOA\_U

ClientSampled :

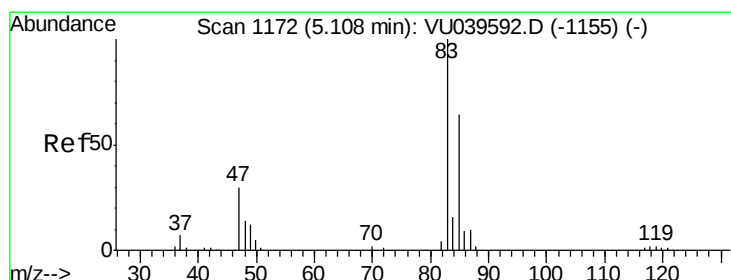
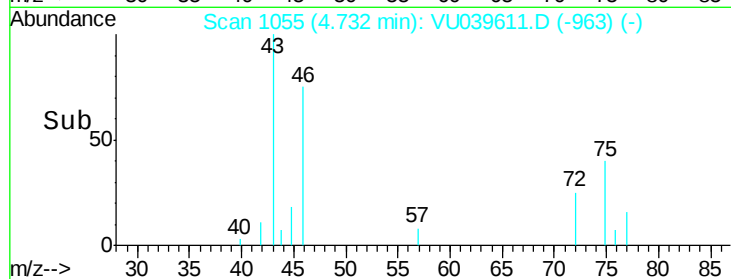
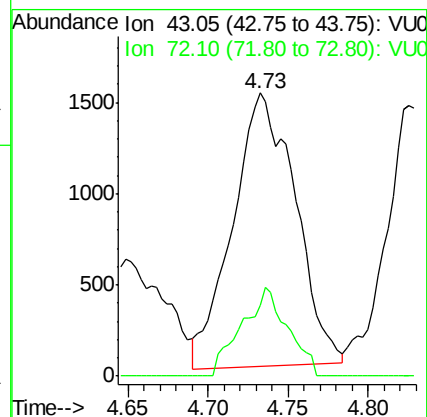
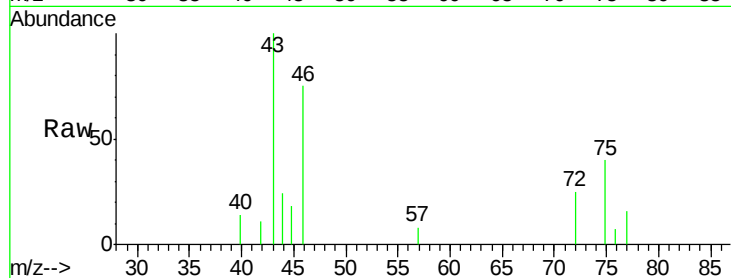
GAY07

Tgt Ion: 43 Resp: 4039

Ion Ratio Lower Upper

43 100

72 23.7 12.2 36.4



#25

Chloroform

Concen: 0.375 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU039611.D

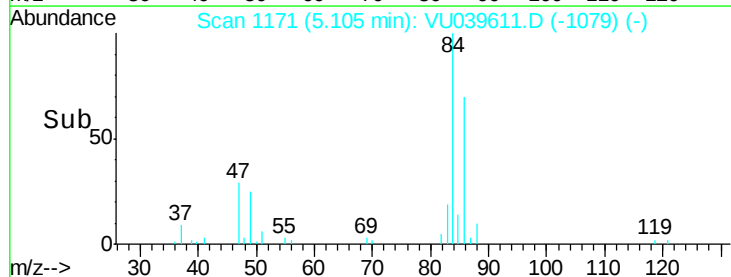
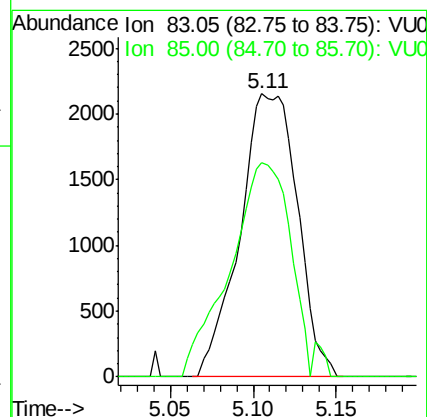
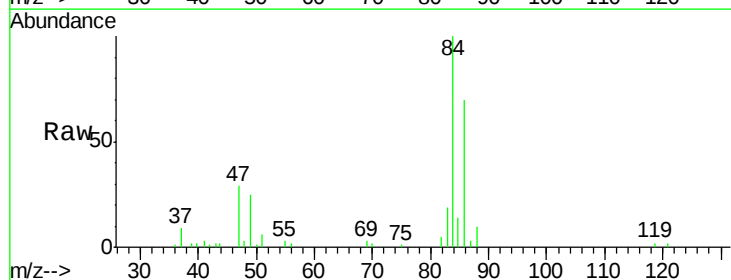
Acq: 21 Jul 2020 20:47

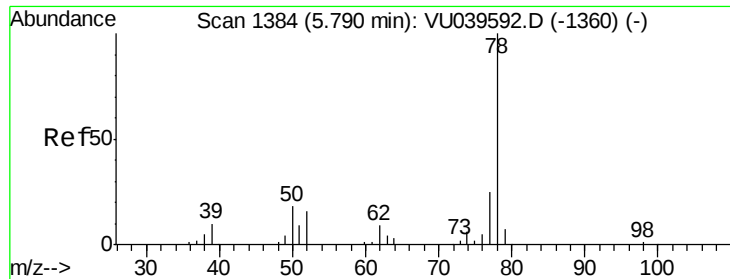
Tgt Ion: 83 Resp: 5200

Ion Ratio Lower Upper

83 100

85 75.8 44.4 82.5





#33

Benzene

Concen: 0.134 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039611.D

Acq: 21 Jul 2020 20:47

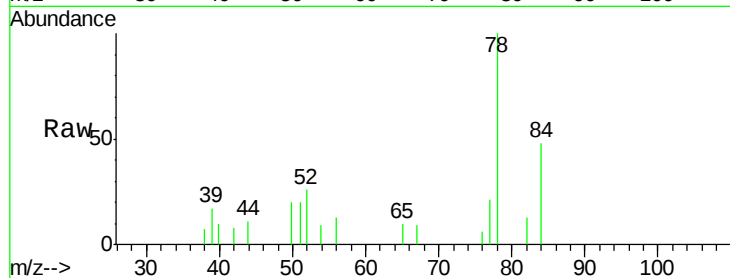
Instrument :

MSVOA\_U

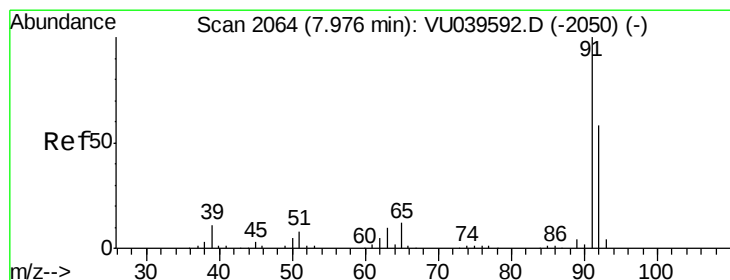
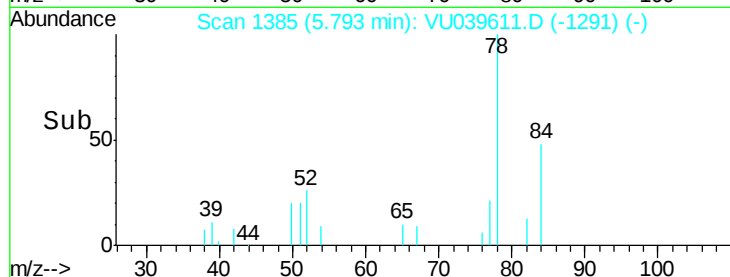
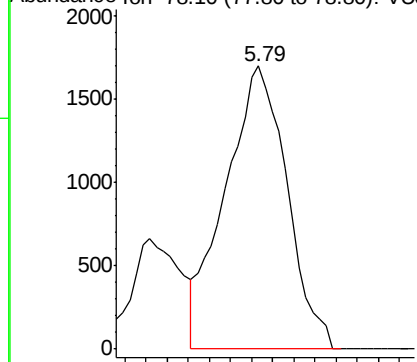
ClientSampled :

GAY07

Tgt Ion: 78 Resp: 3451



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 0.318 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039611.D

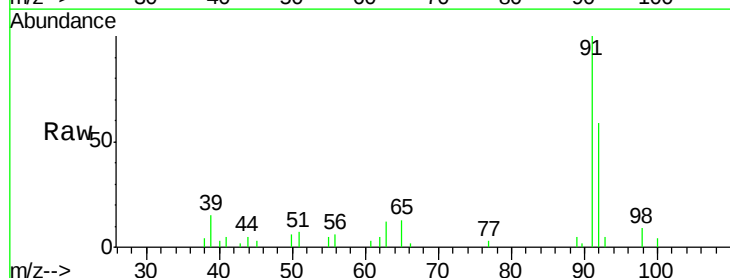
Acq: 21 Jul 2020 20:47

Tgt Ion: 91 Resp: 8975

Ion Ratio Lower Upper

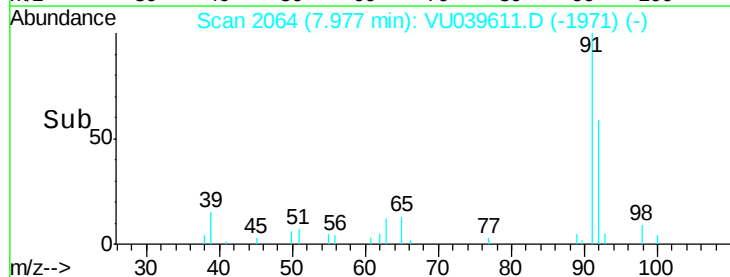
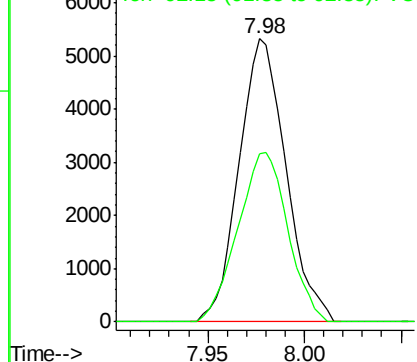
91 100

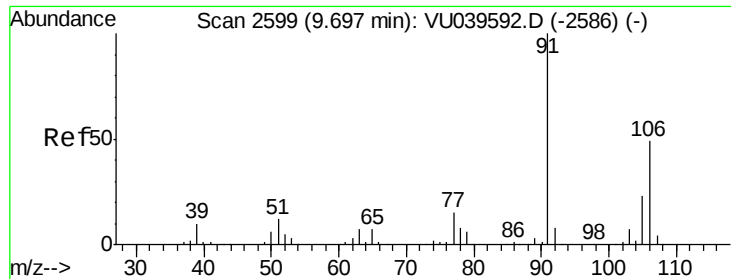
92 59.4 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#53

m,p-Xylene

Concen: 0.172 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039611.D

Acq: 21 Jul 2020 20:47

Instrument :

MSVOA\_U

ClientSampleId :

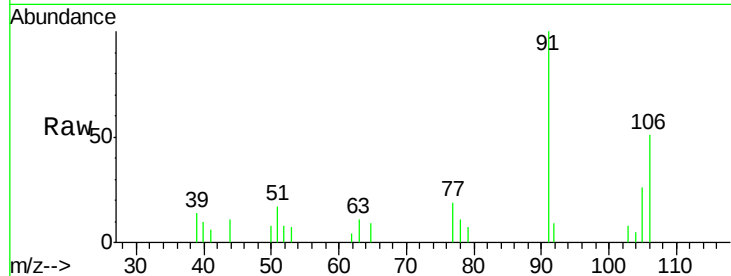
GAY07

Tgt Ion:106 Resp: 2068

Ion Ratio Lower Upper

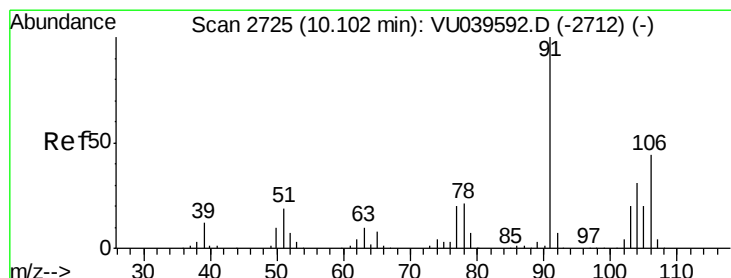
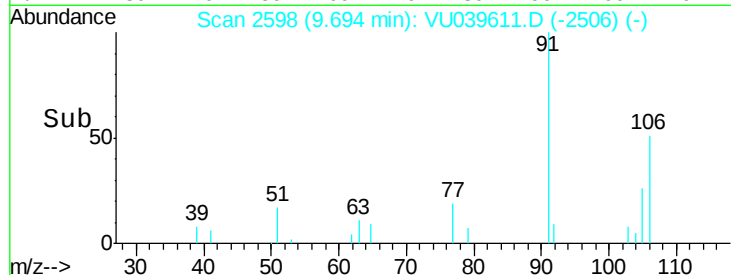
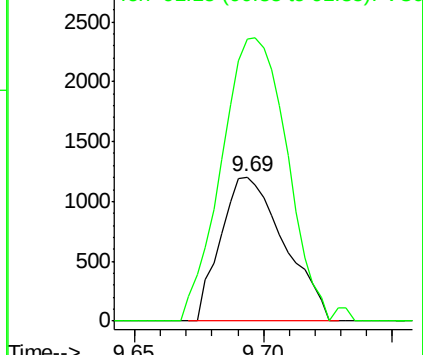
106 100

91 195.0 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.370 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039611.D

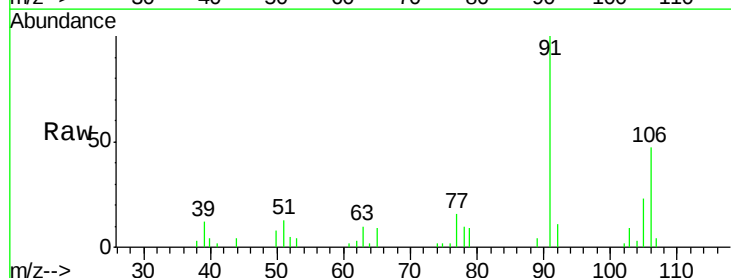
Acq: 21 Jul 2020 20:47

Tgt Ion:106 Resp: 4329

Ion Ratio Lower Upper

106 100

91 211.8 157.4 292.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

