

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062019\  
 Data File : VU032917.D  
 Acq On : 20 Jun 2019 22:03  
 Operator : JC/SP  
 Sample : K3413-18DL 4X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GALG6DL

Quant Time: Jun 21 08:27:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 21 07:36:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 85778    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 85504    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 45072    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 22094    | 3.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.20%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 20373    | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 37210    | 3.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.80%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 99267    | 63.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 127.56% |
| 24) Chloroform-d               | 4.64   | 84    | 53502    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.00% |
| 26) 1,2-Dichloroethane-d4      | 5.30   | 65    | 32648    | 6.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 125.20% |
| 32) Benzene-d6                 | 5.33   | 84    | 99678    | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 33767    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.20% |
| 41) Toluene-d8                 | 7.56   | 98    | 88632    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 13091    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 70633    | 50.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.70% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42  | 84    | 30628    | 5.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 111.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 40306    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.40%  |

## Target Compounds

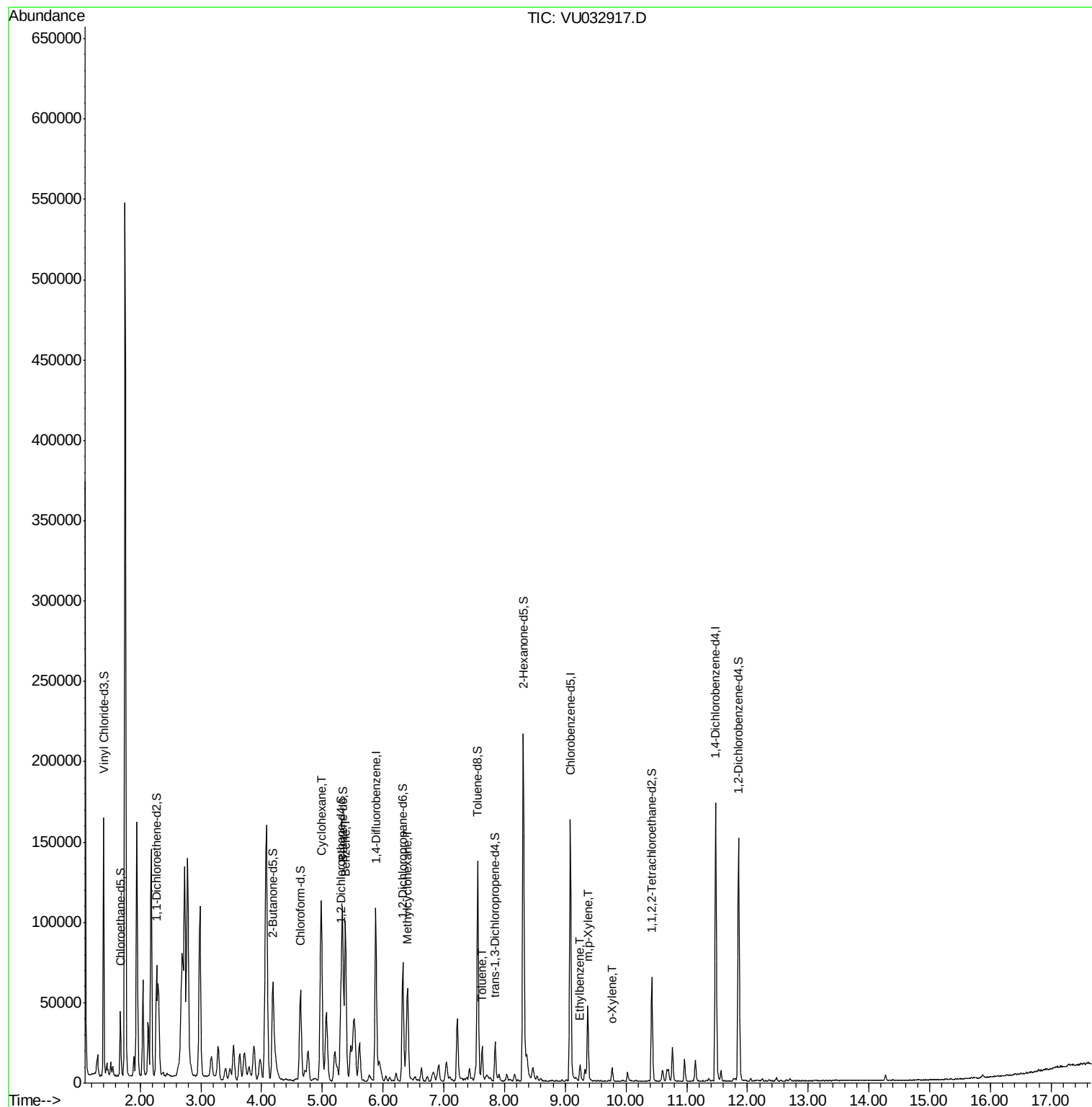
|                       |      |     |       |              | Ovalue |
|-----------------------|------|-----|-------|--------------|--------|
| 30) Cyclohexane       | 4.98 | 56  | 54316 | 4.932 ug/L   | 95     |
| 33) Benzene           | 5.38 | 78  | 91154 | 3.616 ug/L   | 100    |
| 35) Methylcyclohexane | 6.40 | 83  | 20923 | 1.794 ug/L # | 81     |
| 42) Toluene           | 7.63 | 91  | 14800 | 0.527 ug/L   | 99     |
| 52) Ethylbenzene      | 9.24 | 91  | 7067  | 0.228 ug/L   | 99     |
| 53) m,p-Xylene        | 9.37 | 106 | 12865 | 1.096 ug/L   | 99     |
| 54) o-Xylene          | 9.77 | 106 | 2248  | 0.192 ug/L   | 90     |

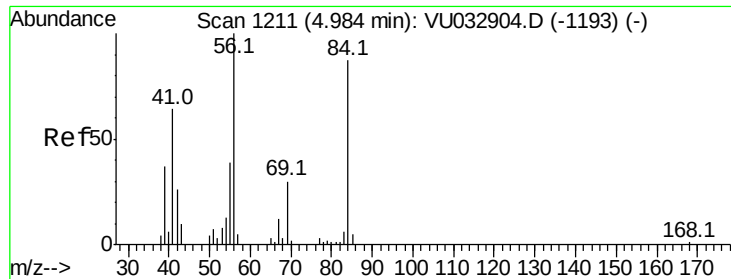
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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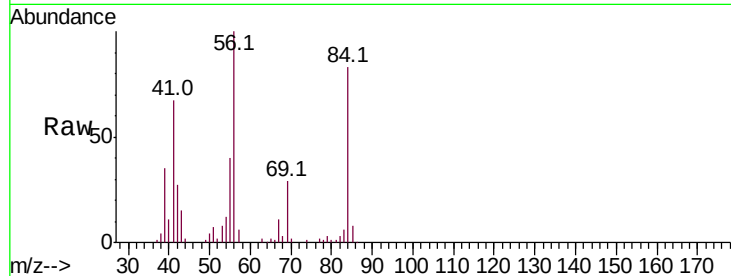




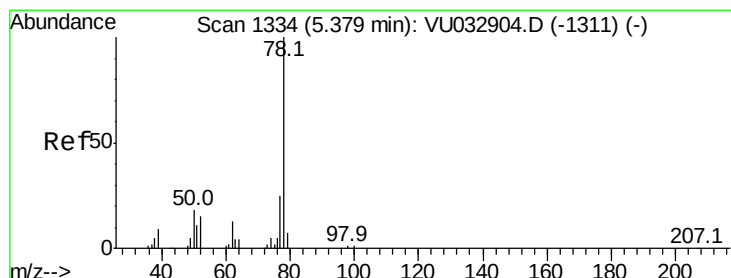
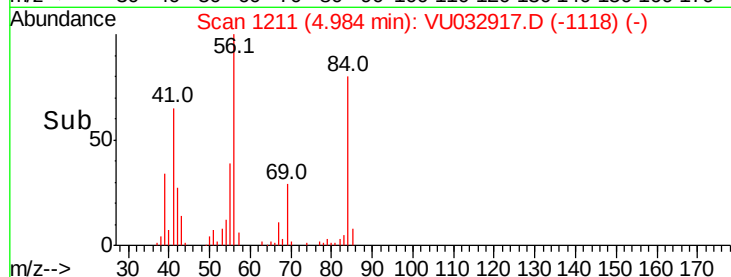
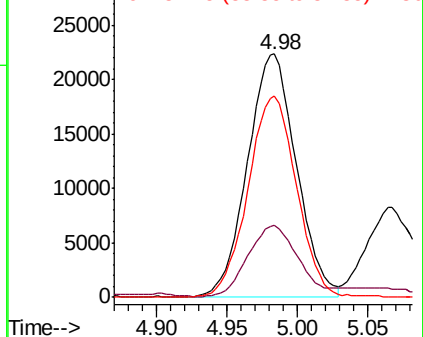
#30  
Cyclohexane  
Concen: 4.932 ug/L  
RT: 4.98 min Scan# 1211  
Delta R.T. -0.00 min  
Lab File: VU032917.D  
Acq: 20 Jun 2019 22:03

Instrument :  
MSVOA\_U  
ClientSampleId :  
GALG6DL

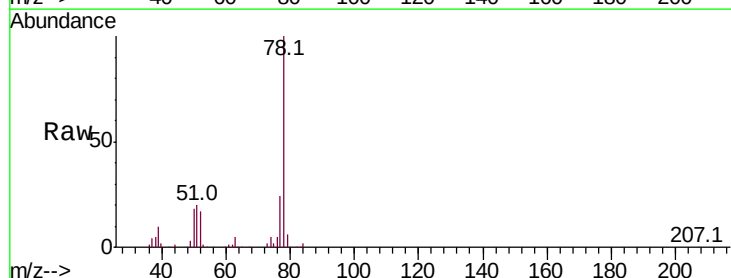
Tot Ion: 56 Resp: 54316  
Ion Ratio Lower Upper  
56 100  
69 32.4 24.9 37.3  
84 82.0 70.2 105.2



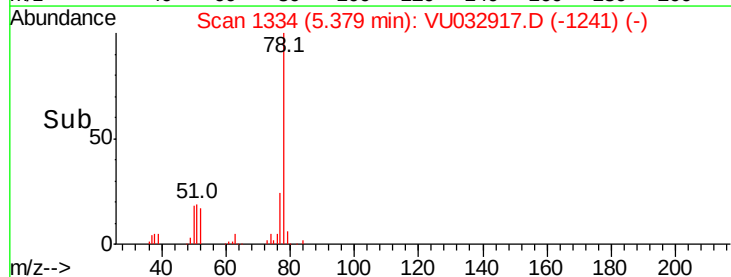
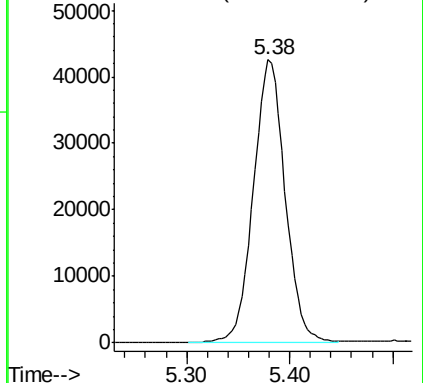
Abundance Ion 56.10 (55.80 to 56.80): VU0  
Ion 69.15 (68.85 to 69.85): VU0  
Ion 84.15 (83.85 to 84.85): VU0

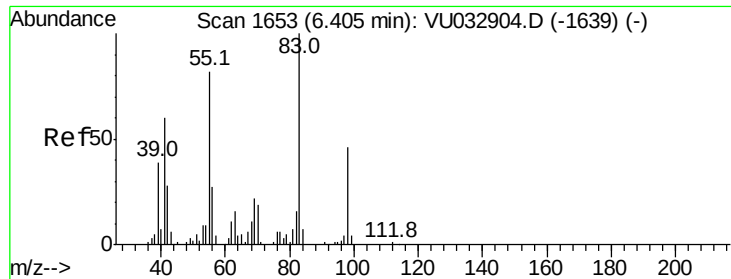


#33  
Benzene  
Concen: 3.616 ug/L  
RT: 5.38 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VU032917.D  
Acq: 20 Jun 2019 22:03  
Tgt Ion: 78 Resp: 91154



Abundance Ion 78.10 (77.80 to 78.80): VU0

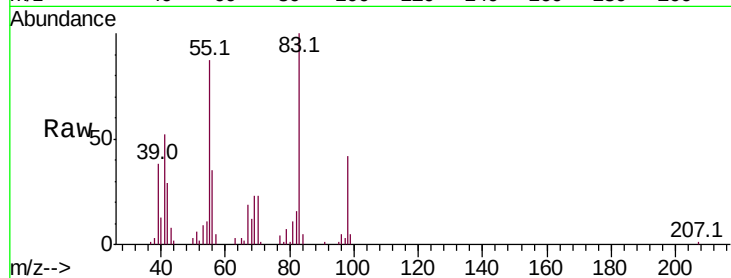




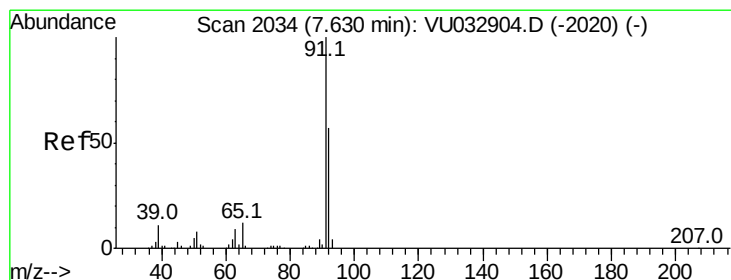
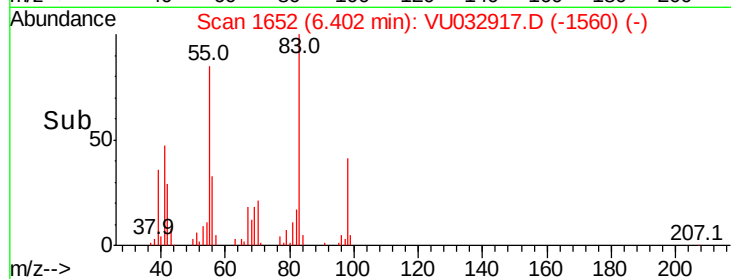
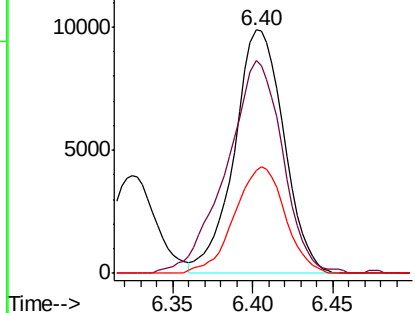
#35  
Methylvlcyclohexane  
Concen: 1.794 ug/L  
RT: 6.40 min Scan# 1652  
Delta R.T. -0.00 min  
Lab File: VU032917.D  
Acq: 20 Jun 2019 22:03

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Tot Ion: 83 Resp: 20923  
Ion Ratio Lower Upper  
83 100  
55 99.2 60.0 90.0#  
98 44.6 37.8 56.8

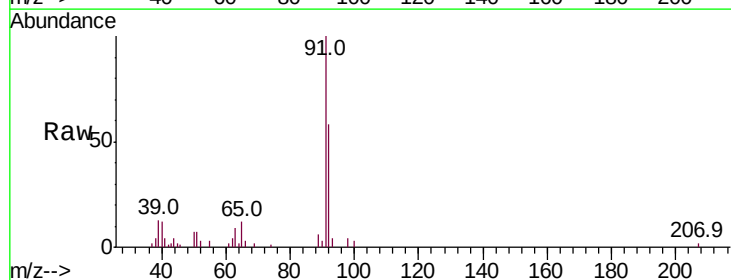


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

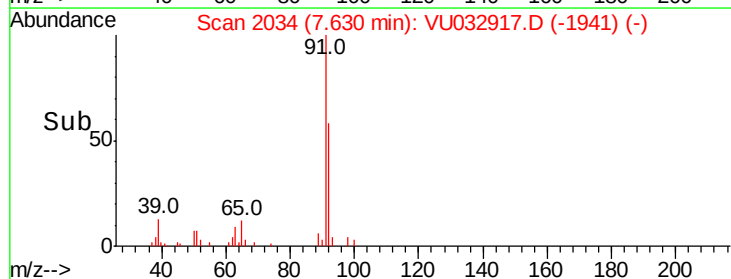
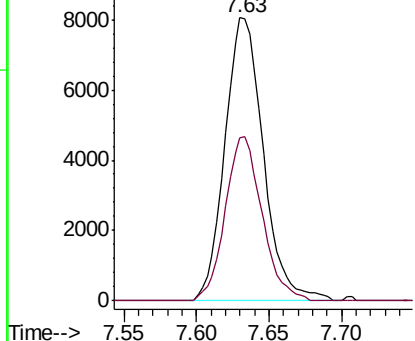


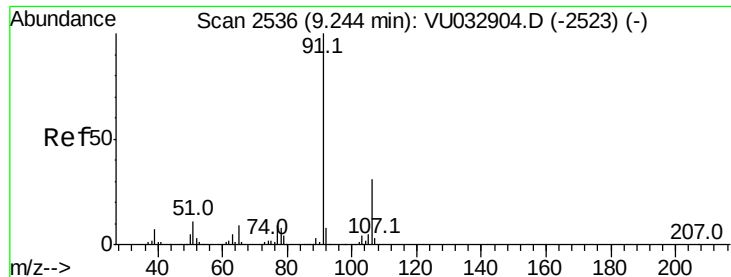
#42  
Toluene  
Concen: 0.527 ug/L  
RT: 7.63 min Scan# 2034  
Delta R.T. -0.00 min  
Lab File: VU032917.D  
Acq: 20 Jun 2019 22:03

Tgt Ion: 91 Resp: 14800  
Ion Ratio Lower Upper  
91 100  
92 57.7 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0  
Ion 92.15 (91.85 to 92.85): VU0





#52

Ethylbenzene

Concen: 0.228 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032917.D

Acq: 20 Jun 2019 22:03

Instrument :

MSVOA\_U

ClientSampleId :

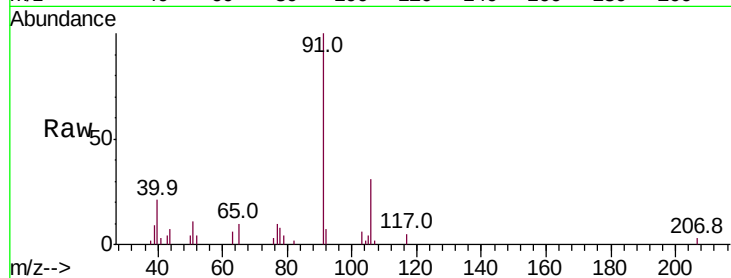
GALG6DL

Tot Ion: 91 Resp: 7067

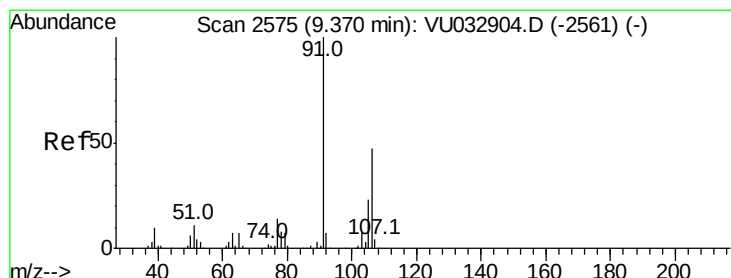
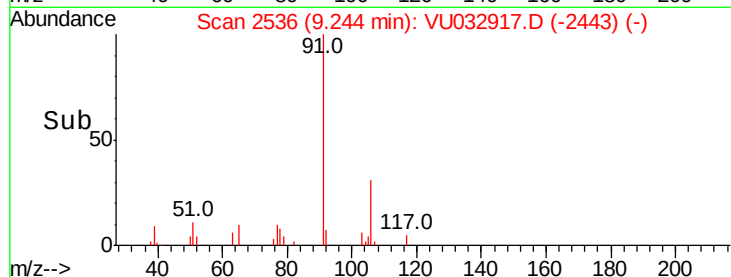
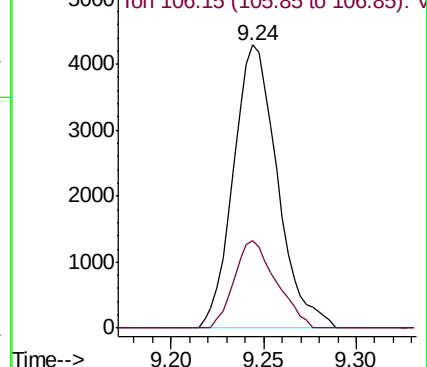
Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032917.D (-2443) (-)



#53

m,p-Xylene

Concen: 1.096 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032917.D

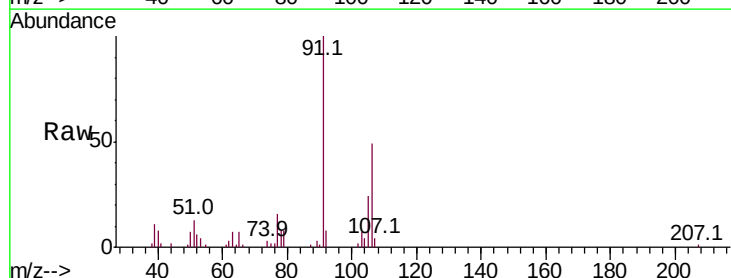
Acq: 20 Jun 2019 22:03

Tgt Ion: 106 Resp: 12865

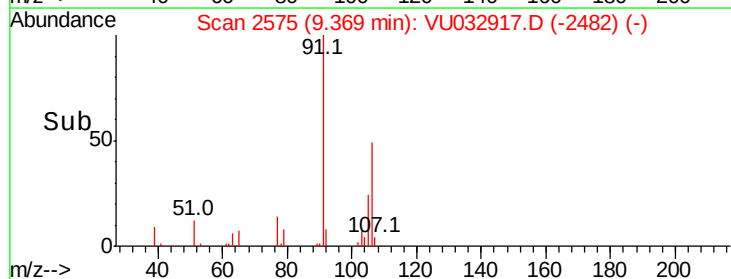
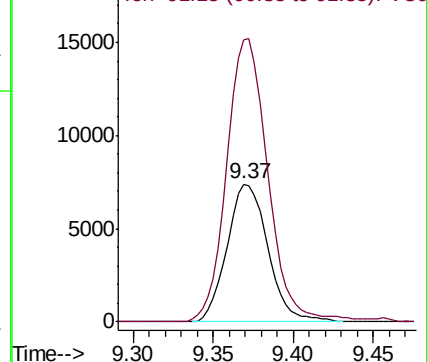
Ion Ratio Lower Upper

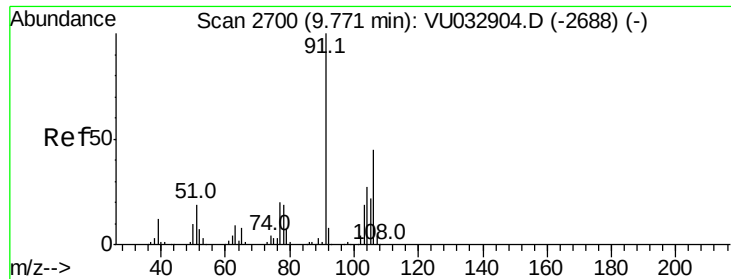
106 100

91 204.2 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032917.D (-2482) (-)





#54  
 o-Xylene  
 Concen: 0.192 ug/L  
 RT: 9.77 min Scan# 2701  
 Delta R.T. 0.00 min  
 Lab File: VU032917.D  
 Acq: 20 Jun 2019 22:03

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GALG6DL

Tot Ion:106 Resp: 2248  
 Ion Ratio Lower Upper  
 106 100  
 91 196.7 148.8 276.4

