

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092821\  
 Data File : VU044967.D  
 Acq On : 29 Sep 2021 02:08  
 Operator : SY/MD  
 Sample : M3926-08DL 10X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EP-1-FD-001-0921DL

Quant Time: Sep 29 05:50:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 12:32:13 2021  
 Response via : Initial Calibration

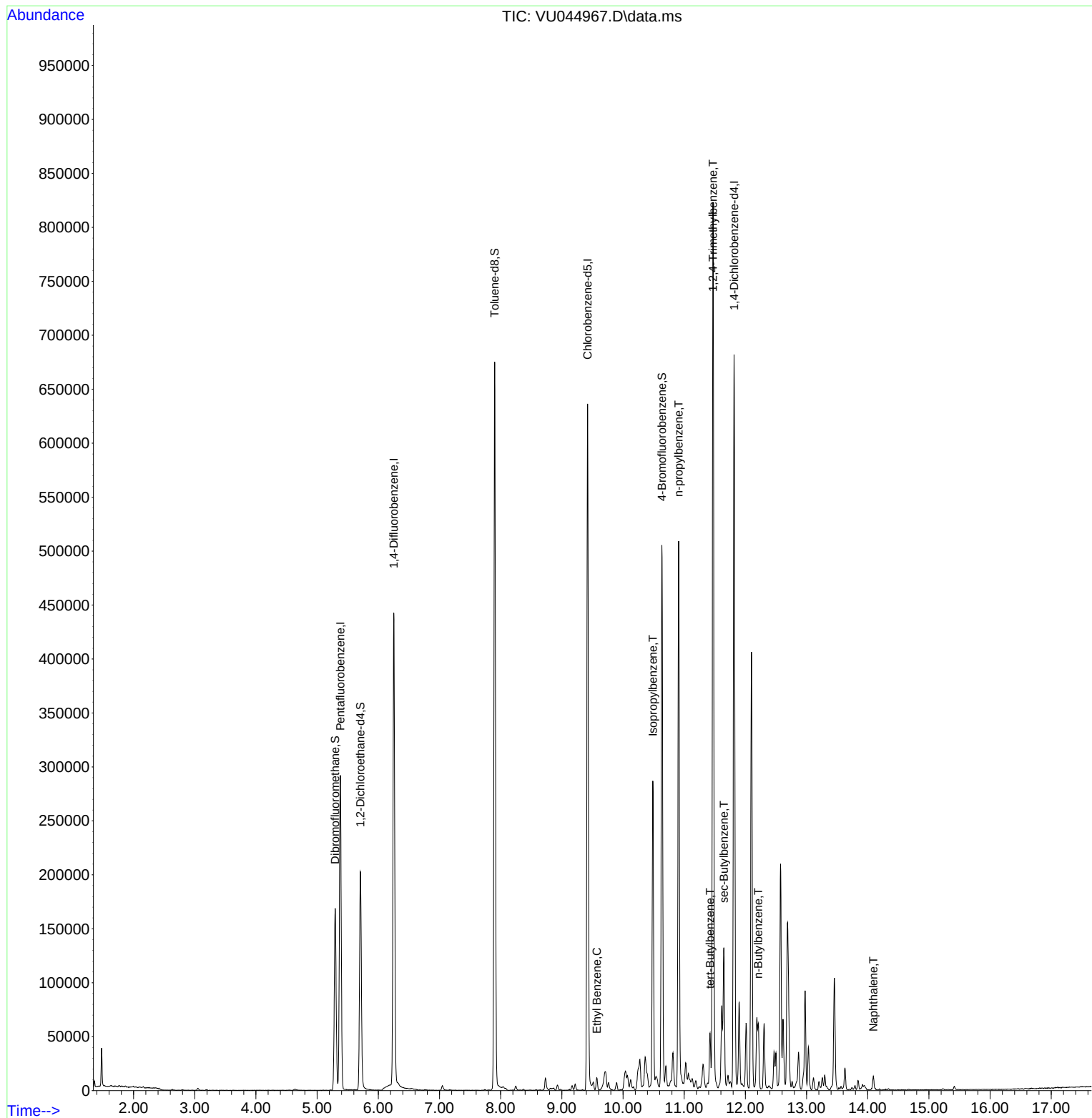
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.378  | 168   | 190622   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.253  | 114   | 341263   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.420  | 117   | 332352   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.815 | 152   | 168454   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.706  | 65    | 157475   | 49.63    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 99.26%   |
| 35) Dibromofluoromethane    | 5.295  | 113   | 109617   | 50.92    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 101.84%  |
| 50) Toluene-d8              | 7.902  | 98    | 441816   | 51.94    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 103.88%  |
| 62) 4-Bromofluorobenzene    | 10.635 | 95    | 169915   | 48.38    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 96.76%   |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 67) Ethyl Benzene           | 9.574  | 91    | 5891     | 0.46     | ug/l   | 98       |
| 73) Isopropylbenzene        | 10.488 | 105   | 176508   | 14.07    | ug/l   | 98       |
| 78) n-propylbenzene         | 10.909 | 91    | 389302   | 25.47    | ug/l   | 99       |
| 83) tert-Butylbenzene       | 11.423 | 119   | 17383    | 1.63     | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene  | 11.471 | 105   | 440703   | 40.53    | ug/l   | 99       |
| 85) sec-Butylbenzene        | 11.648 | 105   | 81059    | 5.89     | ug/l   | 99       |
| 89) n-Butylbenzene          | 12.211 | 91    | 33663    | 3.30     | ug/l # | 78       |
| 95) Naphthalene             | 14.092 | 128   | 9861     | 0.79     | ug/l   | 97       |
| -----                       |        |       |          |          |        |          |

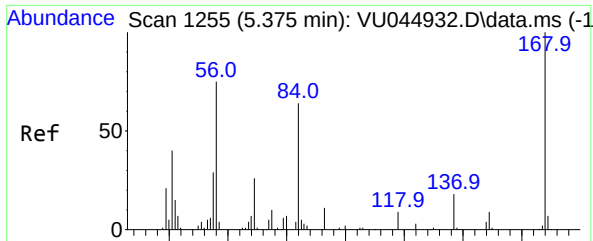
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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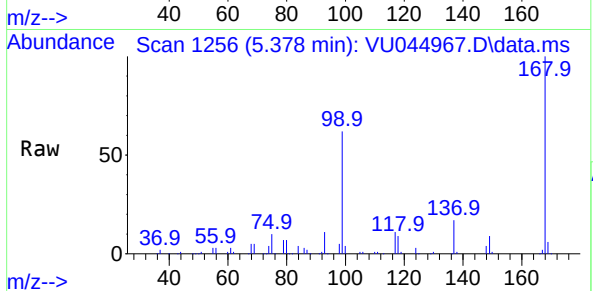
Quant Time: Sep 29 05:50:35 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 28 12:32:13 2021  
Response via : Initial Calibration



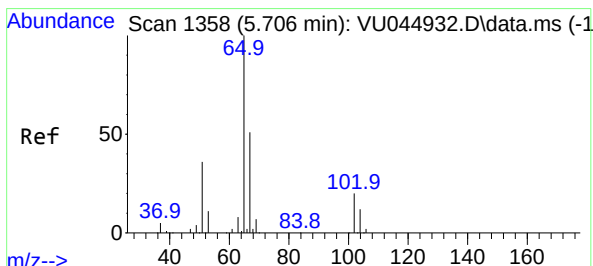
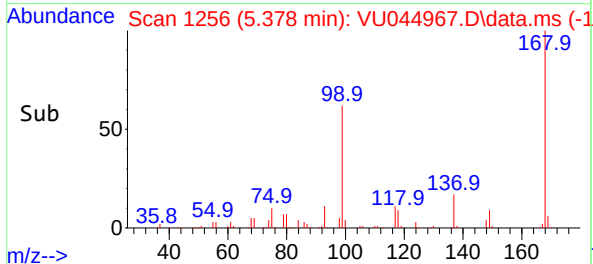
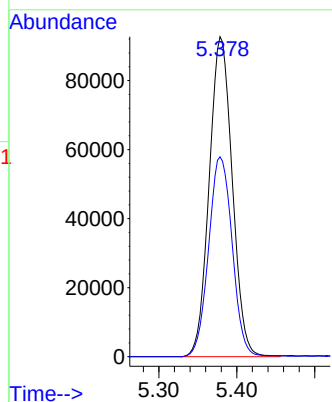


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.378 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

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ClientSampleId :  
EP-1-FD-001-0921DL

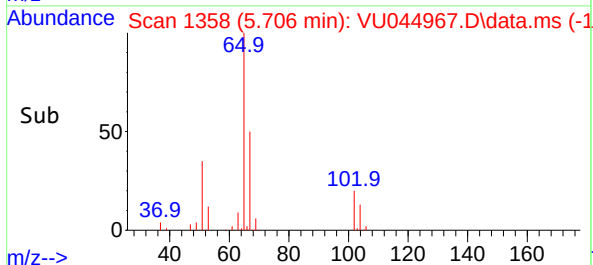
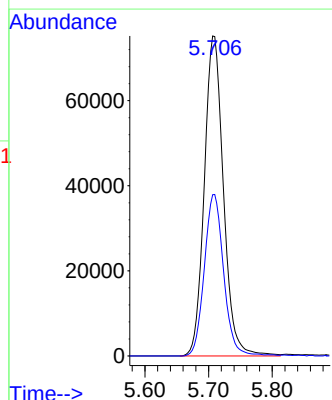
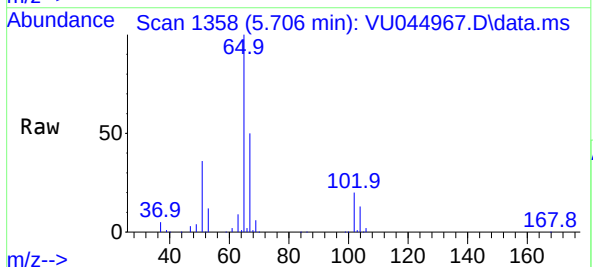


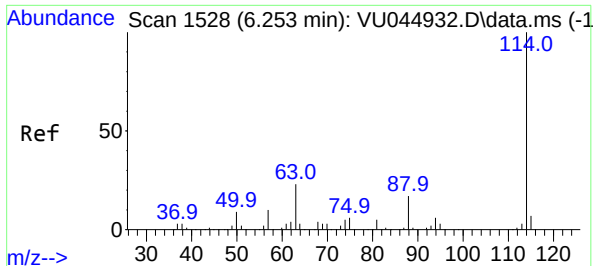
Tgt Ion:168 Resp: 190622  
Ion Ratio Lower Upper  
168 100  
99 62.5 51.4 77.0



#33  
1,2-Dichloroethane-d4  
Concen: 49.63 ug/l  
RT: 5.706 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

Tgt Ion: 65 Resp: 157475  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.253 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU044967.D

Acq: 29 Sep 2021 02:08

Instrument :

MSVOA\_U

ClientSampleId :

EP-1-FD-001-0921DL

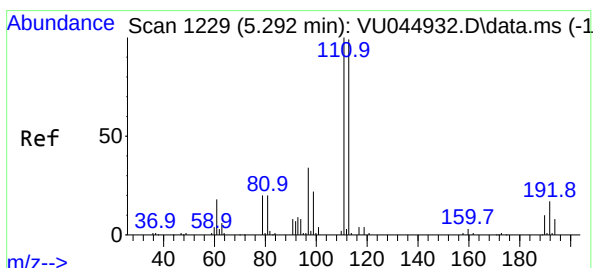
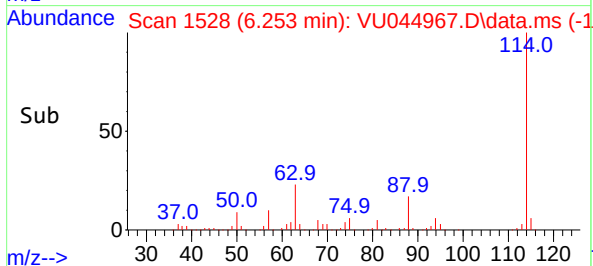
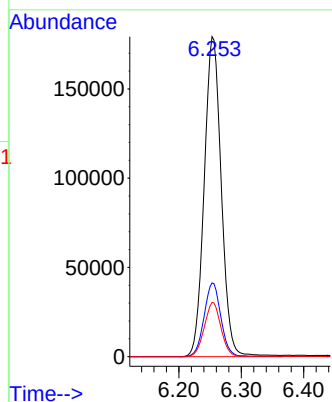
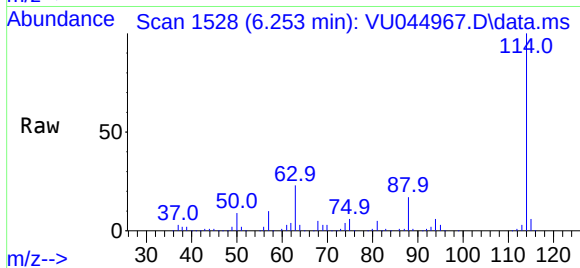
Tgt Ion:114 Resp: 341263

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.8

88 16.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.92 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU044967.D

Acq: 29 Sep 2021 02:08

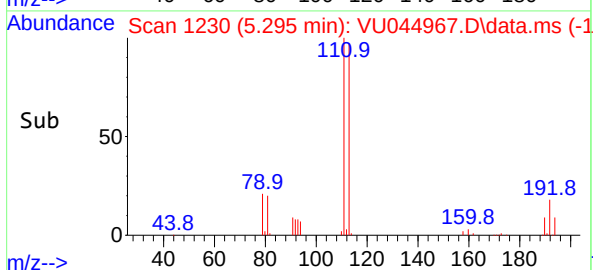
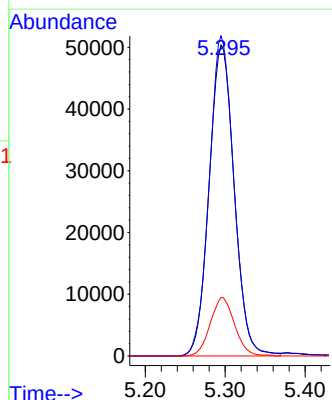
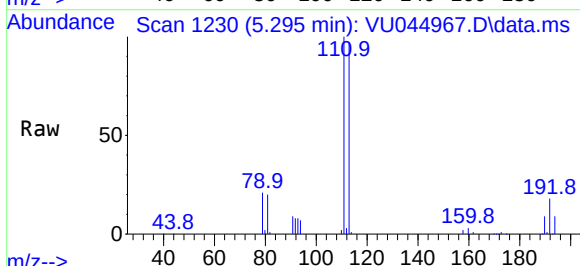
Tgt Ion:113 Resp: 109617

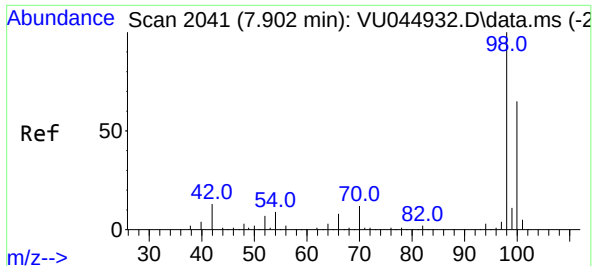
Ion Ratio Lower Upper

113 100

111 101.5 84.1 126.1

192 18.3 14.8 22.2

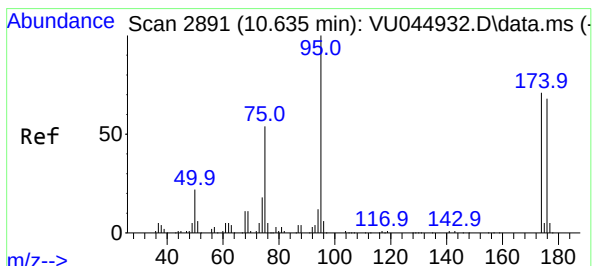
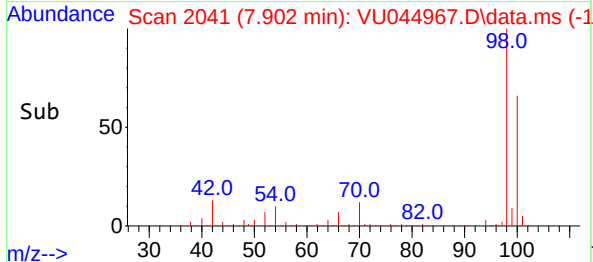
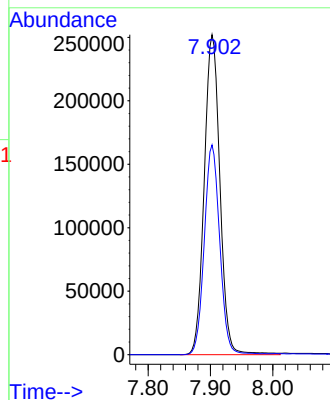
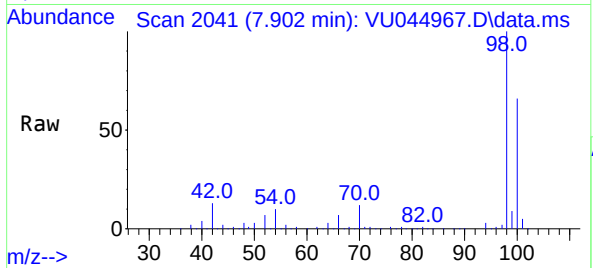




#50  
Toluene-d8  
Concen: 51.94 ug/l  
RT: 7.902 min Scan# 2041  
Delta R.T. 0.000 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

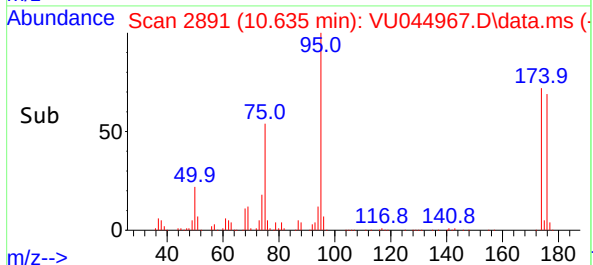
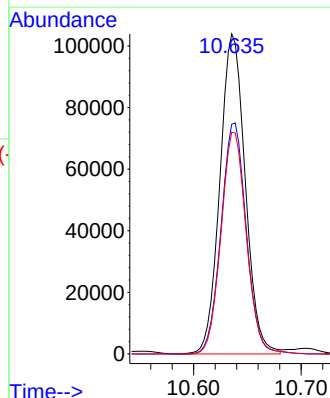
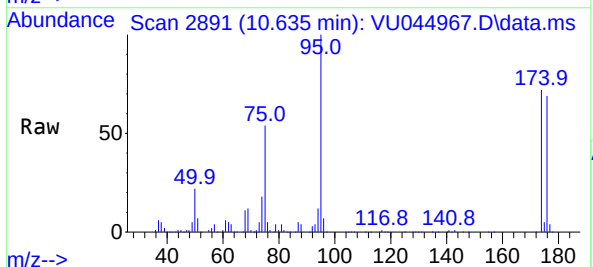
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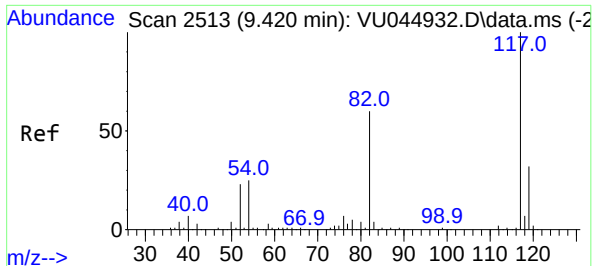
Tgt Ion: 98 Resp: 441816  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 48.38 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.000 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

Tgt Ion: 95 Resp: 169915  
Ion Ratio Lower Upper  
95 100  
174 72.0 0.0 146.6  
176 69.2 0.0 141.2

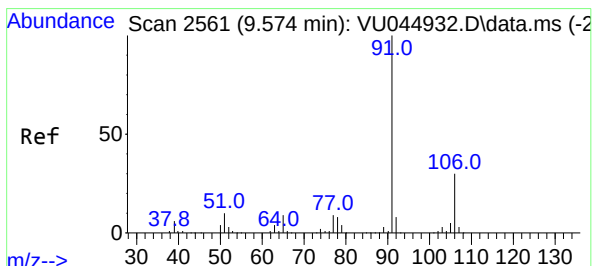
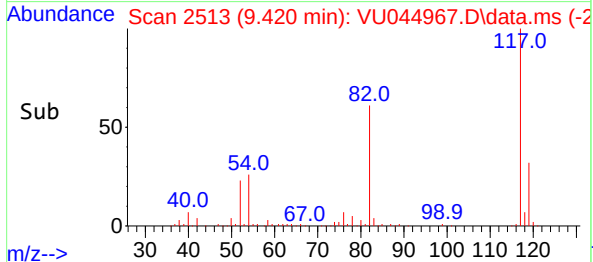
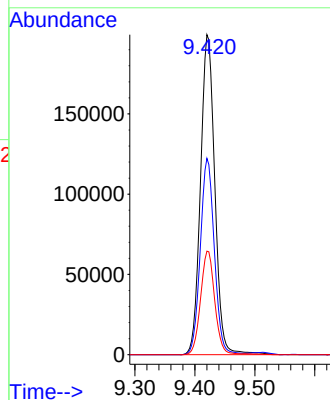
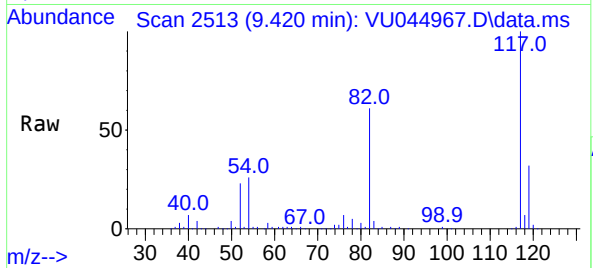




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

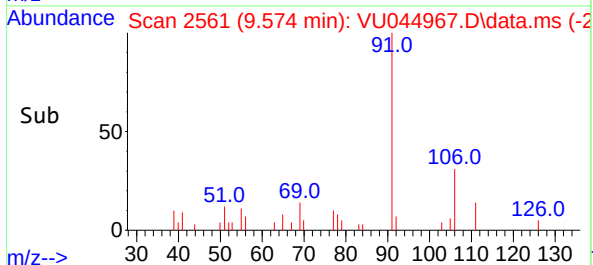
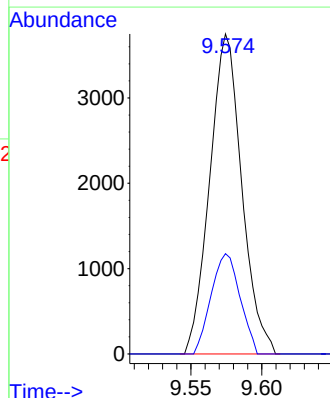
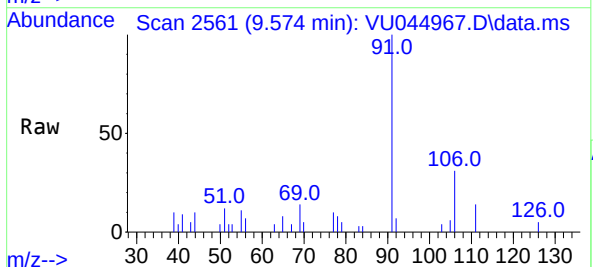
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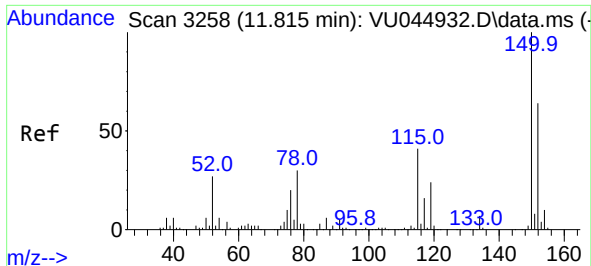
Tgt Ion:117 Resp: 332352  
Ion Ratio Lower Upper  
117 100  
82 61.3 47.8 71.8  
119 32.4 25.8 38.6



#67  
Ethyl Benzene  
Concen: 0.46 ug/l  
RT: 9.574 min Scan# 2561  
Delta R.T. 0.000 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

Tgt Ion: 91 Resp: 5891  
Ion Ratio Lower Upper  
91 100  
106 31.3 24.3 36.5

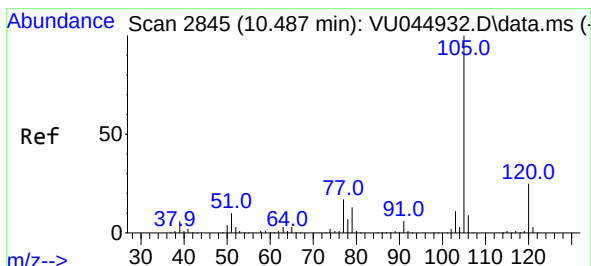
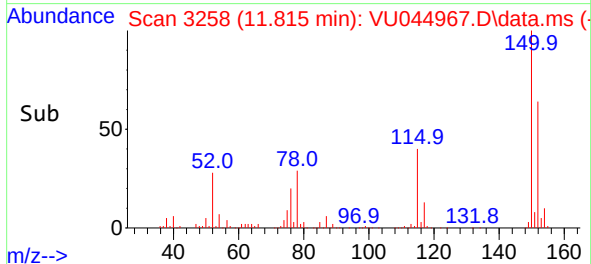
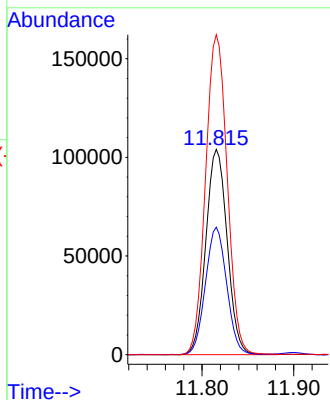
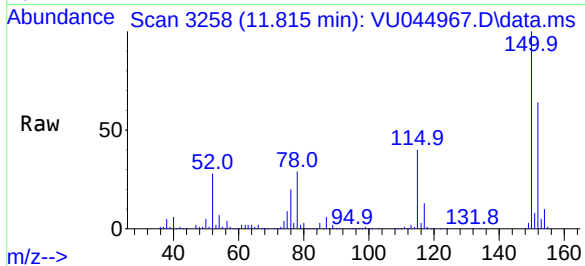




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.815 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

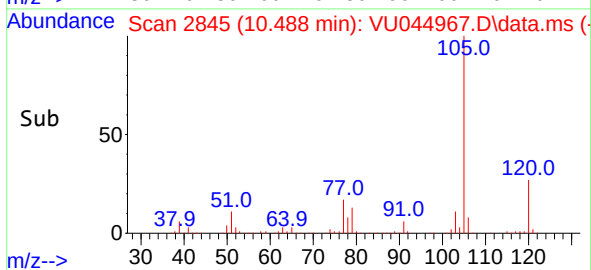
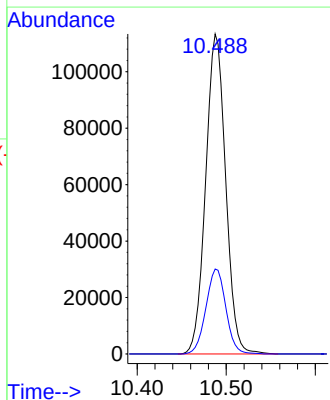
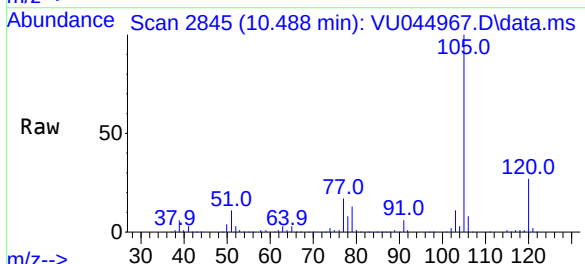
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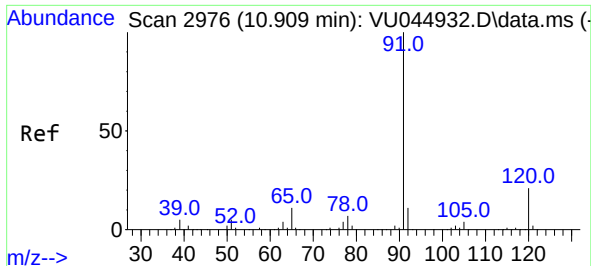
Tgt Ion:152 Resp: 168454  
Ion Ratio Lower Upper  
152 100  
115 61.7 43.5 130.7  
150 157.7 0.0 350.0



#73  
Isopropylbenzene  
Concen: 14.07 ug/l  
RT: 10.488 min Scan# 2845  
Delta R.T. 0.001 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

Tgt Ion:105 Resp: 176508  
Ion Ratio Lower Upper  
105 100  
120 26.5 12.8 38.3

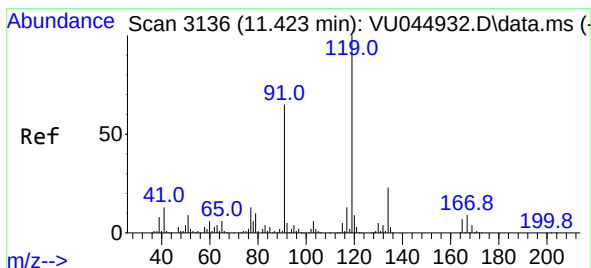
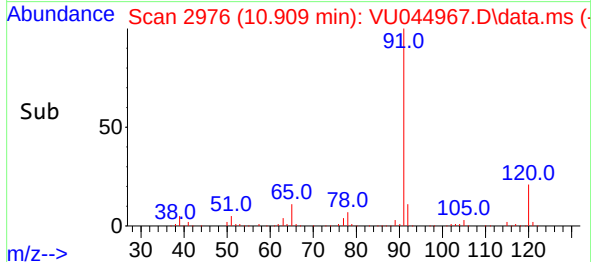
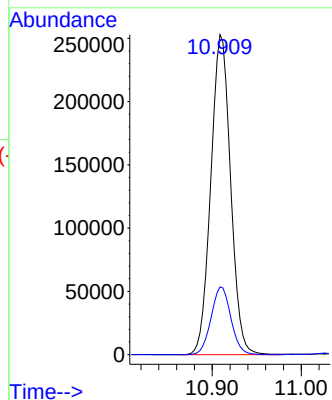
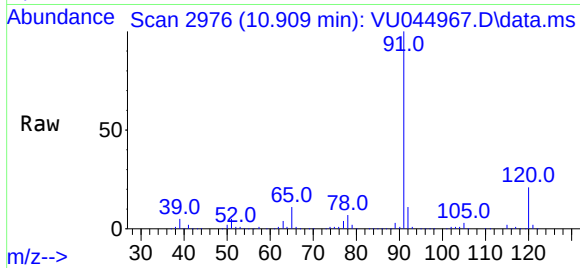




#78  
n-propylbenzene  
Concen: 25.47 ug/l  
RT: 10.909 min Scan# 2976  
Delta R.T. -0.000 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

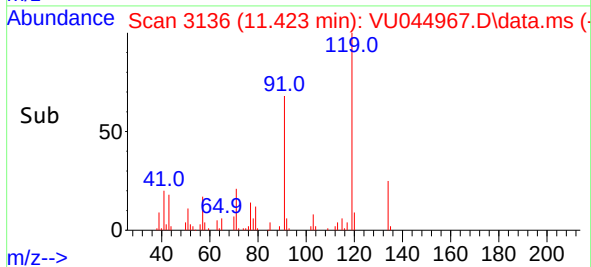
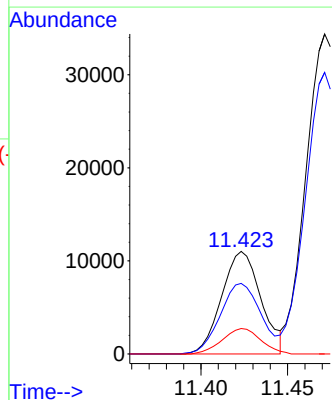
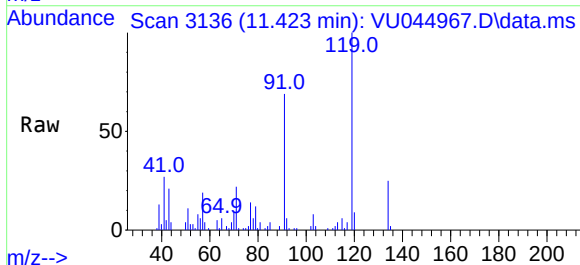
Instrument :  
MSVOA\_U  
ClientSampleId :  
EP-1-FD-001-0921DL

Tgt Ion: 91 Resp: 389302  
Ion Ratio Lower Upper  
91 100  
120 21.2 10.8 32.4

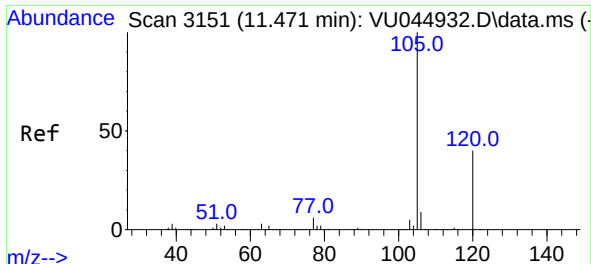


#83  
tert-Butylbenzene  
Concen: 1.63 ug/l  
RT: 11.423 min Scan# 3136  
Delta R.T. 0.000 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

Tgt Ion: 119 Resp: 17383  
Ion Ratio Lower Upper  
119 100  
91 69.9 30.4 91.2  
134 24.3 11.5 34.5



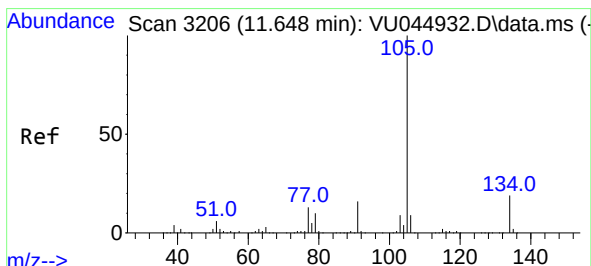
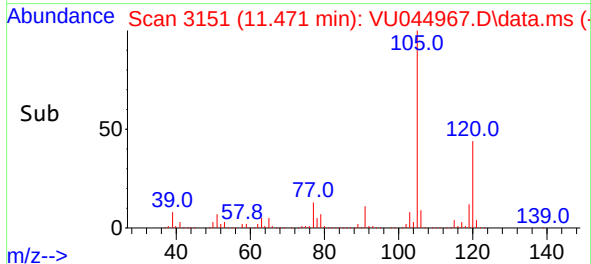
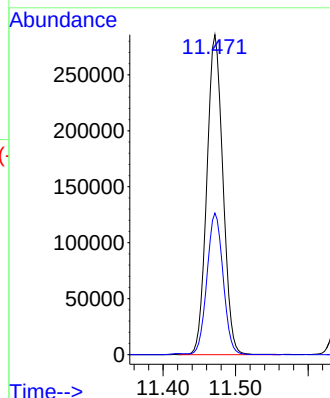
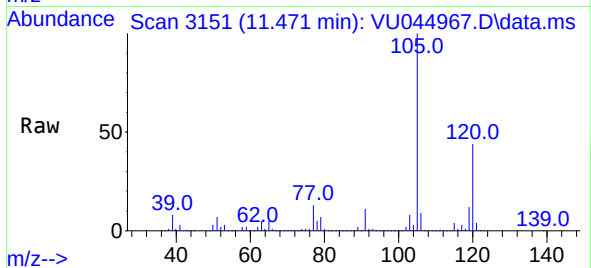




#84  
1,2,4-Trimethylbenzene  
Concen: 40.53 ug/l  
RT: 11.471 min Scan# 3151  
Delta R.T. 0.000 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

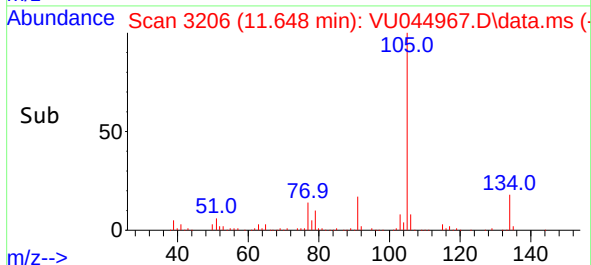
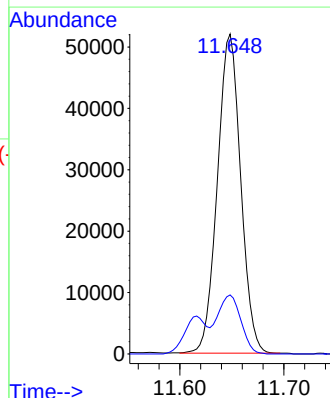
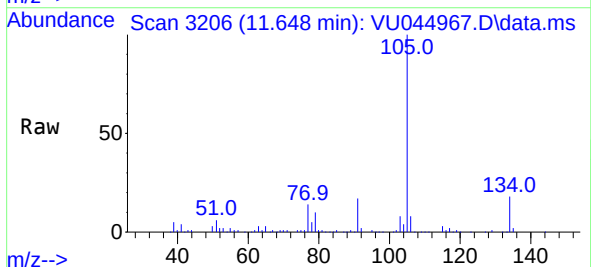
Instrument :  
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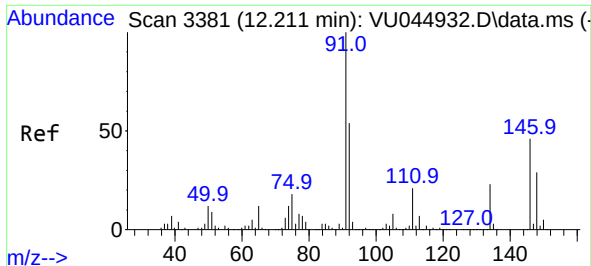
Tgt Ion:105 Resp: 440703  
Ion Ratio Lower Upper  
105 100  
120 44.4 22.4 67.3



#85  
sec-Butylbenzene  
Concen: 5.89 ug/l  
RT: 11.648 min Scan# 3206  
Delta R.T. 0.000 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

Tgt Ion:105 Resp: 81059  
Ion Ratio Lower Upper  
105 100  
134 18.5 9.3 28.0

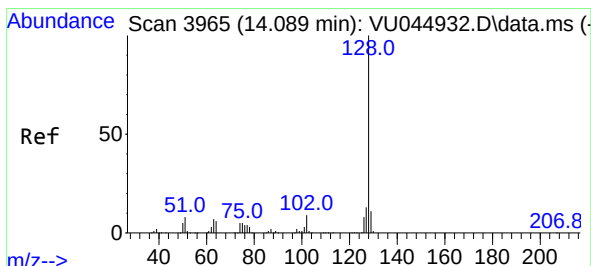
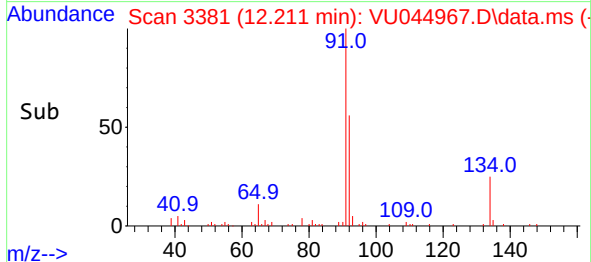
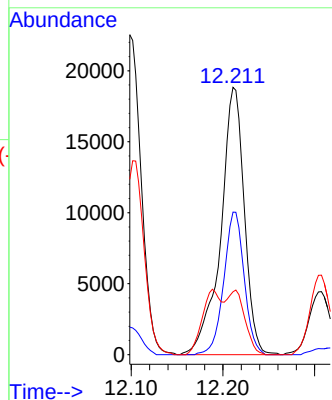
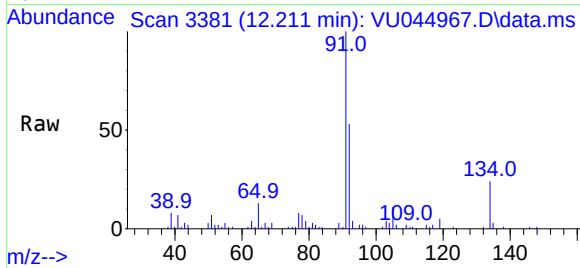




#89  
n-Butylbenzene  
Concen: 3.30 ug/l  
RT: 12.211 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
EP-1-FD-001-0921DL

Tgt Ion: 91 Resp: 33663  
Ion Ratio Lower Upper  
91 100  
92 46.0 26.8 80.4  
134 0.0 11.8 35.4#



#95  
Naphthalene  
Concen: 0.79 ug/l  
RT: 14.092 min Scan# 3966  
Delta R.T. 0.003 min  
Lab File: VU044967.D  
Acq: 29 Sep 2021 02:08

Tgt Ion:128 Resp: 9861  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.4 15.6  
129 12.9 8.6 13.0

