

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100618\  
 Data File : VU027464.D  
 Acq On : 05 Oct 2018 19:33  
 Operator : MD/SY  
 Sample : J5165-09DL 20X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EP-MW-H-092718DL

Quant Time: Oct 06 01:36:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:04:34 2018  
 Response via : Initial Calibration

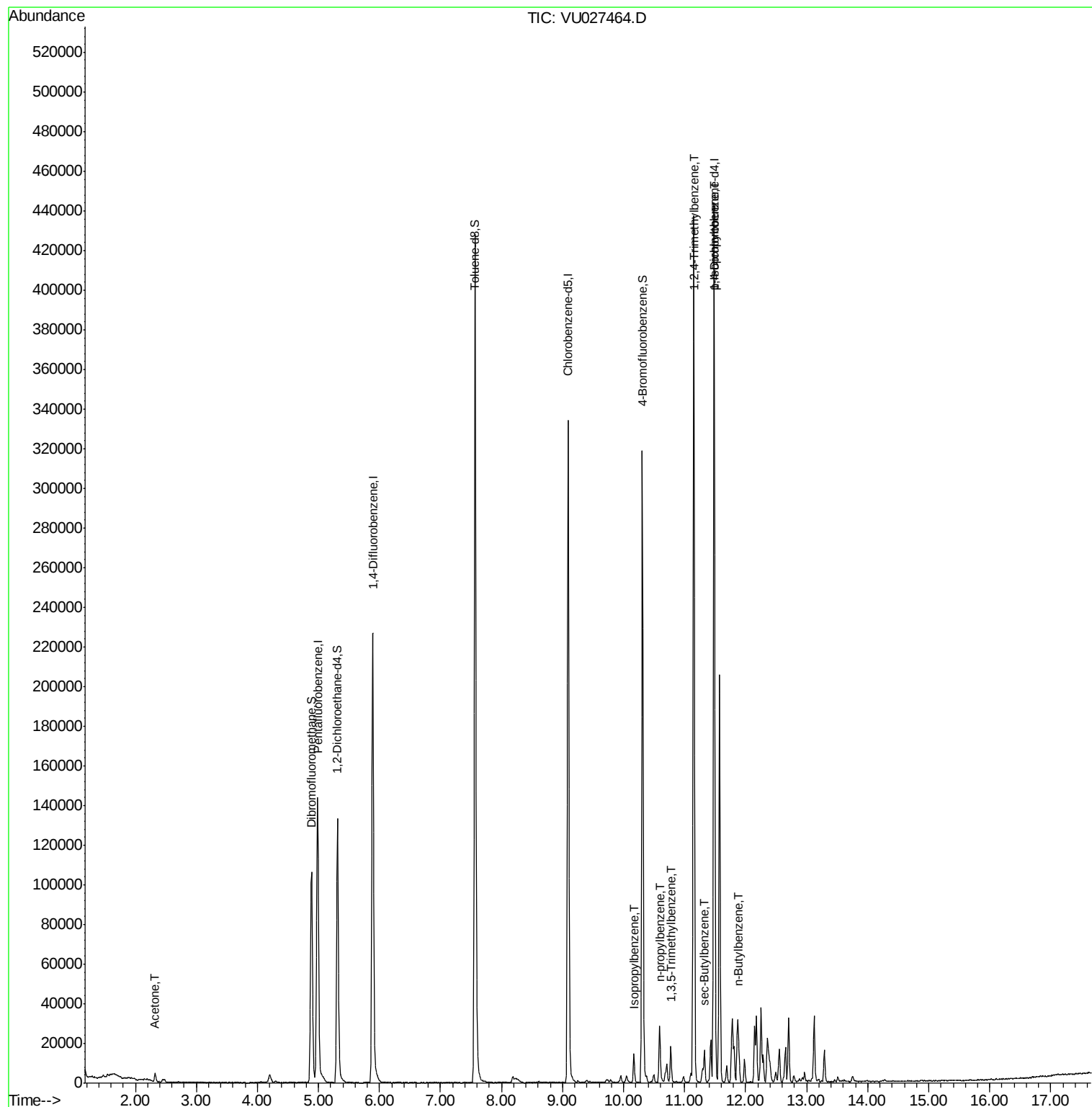
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 112477   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 188320   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 183574   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 105946   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 105213   | 56.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.04% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 74820    | 57.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.94% |          |
| 50) Toluene-d8              | 7.57  | 98   | 291571   | 60.36  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 120.72% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 109207   | 60.83  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 121.66% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.32  | 43   | 4653     | 4.194  | ug/l    | 97       |
| 73) Isopropylbenzene        | 10.17 | 105  | 9697     | 1.260  | ug/l    | 97       |
| 78) n-propylbenzene         | 10.59 | 91   | 22200    | 2.401  | ug/l    | 100      |
| 80) 1,3,5-Trimethylbenzene  | 10.77 | 105  | 9419     | 1.504  | ug/l    | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.15 | 105  | 227971   | 35.624 | ug/l    | 100      |
| 85) sec-Butylbenzene        | 11.32 | 105  | 11471    | 1.503  | ug/l    | 100      |
| 86) p-Isopropyltoluene      | 11.48 | 119  | 11448    | 1.752  | ug/l    | 97       |
| 89) n-Butylbenzene          | 11.89 | 91   | 8588     | 3.140  | ug/l #  | 53       |

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

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EP-MW-H-092718DL

Quant Time: Oct 06 01:36:20 2018  
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Quant Title : SW846 8260  
QLast Update : Tue Oct 02 02:04:34 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027464.D

Acq: 05 Oct 2018 19:33

Instrument :

MSVOA\_U

ClientSampleId :

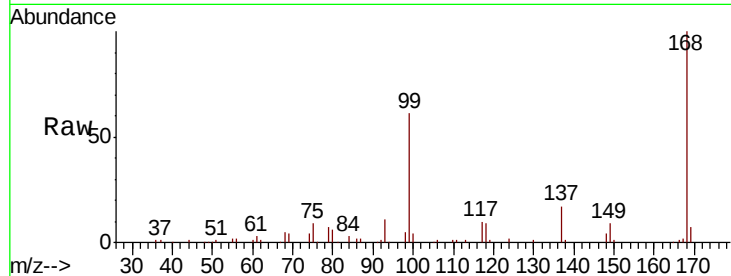
EP-MW-H-092718DL

Tot Ion:168 Resp: 112477

Ion Ratio Lower Upper

168 100

99 60.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

50000

40000

30000

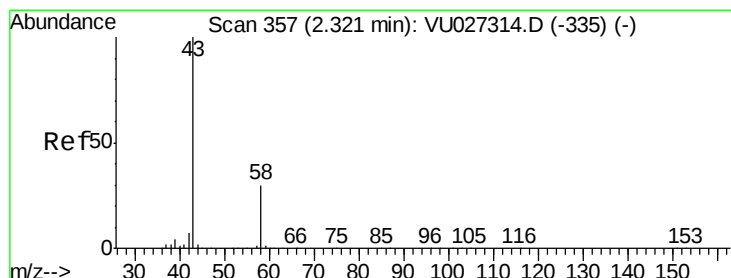
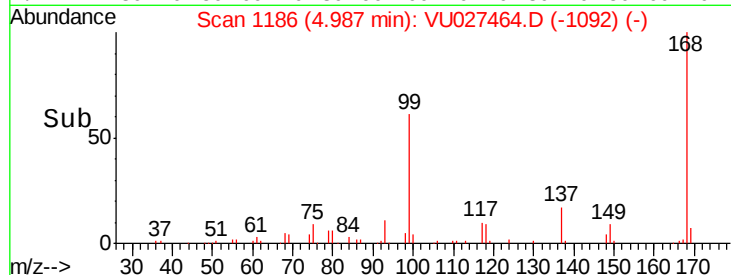
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#16

Acetone

Concen: 4.194 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027464.D

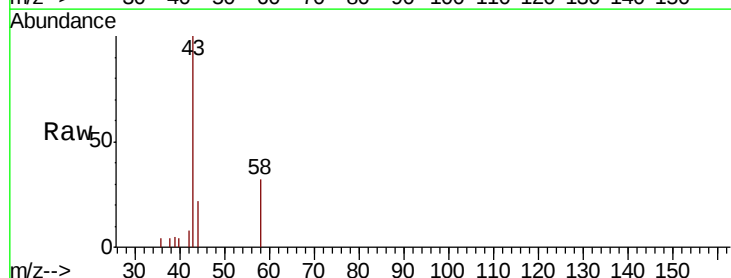
Acq: 05 Oct 2018 19:33

Tgt Ion: 43 Resp: 4653

Ion Ratio Lower Upper

43 100

58 31.9 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-335) (-)

2.32

3000

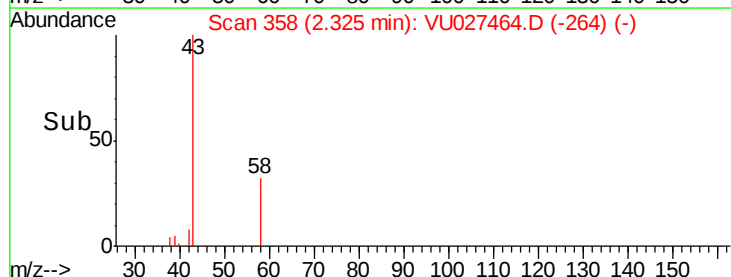
2000

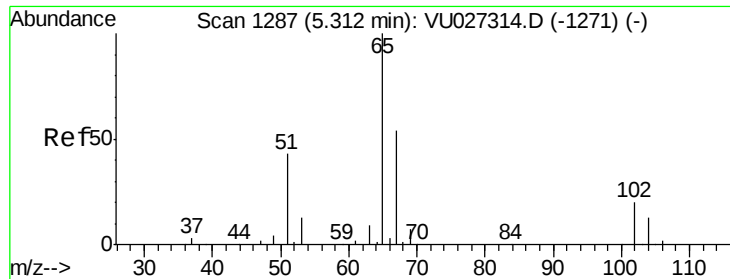
1000

0

Time-->

2.30 2.35

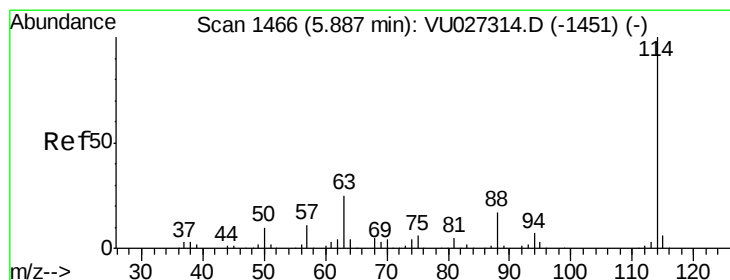
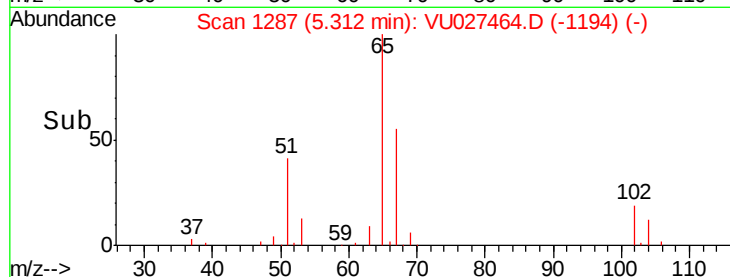
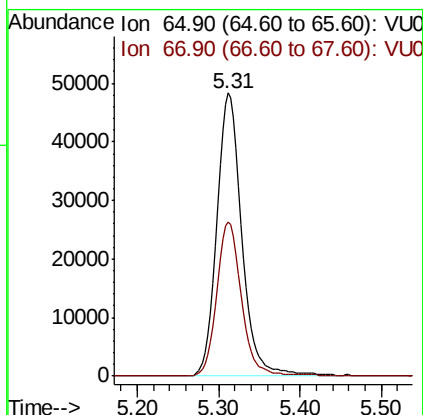
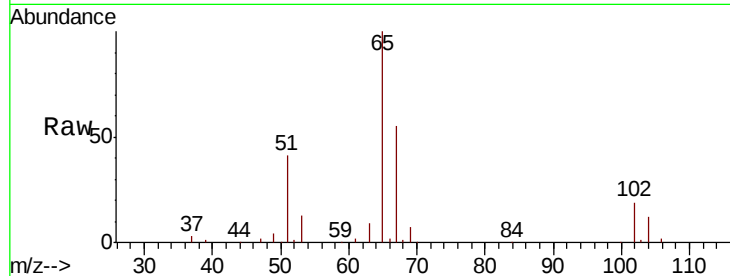




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.019 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: VU027464.D  
 Acq: 05 Oct 2018 19:33

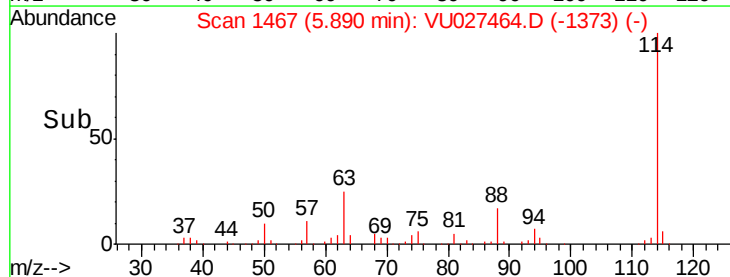
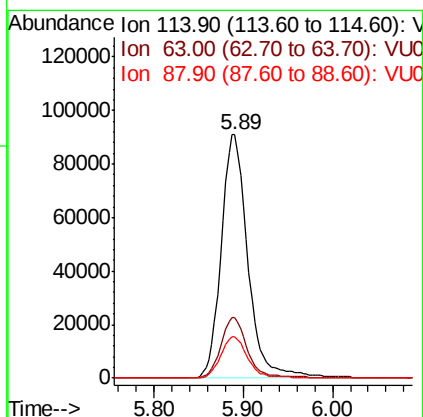
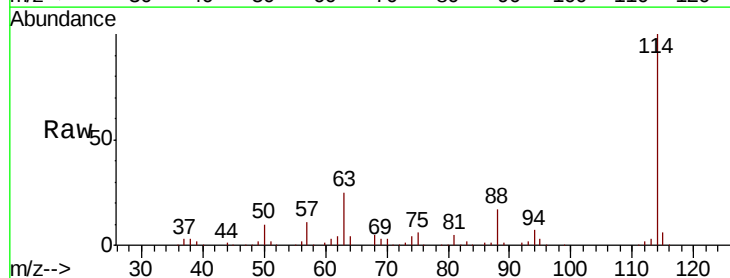
Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 EP-MW-H-092718DL

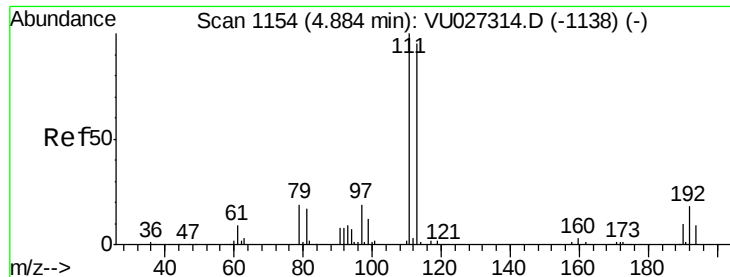
Tot Ion: 65 Resp: 105213  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 107.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1467  
 Delta R.T. 0.00 min  
 Lab File: VU027464.D  
 Acq: 05 Oct 2018 19:33

Tgt Ion: 114 Resp: 188320  
 Ion Ratio Lower Upper  
 114 100  
 63 24.7 0.0 50.2  
 88 17.2 0.0 33.8

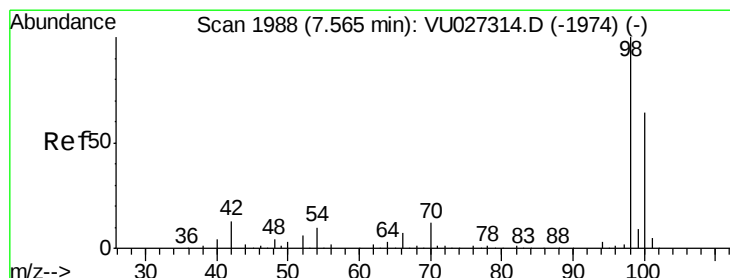
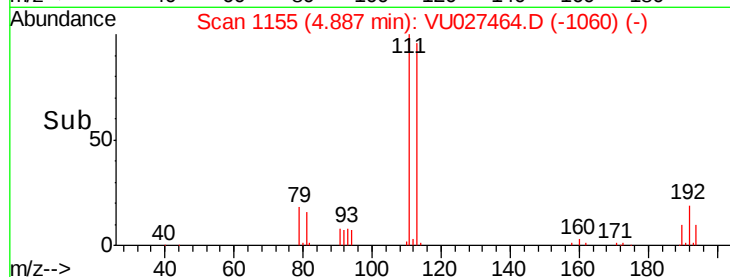
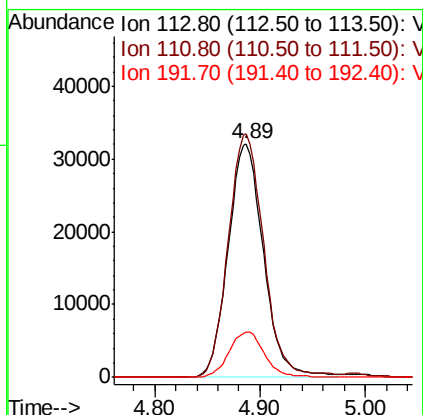
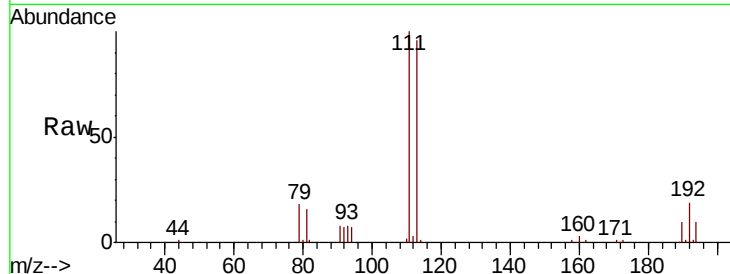




#35  
 Dibromofluoromethane  
 Concen: 57.972 ug/l  
 RT: 4.89 min Scan# 1155  
 Delta R.T. 0.00 min  
 Lab File: VU027464.D  
 Acq: 05 Oct 2018 19:33

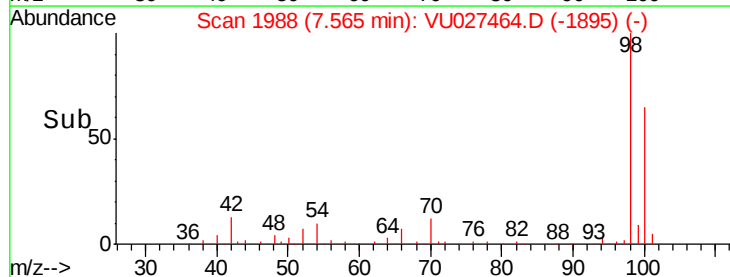
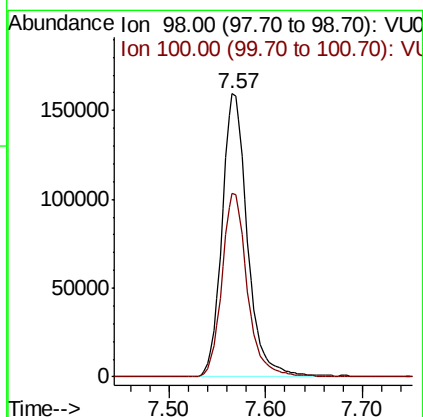
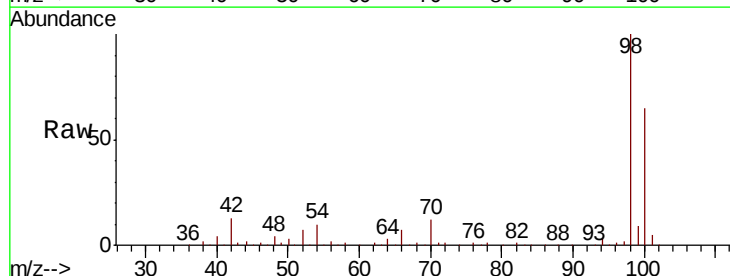
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EP-MW-H-092718DL

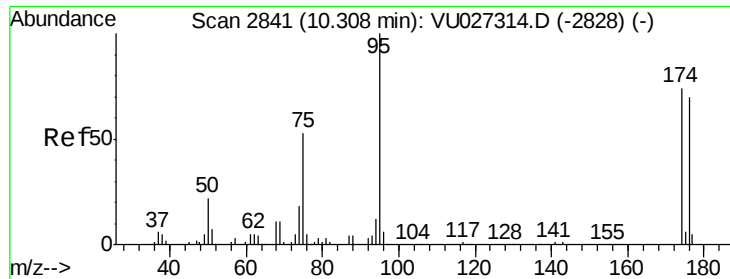
Tot Ion:113 Resp: 74820  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 83.1 124.7  
 192 19.5 15.4 23.0



#50  
 Toluene-d8  
 Concen: 60.362 ug/l  
 RT: 7.57 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VU027464.D  
 Acq: 05 Oct 2018 19:33

Tgt Ion: 98 Resp: 291571  
 Ion Ratio Lower Upper  
 98 100  
 100 64.7 52.1 78.1

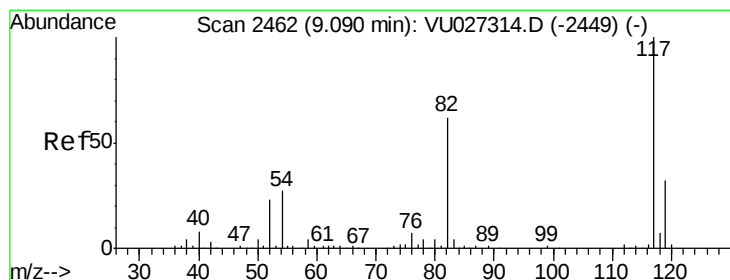
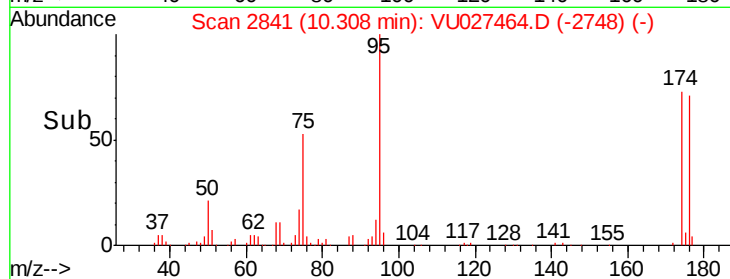
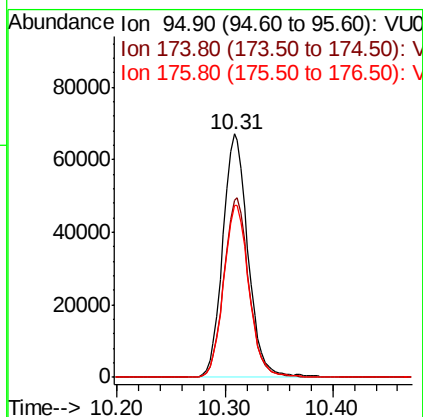
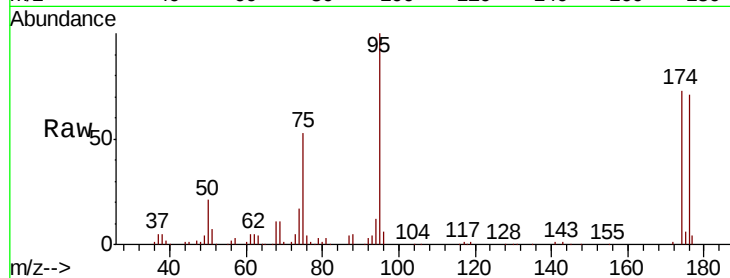




#62  
 4-Bromofluorobenzene  
 Concen: 60.834 ug/l  
 RT: 10.31 min Scan# 2841  
 Delta R.T. 0.00 min  
 Lab File: VU027464.D  
 Acq: 05 Oct 2018 19:33

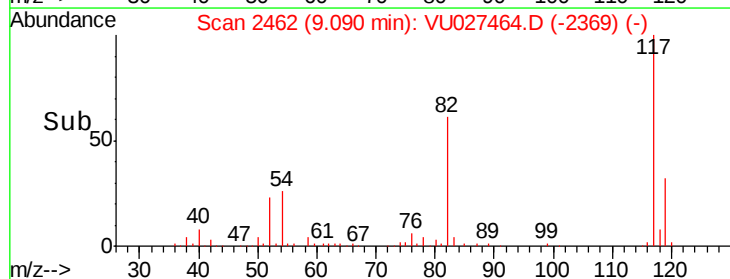
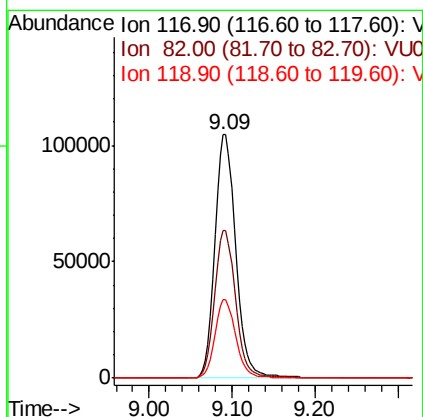
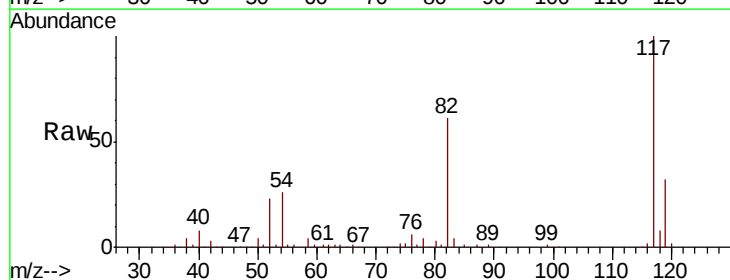
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 ClientSampleId :  
 EP-MW-H-092718DL

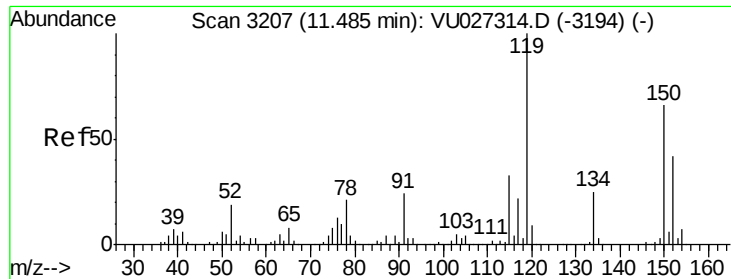
Tot Ion: 95 Resp: 109207  
 Ion Ratio Lower Upper  
 95 100  
 174 73.4 0.0 147.8  
 176 71.1 0.0 140.8



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.09 min Scan# 2462  
 Delta R.T. 0.00 min  
 Lab File: VU027464.D  
 Acq: 05 Oct 2018 19:33

Tgt Ion: 117 Resp: 183574  
 Ion Ratio Lower Upper  
 117 100  
 82 60.8 49.2 73.8  
 119 32.4 25.7 38.5



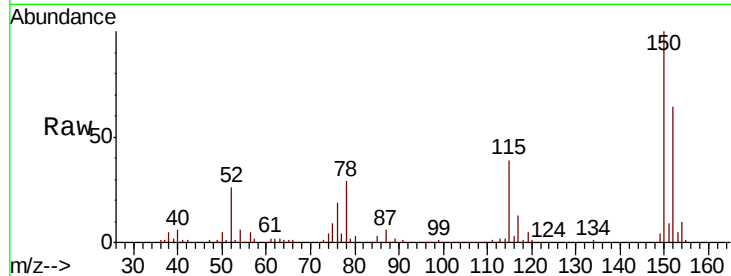


#72

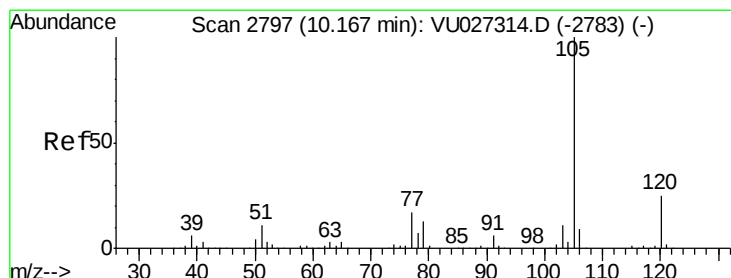
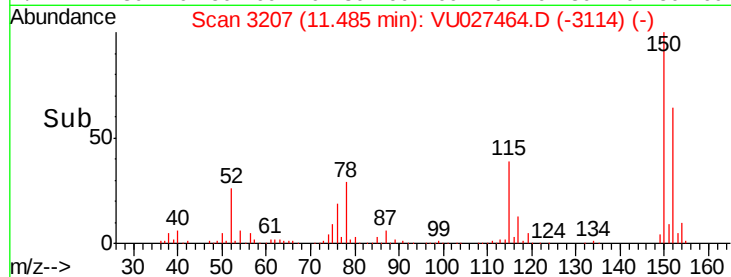
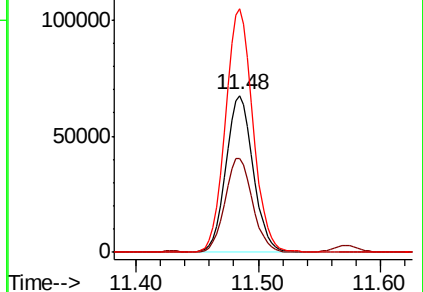
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. -0.00 min  
Lab File: VU027464.D  
Acq: 05 Oct 2018 19:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
EP-MW-H-092718DL

Tot Ion:152 Resp: 105946  
Ion Ratio Lower Upper  
152 100  
115 60.1 43.4 130.2  
150 156.3 0.0 349.2



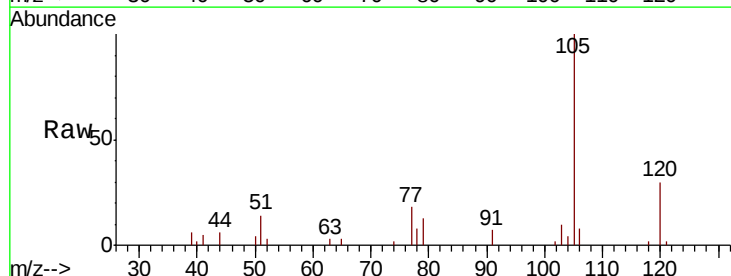
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



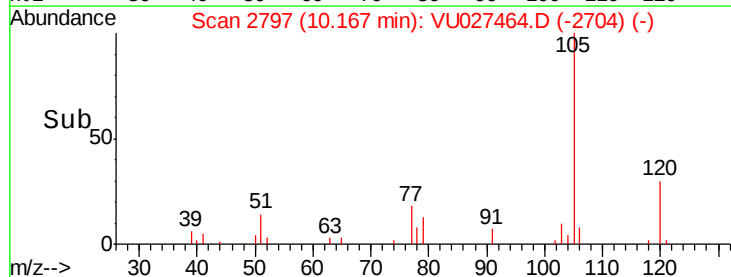
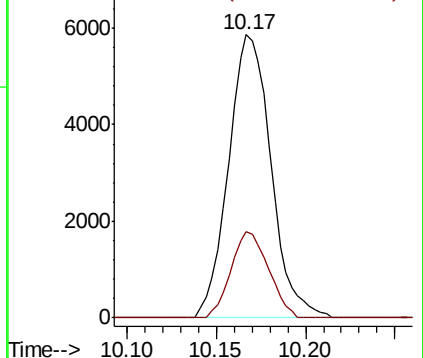
#73

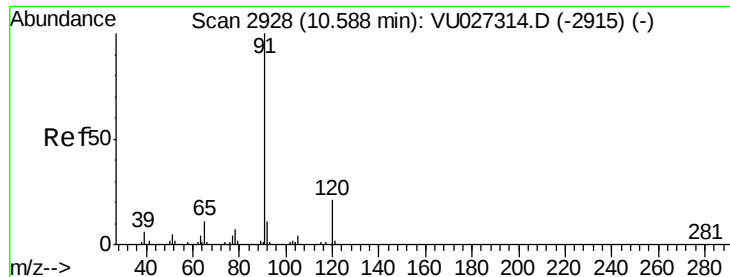
Isopropylbenzene  
Concen: 1.260 ug/l  
RT: 10.17 min Scan# 2797  
Delta R.T. 0.00 min  
Lab File: VU027464.D  
Acq: 05 Oct 2018 19:33

Tgt Ion:105 Resp: 9697  
Ion Ratio Lower Upper  
105 100  
120 26.9 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.401 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027464.D

Acq: 05 Oct 2018 19:33

Instrument :

MSVOA\_U

ClientSampleId :

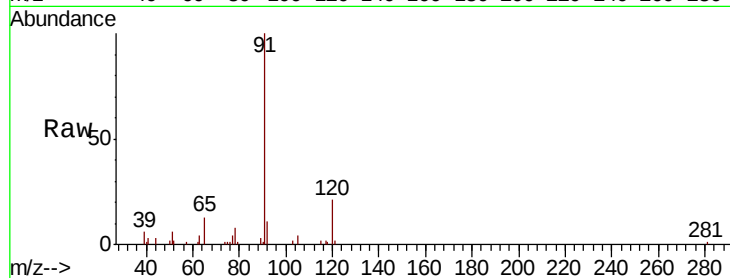
EP-MW-H-092718DL

Tot Ion: 91 Resp: 22200

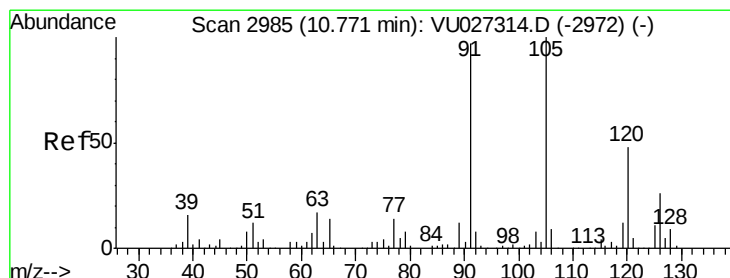
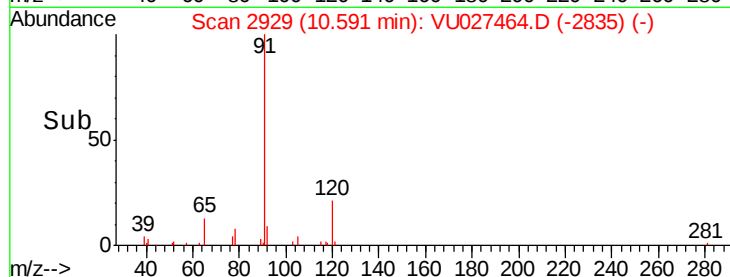
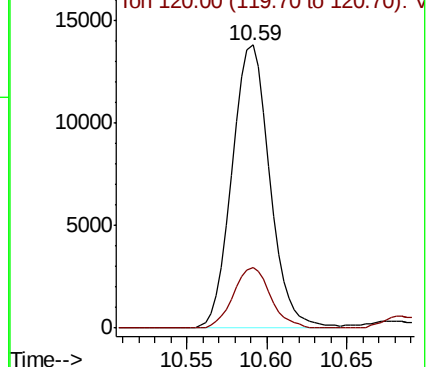
Ion Ratio Lower Upper

91 100

120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2915) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.504 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027464.D

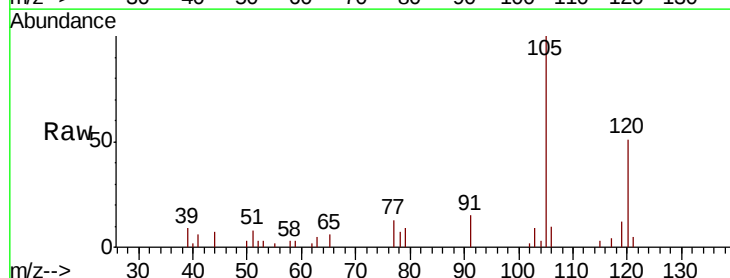
Acq: 05 Oct 2018 19:33

Tgt Ion: 105 Resp: 9419

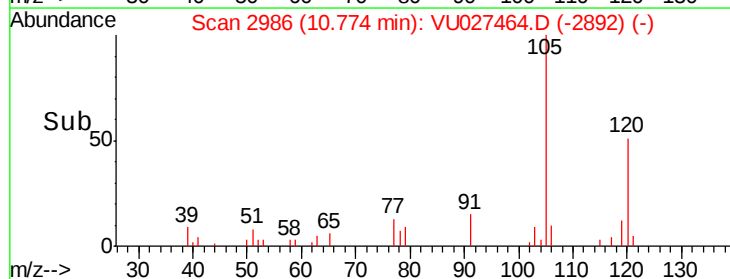
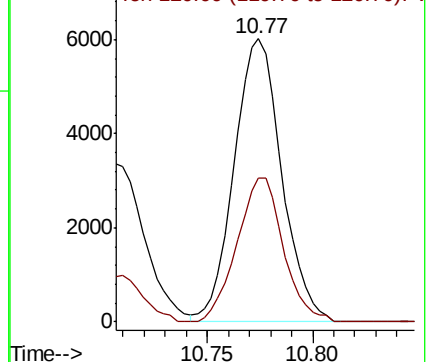
Ion Ratio Lower Upper

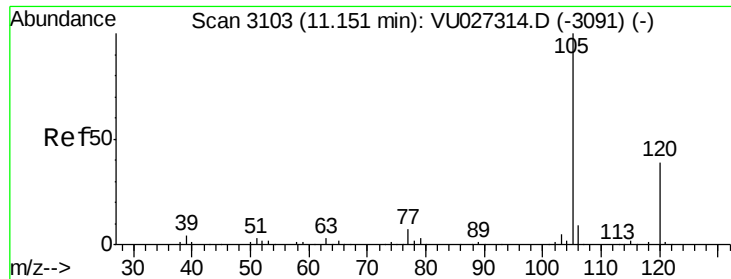
105 100

120 49.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027314.D (-2972) (-)

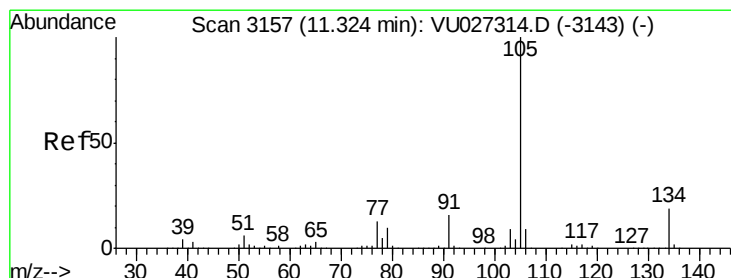
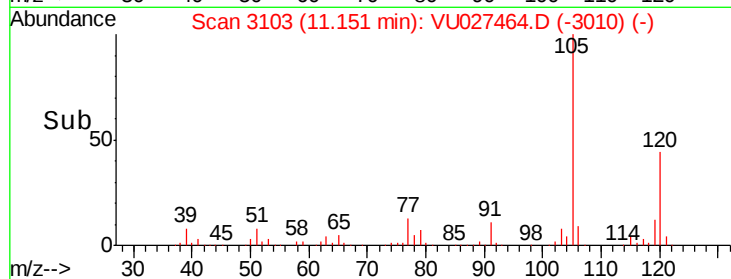
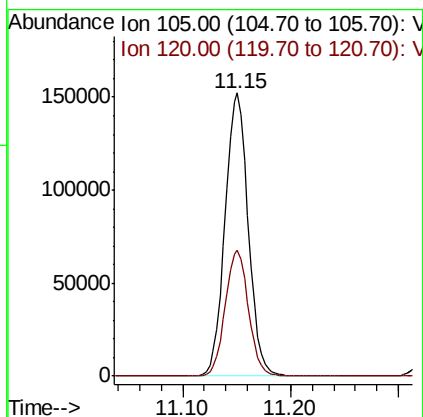
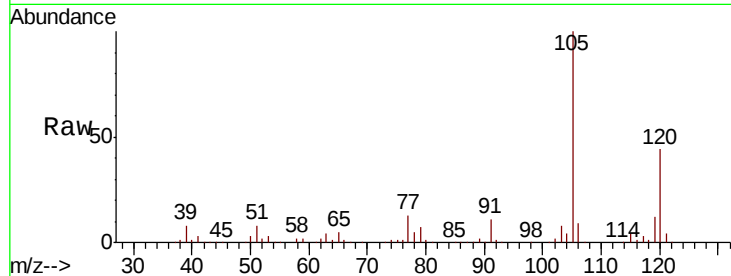




#84  
 1,2,4-Trimethylbenzene  
 Concen: 35.624 ug/l  
 RT: 11.15 min Scan# 3103  
 Delta R.T. 0.00 min  
 Lab File: VU027464.D  
 Acq: 05 Oct 2018 19:33

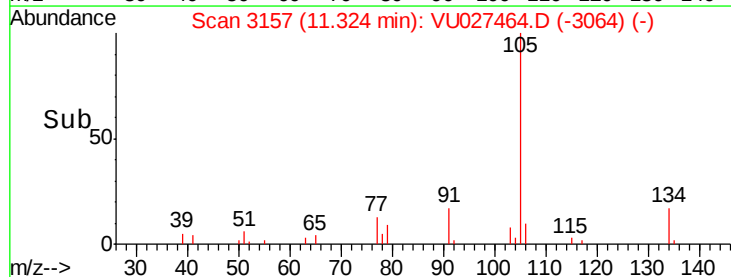
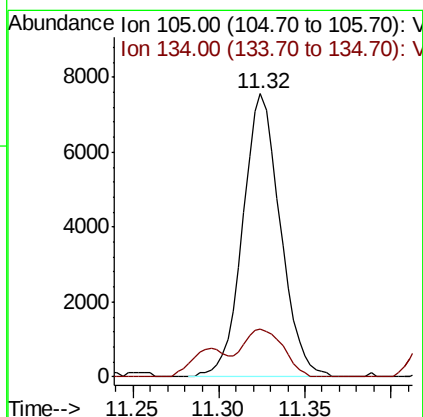
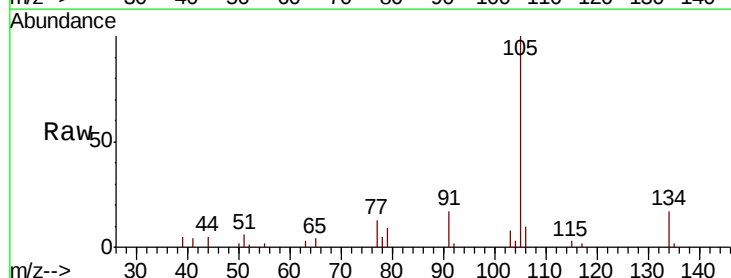
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EP-MW-H-092718DL

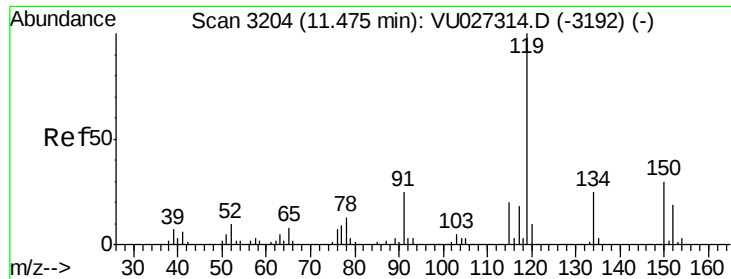
Tot Ion:105 Resp: 227971  
 Ion Ratio Lower Upper  
 105 100  
 120 44.6 22.1 66.5



#85  
 sec-Butylbenzene  
 Concen: 1.503 ug/l  
 RT: 11.32 min Scan# 3157  
 Delta R.T. -0.00 min  
 Lab File: VU027464.D  
 Acq: 05 Oct 2018 19:33

Tgt Ion:105 Resp: 11471  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 9.6 28.6

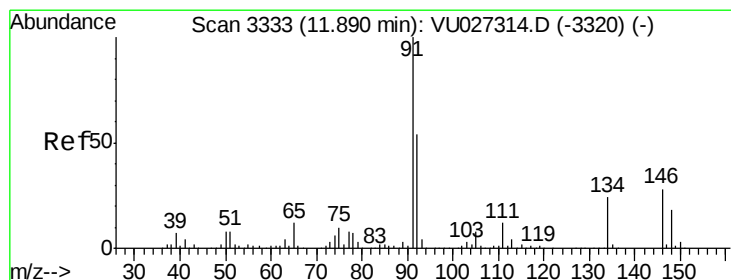
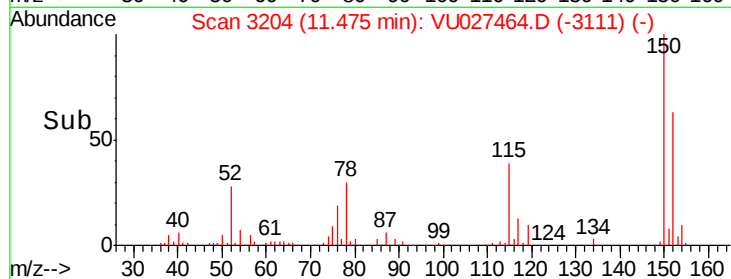
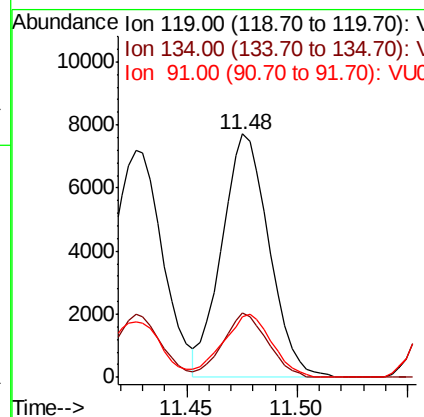
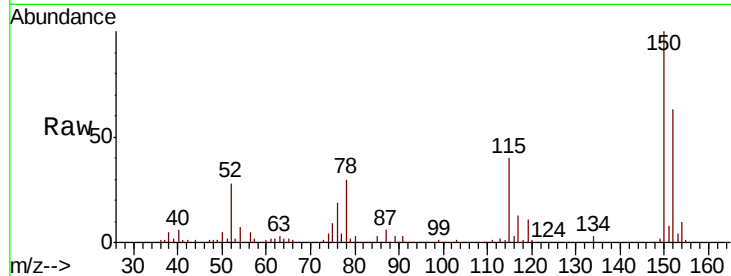




#86  
 p-Isopropyltoluene  
 Concen: 1.752 ug/l  
 RT: 11.48 min Scan# 3204  
 Delta R.T. -0.00 min  
 Lab File: VU027464.D  
 Acq: 05 Oct 2018 19:33

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EP-MW-H-092718DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 24.9  | 12.7  | 38.1  |
| 91      | 26.9  | 12.2  | 36.4  |



#89  
 n-Butylbenzene  
 Concen: 3.140 ug/l  
 RT: 11.89 min Scan# 3333  
 Delta R.T. 0.00 min  
 Lab File: VU027464.D  
 Acq: 05 Oct 2018 19:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 38.4  | 27.0  | 81.0  |
| 134     | 74.8  | 11.7  | 35.1  |

