

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070919\  
 Data File : VX010756.D  
 Acq On : 09 Jul 2019 17:21  
 Operator : JC/SP  
 Sample : K3690-07DL 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS038MW009-190703DL

Quant Time: Jul 10 04:20:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

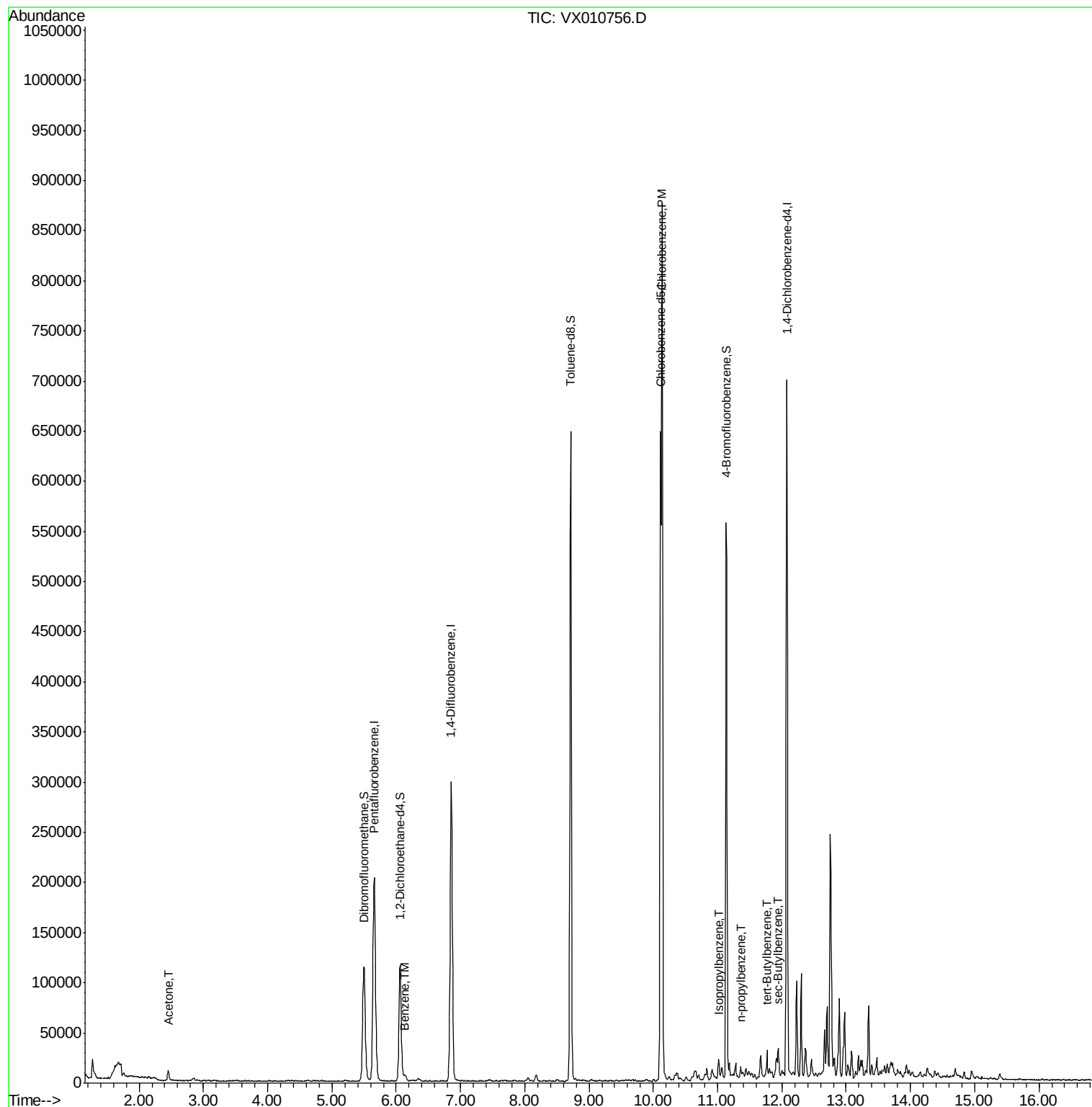
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 211345   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 326898   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 311290   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 150904   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 105200   | 53.09  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.18% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 97616    | 48.81  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.62%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 394468   | 51.55  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.10% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 142070   | 51.43  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.86% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 11321    | 11.400 | ug/l    | 93       |
| 40) Benzene                 | 6.14  | 78   | 6033     | 0.745  | ug/l #  | 90       |
| 65) Chlorobenzene           | 10.14 | 112  | 394659   | 62.448 | ug/l    | 98       |
| 73) Isopropylbenzene        | 11.02 | 105  | 9860     | 0.964  | ug/l    | 99       |
| 78) n-propylbenzene         | 11.36 | 91   | 7056     | 0.628  | ug/l    | 99       |
| 83) tert-Butylbenzene       | 11.77 | 119  | 9816     | 1.160  | ug/l    | 83       |
| 85) sec-Butylbenzene        | 11.94 | 105  | 12164    | 1.224  | ug/l    | 96       |

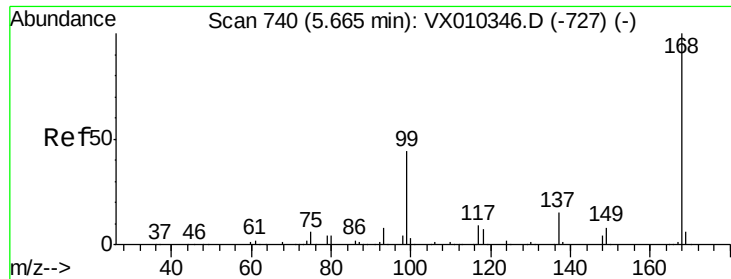
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010756.D

Acq: 09 Jul 2019 17:21

Instrument :

MSVOA\_X

ClientSampleId :

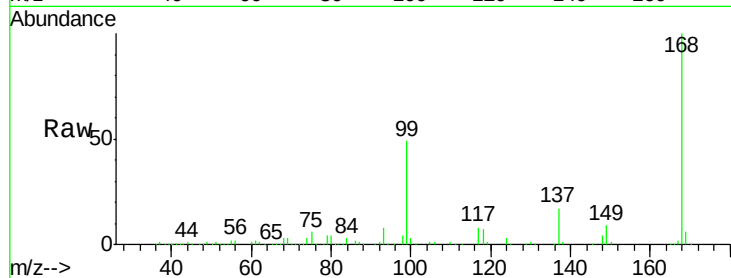
SS038MW009-190703DL

Tot Ion:168 Resp: 211345

Ion Ratio Lower Upper

168 100

99 48.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

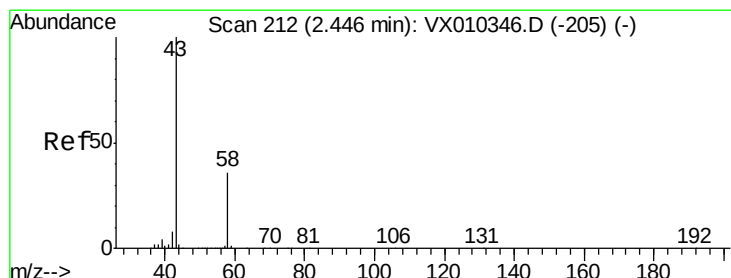
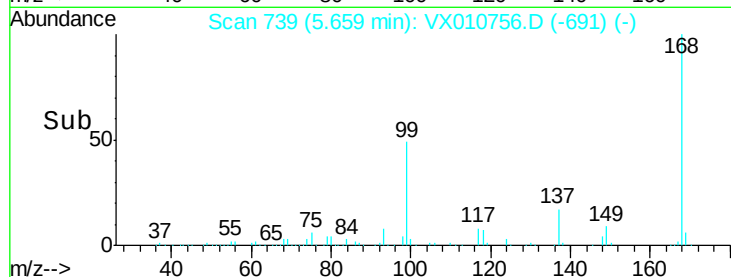
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 11.400 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010756.D

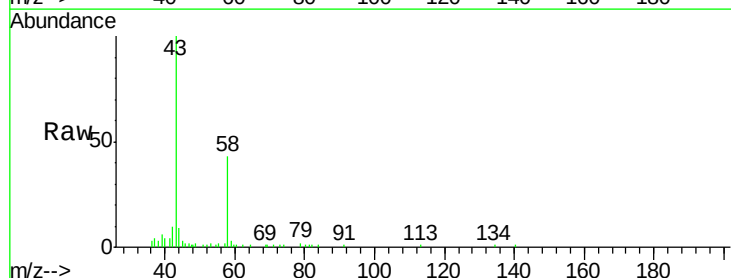
Acq: 09 Jul 2019 17:21

Tgt Ion: 43 Resp: 11321

Ion Ratio Lower Upper

43 100

58 40.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

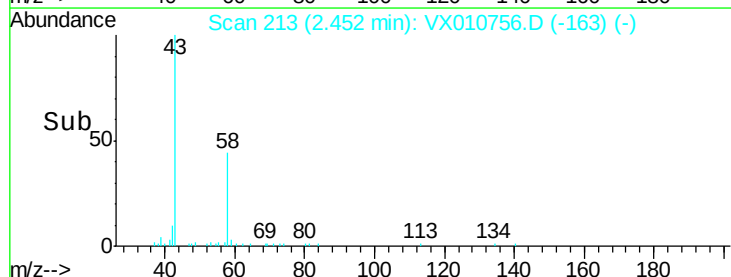
6000

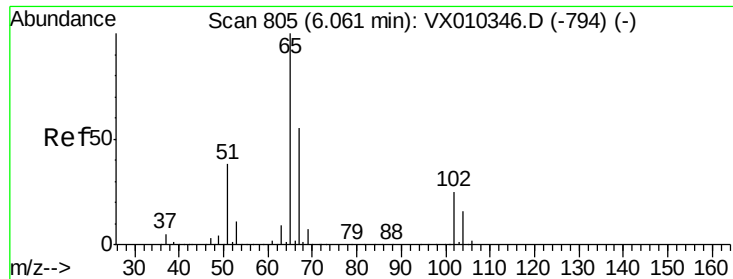
4000

2000

0

Time--> 2.35 2.40 2.45 2.50 2.55

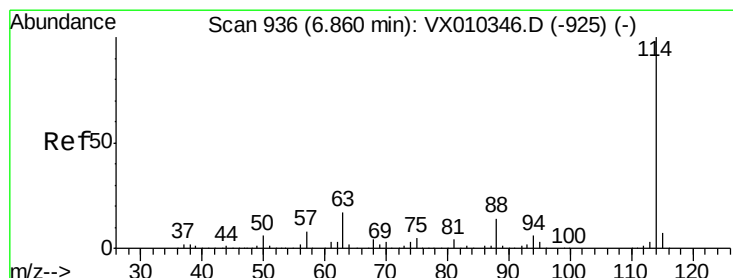
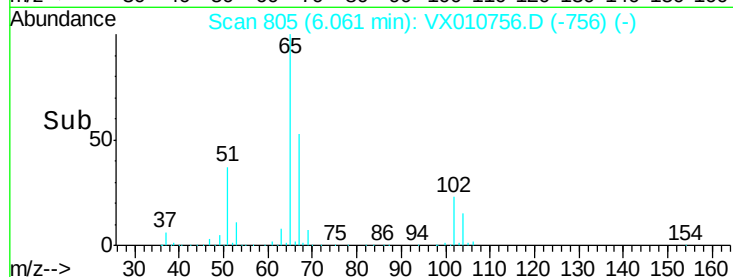
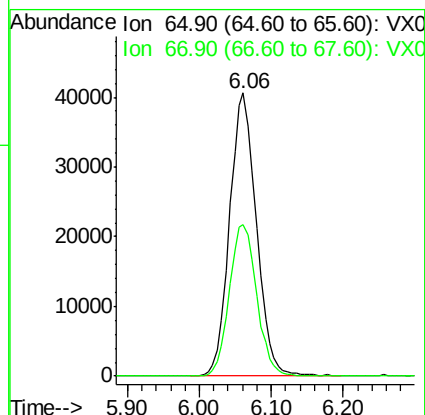
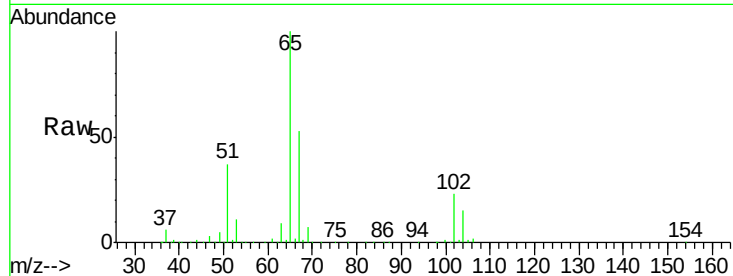




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.089 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX010756.D  
 Acq: 09 Jul 2019 17:21

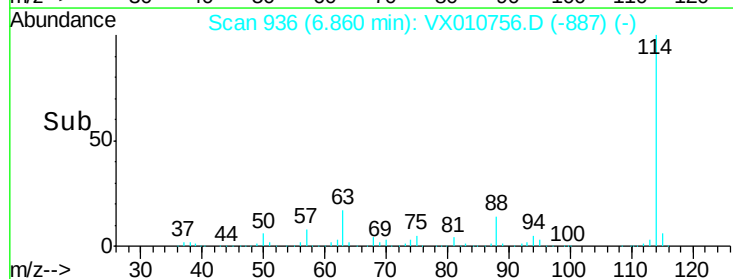
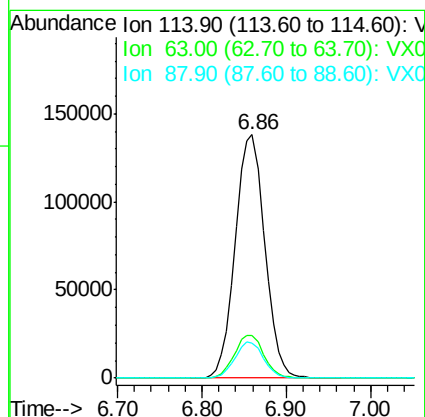
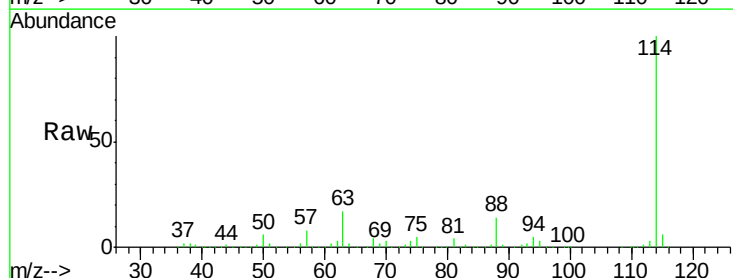
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS038MW009-190703DL

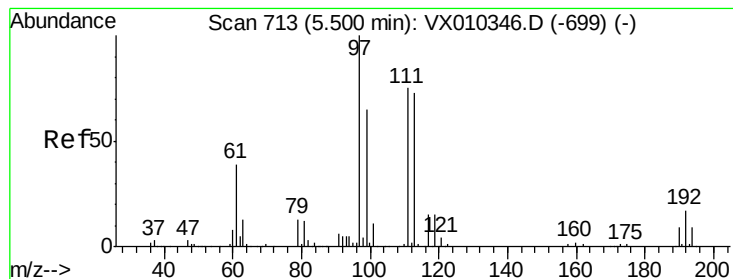
Tot Ion: 65 Resp: 105200  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 110.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX010756.D  
 Acq: 09 Jul 2019 17:21

Tgt Ion: 114 Resp: 326898  
 Ion Ratio Lower Upper  
 114 100  
 63 17.4 0.0 33.8  
 88 14.2 0.0 27.6





#35

Dibromofluoromethane

Concen: 48.806 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010756.D

Acq: 09 Jul 2019 17:21

Instrument :

MSVOA\_X

ClientSampleId :

SS038MW009-190703DL

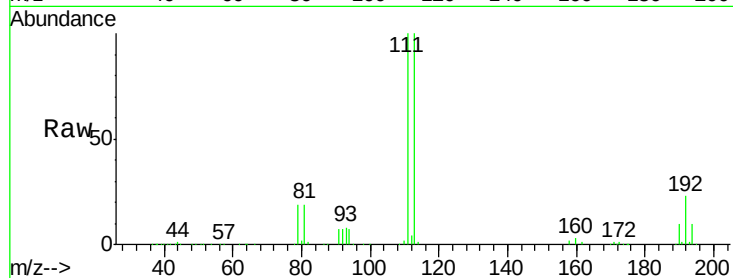
Tot Ion:113 Resp: 97616

Ion Ratio Lower Upper

113 100

111 102.3 81.2 121.8

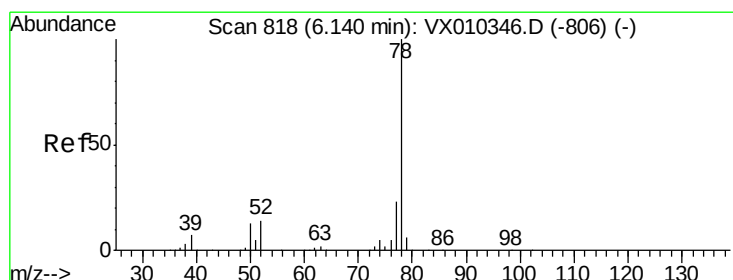
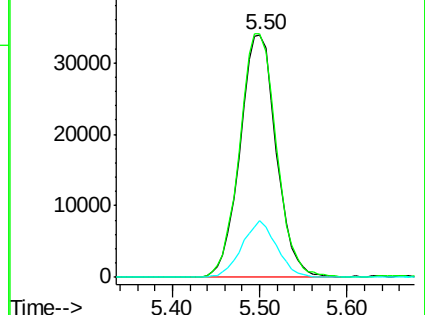
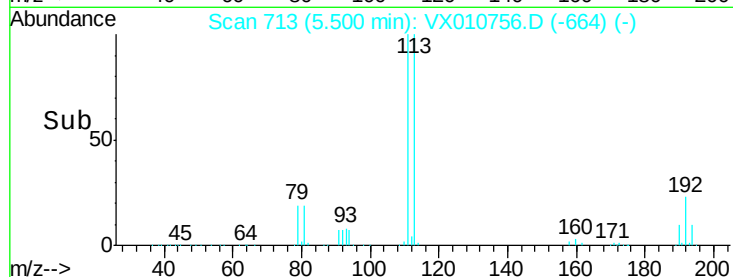
192 22.5 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#40

Benzene

Concen: 0.745 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX010756.D

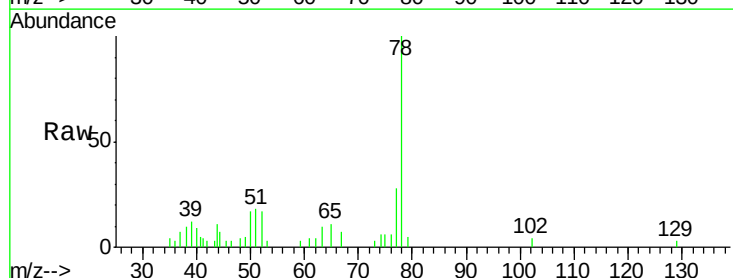
Acq: 09 Jul 2019 17:21

Tgt Ion: 78 Resp: 6033

Ion Ratio Lower Upper

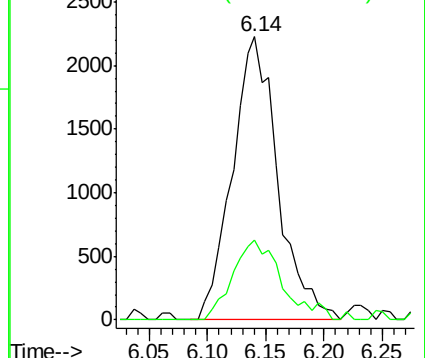
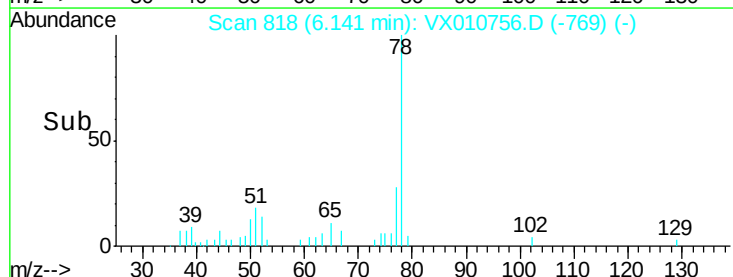
78 100

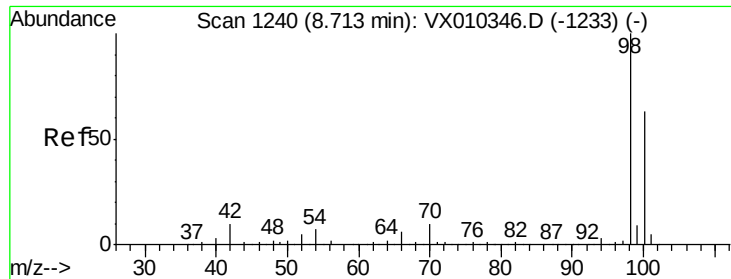
77 28.1 18.6 28.0#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 51.552 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010756.D

Acq: 09 Jul 2019 17:21

Instrument :

MSVOA\_X

ClientSampleId :

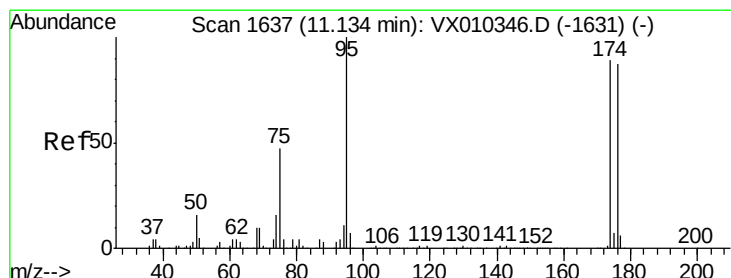
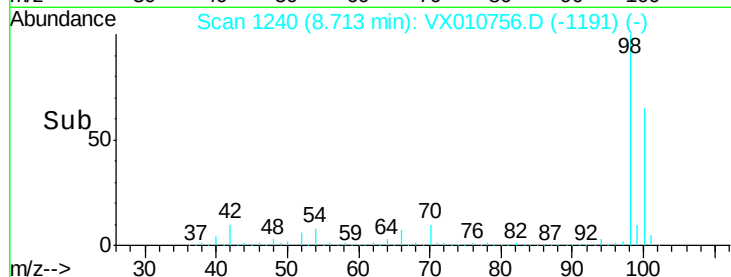
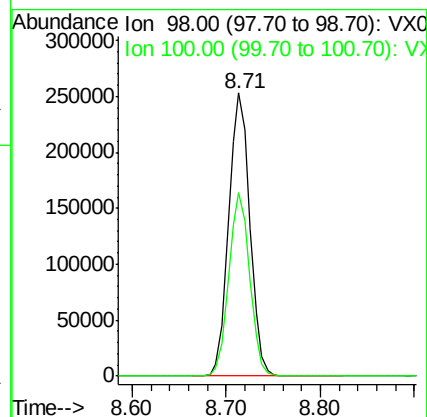
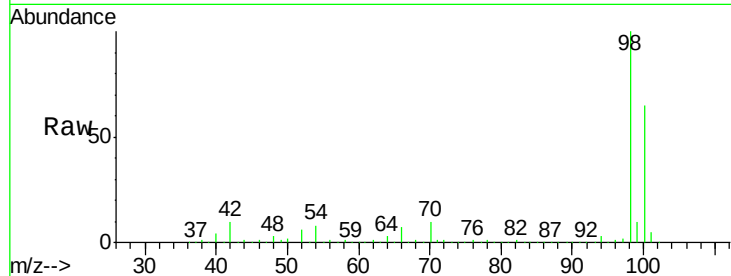
SS038MW009-190703DL

Tot Ion: 98 Resp: 394468

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 51.427 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010756.D

Acq: 09 Jul 2019 17:21

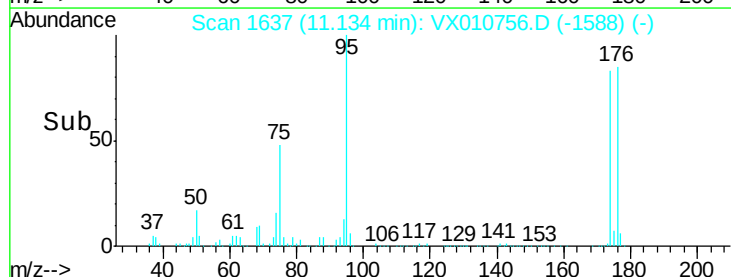
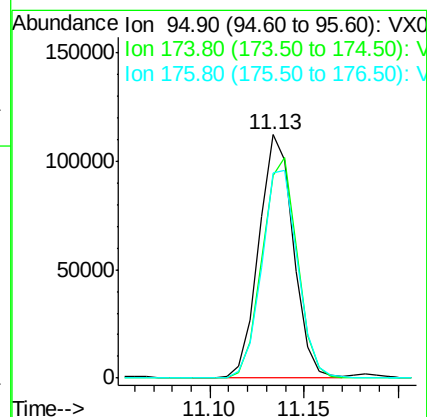
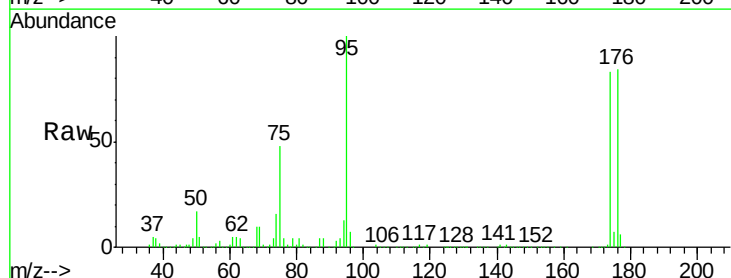
Tgt Ion: 95 Resp: 142070

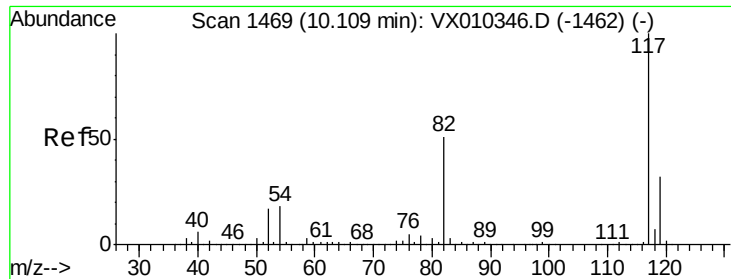
Ion Ratio Lower Upper

95 100

174 92.2 0.0 187.6

176 89.3 0.0 184.0

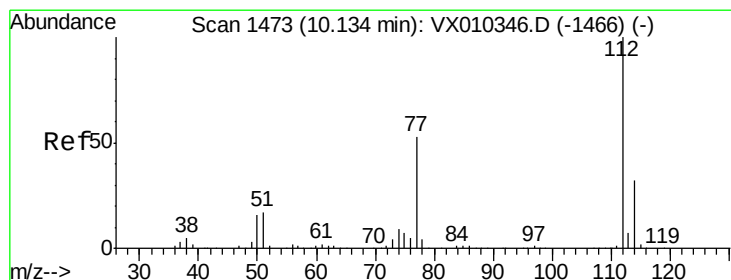
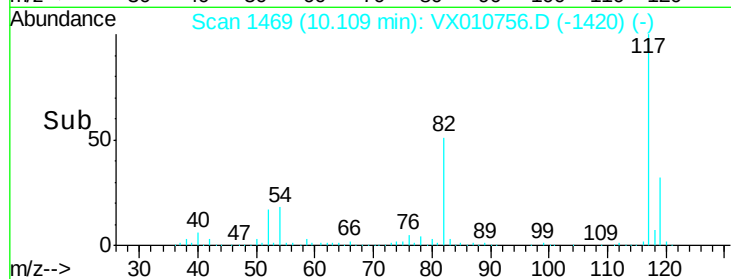
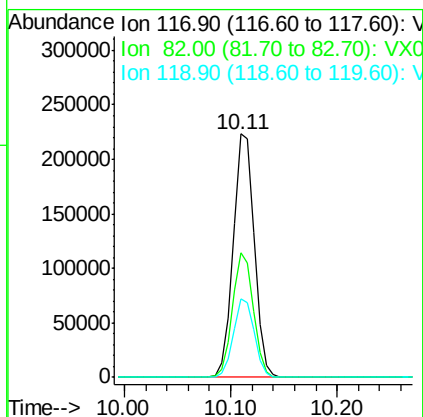
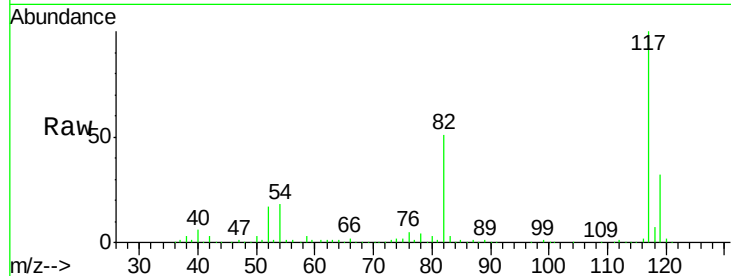




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010756.D  
Acq: 09 Jul 2019 17:21

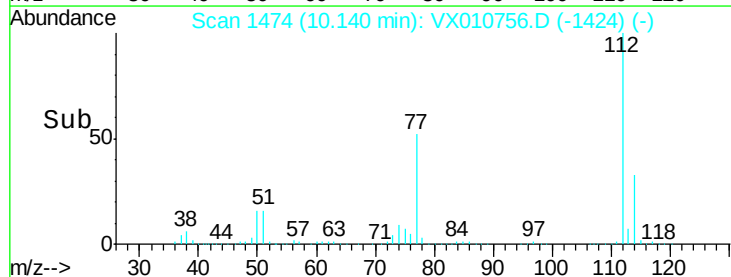
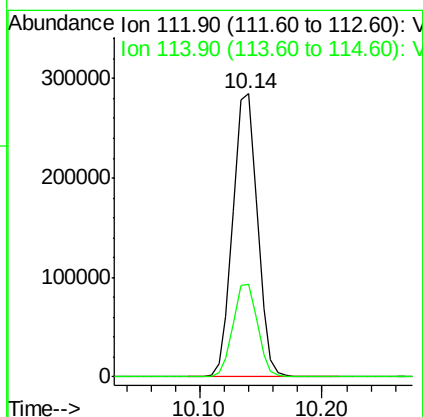
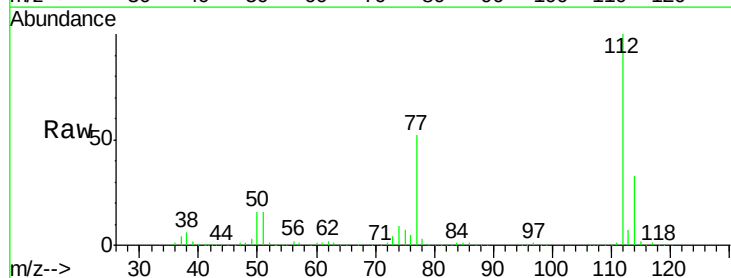
Instrument :  
MSVOA\_X  
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SS038MW009-190703DL

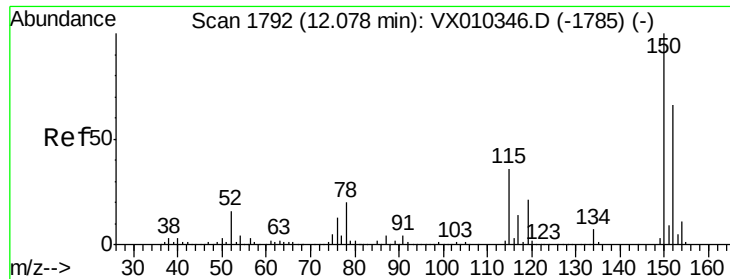
Tot Ion:117 Resp: 311290  
Ion Ratio Lower Upper  
117 100  
82 51.0 41.2 61.8  
119 32.0 25.5 38.3



#65  
Chlorobenzene  
Concen: 62.448 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.01 min  
Lab File: VX010756.D  
Acq: 09 Jul 2019 17:21

Tgt Ion:112 Resp: 394659  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.4 38.2



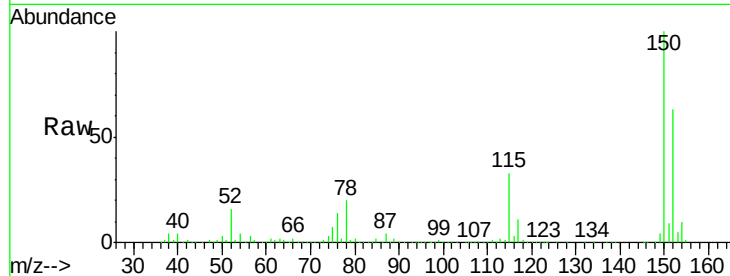


#72

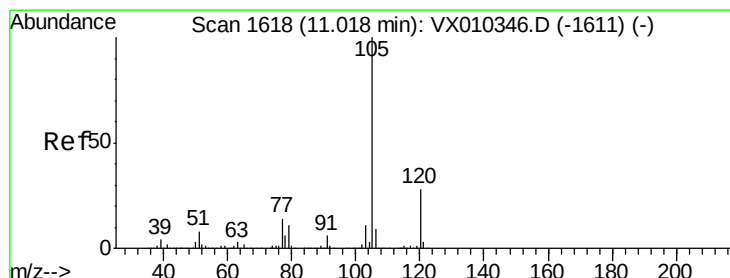
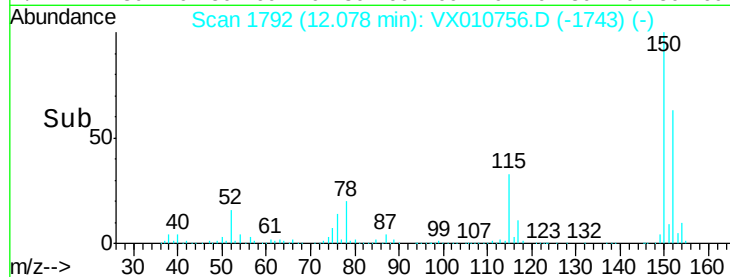
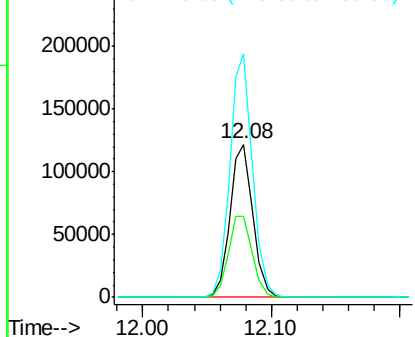
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX010756.D  
Acq: 09 Jul 2019 17:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038MW009-190703DL

Tot Ion:152 Resp: 150904  
Ion Ratio Lower Upper  
152 100  
115 55.9 38.6 115.7  
150 157.8 0.0 347.4



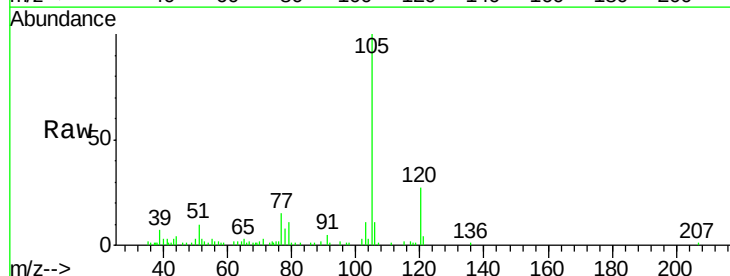
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



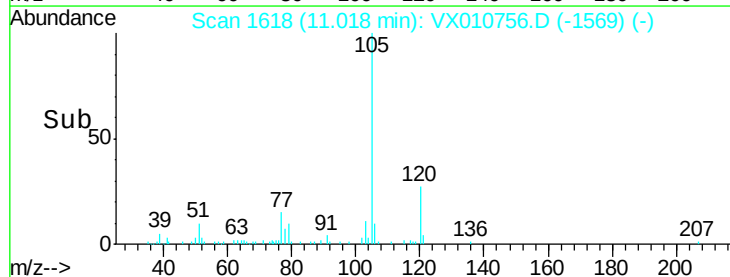
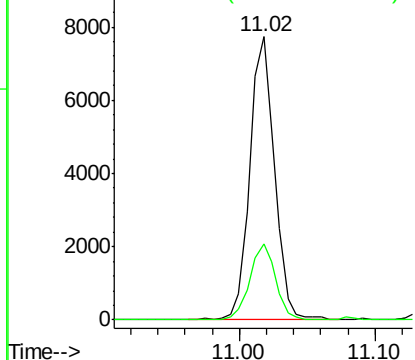
#73

Isopropylbenzene  
Concen: 0.964 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. 0.00 min  
Lab File: VX010756.D  
Acq: 09 Jul 2019 17:21

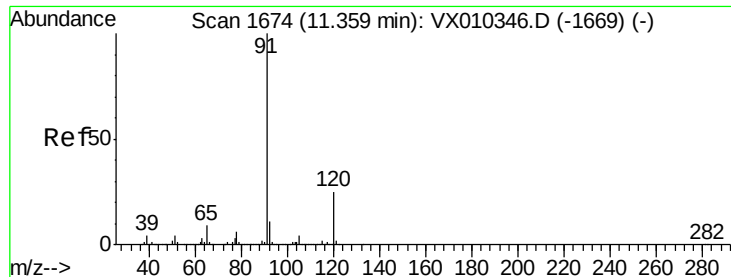
Tgt Ion:105 Resp: 9860  
Ion Ratio Lower Upper  
105 100  
120 27.9 14.1 42.4



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







#78

n-propylbenzene

Concen: 0.628 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010756.D

Acq: 09 Jul 2019 17:21

Instrument :

MSVOA\_X

ClientSampleId :

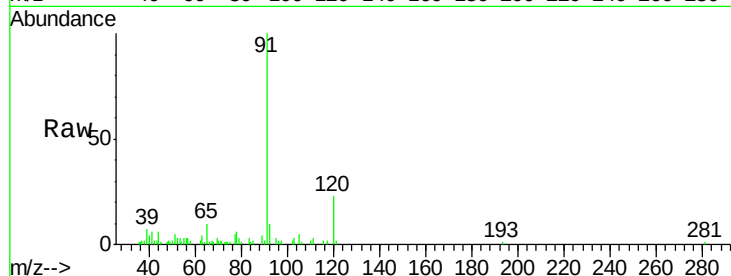
SS038MW009-190703DL

Tot Ion: 91 Resp: 7056

Ion Ratio Lower Upper

91 100

120 24.2 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1669) (-)

11.36

6000

5000

4000

3000

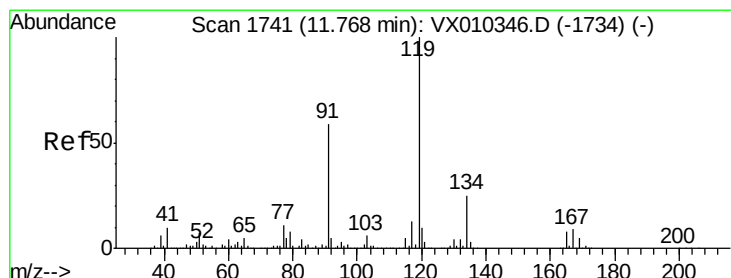
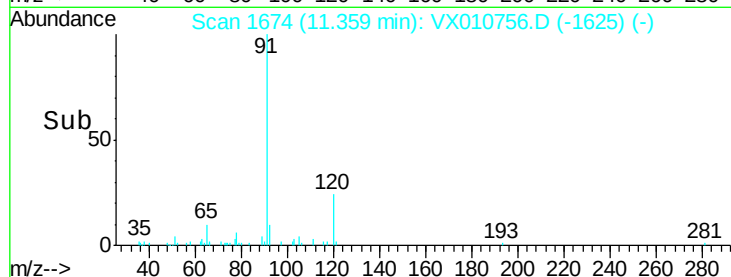
2000

1000

0

Time-->

11.30 11.35 11.40



#83

tert-Butylbenzene

Concen: 1.160 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010756.D

Acq: 09 Jul 2019 17:21

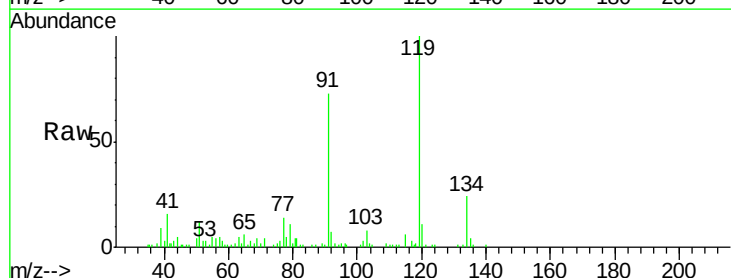
Tgt Ion: 119 Resp: 9816

Ion Ratio Lower Upper

119 100

91 71.3 27.6 82.7

134 26.2 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): VX010346.D (-1734) (-)

Ion 91.00 (90.70 to 91.70): VX010346.D (-1734) (-)

Ion 134.00 (133.70 to 134.70): VX010346.D (-1734) (-)

11.77

10000

8000

6000

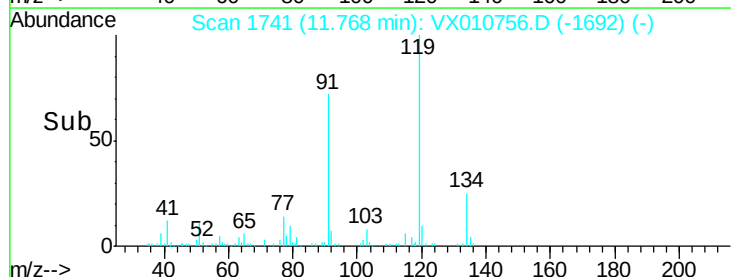
4000

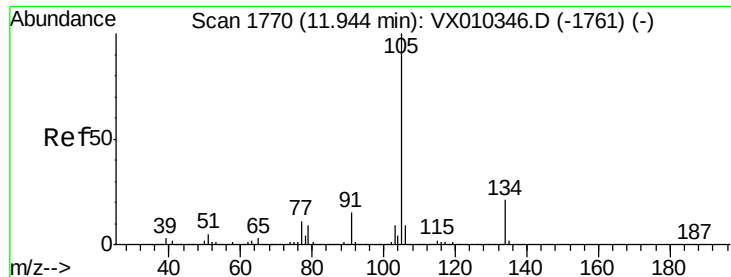
2000

0

Time-->

11.70 11.75 11.80





#85

sec-Butylbenzene

Concen: 1.224 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010756.D

Acq: 09 Jul 2019 17:21

Instrument :

MSVOA\_X

ClientSampleId :

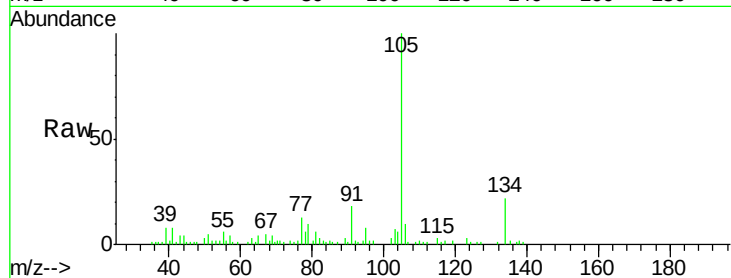
SS038MW009-190703DL

Tot Ion:105 Resp: 12164

Ion Ratio Lower Upper

105 100

134 23.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

