

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX070819\  
 Data File : VX010722.D  
 Acq On : 09 Jul 2019 02:19  
 Operator : JC/SP  
 Sample : K3690-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS038RW150-190703

Quant Time: Jul 09 09:25:07 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

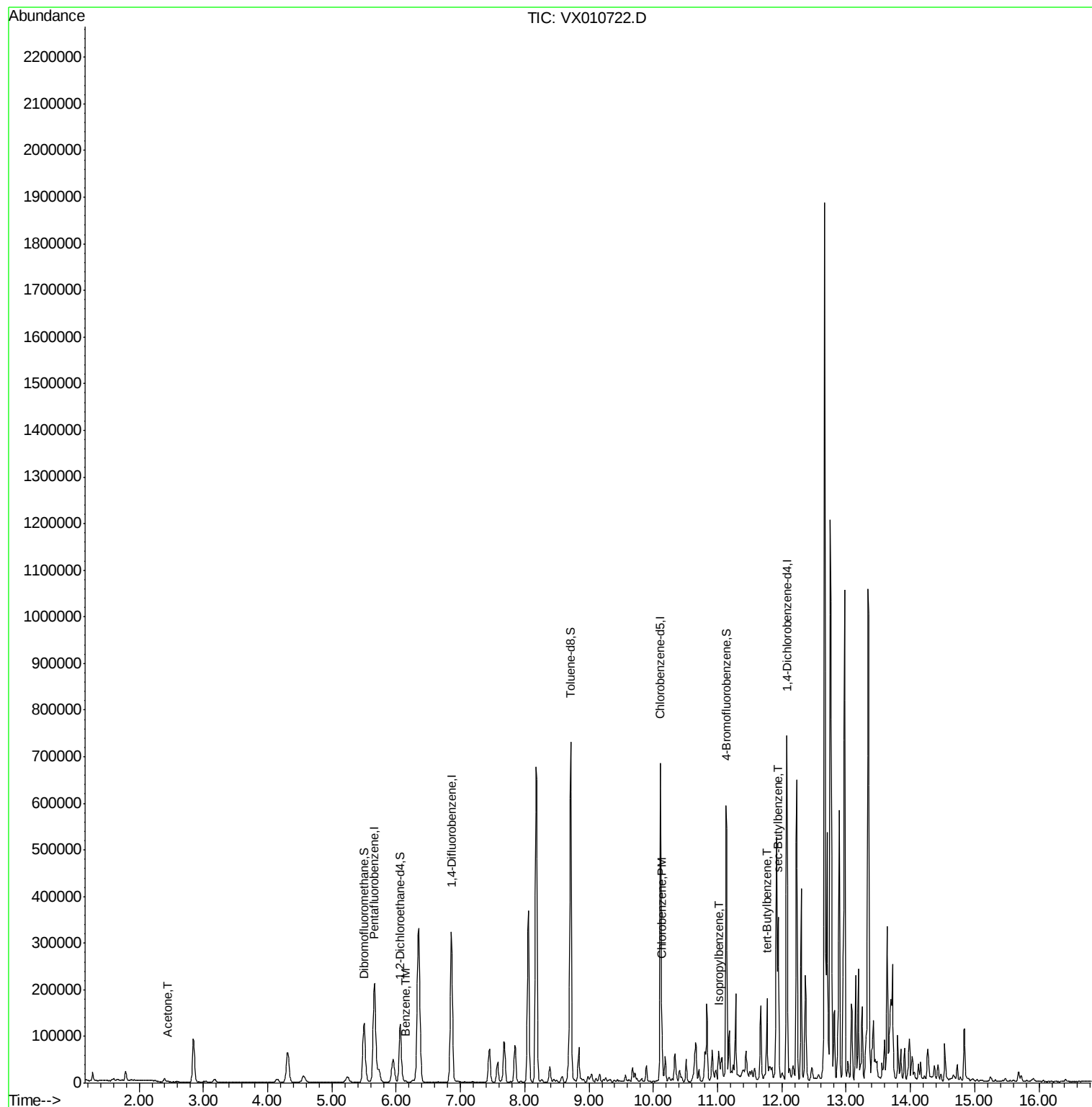
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 220853   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 347521   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 323930   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 159165   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 111577   | 53.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.76% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 105032   | 49.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.80%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 422724   | 51.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.94% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 146926   | 50.03  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.06% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 1415     | 1.363  | ug/l    | 96       |
| 40) Benzene                 | 6.15  | 78   | 2560     | 0.298  | ug/l    | 94       |
| 65) Chlorobenzene           | 10.13 | 112  | 32677    | 4.969  | ug/l    | 100      |
| 73) Isopropylbenzene        | 11.02 | 105  | 32590    | 3.021  | ug/l    | 99       |
| 83) tert-Butylbenzene       | 11.77 | 119  | 64785    | 7.257  | ug/l    | 90       |
| 85) sec-Butylbenzene        | 11.94 | 105  | 180370   | 17.208 | ug/l #  | 55       |

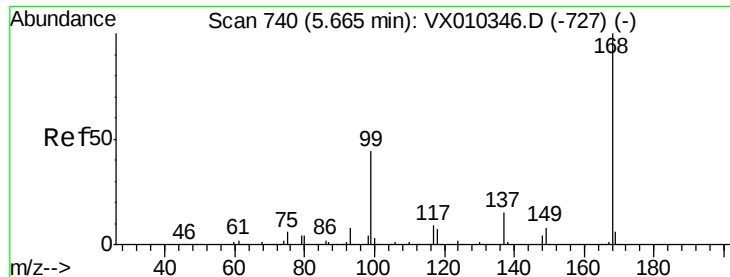
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA\_X

ClientSampleId :

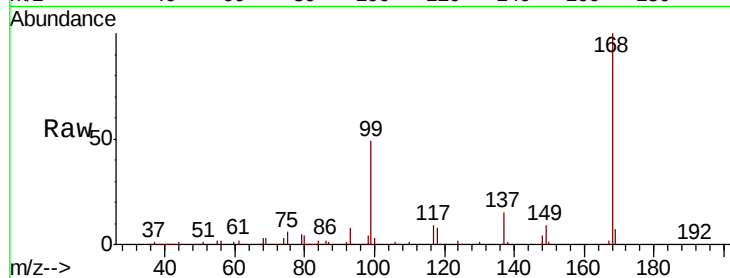
SS038RW150-190703

Tgt Ion:168 Resp: 220853

Ion Ratio Lower Upper

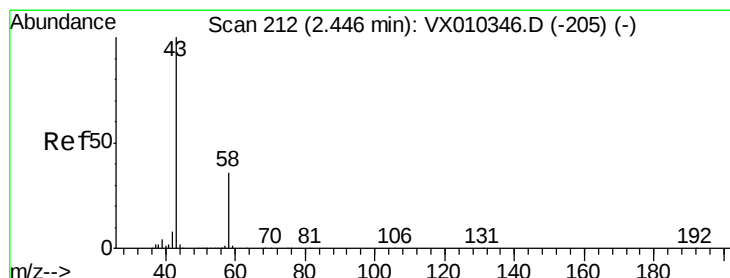
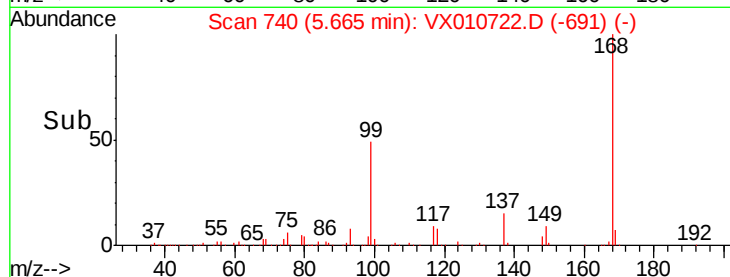
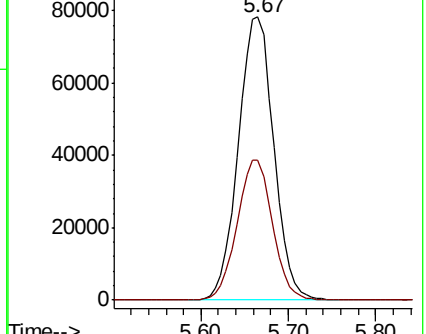
168 100

99 49.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 1.363 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010722.D

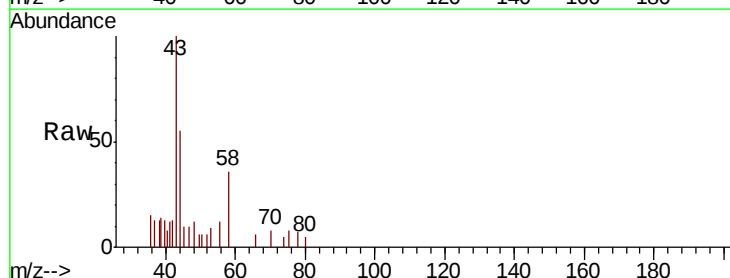
Acq: 09 Jul 2019 02:19

Tgt Ion: 43 Resp: 1415

Ion Ratio Lower Upper

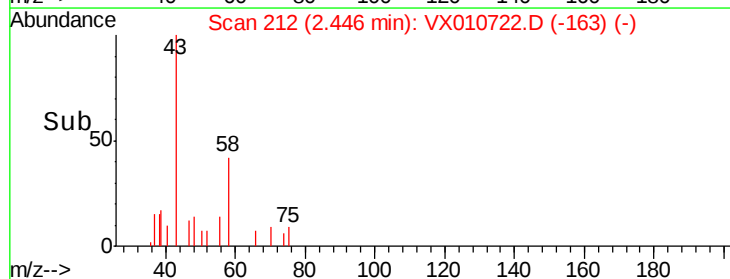
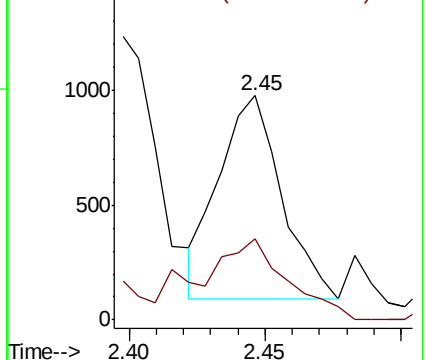
43 100

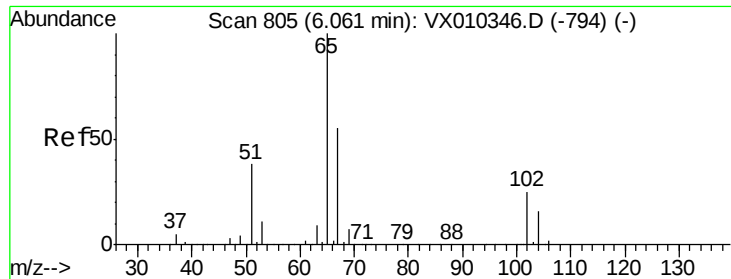
58 33.6 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.883 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA\_X

ClientSampleId :

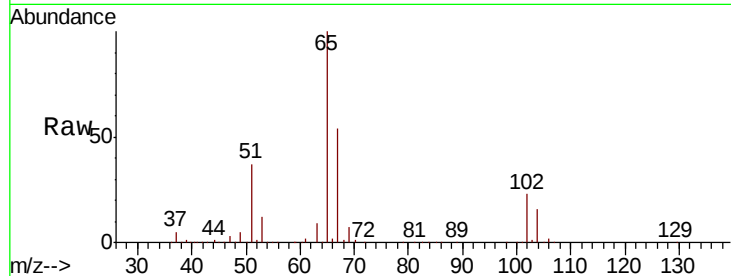
SS038RW150-190703

Tgt Ion: 65 Resp: 111577

Ion Ratio Lower Upper

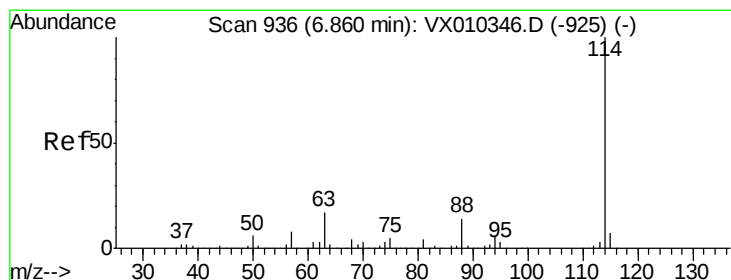
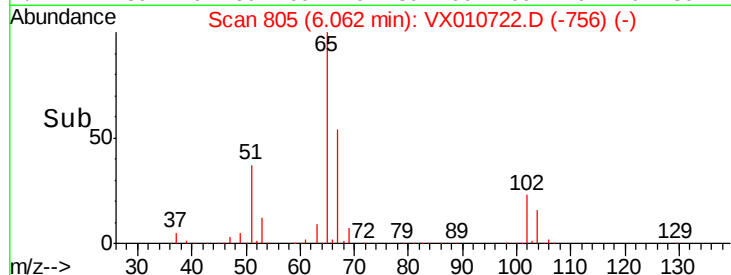
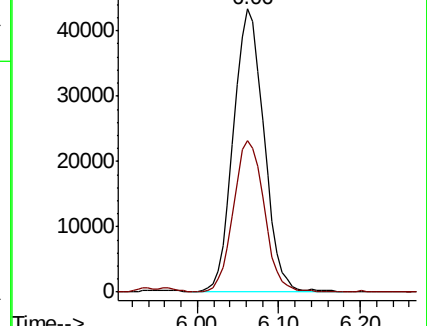
65 100

67 53.5 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

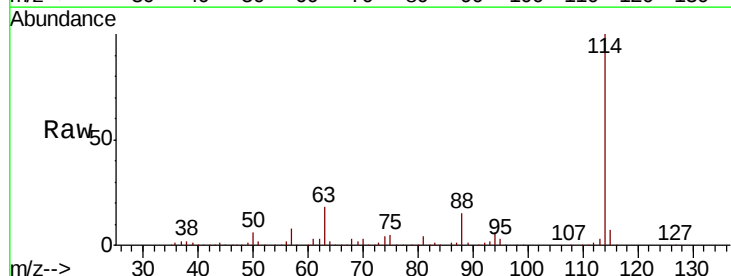
Tgt Ion: 114 Resp: 347521

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

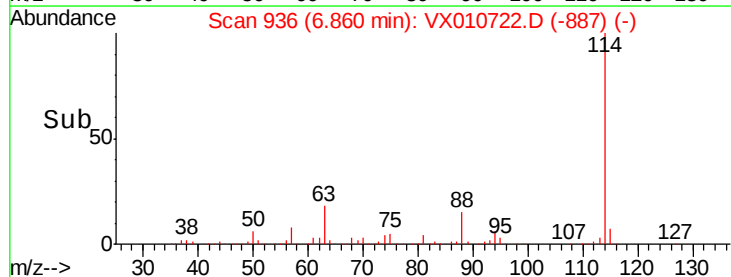
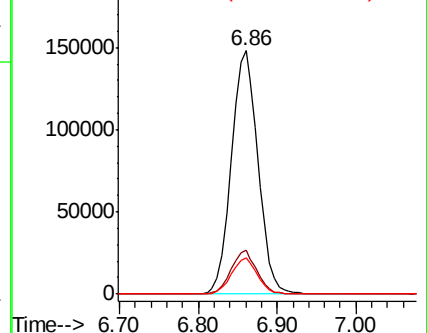
88 14.6 0.0 27.6

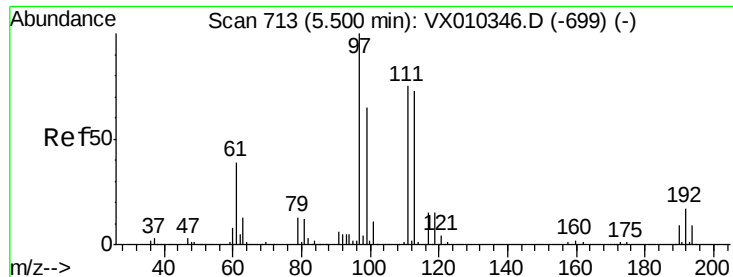


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

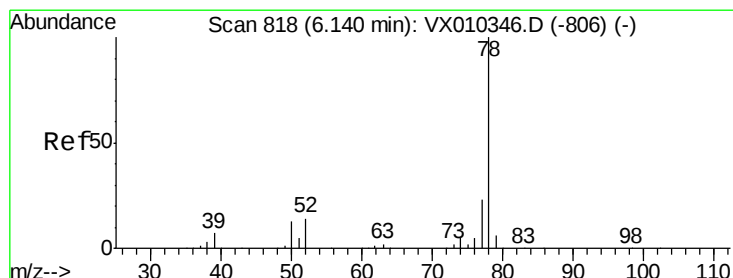
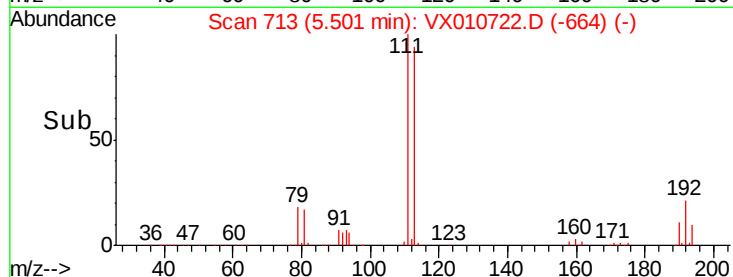
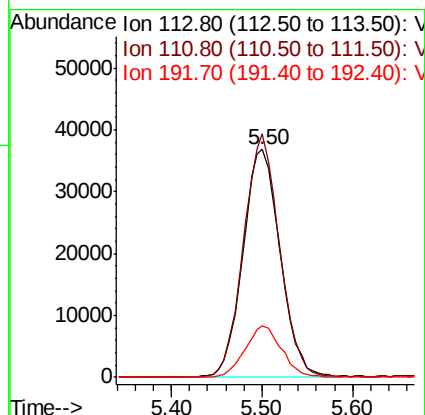
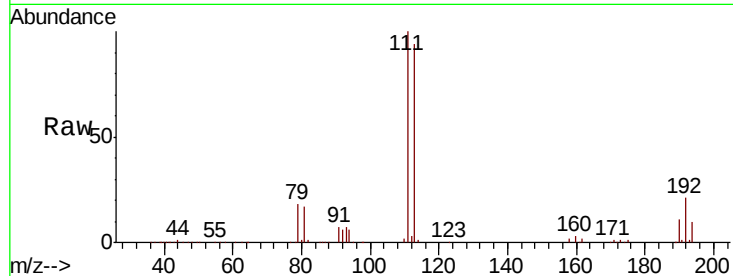




#35  
Dibromofluoromethane  
Concen: 49.398 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. 0.00 min  
Lab File: VX010722.D  
Acq: 09 Jul 2019 02:19

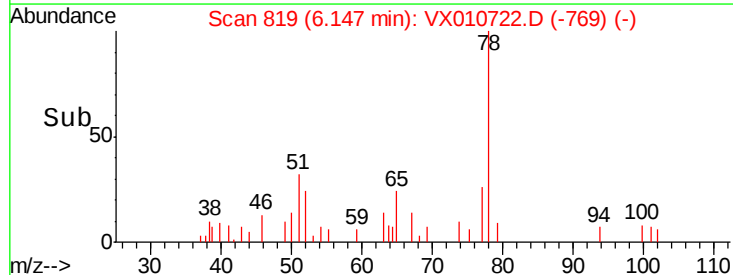
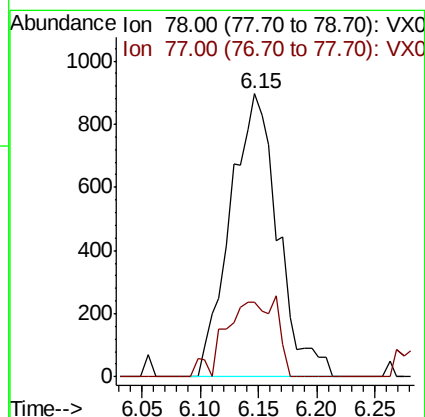
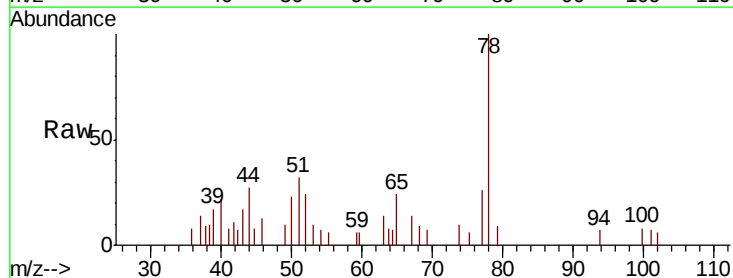
Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190703

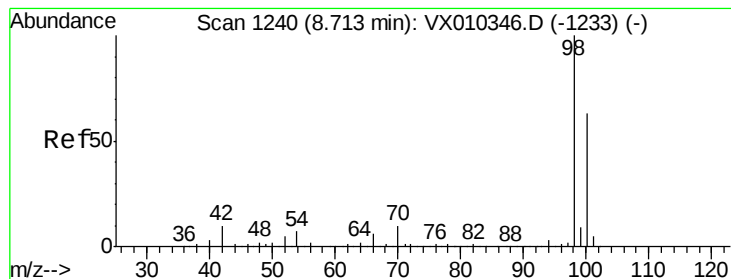
Tgt Ion:113 Resp: 105032  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.2 121.8  
192 22.1 18.6 27.8



#40  
Benzene  
Concen: 0.298 ug/l  
RT: 6.15 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: VX010722.D  
Acq: 09 Jul 2019 02:19

Tgt Ion: 78 Resp: 2560  
Ion Ratio Lower Upper  
78 100  
77 26.2 18.6 28.0





#50

Toluene-d8

Concen: 51.966 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA\_X

ClientSampleId :

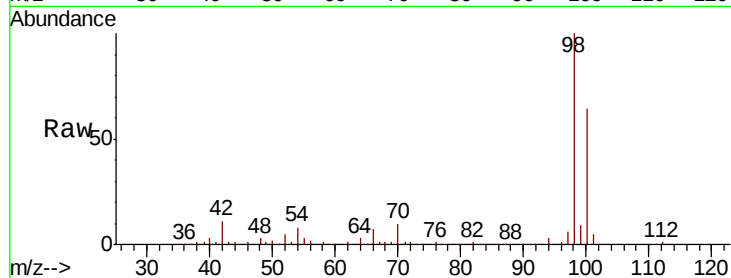
SS038RW150-190703

Tgt Ion: 98 Resp: 422724

Ion Ratio Lower Upper

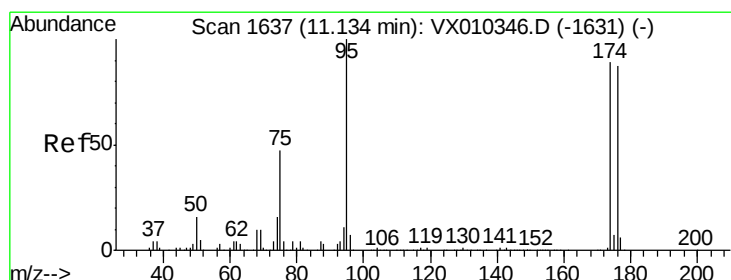
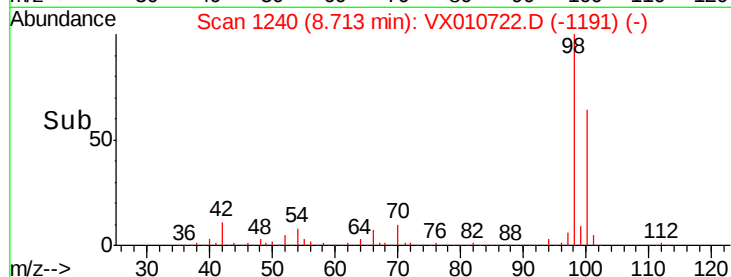
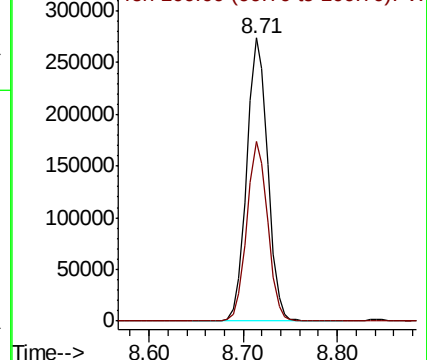
98 100

100 63.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 50.029 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

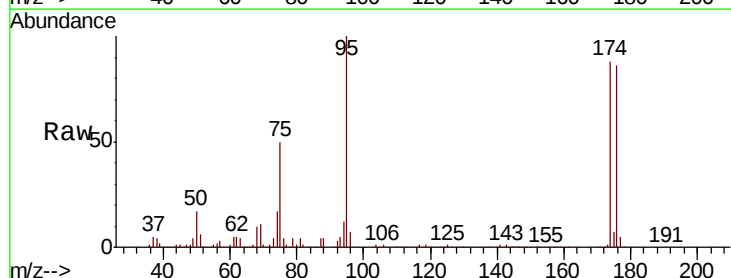
Tgt Ion: 95 Resp: 146926

Ion Ratio Lower Upper

95 100

174 94.0 0.0 187.6

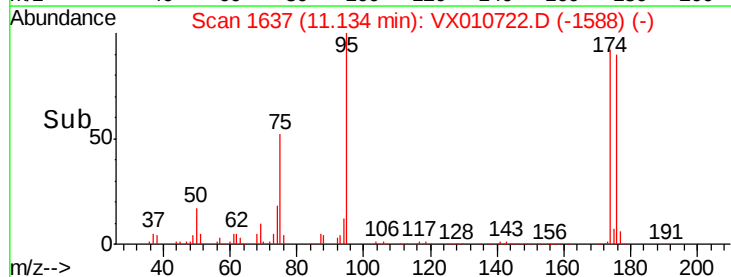
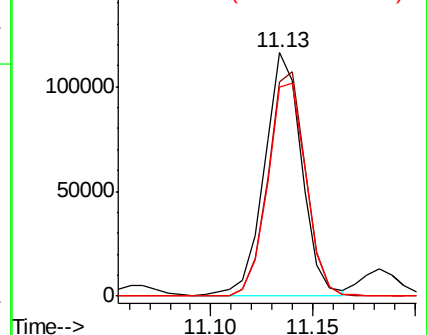
176 90.8 0.0 184.0

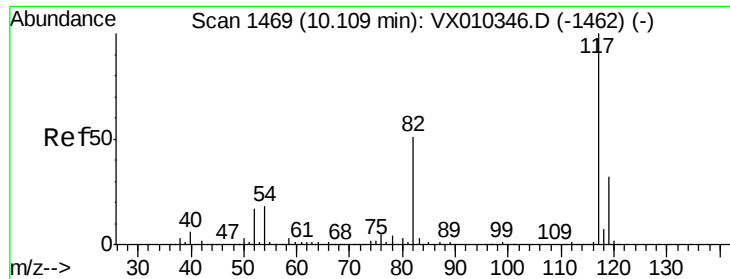


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

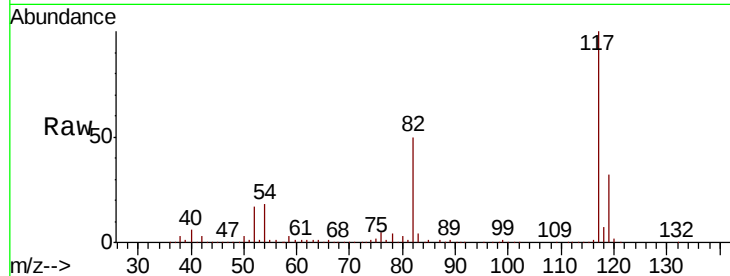




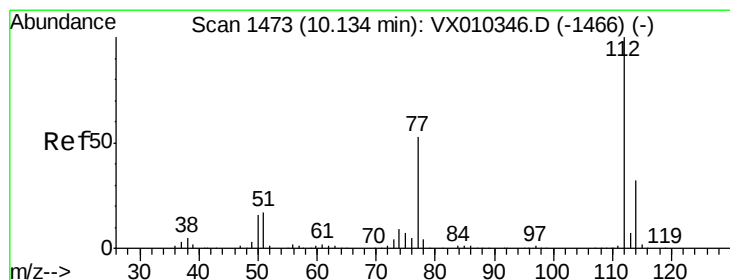
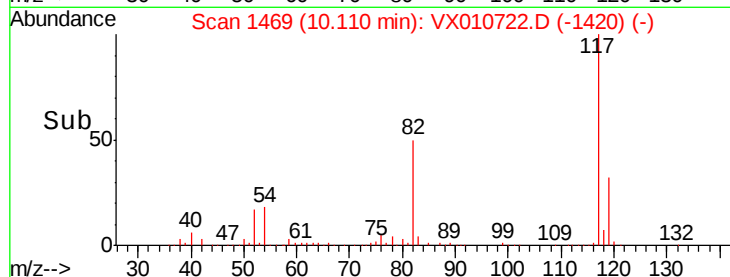
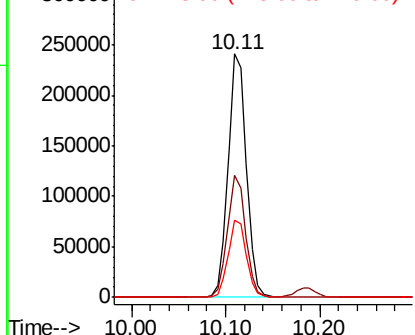
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010722.D  
Acq: 09 Jul 2019 02:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190703

Tgt Ion:117 Resp: 323930  
Ion Ratio Lower Upper  
117 100  
82 50.1 41.2 61.8  
119 31.7 25.5 38.3

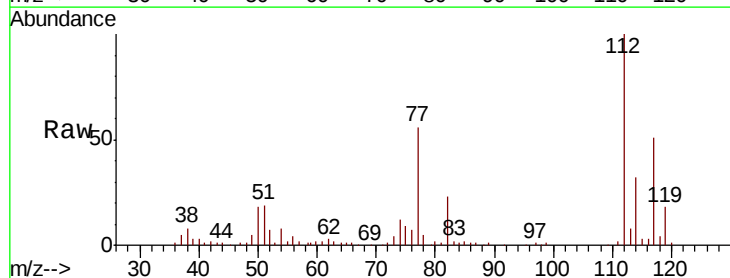


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

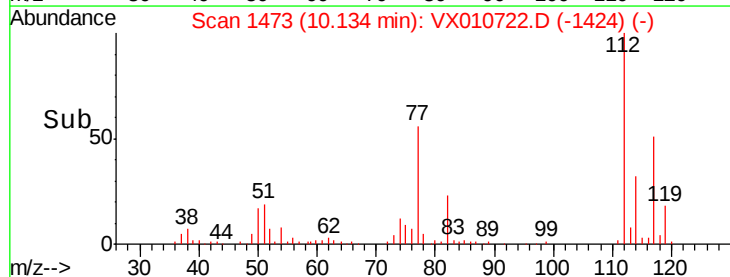
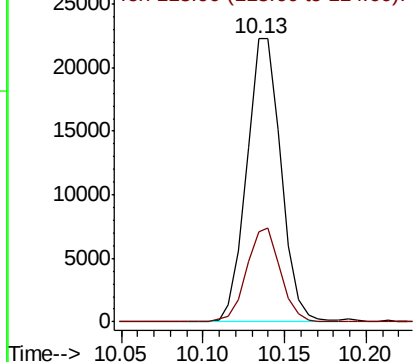


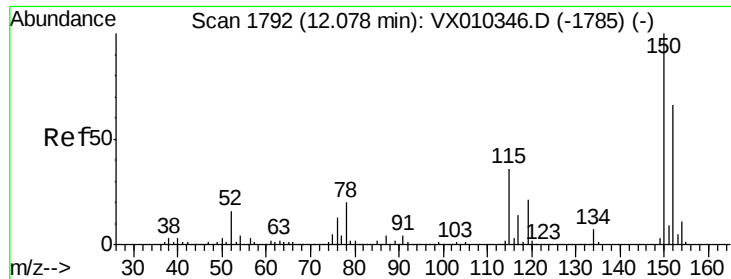
#65  
Chlorobenzene  
Concen: 4.969 ug/l  
RT: 10.13 min Scan# 1473  
Delta R.T. 0.00 min  
Lab File: VX010722.D  
Acq: 09 Jul 2019 02:19

Tgt Ion:112 Resp: 32677  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V  
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA\_X

ClientSampleId :

SS038RW150-190703

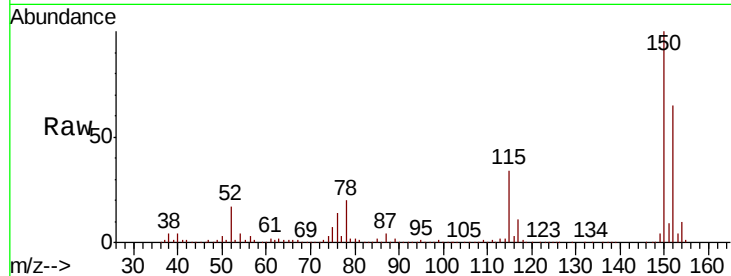
Tgt Ion:152 Resp: 159165

Ion Ratio Lower Upper

152 100

115 55.2 38.6 115.7

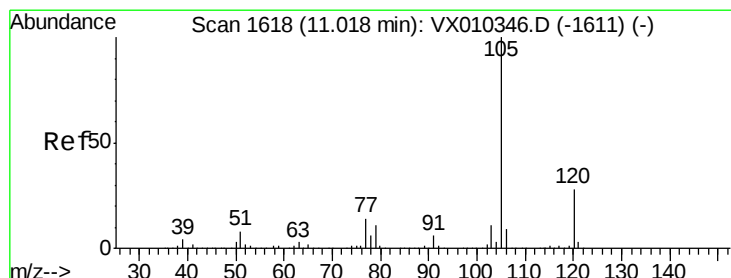
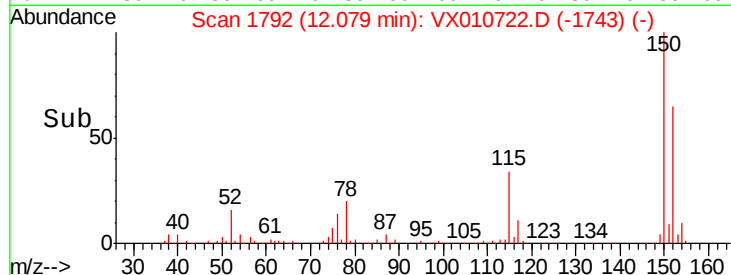
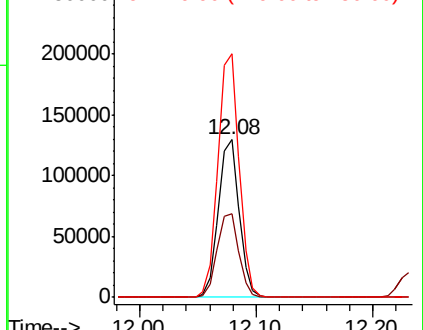
150 157.3 0.0 347.4



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: 3.021 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010722.D

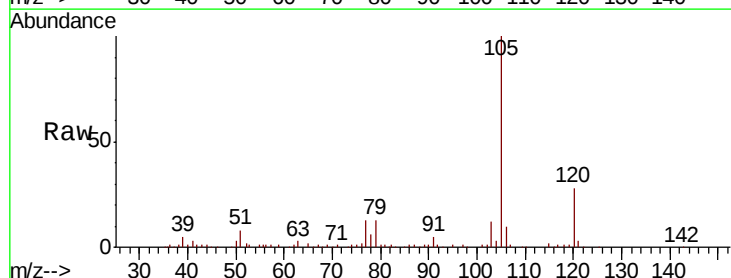
Acq: 09 Jul 2019 02:19

Tgt Ion:105 Resp: 32590

Ion Ratio Lower Upper

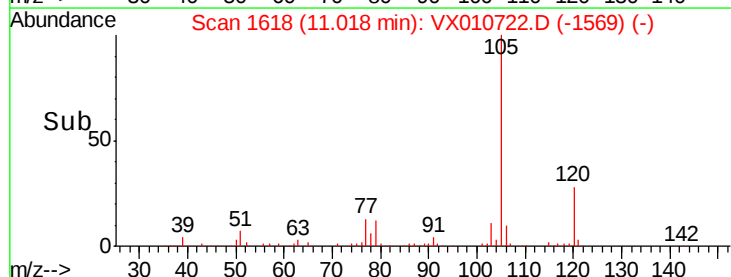
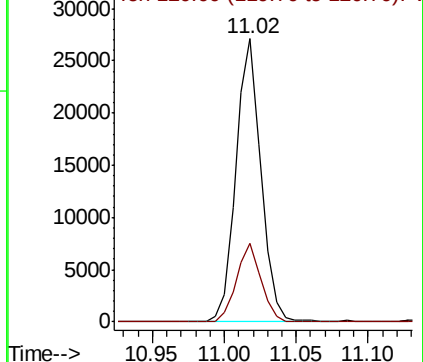
105 100

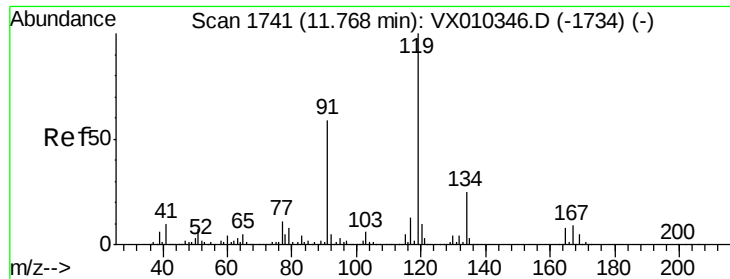
120 27.5 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

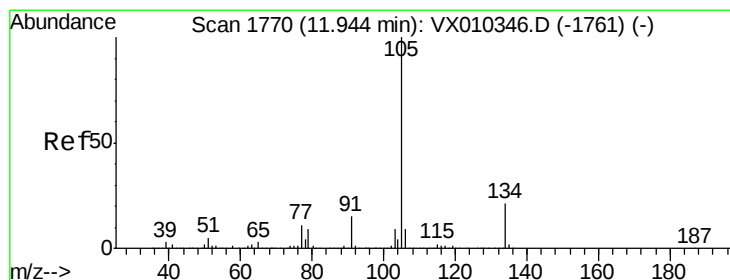
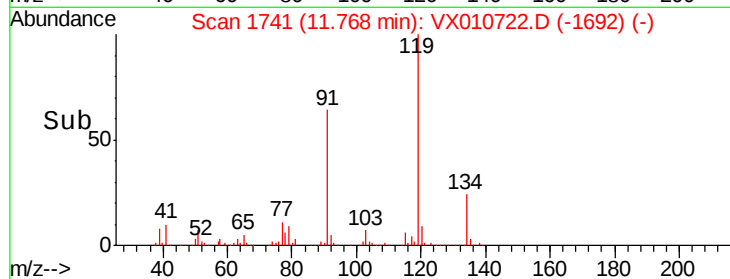
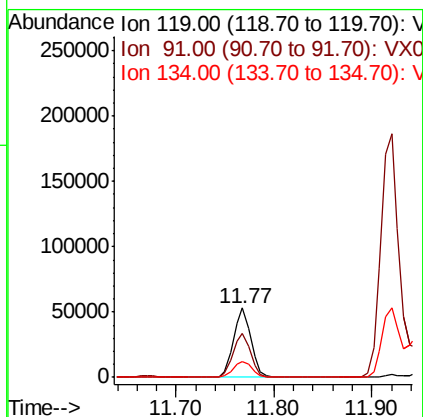
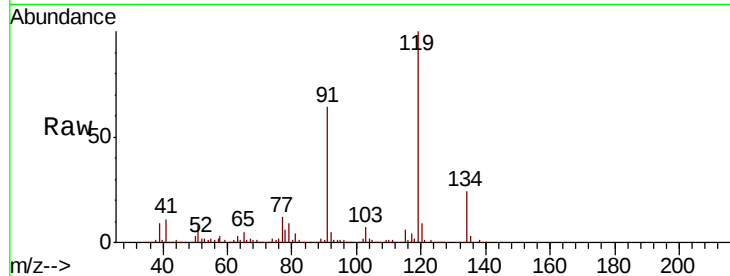




#83  
tert-Butylbenzene  
Concen: 7.257 ug/l  
RT: 11.77 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VX010722.D  
Acq: 09 Jul 2019 02:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190703

Tgt Ion:119 Resp: 64785  
Ion Ratio Lower Upper  
119 100  
91 64.5 27.6 82.7  
134 24.9 11.8 35.4



#85  
sec-Butylbenzene  
Concen: 17.208 ug/l  
RT: 11.94 min Scan# 1770  
Delta R.T. 0.00 min  
Lab File: VX010722.D  
Acq: 09 Jul 2019 02:19

Tgt Ion:105 Resp: 180370  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.7 31.9#

