

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007090.D
 Acq On : 17 Jan 2019 15:49
 Operator : JC/SP
 Sample : K1168-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW103-190115

Quant Time: Jan 18 09:45:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	592968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	914072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	860191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	437641	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	309661	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
35) Dibromofluoromethane	5.50	113	273563	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	8.71	98	1090826	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.13	95	402342	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	

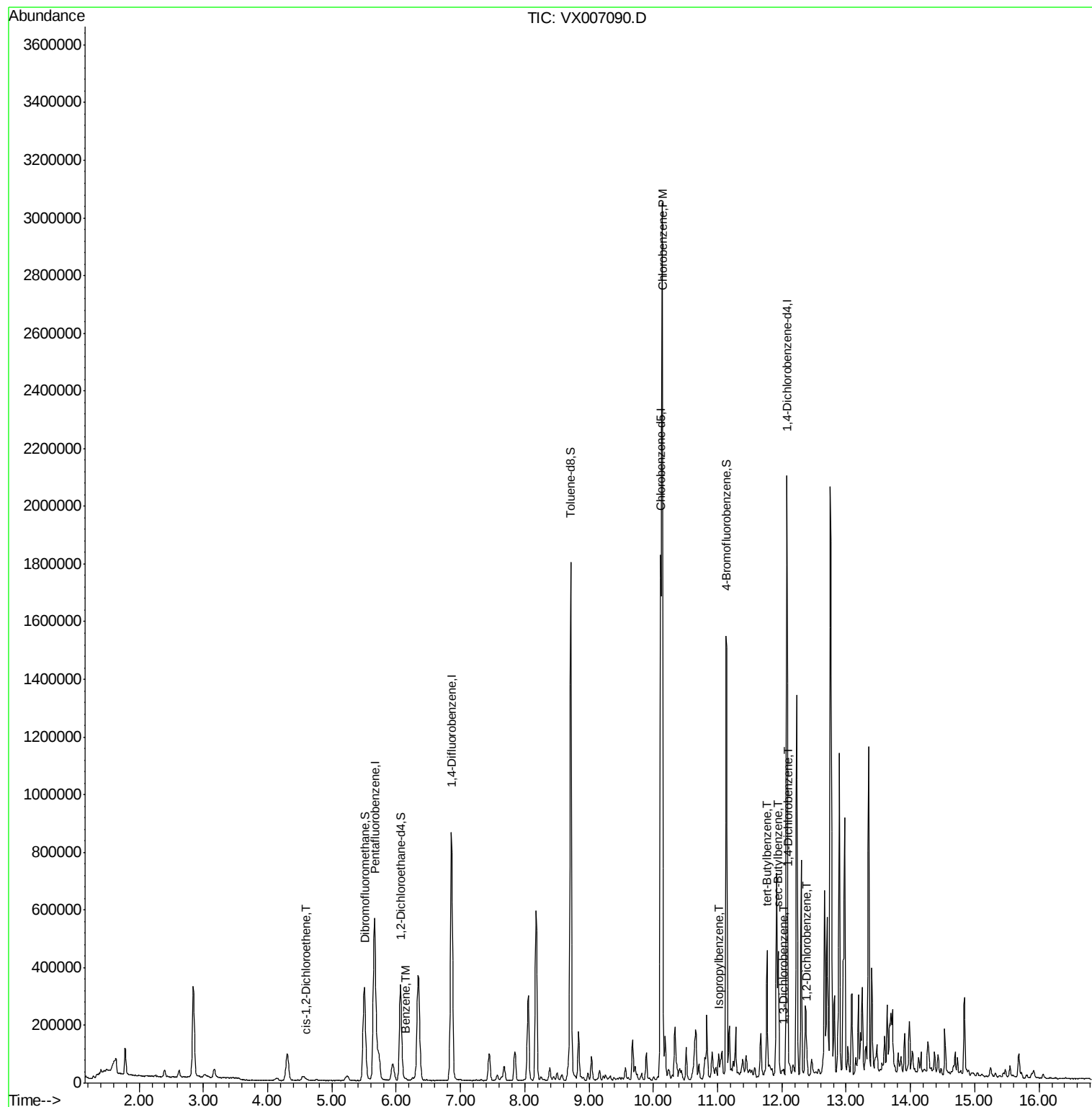
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
27) cis-1,2-Dichloroethene	4.60	96	3342	0.499	ug/l	92
40) Benzene	6.14	78	8693	0.358	ug/l	99
65) Chlorobenzene	10.14	112	1390873	74.136	ug/l	98
73) Isopropylbenzene	11.02	105	40966	1.327	ug/l	98
83) tert-Butylbenzene	11.77	119	162719	6.325	ug/l	90
85) sec-Butylbenzene	11.94	105	220505	7.177	ug/l #	55
87) 1,3-Dichlorobenzene	12.02	146	4339	0.282	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	20748	1.566	ug/l #	70
91) 1,2-Dichlorobenzene	12.39	146	12188	0.804	ug/l	93

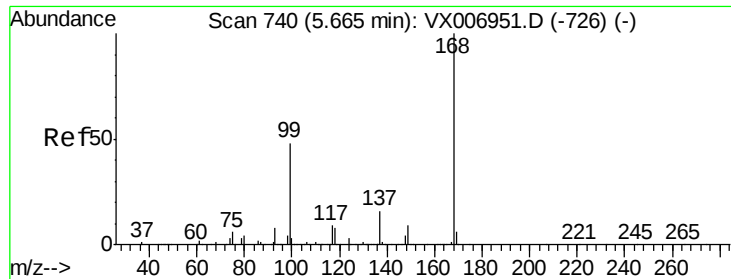
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007090.D

Acq: 17 Jan 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

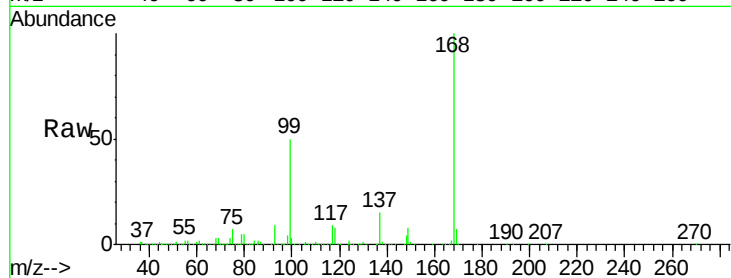
SS038MW103-190115

Tot Ion:168 Resp: 592968

Ion Ratio Lower Upper

168 100

99 49.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

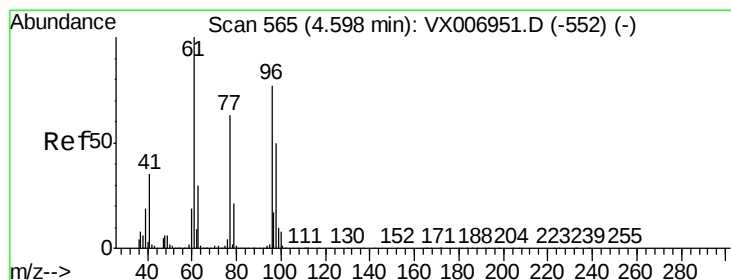
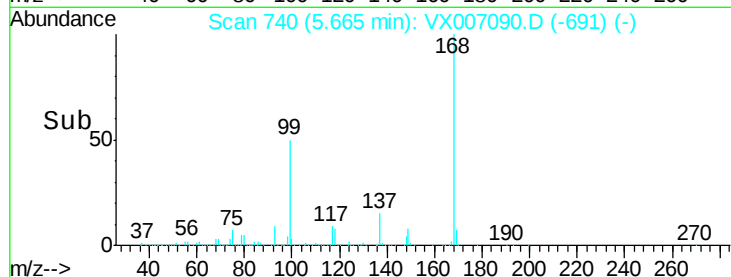
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 0.499 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX007090.D

Acq: 17 Jan 2019 15:49

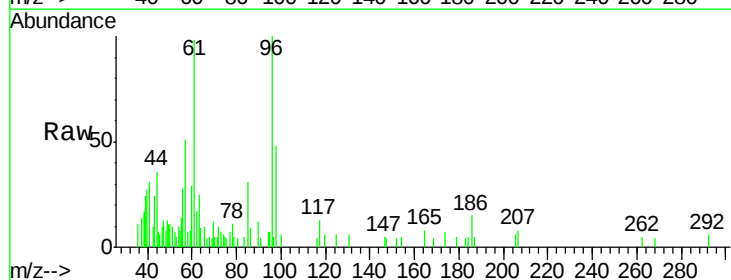
Tgt Ion: 96 Resp: 3342

Ion Ratio Lower Upper

96 100

61 141.2 0.0 258.6

98 62.9 0.0 132.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4.60

2000

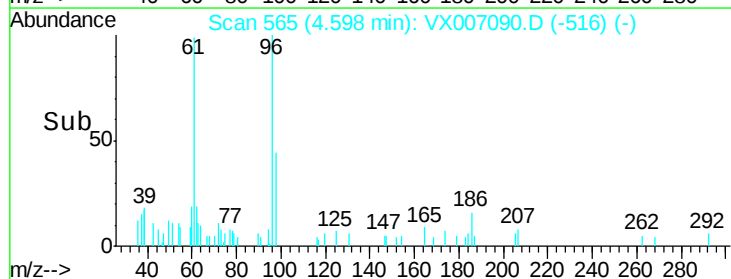
1500

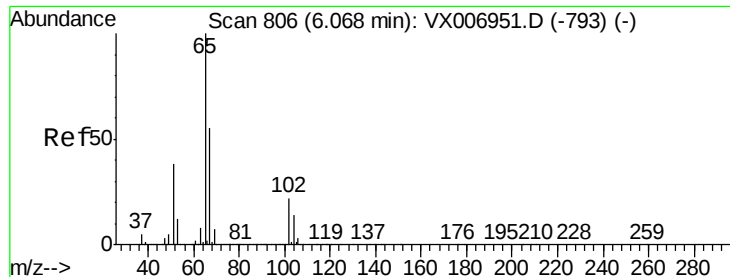
1000

500

0

Time--> 4.50 4.55 4.60 4.65





#33

1,2-Dichloroethane-d4

Concen: 49.969 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007090.D

Acq: 17 Jan 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

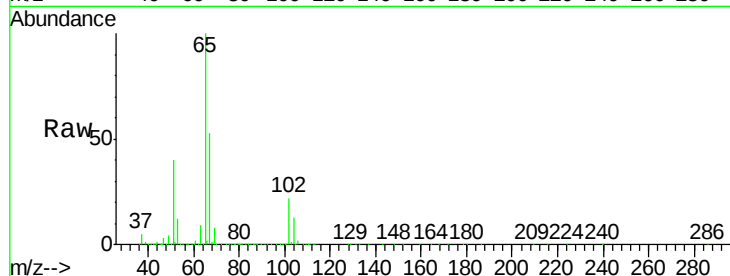
SS038MW103-190115

Tot Ion: 65 Resp: 309661

Ion Ratio Lower Upper

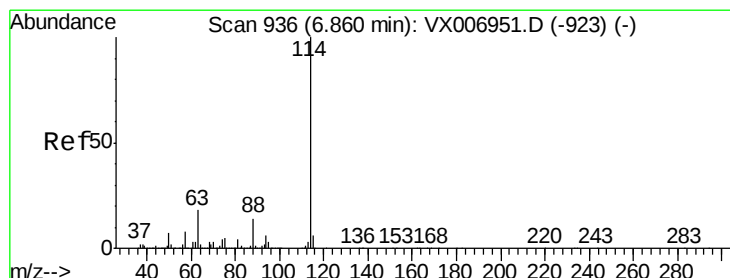
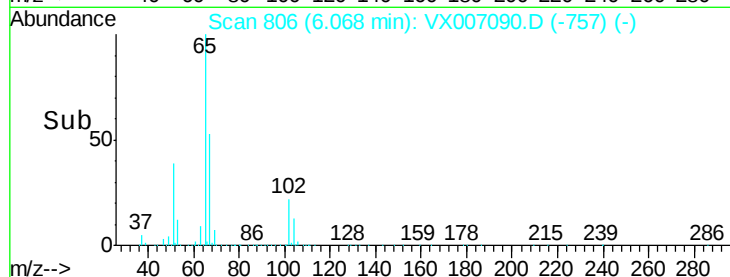
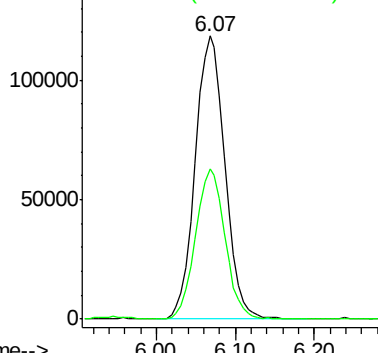
65 100

67 52.6 0.0 105.0



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: VX007090.D

Acq: 17 Jan 2019 15:49

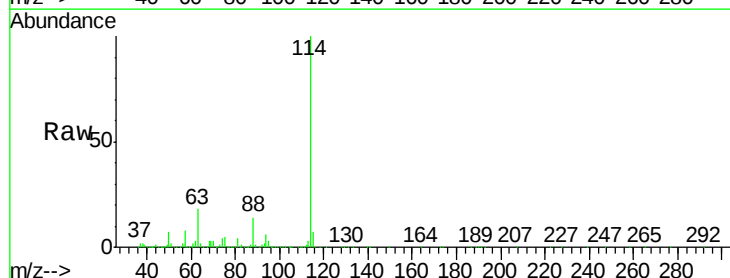
Tgt Ion: 114 Resp: 914072

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

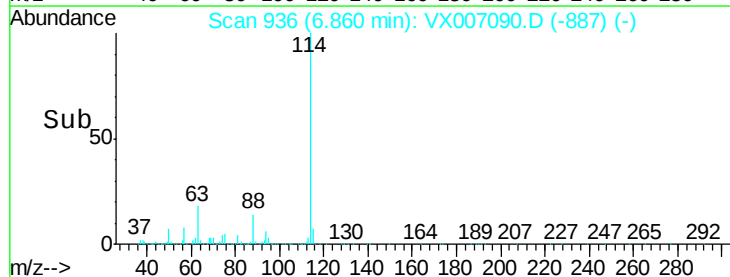
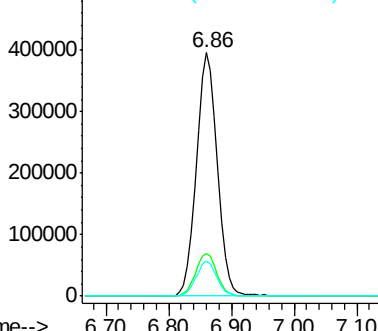
88 14.4 0.0 28.8

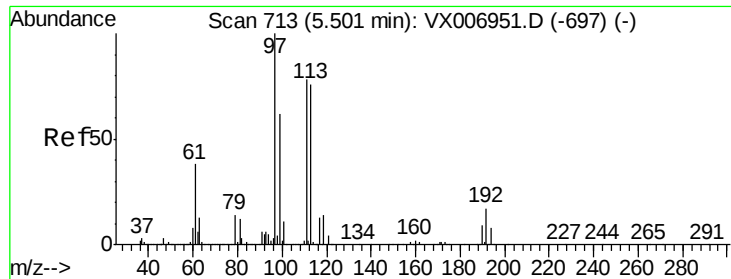


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.734 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007090.D

Acq: 17 Jan 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

SS038MW103-190115

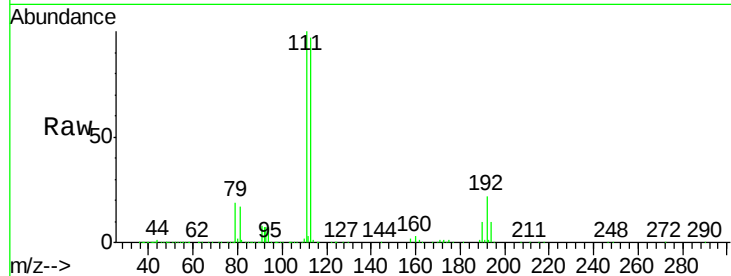
Tot Ion:113 Resp: 273563

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

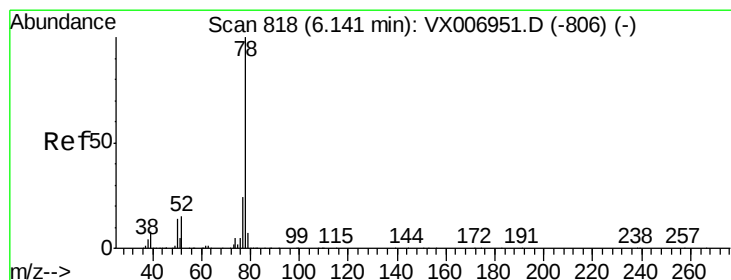
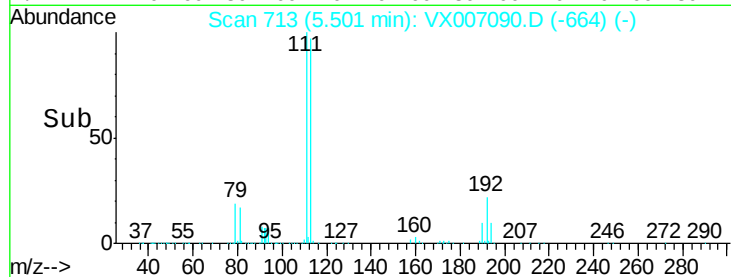
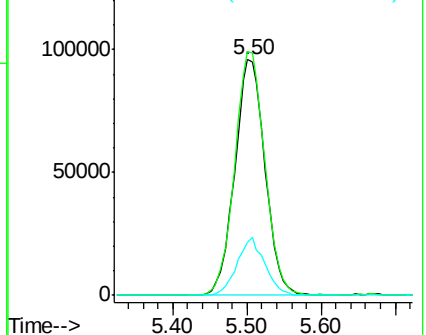
192 22.6 16.7 25.1



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: 0.358 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX007090.D

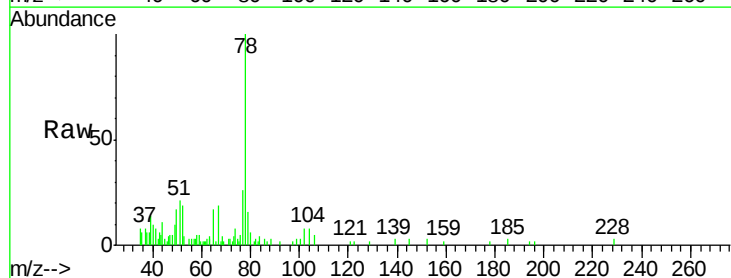
Acq: 17 Jan 2019 15:49

Tgt Ion: 78 Resp: 8693

Ion Ratio Lower Upper

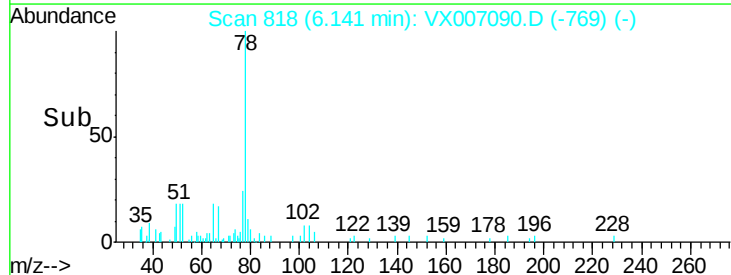
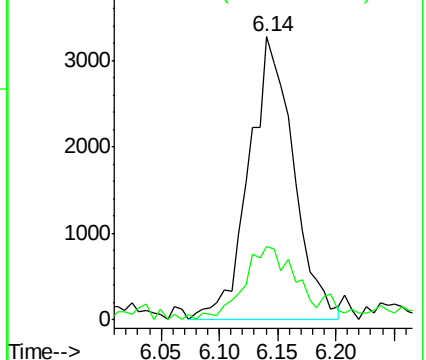
78 100

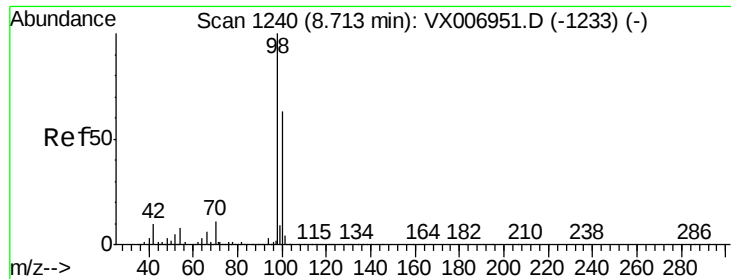
77 24.5 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 50.911 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007090.D

Acq: 17 Jan 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

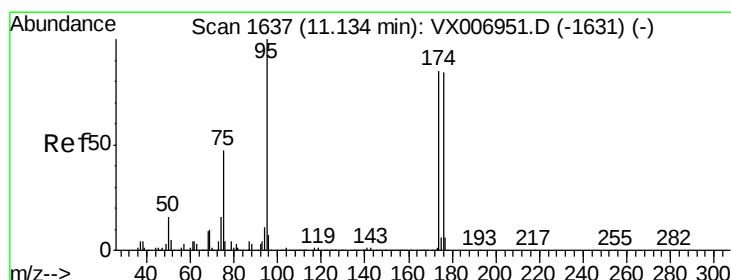
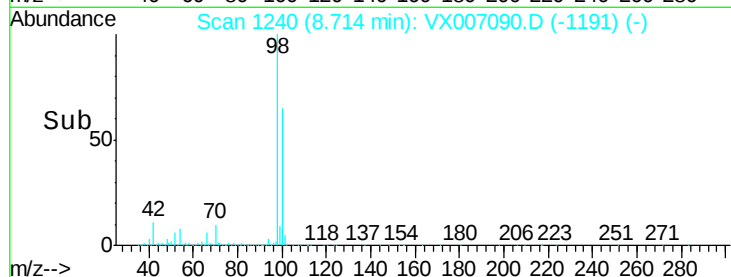
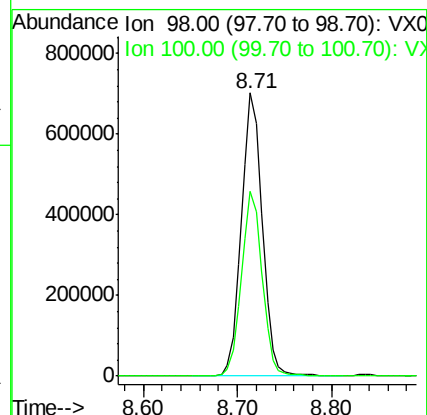
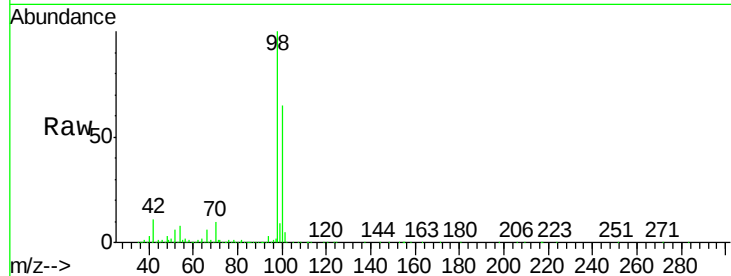
SS038MW103-190115

Tot Ion: 98 Resp: 1090826

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 53.863 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007090.D

Acq: 17 Jan 2019 15:49

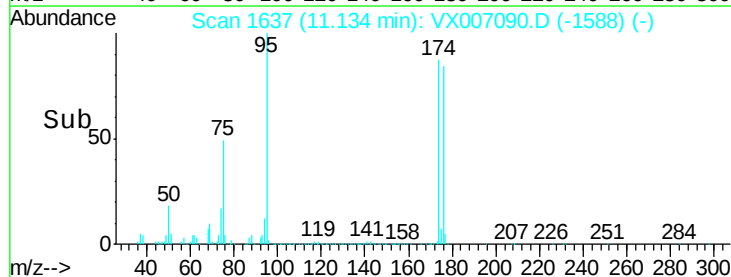
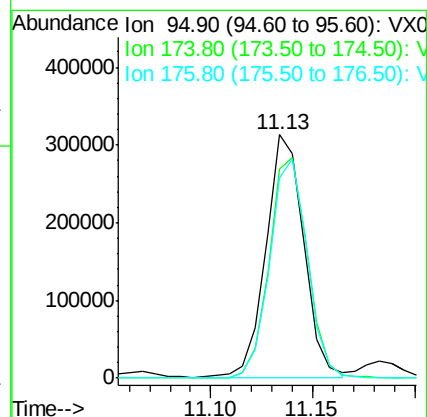
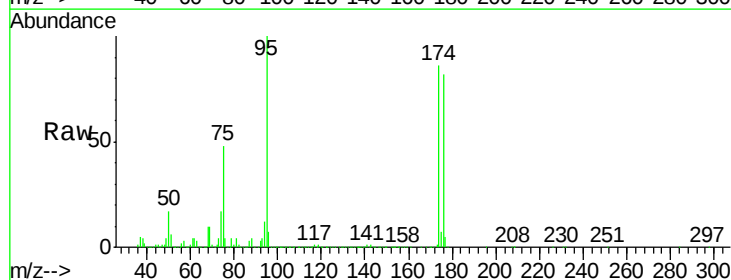
Tgt Ion: 95 Resp: 402342

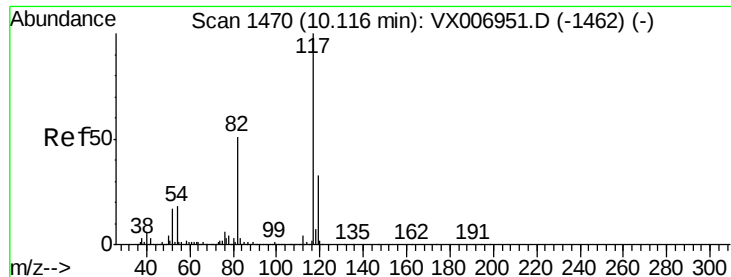
Ion Ratio Lower Upper

95 100

174 92.4 0.0 182.2

176 90.3 0.0 178.8

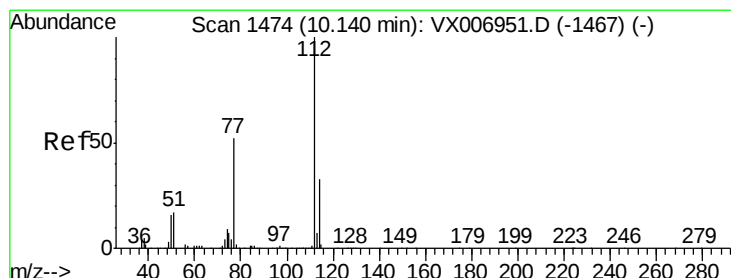
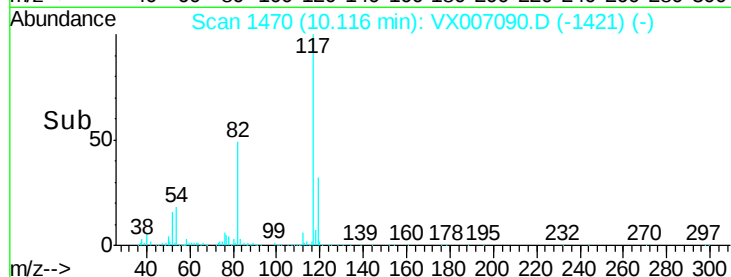
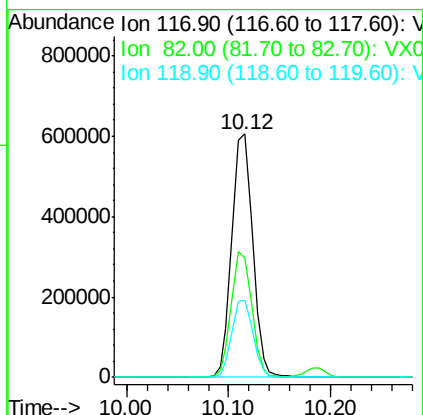
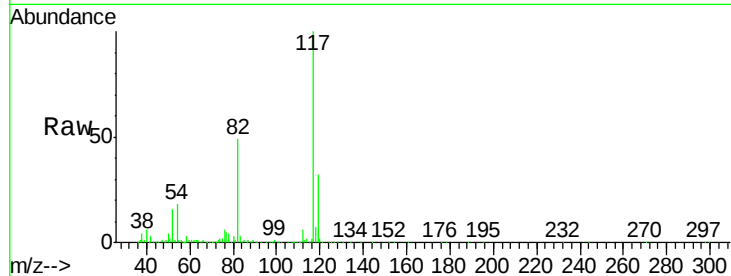




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX007090.D
Acq: 17 Jan 2019 15:49

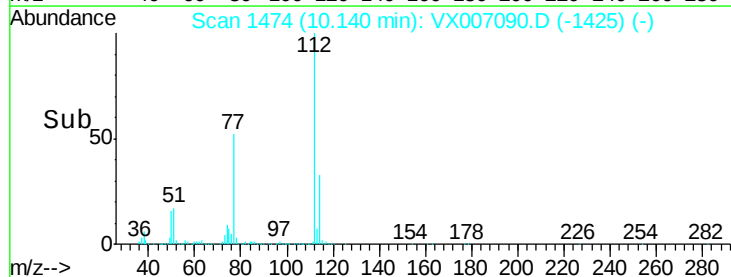
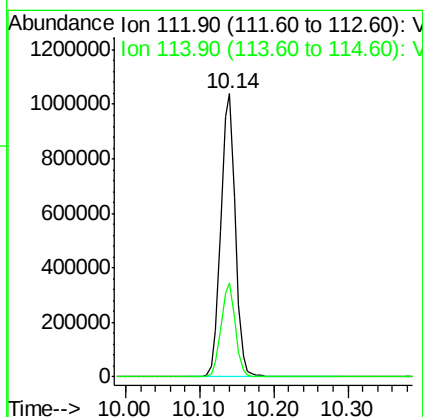
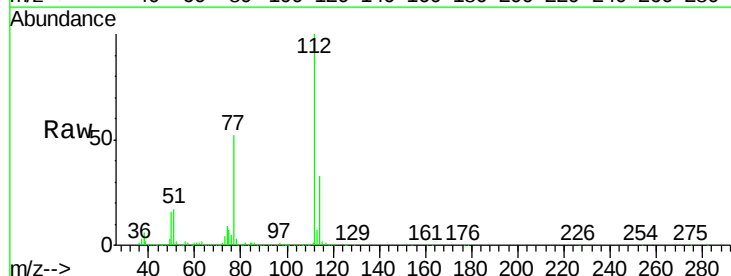
Instrument :
MSVOA_X
ClientSampleId :
SS038MW103-190115

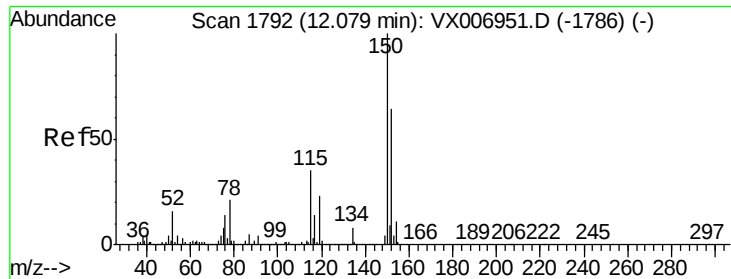
Tot Ion:117 Resp: 860191
Ion Ratio Lower Upper
117 100
82 48.8 41.0 61.6
119 31.9 25.4 38.0



#65
Chlorobenzene
Concen: 74.136 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007090.D
Acq: 17 Jan 2019 15:49

Tgt Ion:112 Resp: 1390873
Ion Ratio Lower Upper
112 100
114 33.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007090.D

Acq: 17 Jan 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

SS038MW103-190115

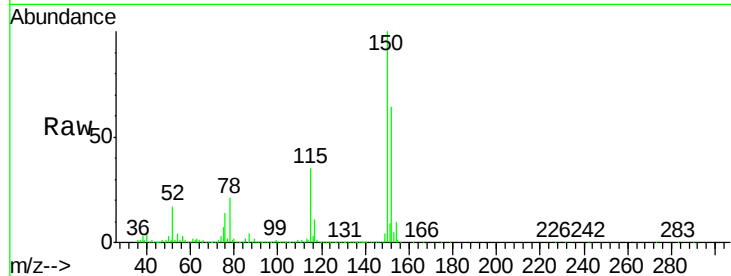
Tot Ion:152 Resp: 437641

Ion Ratio Lower Upper

152 100

115 54.7 39.1 117.2

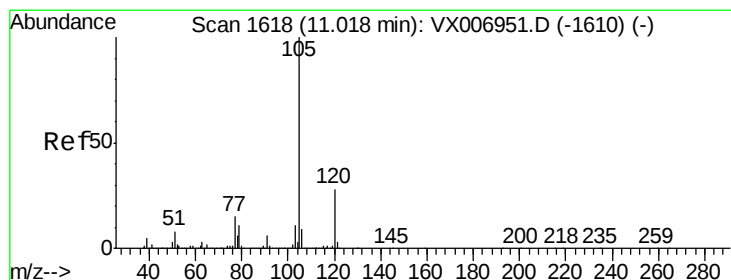
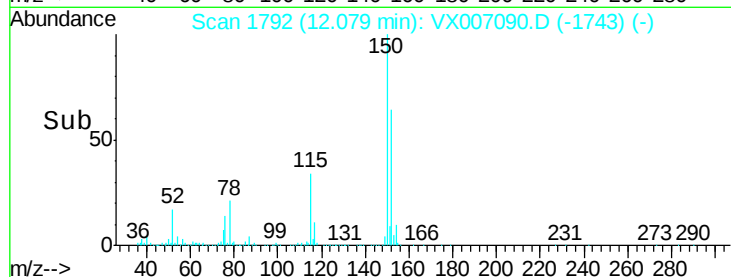
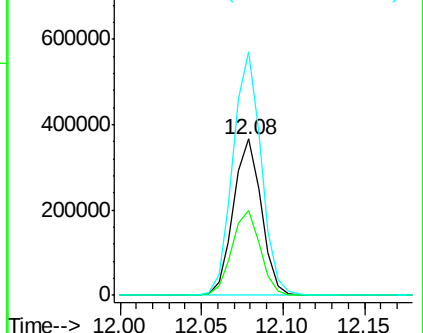
150 157.5 0.0 344.8



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: 1.327 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007090.D

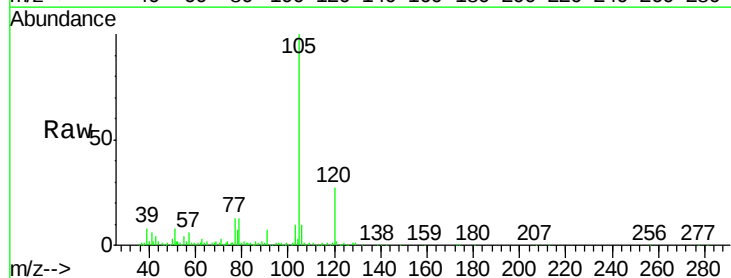
Acq: 17 Jan 2019 15:49

Tgt Ion:105 Resp: 40966

Ion Ratio Lower Upper

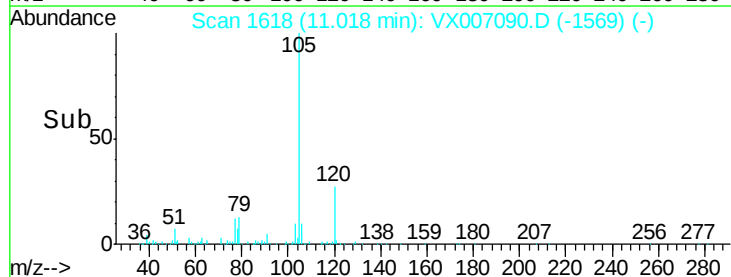
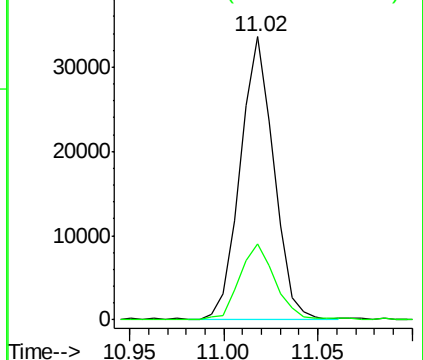
105 100

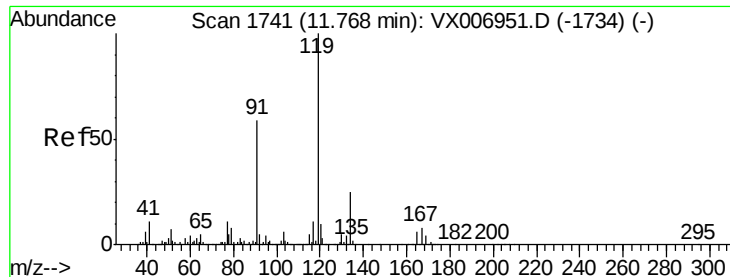
120 29.3 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

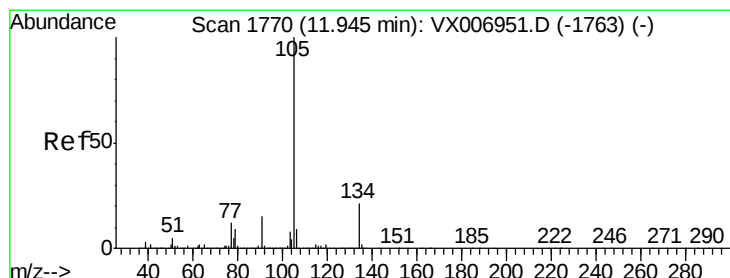
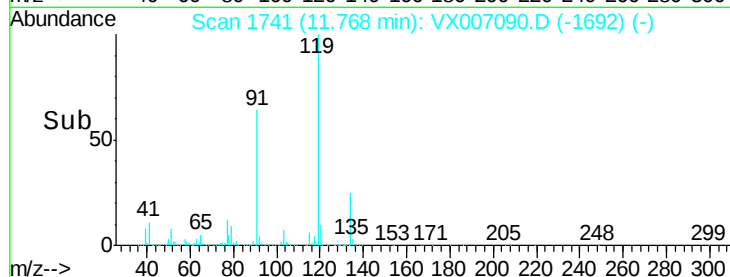
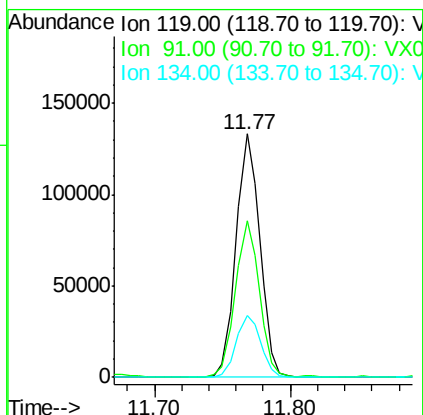
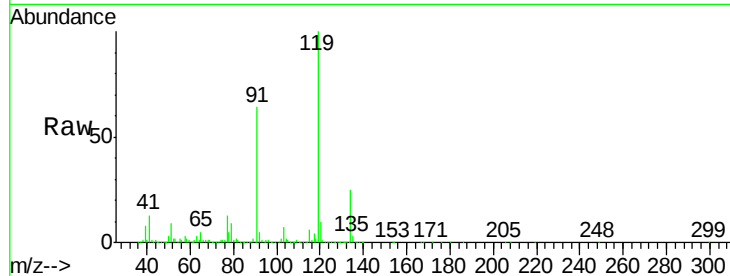




#83
tert-Butylbenzene
Concen: 6.325 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007090.D
Acq: 17 Jan 2019 15:49

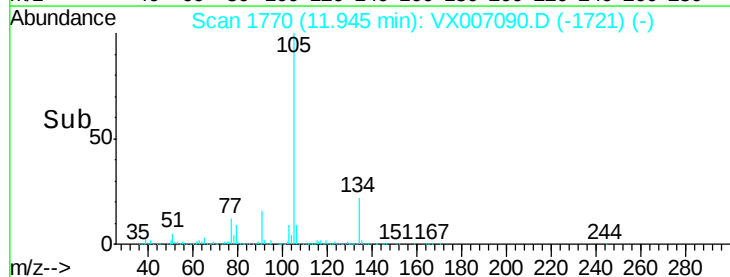
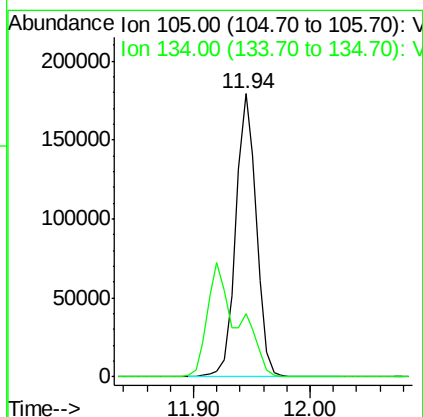
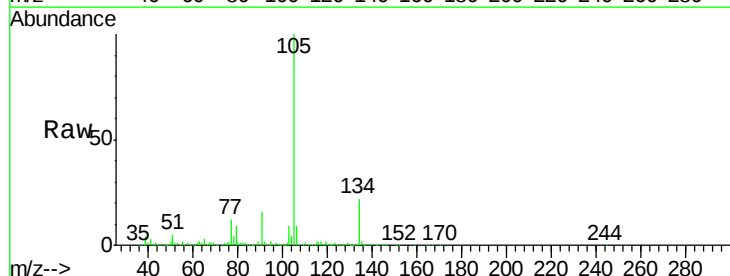
Instrument :
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SS038MW103-190115

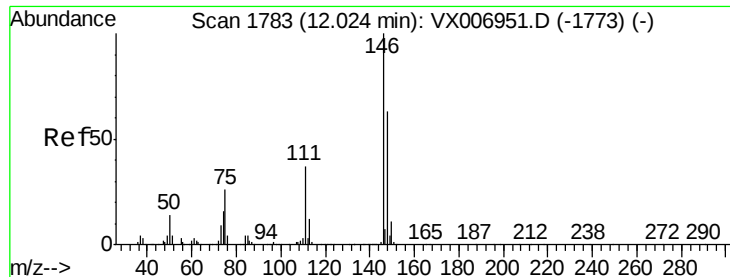
Tot Ion:119 Resp: 162719
Ion Ratio Lower Upper
119 100
91 64.6 27.7 83.1
134 26.3 11.9 35.5



#85
sec-Butylbenzene
Concen: 7.177 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX007090.D
Acq: 17 Jan 2019 15:49

Tgt Ion:105 Resp: 220505
Ion Ratio Lower Upper
105 100
134 0.0 10.7 31.9#

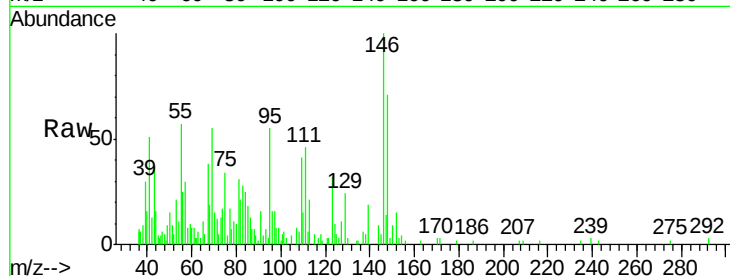




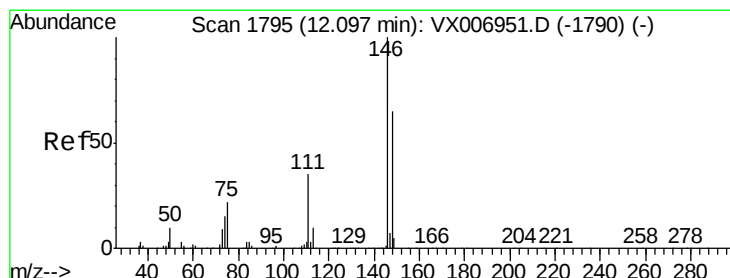
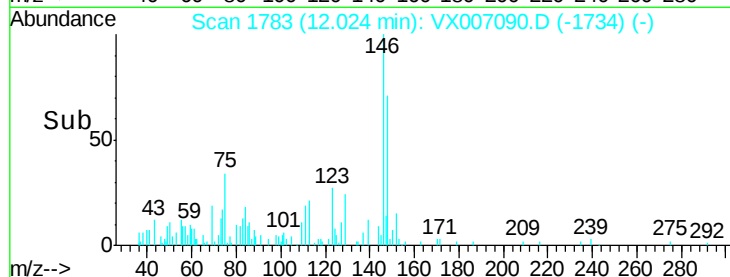
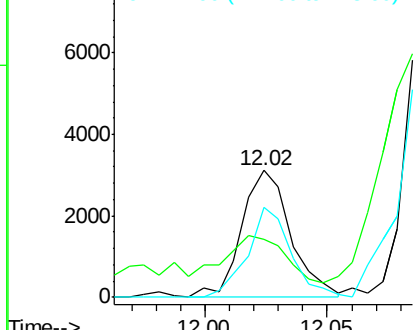
#87
 1,3-Dichlorobenzene
 Concen: 0.282 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007090.D
 Acq: 17 Jan 2019 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW103-190115

Tot Ion:146 Resp: 4339
 Ion Ratio Lower Upper
 146 100
 111 46.9 18.6 55.8
 148 63.4 31.8 95.3

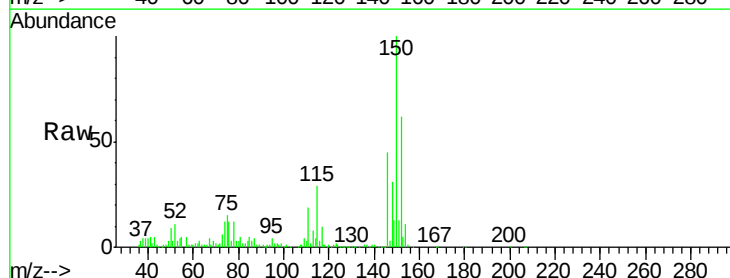


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

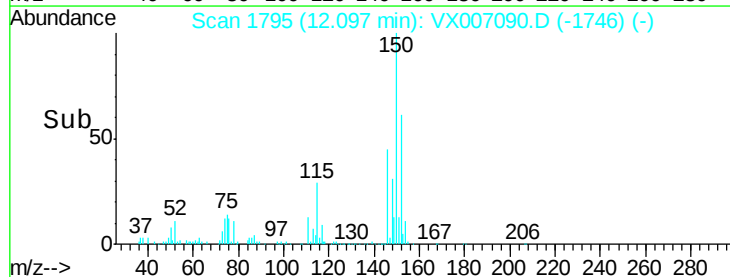
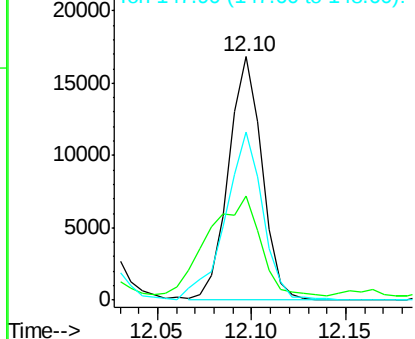


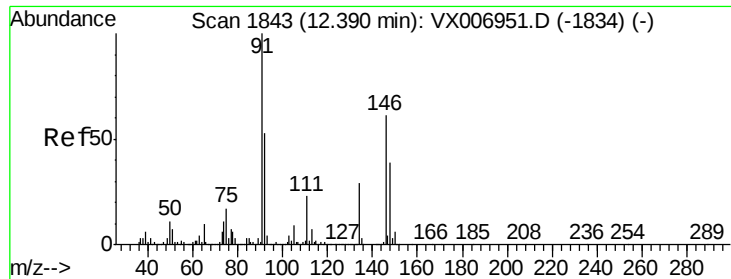
#88
 1,4-Dichlorobenzene
 Concen: 1.566 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007090.D
 Acq: 17 Jan 2019 15:49

Tgt Ion:146 Resp: 20748
 Ion Ratio Lower Upper
 146 100
 111 67.4 18.1 54.1#
 148 76.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 0.804 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007090.D

Acq: 17 Jan 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

SS038MW103-190115

Tot Ion:146 Resp: 12188

Ion Ratio Lower Upper

146 100

111 46.4 19.4 58.2

148 62.2 32.3 96.9

