

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
 Data File : VX007140.D
 Acq On : 18 Jan 2019 17:35
 Operator : JC/SP
 Sample : K1195-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW009-190116

Quant Time: Jan 18 23:02:24 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	532470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	826785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	778945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	407024	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	286064	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
35) Dibromofluoromethane	5.50	113	255325	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	986624	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.13	95	366526	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	

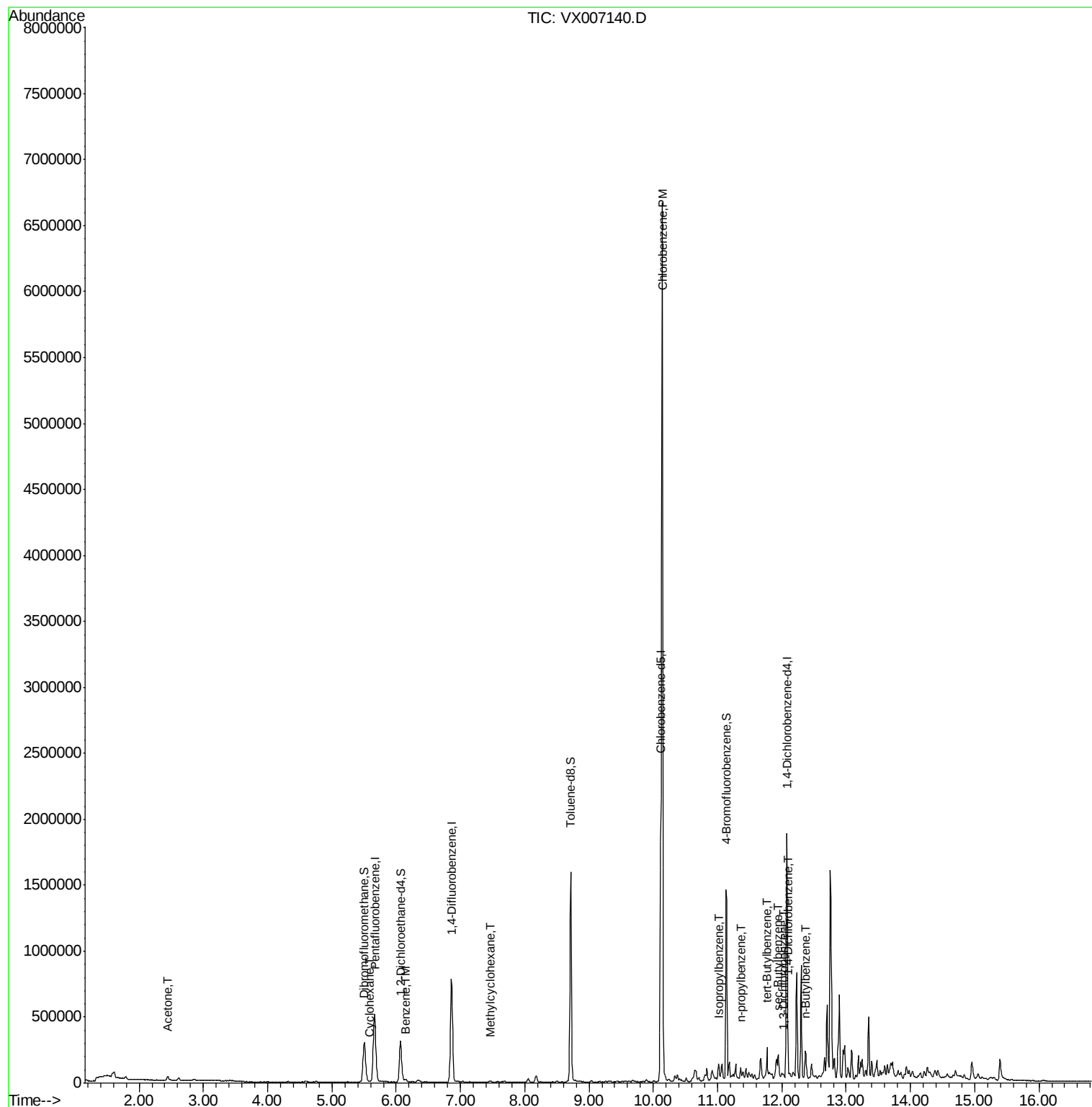
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	35185	12.790	ug/l	94
31) Cyclohexane	5.58	56	2091	0.266	ug/l #	51
39) Methylcyclohexane	7.47	83	3516	0.384	ug/l #	85
40) Benzene	6.15	78	24980	1.139	ug/l	98
65) Chlorobenzene	10.14	112	3004670	176.858	ug/l	98
73) Isopropylbenzene	11.02	105	66227	2.307	ug/l	99
78) n-propylbenzene	11.36	91	54828	1.740	ug/l	98
83) tert-Butylbenzene	11.77	119	83699	3.498	ug/l	86
85) sec-Butylbenzene	11.94	105	75148	2.630	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	4267	0.299	ug/l #	60
88) 1,4-Dichlorobenzene	12.10	146	8914	0.801	ug/l #	56
89) n-Butylbenzene	12.38	91	10737	0.493	ug/l #	65

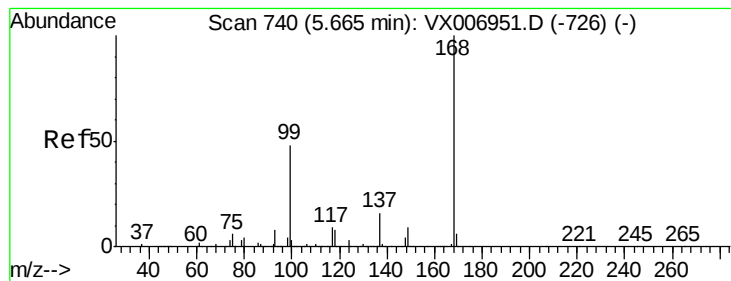
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

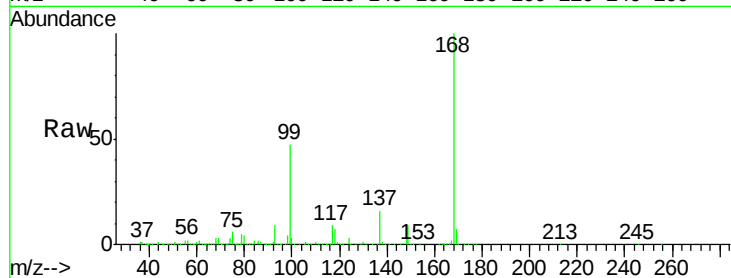
SS038MW009-190116

Tot Ion:168 Resp: 532470

Ion Ratio Lower Upper

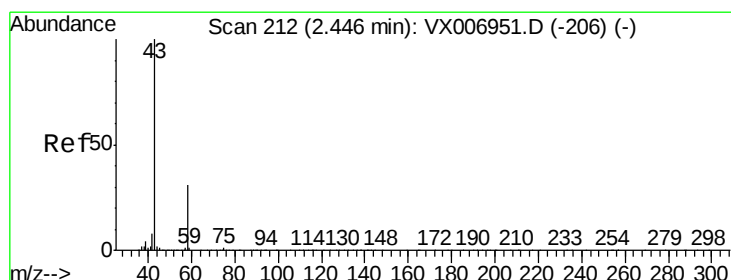
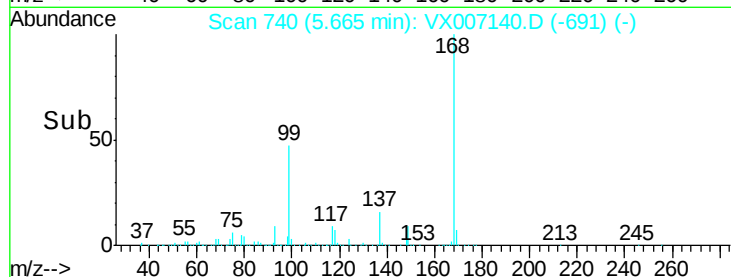
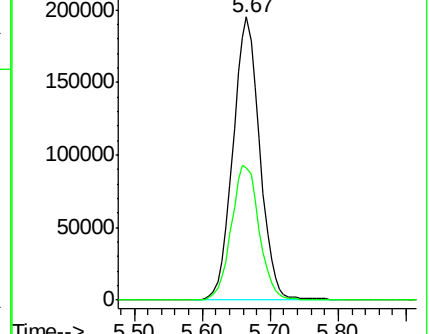
168 100

99 46.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 12.790 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007140.D

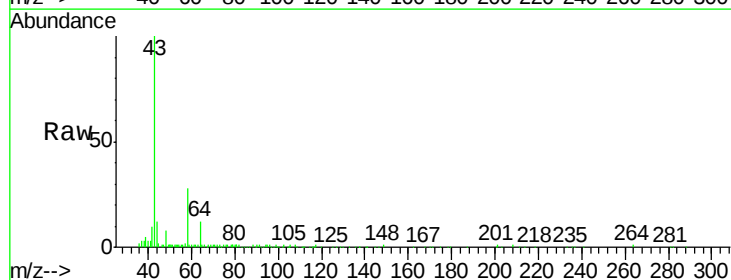
Acq: 18 Jan 2019 17:35

Tgt Ion: 43 Resp: 35185

Ion Ratio Lower Upper

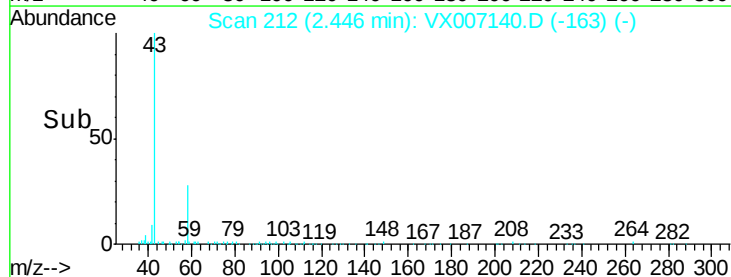
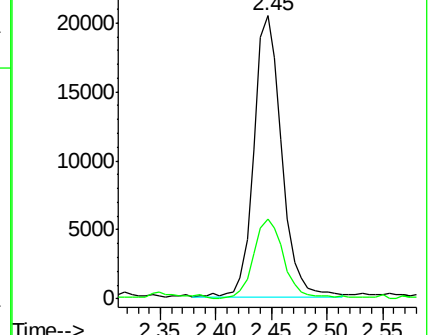
43 100

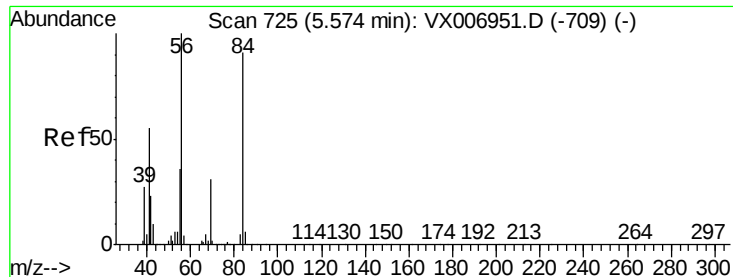
58 27.8 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 0.266 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

SS038MW009-190116

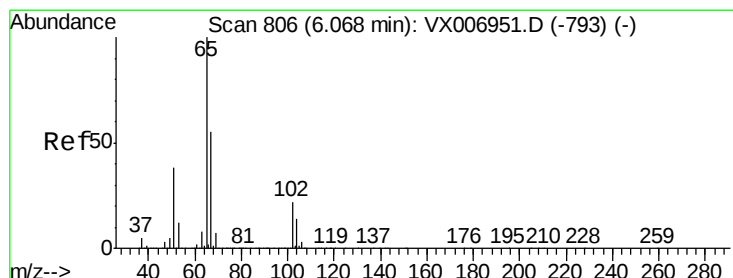
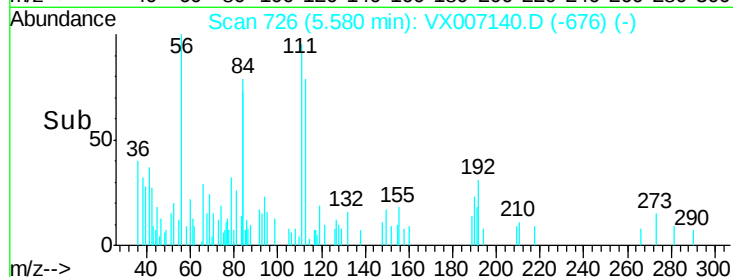
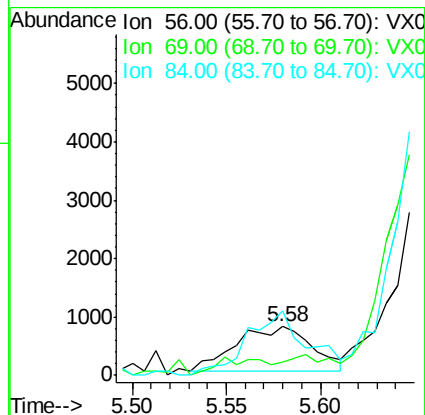
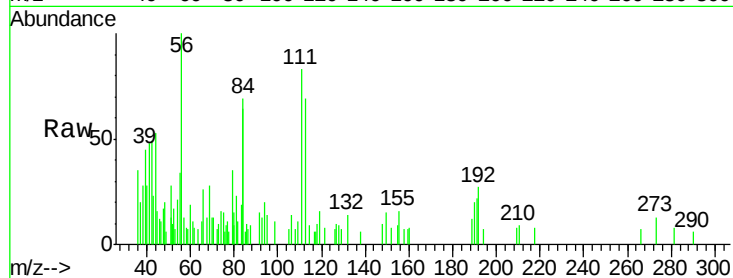
Tot Ion: 56 Resp: 2091

Ion Ratio Lower Upper

56 100

69 31.3 24.4 36.6

84 147.7 70.0 105.0#



#33

1,2-Dichloroethane-d4

Concen: 51.406 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007140.D

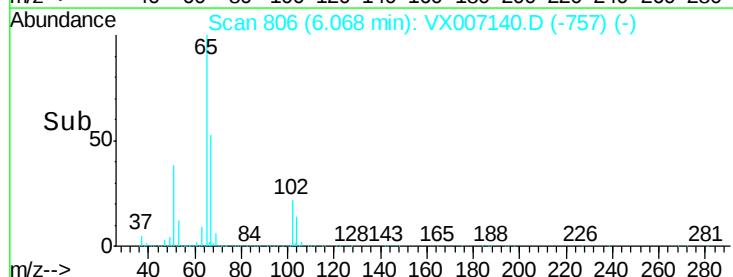
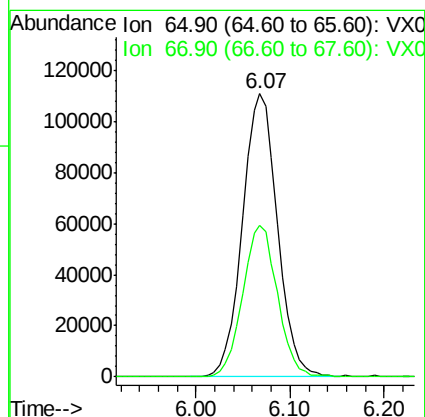
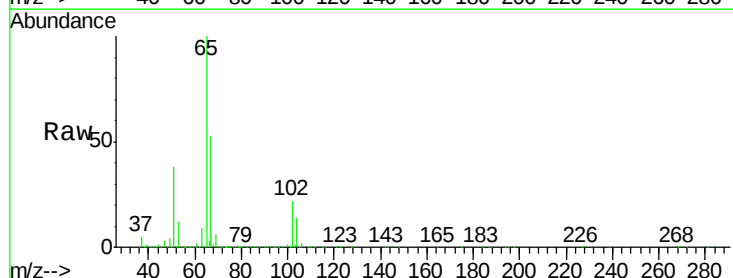
Acq: 18 Jan 2019 17:35

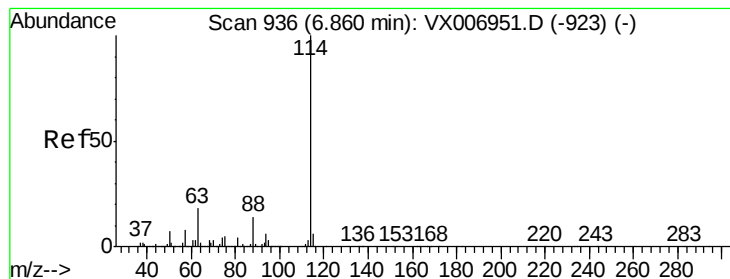
Tgt Ion: 65 Resp: 286064

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

SS038MW009-190116

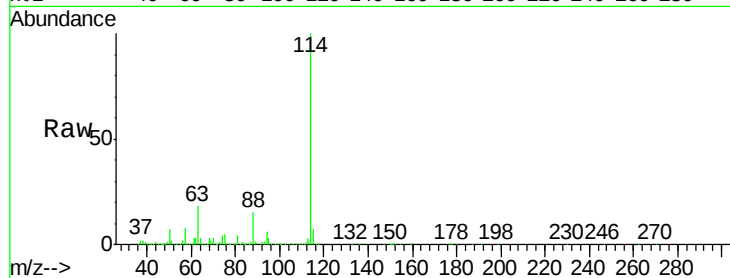
Tot Ion:114 Resp: 826785

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.8

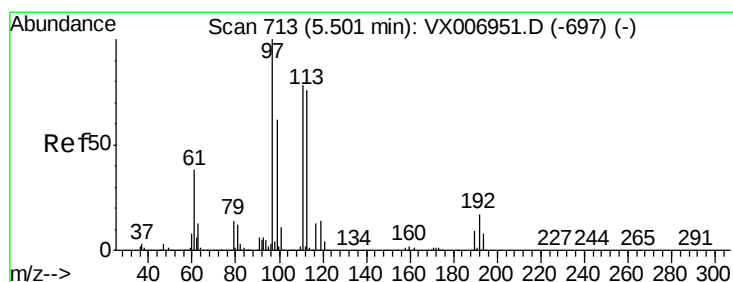
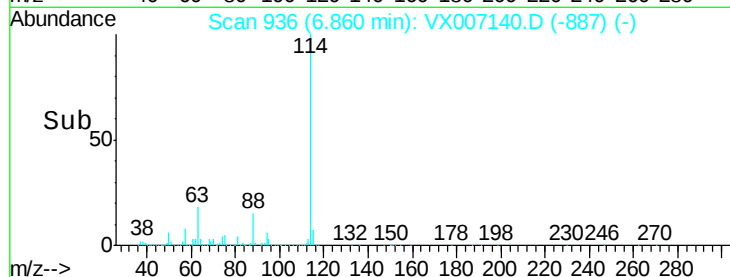
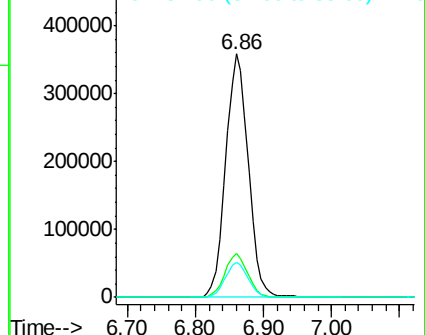
88 14.6 0.0 28.8



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: 48.223 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

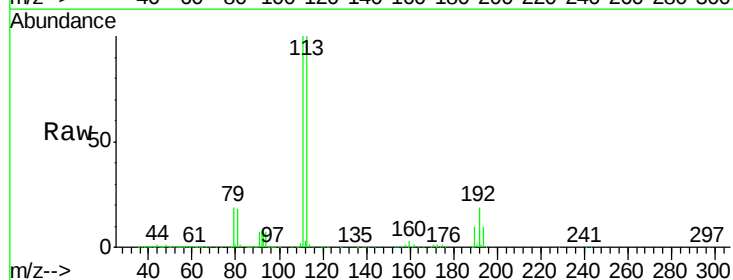
Tgt Ion:113 Resp: 255325

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

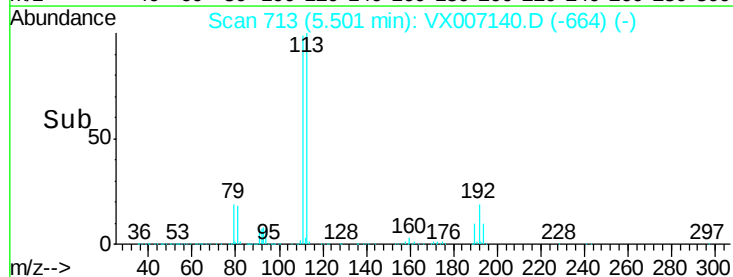
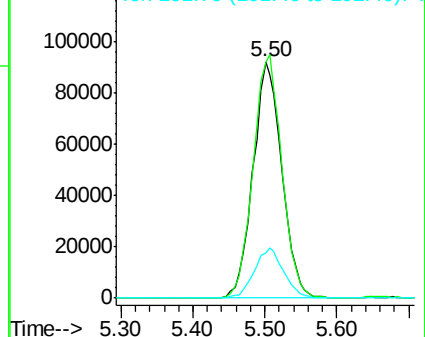
192 21.3 16.7 25.1

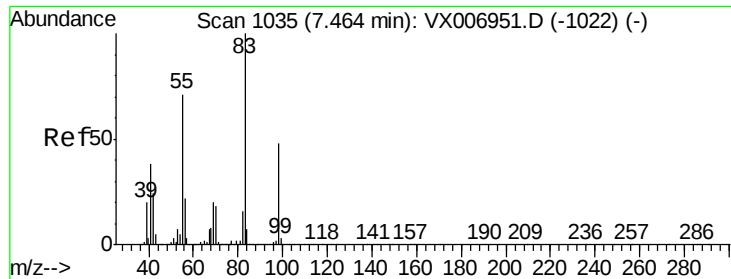


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

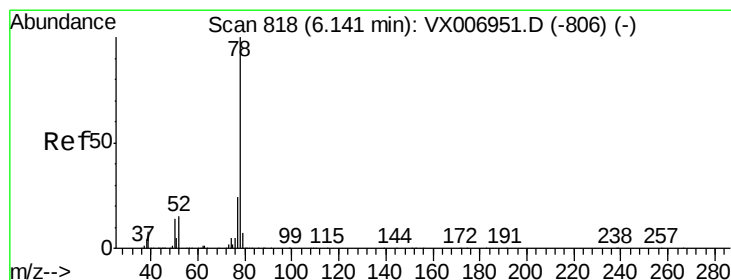
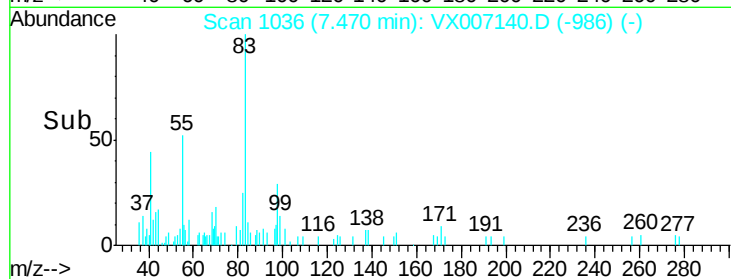
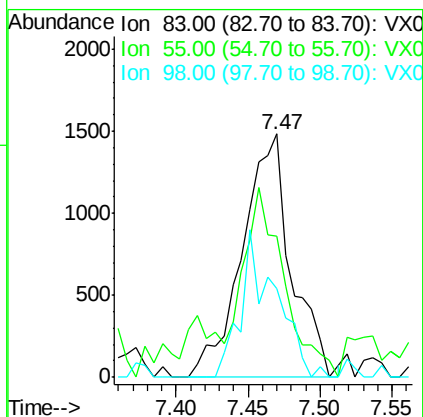
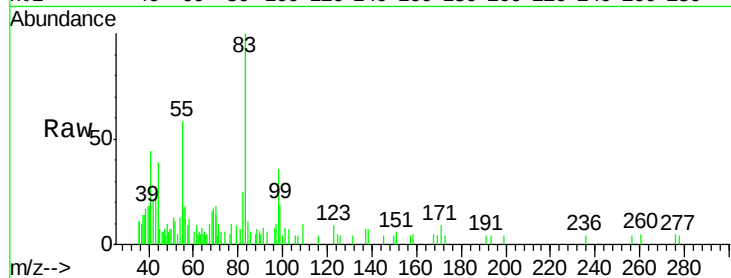




#39
Methvlcvclohexane
Concen: 0.384 ug/l
RT: 7.47 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VX007140.D
Acq: 18 Jan 2019 17:35

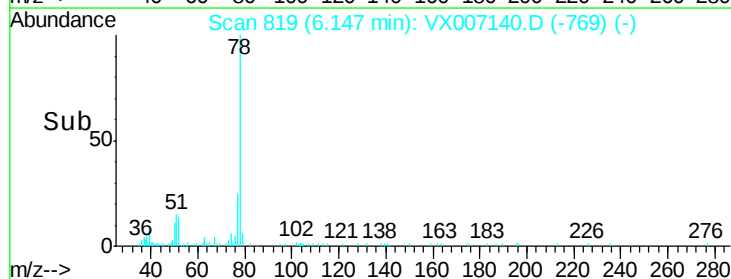
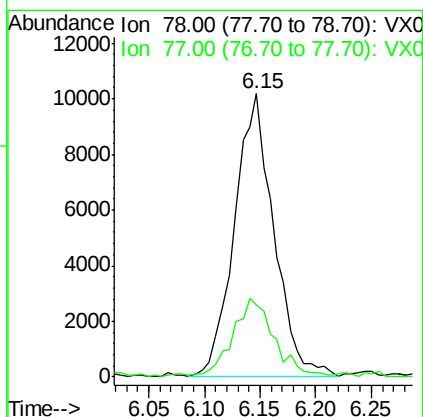
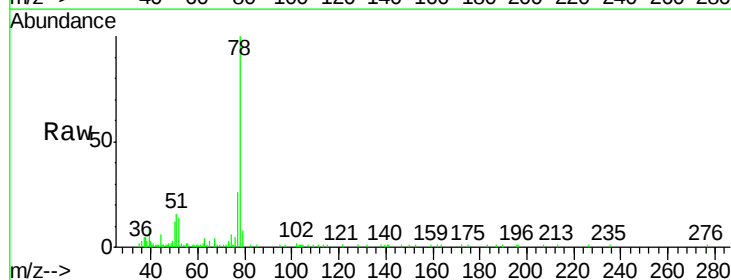
Instrument :
MSVOA_X
ClientSampleId :
SS038MW009-190116

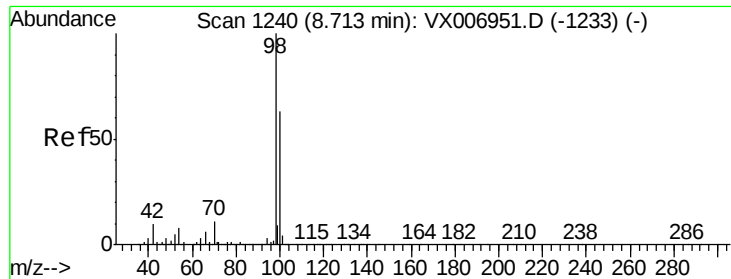
Tot Ion: 83 Resp: 3516
Ion Ratio Lower Upper
83 100
55 57.8 54.9 82.3
98 36.4 37.9 56.9#



#40
Benzene
Concen: 1.139 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007140.D
Acq: 18 Jan 2019 17:35

Tgt Ion: 78 Resp: 24980
Ion Ratio Lower Upper
78 100
77 25.0 19.2 28.8





#50

Toluene-d8

Concen: 50.909 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

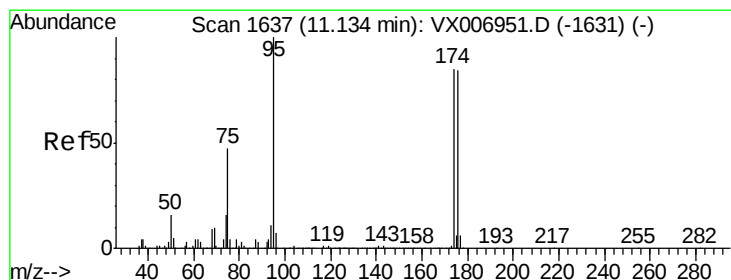
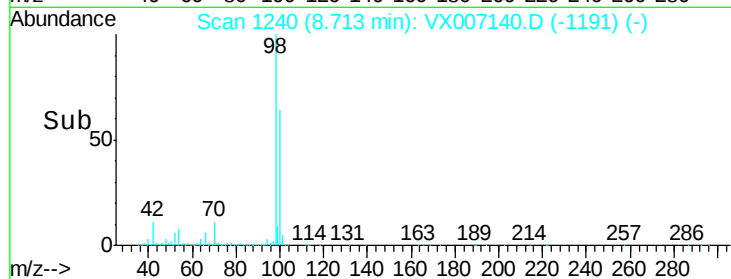
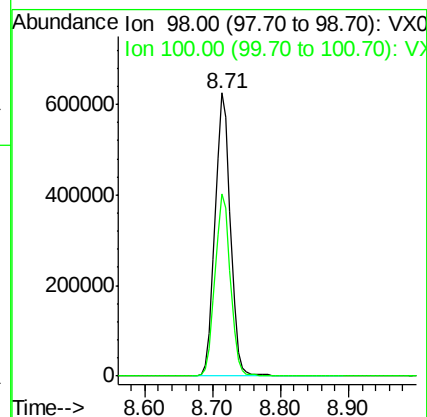
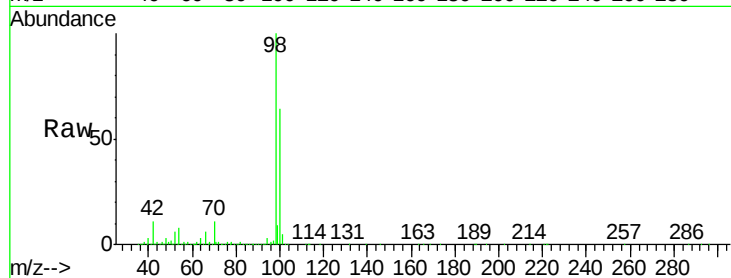
SS038MW009-190116

Tot Ion: 98 Resp: 986624

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 54.249 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

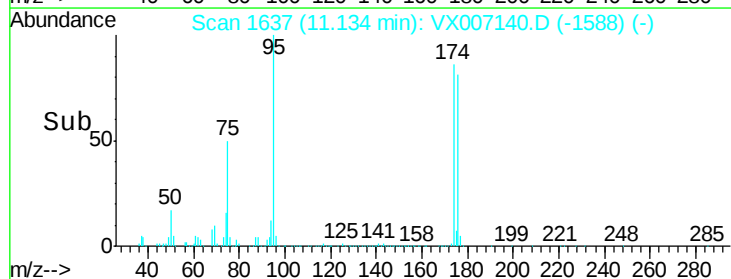
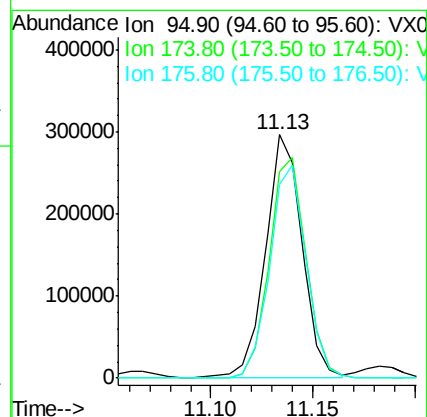
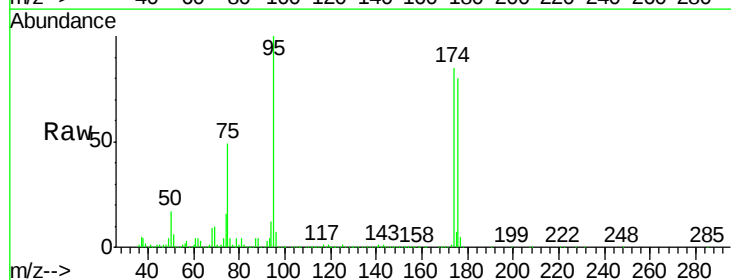
Tgt Ion: 95 Resp: 366526

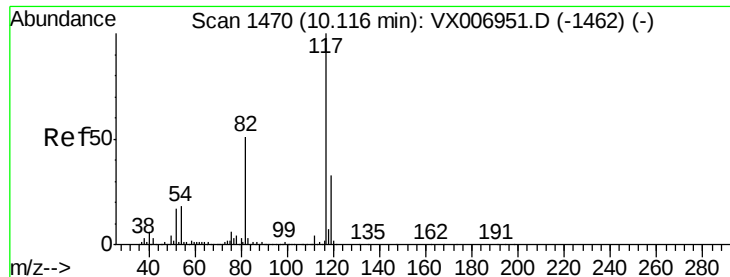
Ion Ratio Lower Upper

95 100

174 92.5 0.0 182.2

176 88.3 0.0 178.8

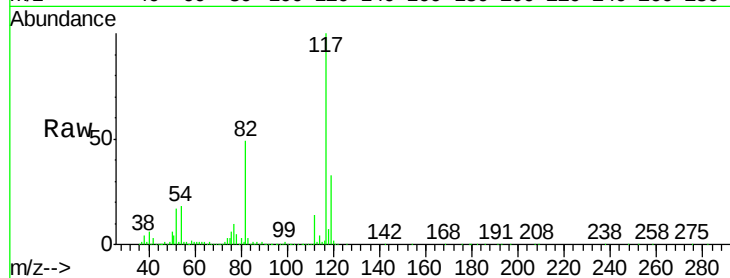




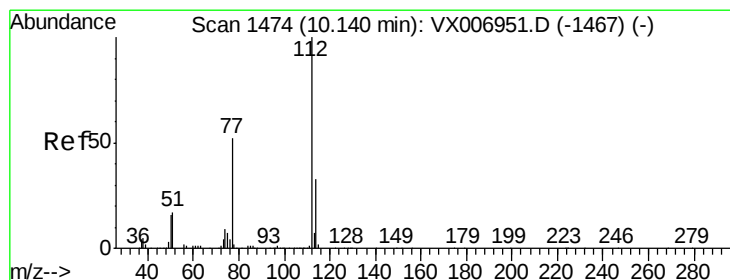
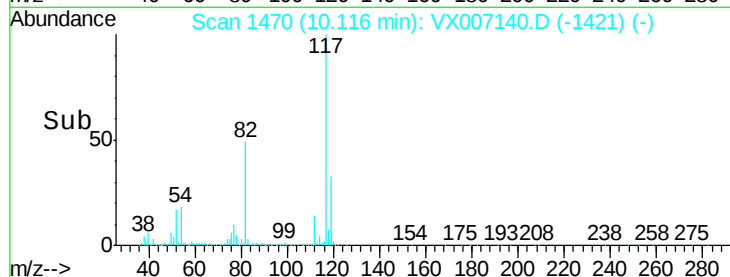
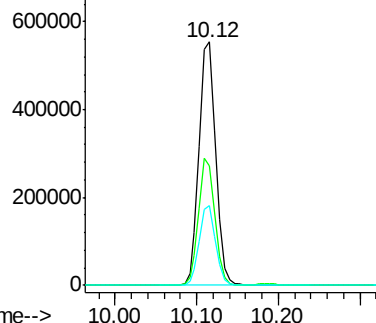
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007140.D
Acq: 18 Jan 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
SS038MW009-190116

Tot Ion:117 Resp: 778945
Ion Ratio Lower Upper
117 100
82 48.9 41.0 61.6
119 32.8 25.4 38.0

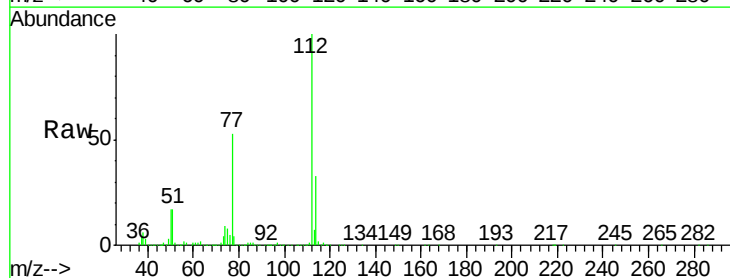


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

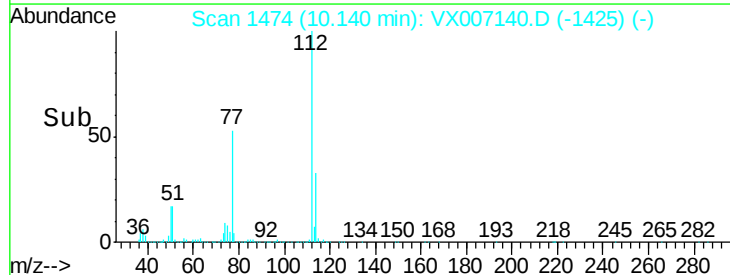
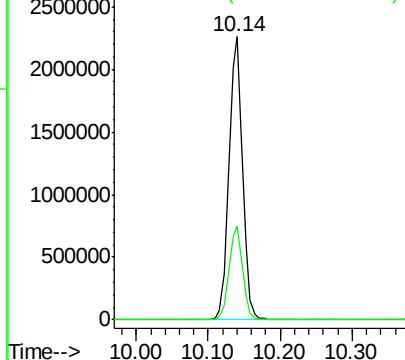


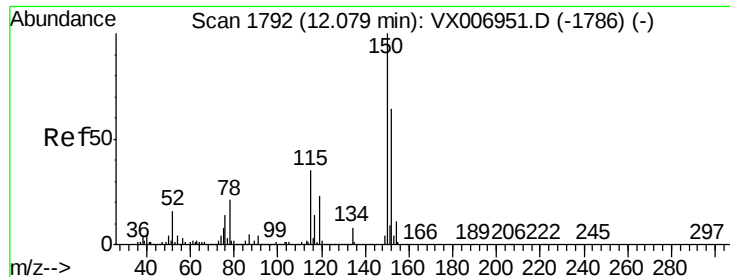
#65
Chlorobenzene
Concen: 176.858 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007140.D
Acq: 18 Jan 2019 17:35

Tgt Ion:112 Resp: 3004670
Ion Ratio Lower Upper
112 100
114 33.0 25.7 38.5



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



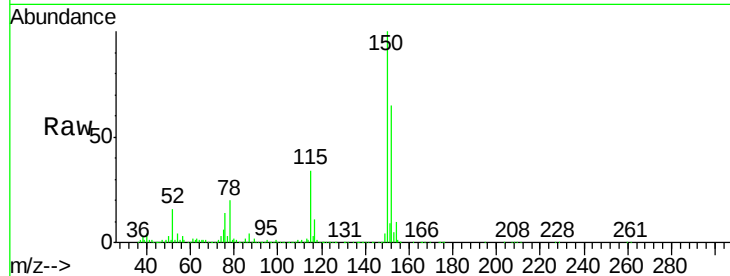


#72

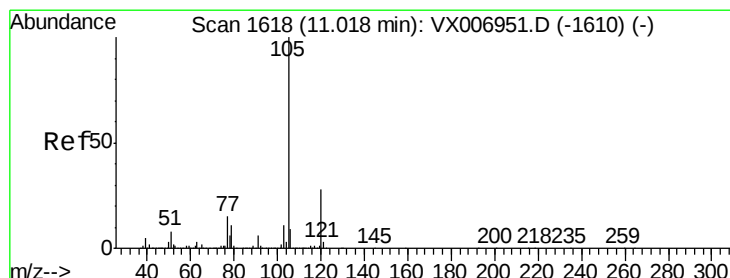
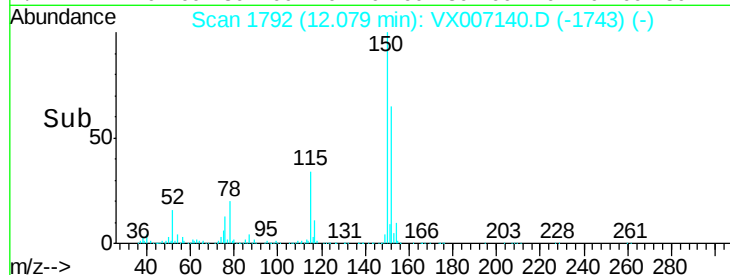
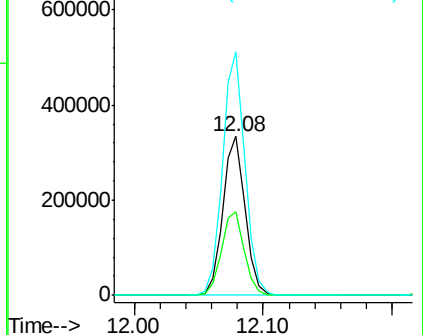
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007140.D
Acq: 18 Jan 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
SS038MW009-190116

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.0	39.1	117.2
150	154.2	0.0	344.8



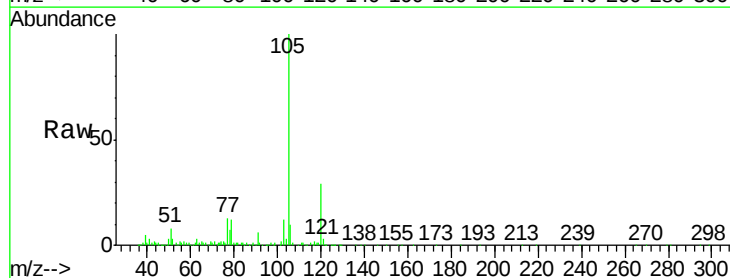
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



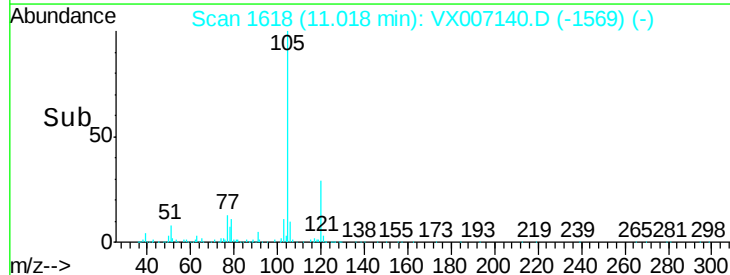
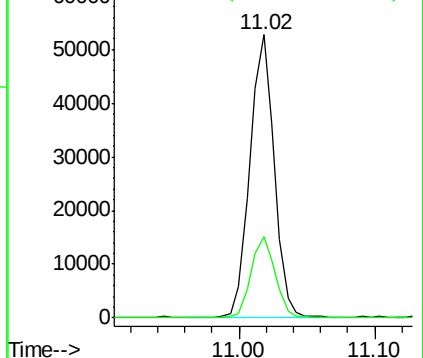
#73

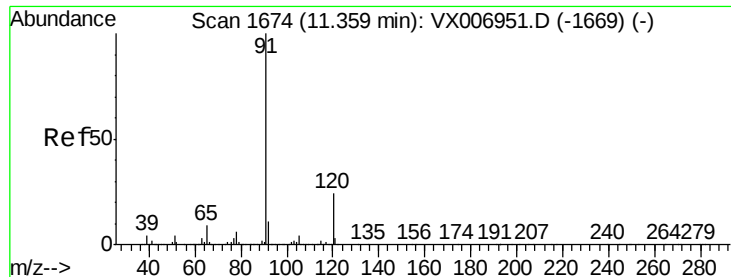
Isopropylbenzene
Concen: 2.307 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007140.D
Acq: 18 Jan 2019 17:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.8	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: 1.740 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

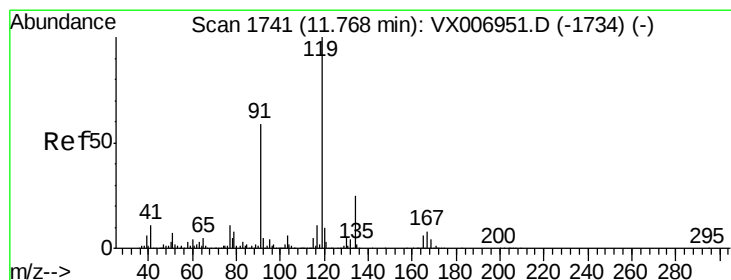
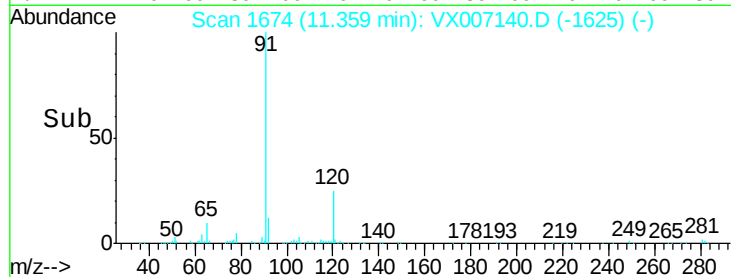
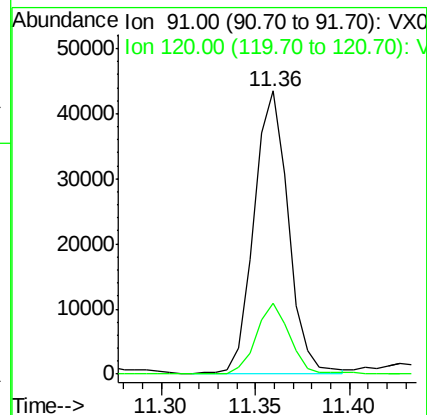
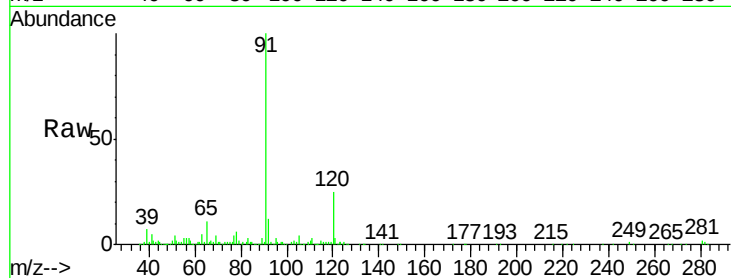
SS038MW009-190116

Tot Ion: 91 Resp: 54828

Ion Ratio Lower Upper

91 100

120 24.4 12.7 38.0



#83

tert-Butylbenzene

Concen: 3.498 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

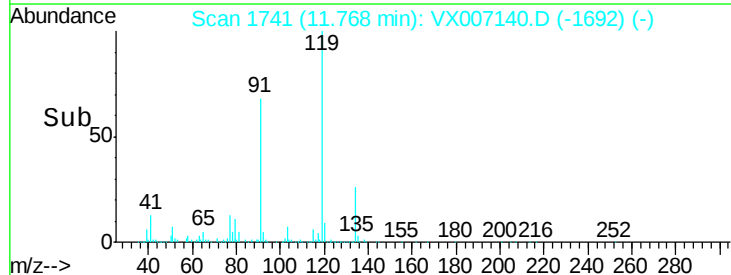
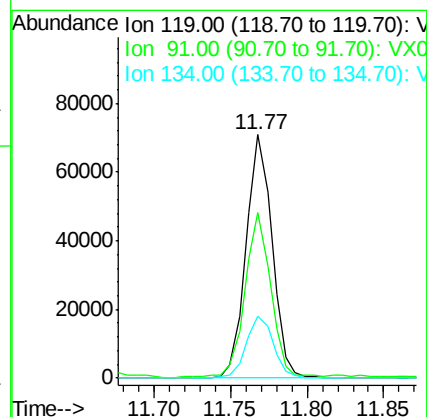
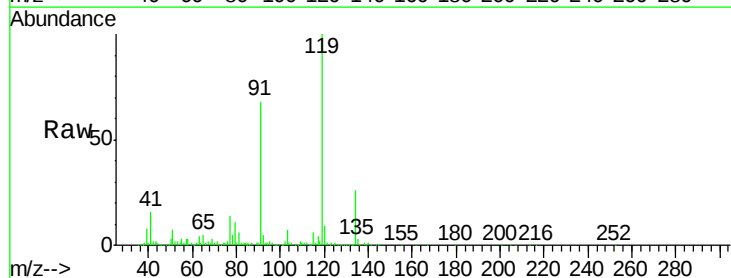
Tgt Ion: 119 Resp: 83699

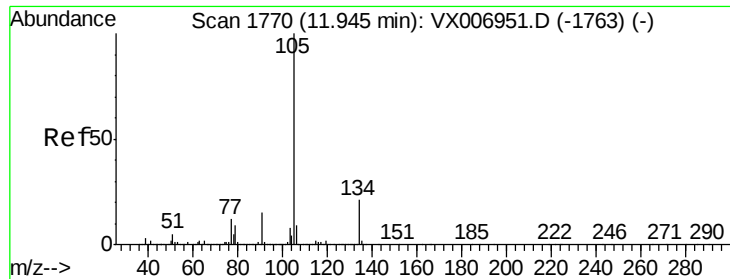
Ion Ratio Lower Upper

119 100

91 68.4 27.7 83.1

134 26.5 11.9 35.5





#85

sec-Butylbenzene

Concen: 2.630 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

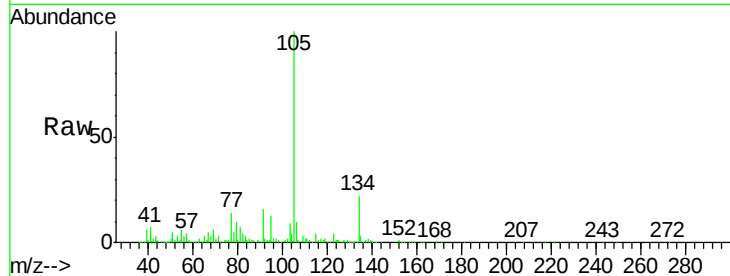
SS038MW009-190116

Tot Ion:105 Resp: 75148

Ion Ratio Lower Upper

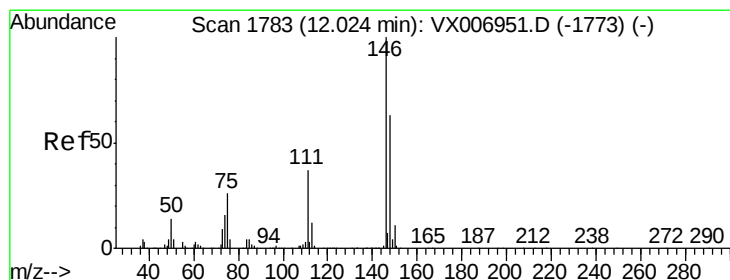
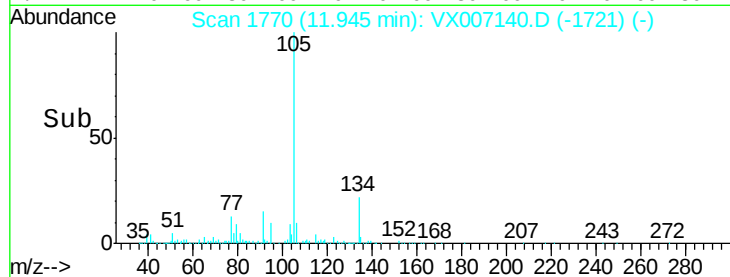
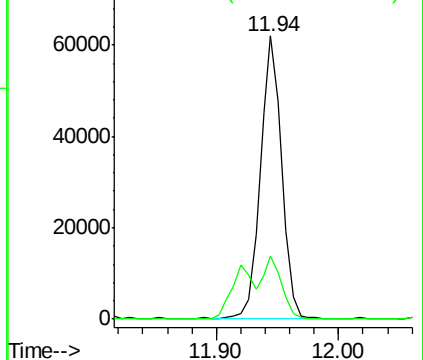
105 100

134 19.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.299 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

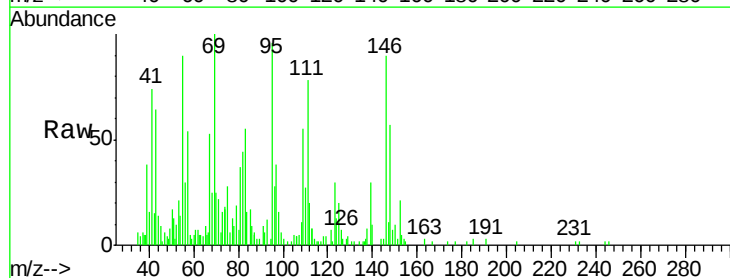
Tgt Ion:146 Resp: 4267

Ion Ratio Lower Upper

146 100

111 96.2 18.6 55.8#

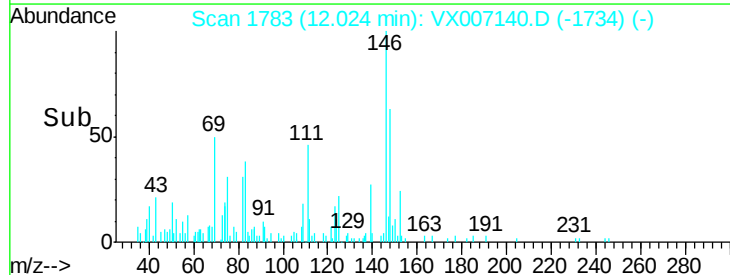
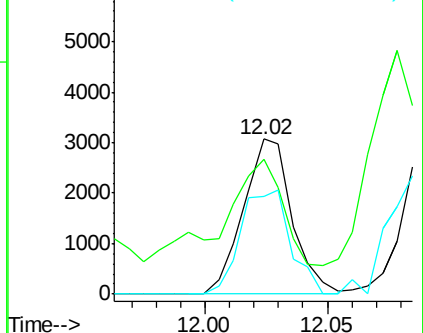
148 68.2 31.8 95.3

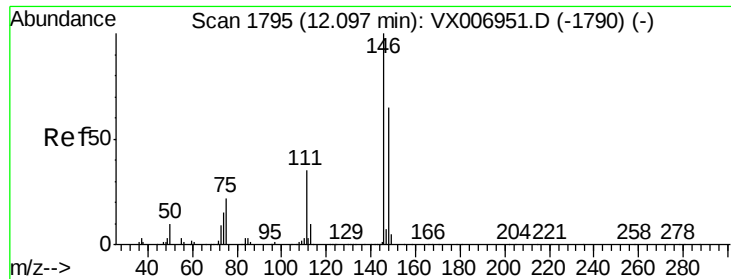


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.801 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

SS038MW009-190116

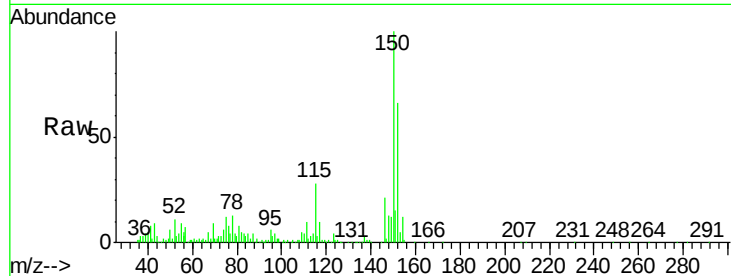
Tot Ion:146 Resp: 8914

Ion Ratio Lower Upper

146 100

111 92.1 18.1 54.1#

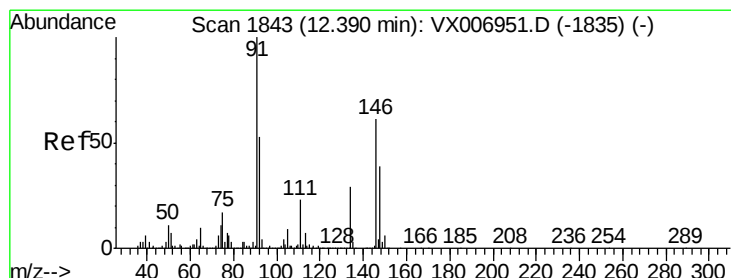
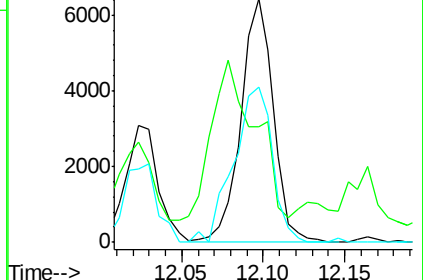
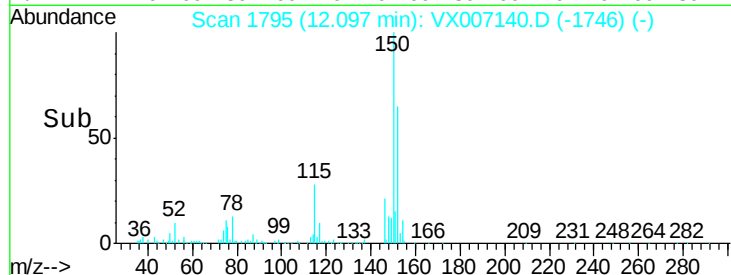
148 76.3 31.9 95.9



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



#89

n-Butylbenzene

Concen: 0.493 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX007140.D

Acq: 18 Jan 2019 17:35

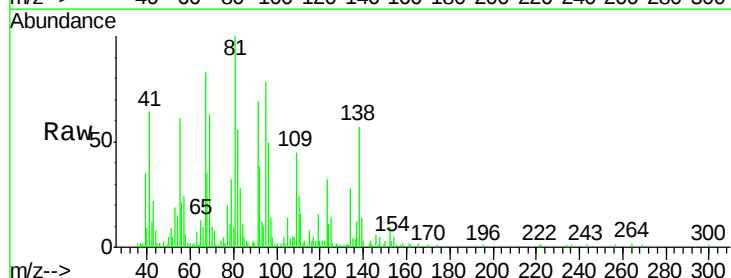
Tgt Ion: 91 Resp: 10737

Ion Ratio Lower Upper

91 100

92 35.6 26.8 80.4

134 57.5 14.4 43.2#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

