

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011819\
 Data File : VX007138.D
 Acq On : 18 Jan 2019 16:42
 Operator : JC/SP
 Sample : K1195-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW013-190116

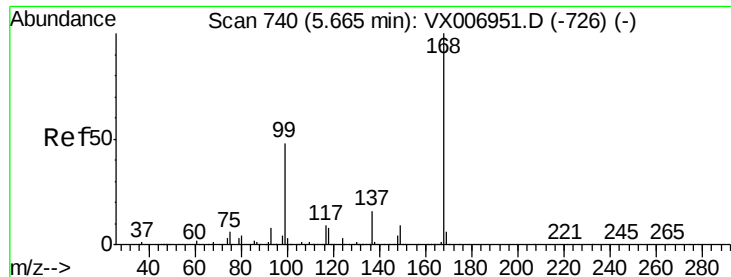
Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 11:00:02 AM

Quant Time: Jan 18 22:46:51 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	522228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	817314	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	770140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	393704	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	281611	51.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.20%	
35) Dibromofluoromethane	5.51	113	249272	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	
50) Toluene-d8	8.71	98	976195	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.13	95	360738	54.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.02%	
Target Compounds						
					Qvalue	
27) cis-1,2-Dichloroethene	4.61	96	5067	0.859	ug/l	97
31) Cyclohexane	5.58	56	7206	0.936	ug/l #	79
39) Methylcyclohexane	7.46	83	11807	1.303	ug/l	89
40) Benzene	6.15	78	82241	3.793	ug/l	100
52) Toluene	8.79	92	4296	0.308	ug/l	93
65) Chlorobenzene	10.14	112	3026273	180.166	ug/l	97
69) o-Xylene	10.69	106	4309	0.404	ug/l	94
73) Isopropylbenzene	11.02	105	190144	6.849	ug/l	98
78) n-propylbenzene	11.36	91	160782	5.276	ug/l	98
83) tert-Butylbenzene	11.77	119	156414	6.758	ug/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	7272m	0.312	ug/l	
85) sec-Butylbenzene	11.94	105	294051	10.638	ug/l #	55
87) 1,3-Dichlorobenzene	12.02	146	3880	0.281	ug/l	86
88) 1,4-Dichlorobenzene	12.10	146	14073m	1.216	ug/l	
89) n-Butylbenzene	12.39	91	17627m	0.836	ug/l	
91) 1,2-Dichlorobenzene	12.39	146	14625	1.072	ug/l	97
95) Naphthalene	13.83	128	16652	0.587	ug/l #	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion:168 Resp: 522228

Ion Ratio Lower Upper

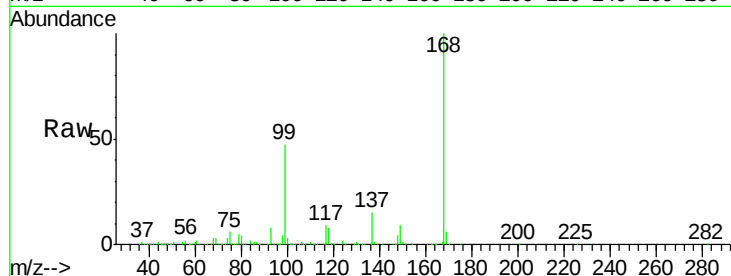
168 100

99 47.1 41.8 62.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

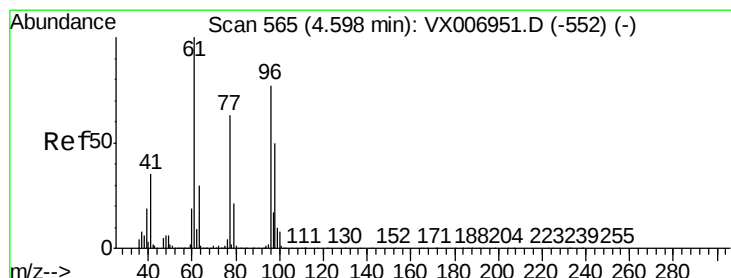
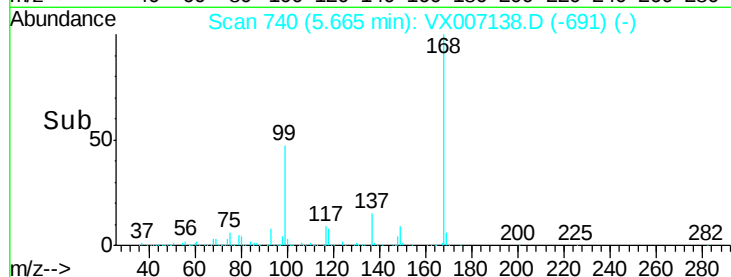
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 0.859 ug/l

RT: 4.61 min Scan# 567

Delta R.T. 0.01 min

Lab File: VX007138.D

Acq: 18 Jan 2019 16:42

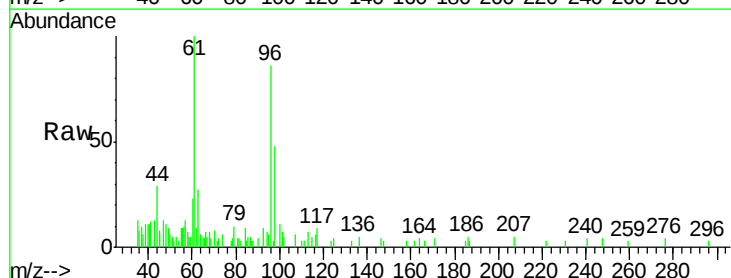
Tgt Ion: 96 Resp: 5067

Ion Ratio Lower Upper

96 100

61 126.4 0.0 258.6

98 63.6 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

4.61

3000

2500

2000

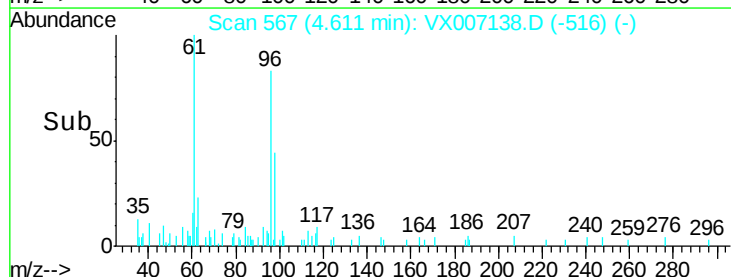
1500

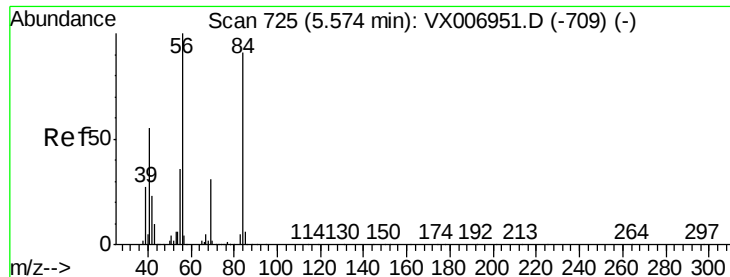
1000

500

0

Time--> 4.50 4.60 4.70





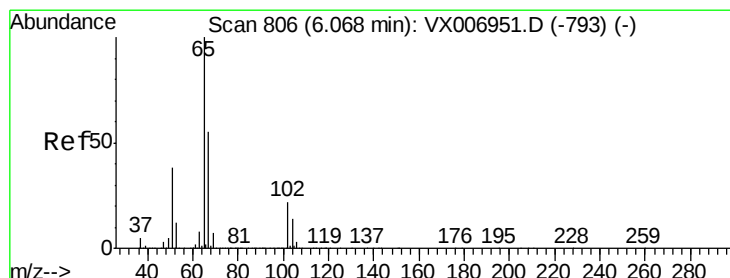
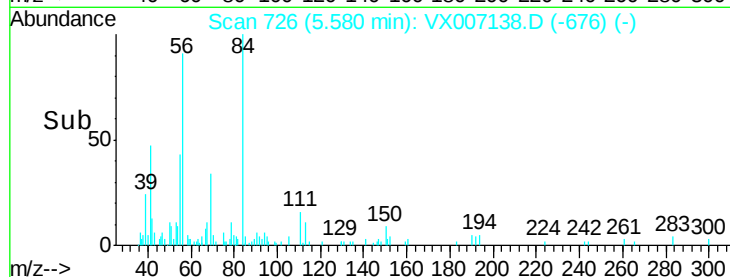
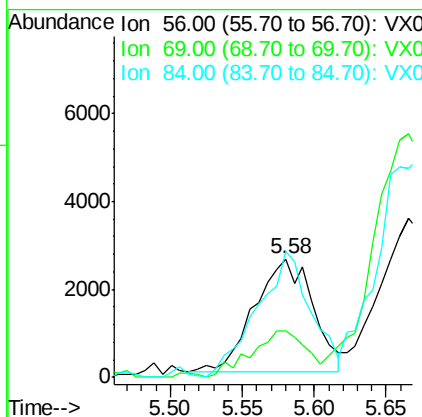
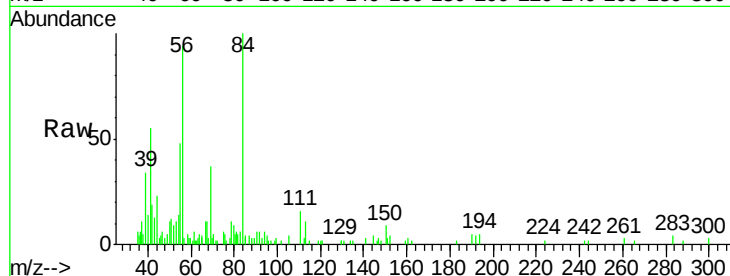
#31
Cyclohexane
Concen: 0.936 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007138.D
Acq: 18 Jan 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
SS038MW013-190116

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	24.4	36.6#
84	108.3	70.0	105.0#

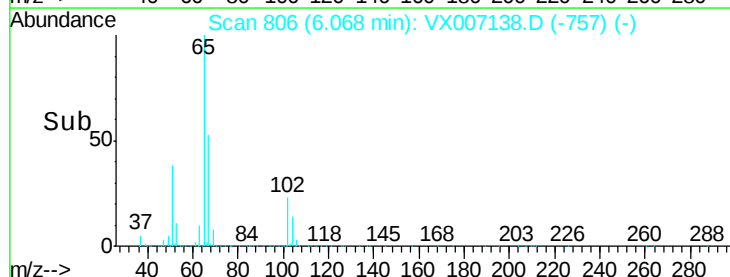
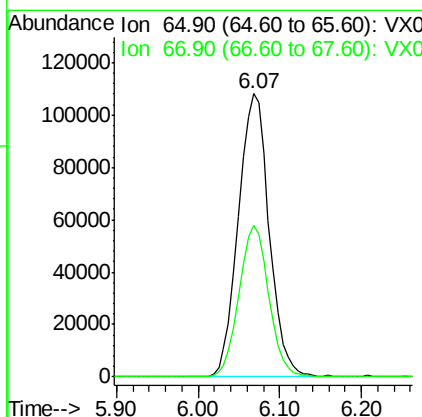
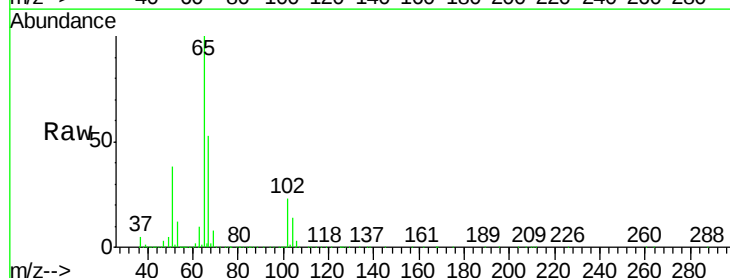
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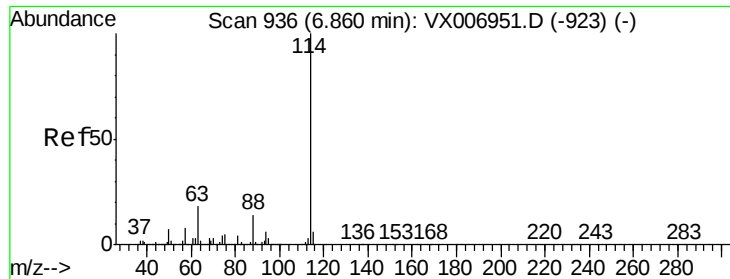
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#33
1,2-Dichloroethane-d4
Concen: 51.599 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007138.D
Acq: 18 Jan 2019 16:42

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.8	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: VX007138.D

Acq: 18 Jan 2019 16:42

Instrument :

MSVOA_X

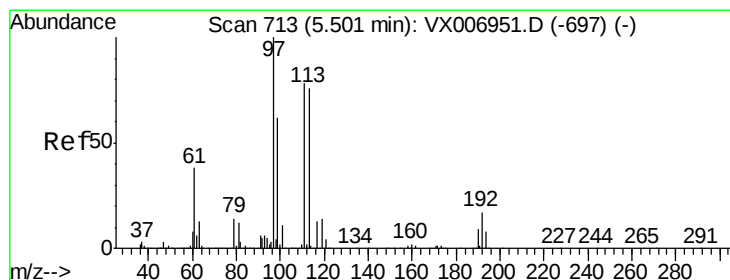
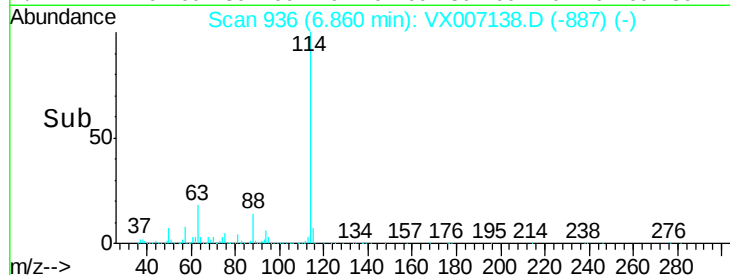
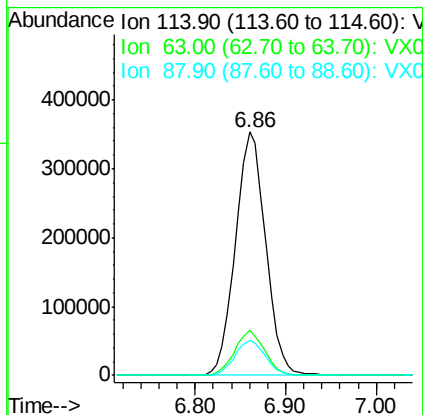
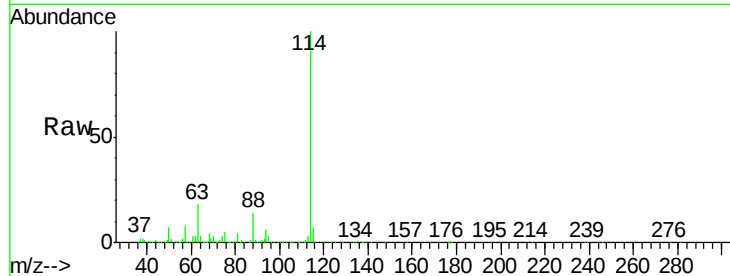
ClientSampleId :

SS038MW013-190116

Tot Ion	Ratio	Resp	Lower	Upper
114	100	817314		
63	18.3	0.0	34.8	
88	14.4	0.0	28.8	

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#35

Dibromofluoromethane

Concen: 47.625 ug/l

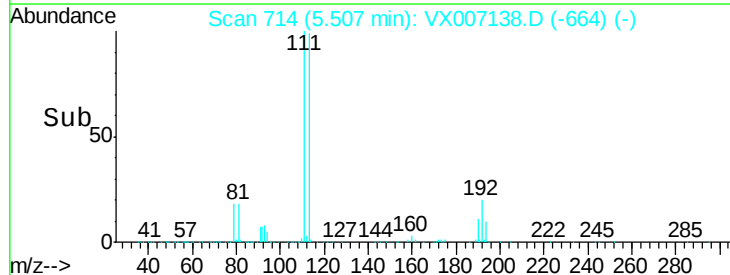
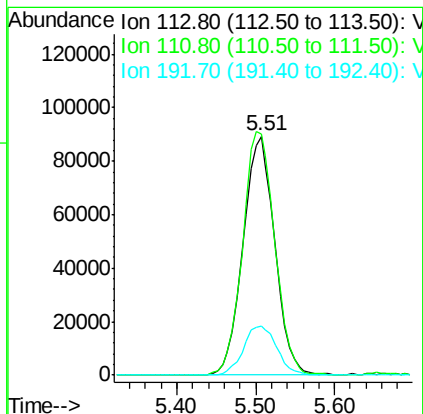
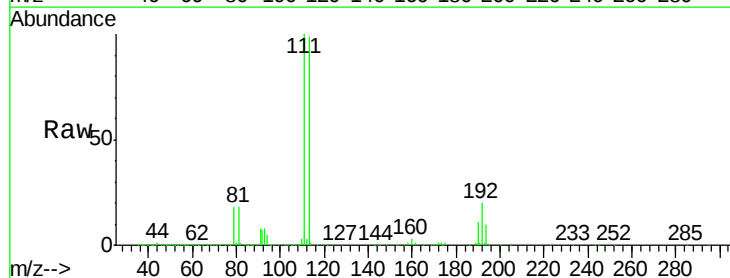
RT: 5.51 min Scan# 714

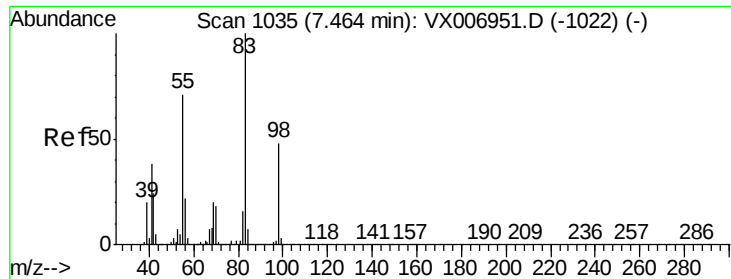
Delta R.T. 0.01 min

Lab File: VX007138.D

Acq: 18 Jan 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	249272		
111	103.6	81.6	122.4	
192	21.7	16.7	25.1	





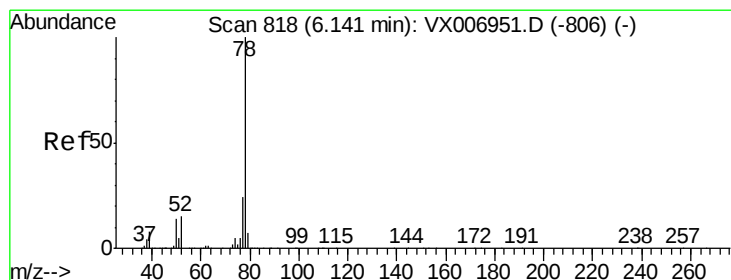
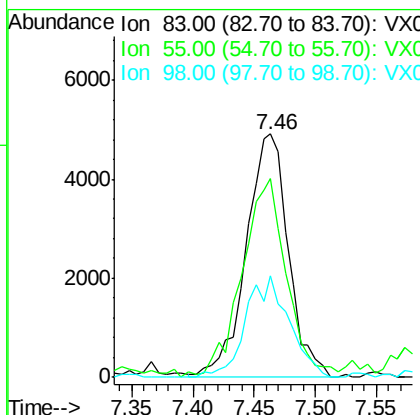
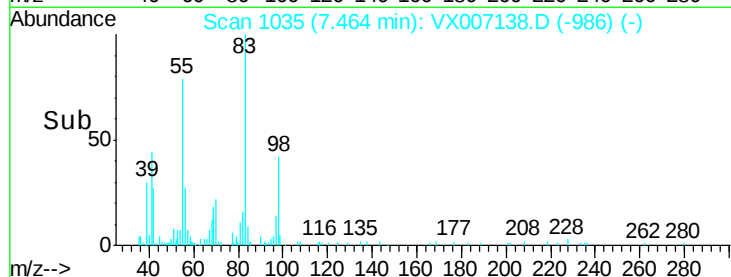
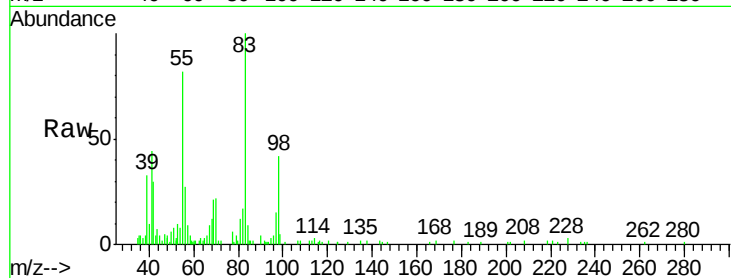
#39
Methvlcvclohexane
Concen: 1.303 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007138.D
Acq: 18 Jan 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
SS038MW013-190116

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	54.9	82.3
98	41.8	37.9	56.9

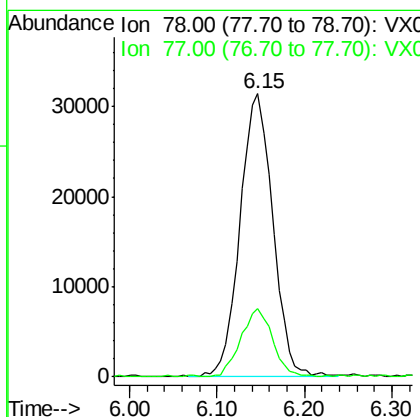
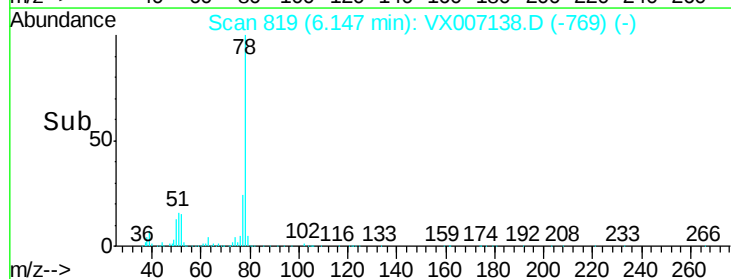
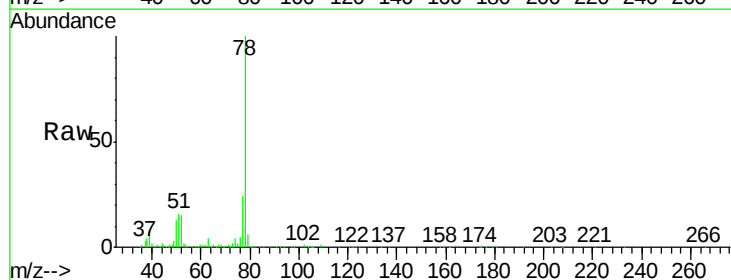
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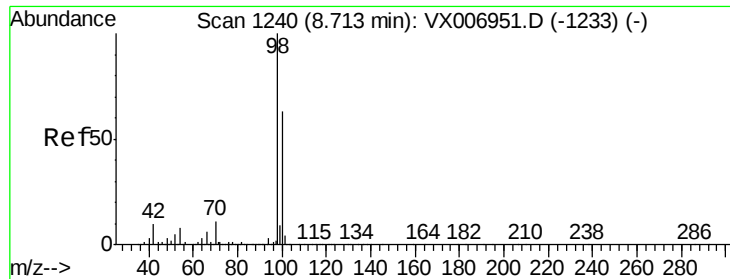
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#40
Benzene
Concen: 3.793 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007138.D
Acq: 18 Jan 2019 16:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





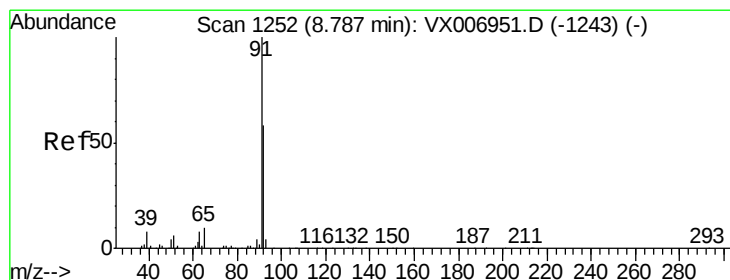
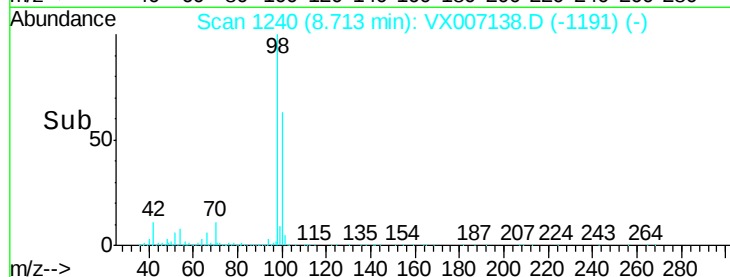
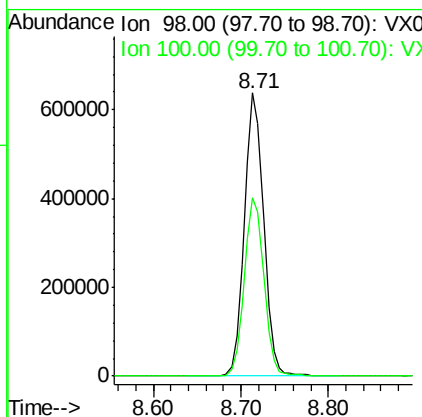
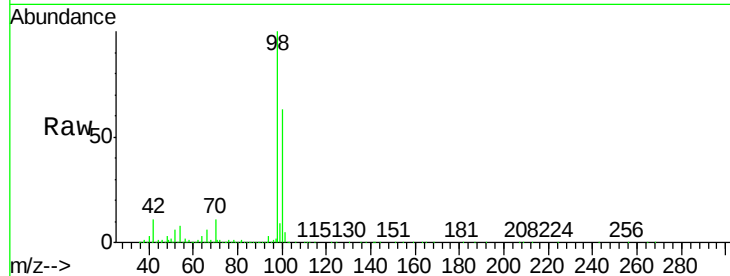
#50
Toluene-d8
Concen: 50.954 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007138.D
Acq: 18 Jan 2019 16:42

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MSVOA_X
ClientSampleId :
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Tot Ion: 98 Resp: 976195
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0

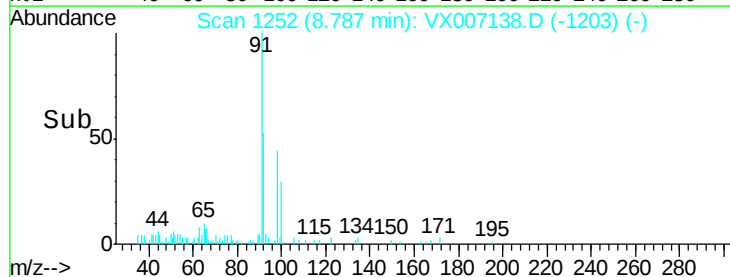
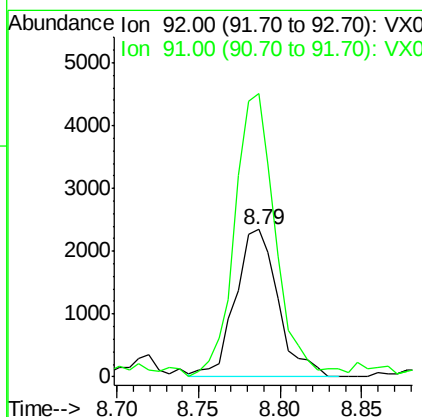
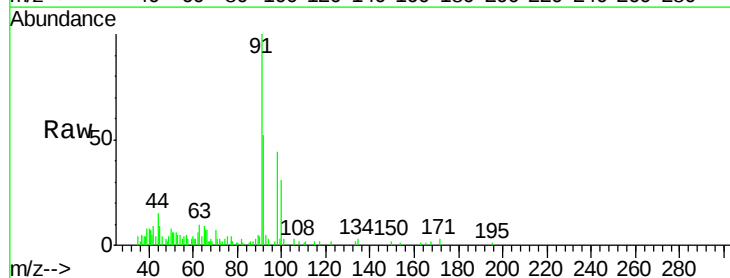
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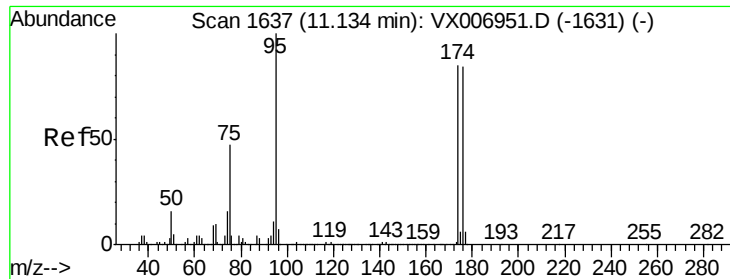
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#52
Toluene
Concen: 0.308 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX007138.D
Acq: 18 Jan 2019 16:42

Tgt Ion: 92 Resp: 4296
Ion Ratio Lower Upper
92 100
91 181.7 137.6 206.4





#62

4-Bromofluorobenzene

Concen: 54.011 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007138.D

Acq: 18 Jan 2019 16:42

Instrument :

MSVOA_X

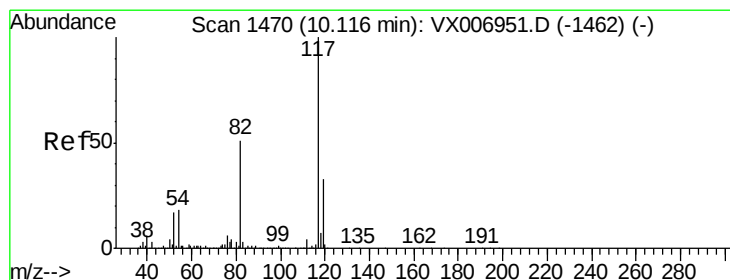
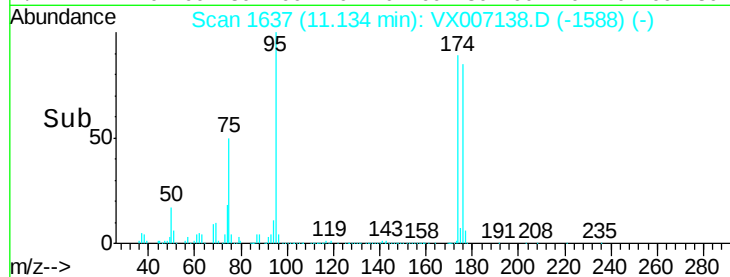
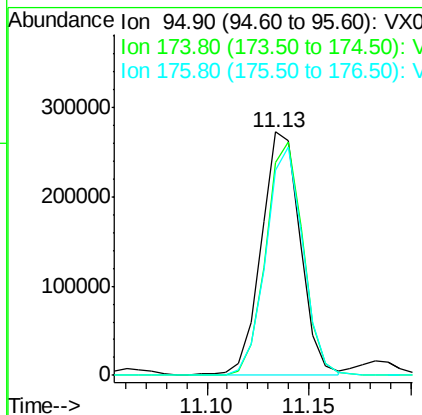
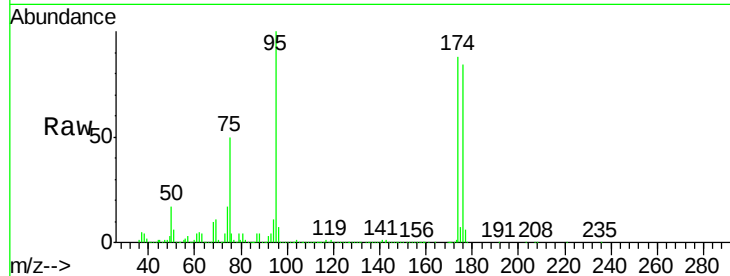
ClientSampleId :

SS038MW013-190116

Tot Ion:	95	Resp:	360738
Ion Ratio	Lower	Upper	
95	100		
174	92.2	0.0	182.2
176	90.1	0.0	178.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

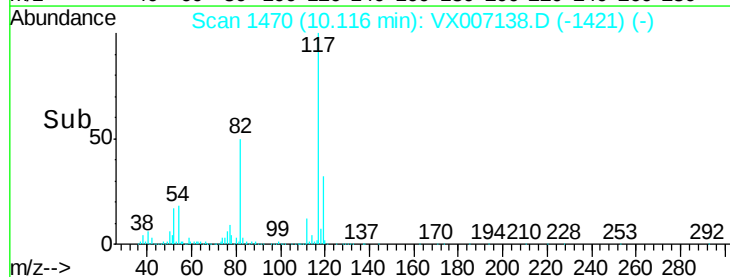
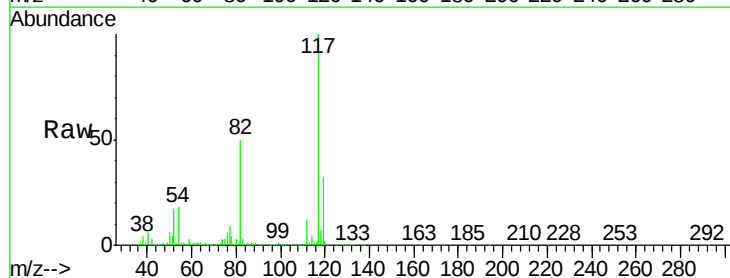
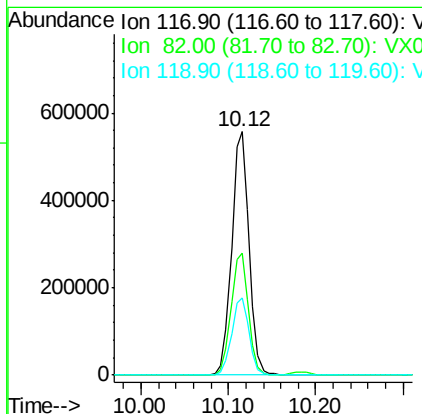
RT: 10.12 min Scan# 1470

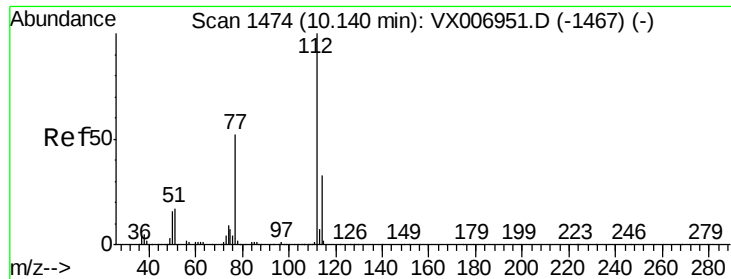
Delta R.T. -0.00 min

Lab File: VX007138.D

Acq: 18 Jan 2019 16:42

Tgt Ion:	117	Resp:	770140
Ion Ratio	Lower	Upper	
117	100		
82	49.9	41.0	61.6
119	31.8	25.4	38.0





#65

Chlorobenzene

Concen: 180.166 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007138.D

Acq: 18 Jan 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

SS038MW013-190116

Tot Ion:112 Resp: 3026273

Ion Ratio Lower Upper

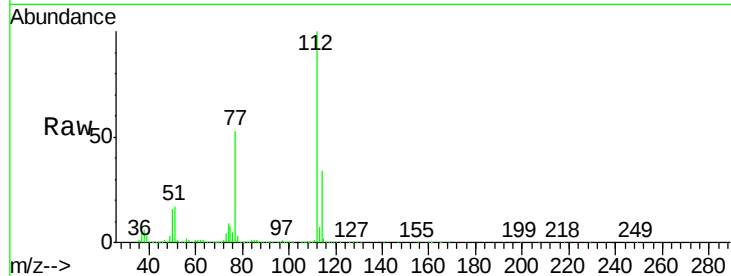
112 100

114 33.6 25.7 38.5

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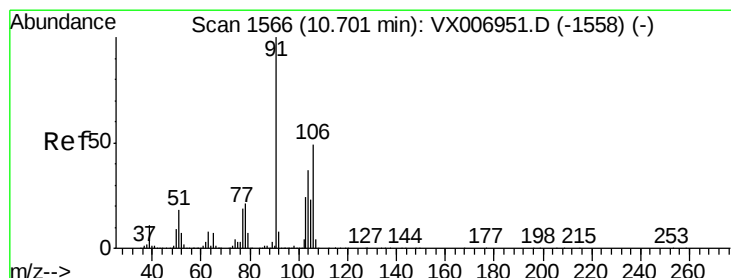
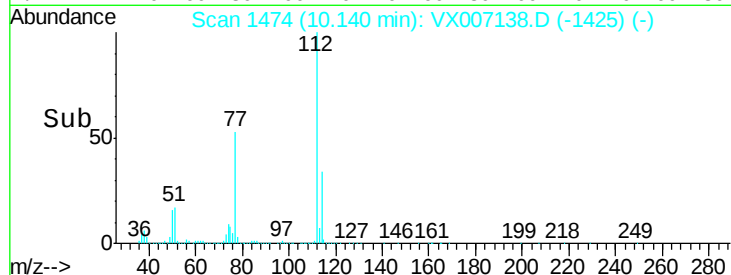
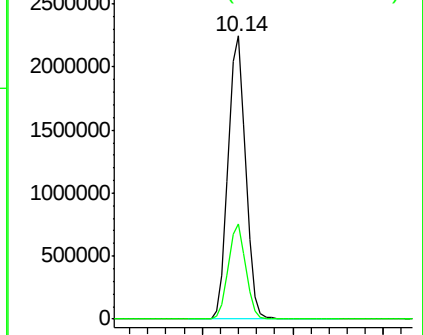
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#69

o-Xylene

Concen: 0.404 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX007138.D

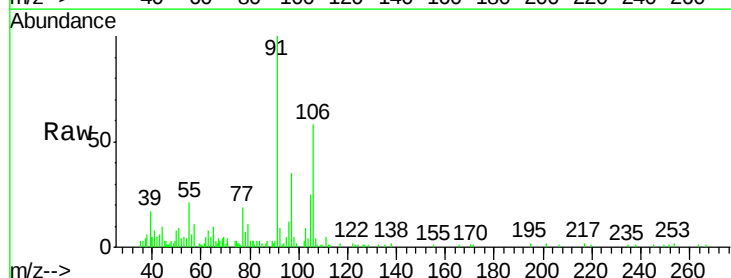
Acq: 18 Jan 2019 16:42

Tgt Ion:106 Resp: 4309

Ion Ratio Lower Upper

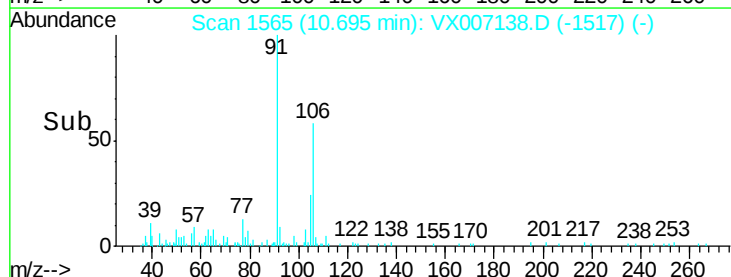
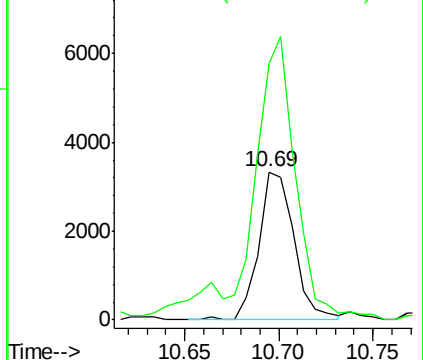
106 100

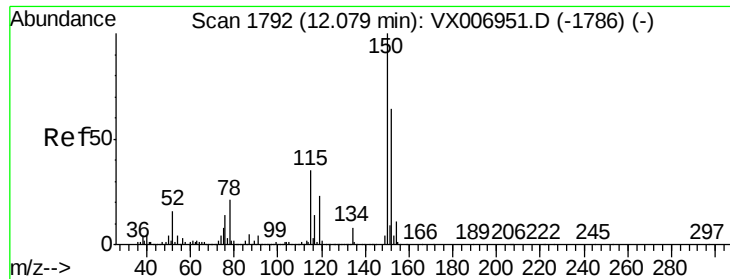
91 212.1 101.3 303.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007138.D

Acq: 18 Jan 2019 16:42

Instrument :

MSVOA_X

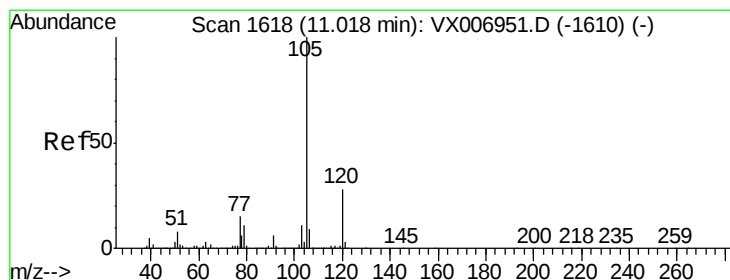
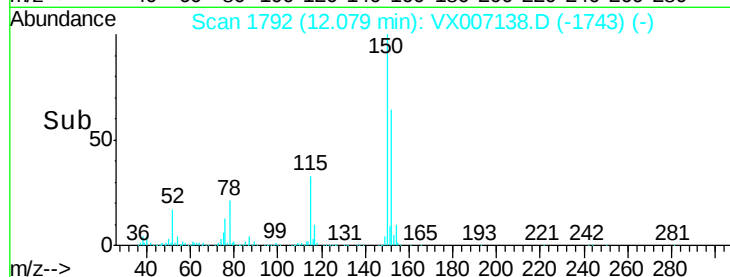
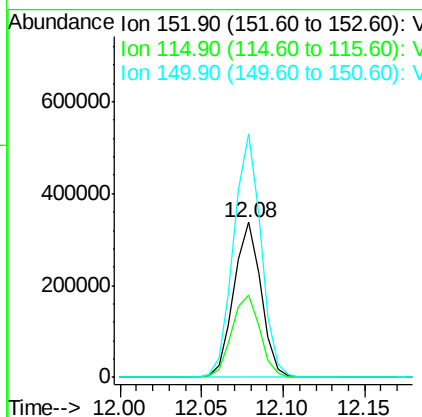
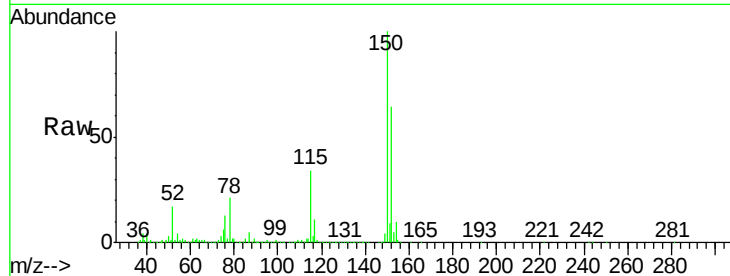
ClientSampleId :

SS038MW013-190116

Tot Ion	Ratio	Resp	Lower	Upper
152	100	393704		
115	55.1	39.1	117.2	
150	157.3	0.0	344.8	

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#73

Isopropylbenzene

Concen: 6.849 ug/l

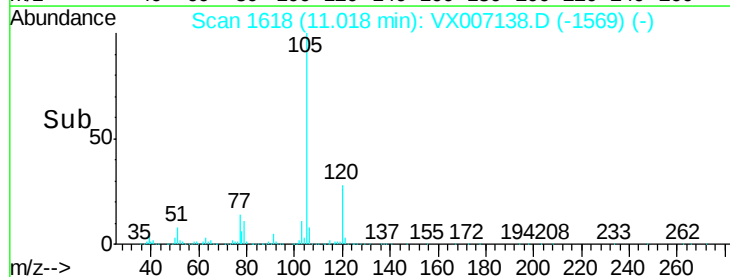
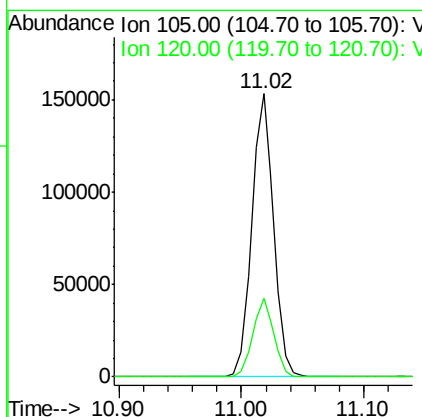
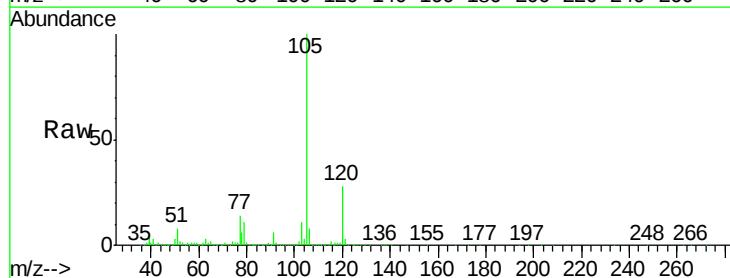
RT: 11.02 min Scan# 1618

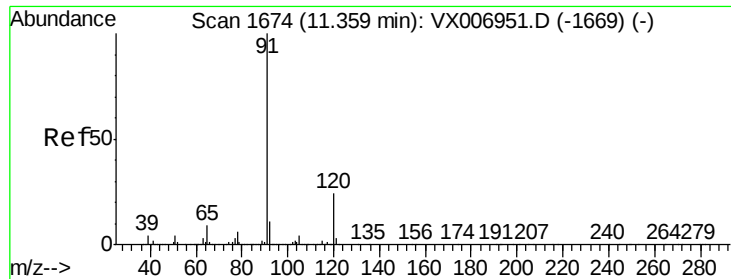
Delta R.T. -0.00 min

Lab File: VX007138.D

Acq: 18 Jan 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	190144		
120	27.1	14.1	42.4	





#78

n-propylbenzene

Concen: 5.276 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007138.D

Acq: 18 Jan 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

SS038MW013-190116

Tot Ion: 91 Resp: 160782

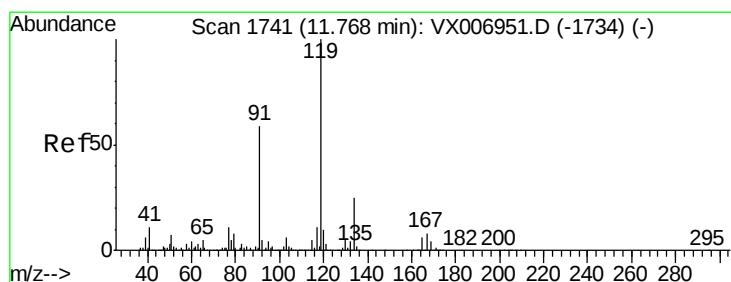
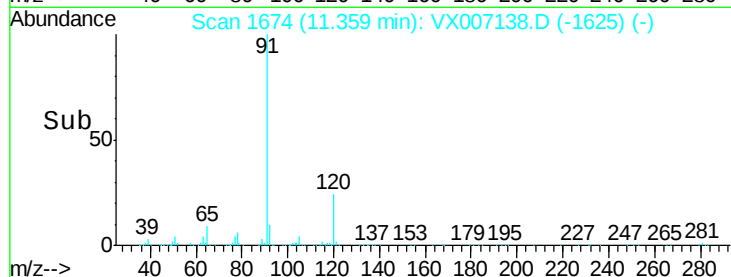
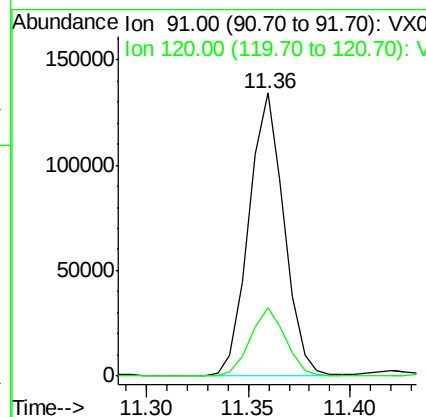
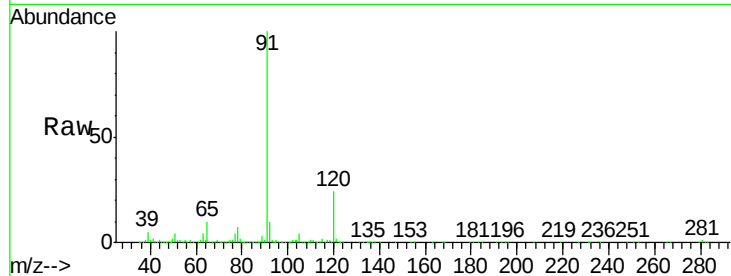
Ion Ratio Lower Upper

91 100

120 24.3 12.7 38.0

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#83

tert-Butylbenzene

Concen: 6.758 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007138.D

Acq: 18 Jan 2019 16:42

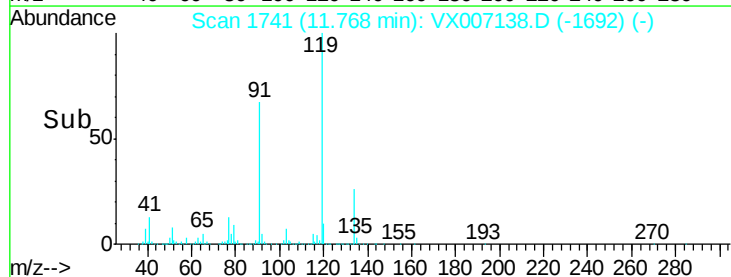
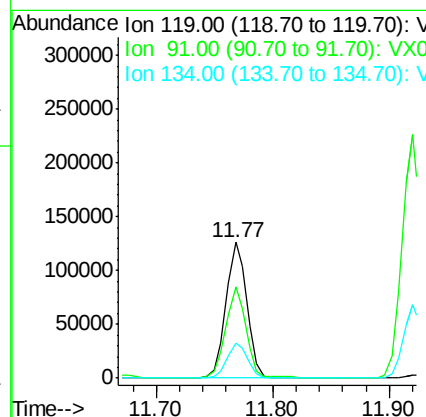
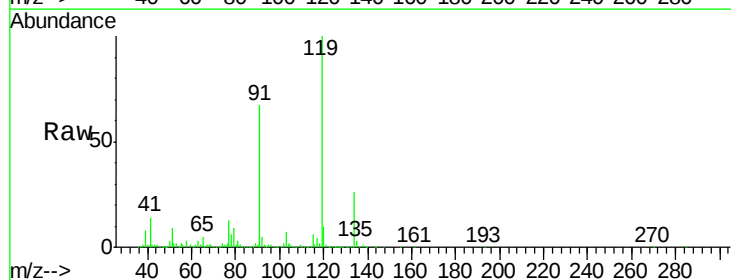
Tgt Ion: 119 Resp: 156414

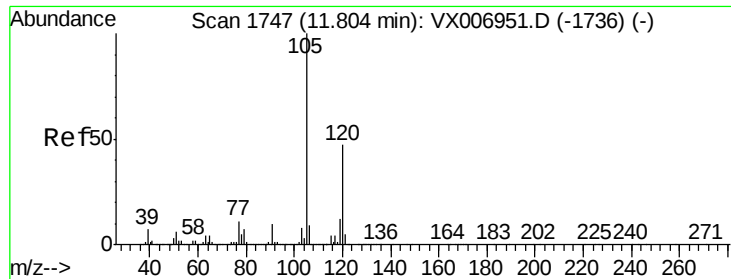
Ion Ratio Lower Upper

119 100

91 65.6 27.7 83.1

134 25.3 11.9 35.5





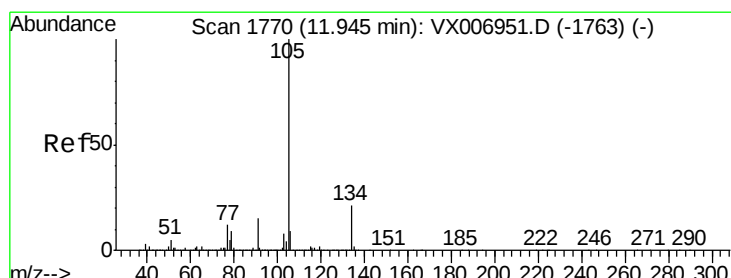
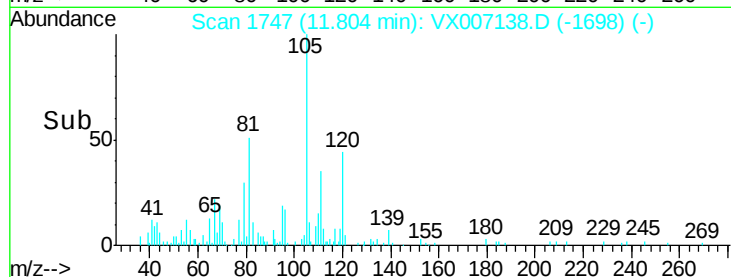
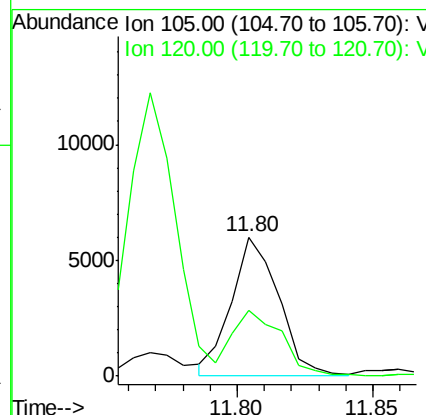
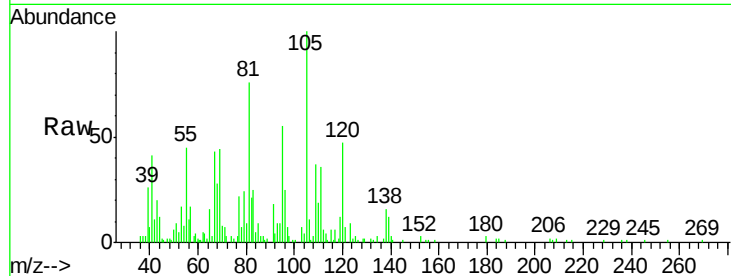
#84
 1,2,4-Trimethylbenzene
 Concen: 0.312 ug/l m
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007138.D
 Acq: 18 Jan 2019 16:42

Instrument :
 MSVOA_X
 ClientSampled :
 SS038MW013-190116

Tot Ion	Ratio	Lower	Upper
105	100		
120	114.5	23.2	69.6#

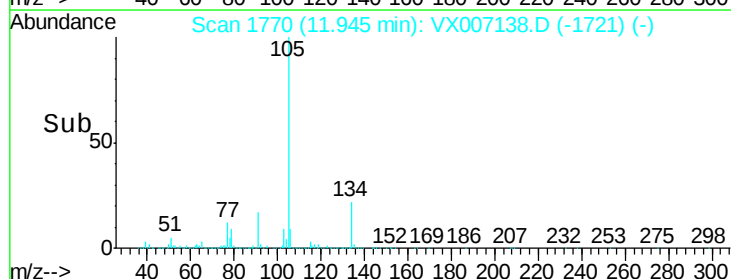
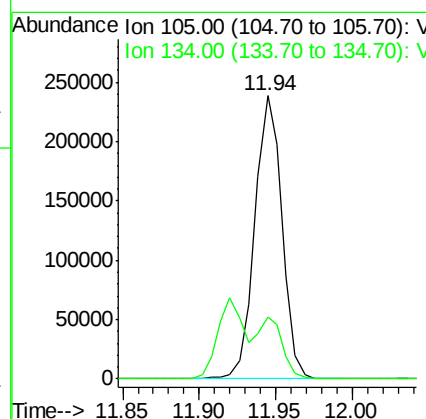
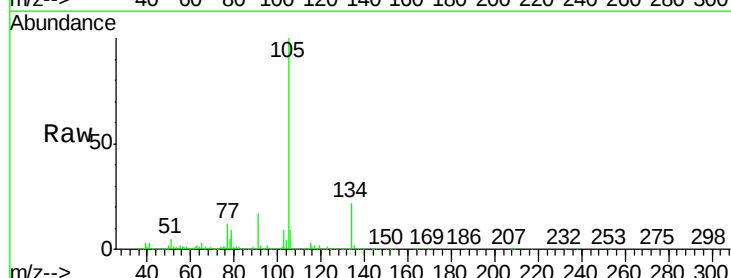
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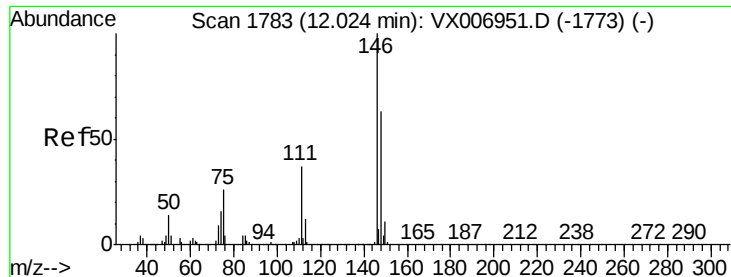
MMDadoda
 1/21/2019 11:00:02 AM



#85
 sec-Butylbenzene
 Concen: 10.638 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007138.D
 Acq: 18 Jan 2019 16:42

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





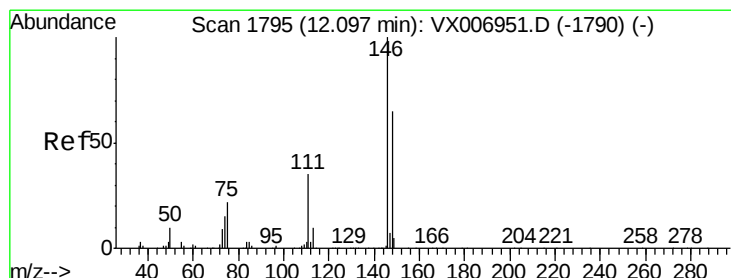
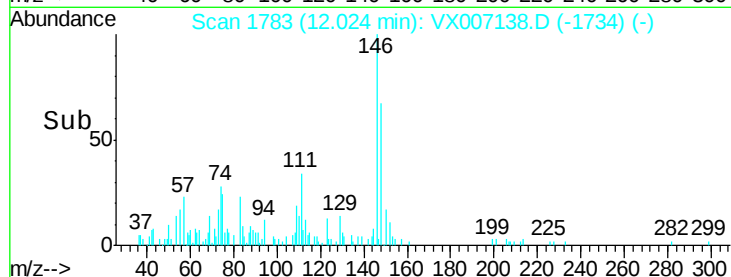
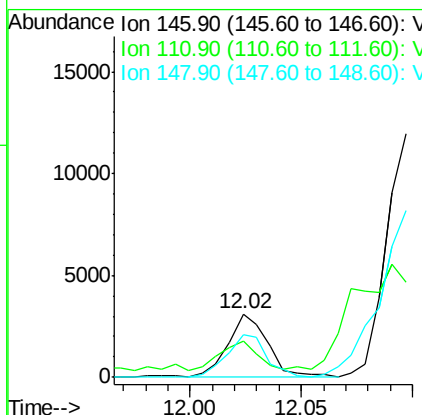
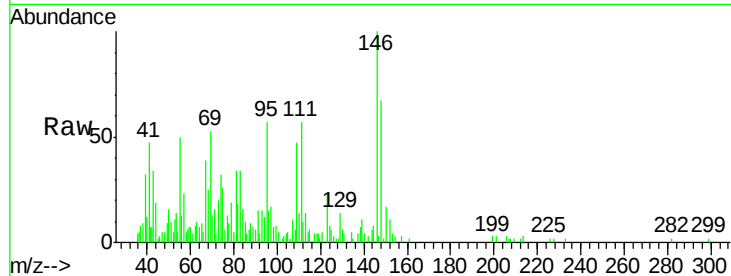
#87
 1,3-Dichlorobenzene
 Concen: 0.281 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007138.D
 Acq: 18 Jan 2019 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW013-190116

Tot Ion	Ratio	Lower	Upper
146	100		
111	54.8	18.6	55.8
148	67.0	31.8	95.3

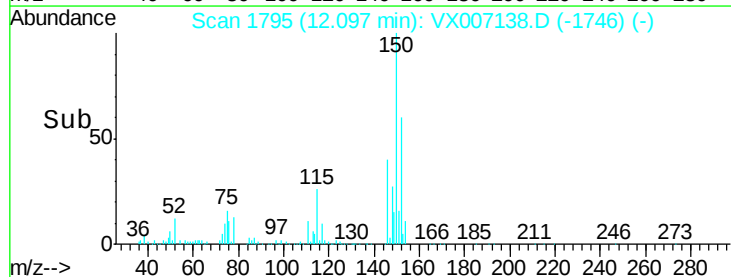
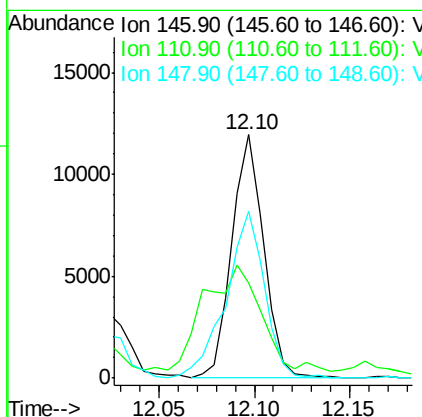
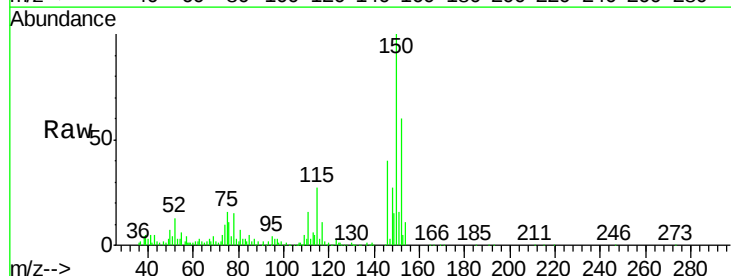
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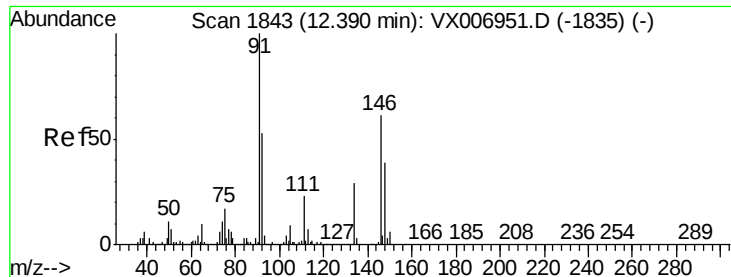
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#88
 1,4-Dichlorobenzene
 Concen: 1.216 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007138.D
 Acq: 18 Jan 2019 16:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	14.7	18.1	54.1#
148	18.5	31.9	95.9#





#89

n-Butylbenzene

Concen: 0.836 ug/l m

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007138.D

Acq: 18 Jan 2019 16:42

Instrument :

MSVOA_X

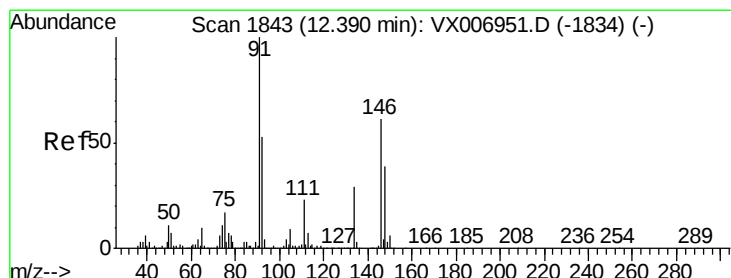
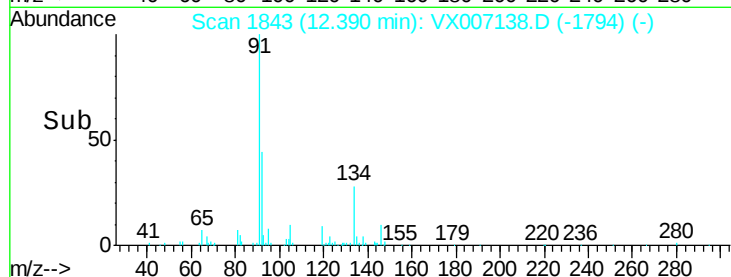
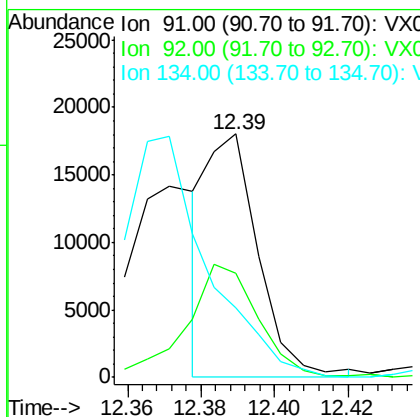
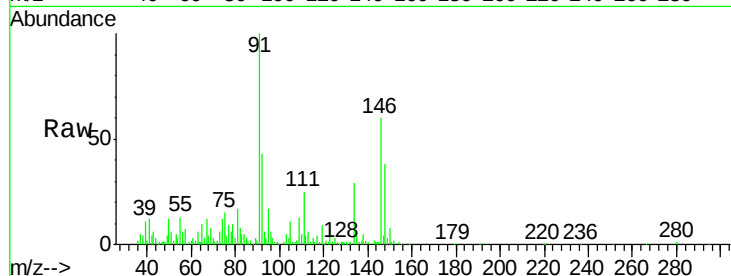
ClientSampleId :

SS038MW013-190116

Tot Ion:	91	Resp:	17627
Ion	Ratio	Lower	Upper
91	100		
92	65.7	26.8	80.4
134	158.4	14.4	43.2#

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#91

1,2-Dichlorobenzene

Concen: 1.072 ug/l

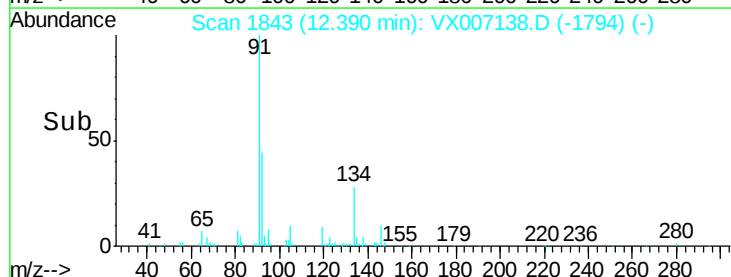
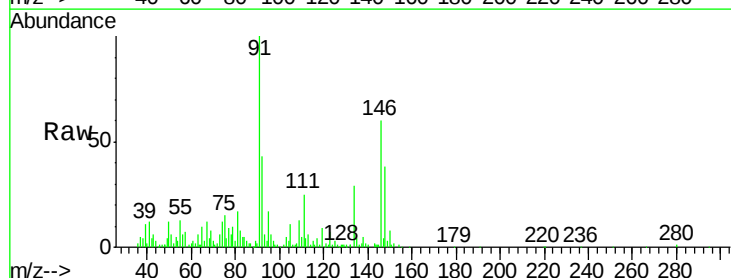
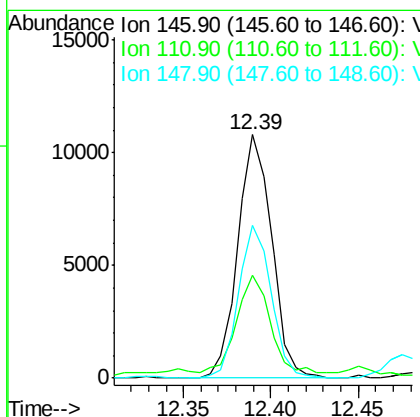
RT: 12.39 min Scan# 1843

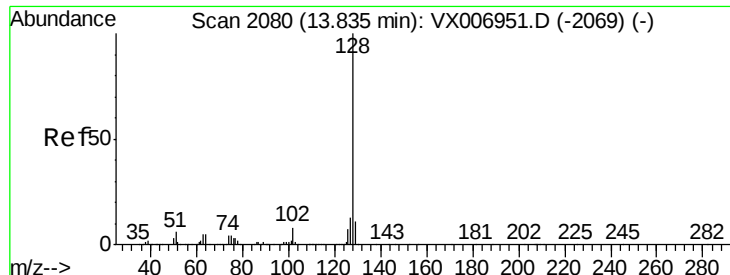
Delta R.T. -0.00 min

Lab File: VX007138.D

Acq: 18 Jan 2019 16:42

Tgt Ion:	146	Resp:	14625
Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.2
148	60.5	32.3	96.9





#95
Naphthalene
Concen: 0.587 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007138.D
Acq: 18 Jan 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
SS038MW013-190116

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	14.0	10.1	15.1
129	16.9	8.6	13.0

Manual Integrations
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