

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX042718\
 Data File : VX001203.D
 Acq On : 28 Apr 2018 06:06
 Operator : JC/MD
 Sample : J2507-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-180419

Quant Time: Apr 28 07:07:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	196207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	270984	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	253624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150145	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	152545	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	5.51	113	121090	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
50) Toluene-d8	8.72	98	459291	54.26	ug/l	0.00
Spiked Amount			Recovery	=	108.52%	
62) 4-Bromofluorobenzene	11.14	95	165619	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	

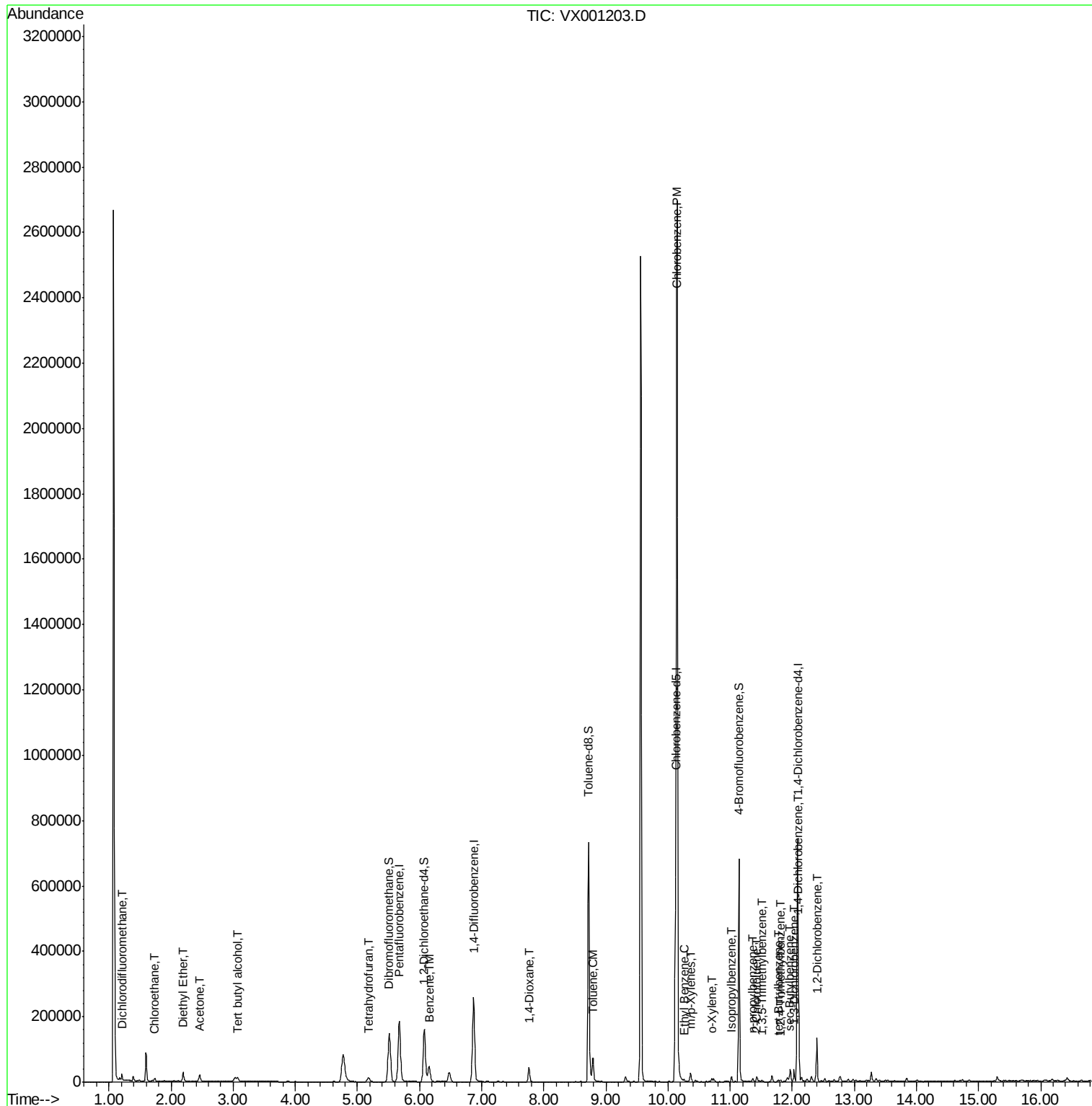
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1426	0.69	ug/l	98
6) Chloroethane	1.73	64	4982	3.46	ug/l	96
8) Diethyl Ether	2.20	74	9677	6.82	ug/l	100
11) Tert butyl alcohol	3.07	59	13652	22.76	ug/l	96
16) Acetone	2.45	43	3245	2.59	ug/l	95
29) Tetrahydrofuran	5.17	42	10634	8.84	ug/l	97
40) Benzene	6.15	78	55856	6.47	ug/l	99
49) 1,4-Dioxane	7.76	88	31602	528.75	ug/l	96
52) Toluene	8.79	92	25355	4.49	ug/l	98
65) Chlorobenzene	10.15	112	1186750	178.60	ug/l	99
67) Ethyl Benzene	10.26	91	3418	0.32	ug/l #	80
68) m/p-Xylenes	10.37	106	5145	1.21	ug/l	95
69) o-Xylene	10.71	106	2668	0.64	ug/l	93
73) Isopropylbenzene	11.02	105	7299	0.75	ug/l	95
78) n-propylbenzene	11.37	91	6028	0.55	ug/l	97
79) 2-Chlorotoluene	11.43	91	6142	0.91	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	1874	0.23	ug/l	95
83) tert-Butylbenzene	11.77	119	2241	0.27	ug/l	85
84) 1,2,4-Trimethylbenzene	11.81	105	2044	0.24	ug/l	100
85) sec-Butylbenzene	11.95	105	4066	0.42	ug/l	89
87) 1,3-Dichlorobenzene	12.03	146	9683	1.86	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	80822	14.89	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	40433	7.68	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001203.D

Acq: 28 Apr 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

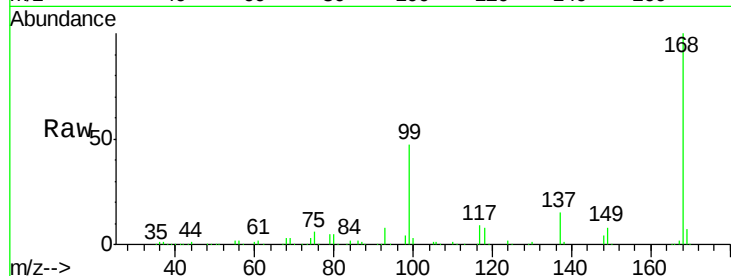
SS043MW011-180419

Tot Ion:168 Resp: 196207

Ion Ratio Lower Upper

168 100

99 46.7 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

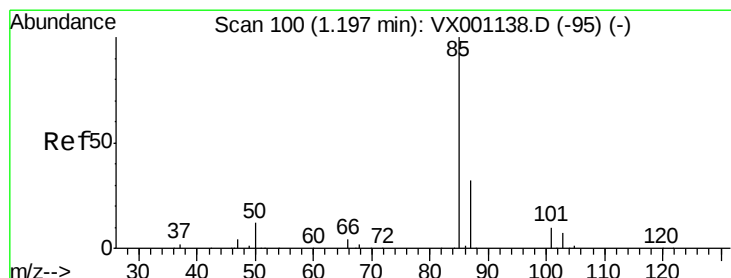
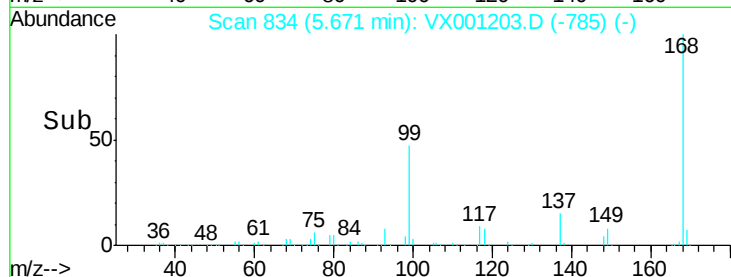
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.69 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001203.D

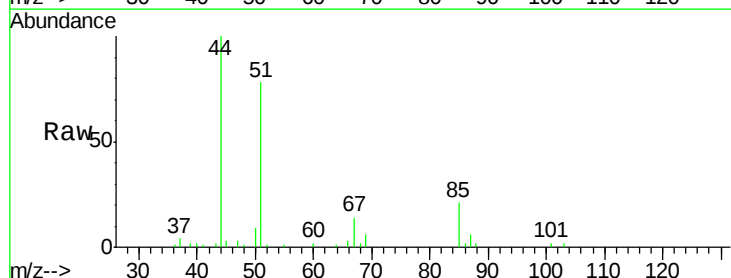
Acq: 28 Apr 2018 06:06

Tgt Ion: 85 Resp: 1426

Ion Ratio Lower Upper

85 100

87 30.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

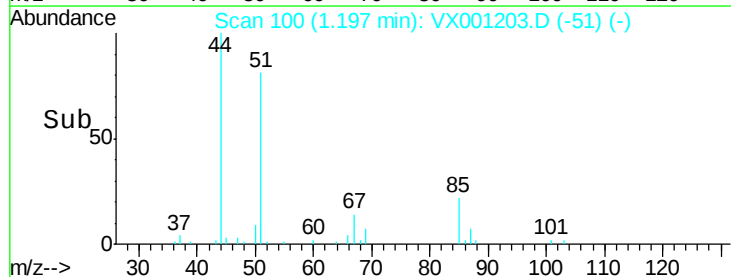
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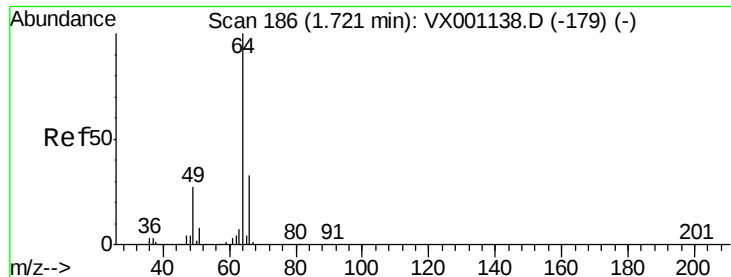
500

0

1.15 1.20 1.25

Time-->





#6

Chloroethane

Concen: 3.46 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001203.D

Acq: 28 Apr 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

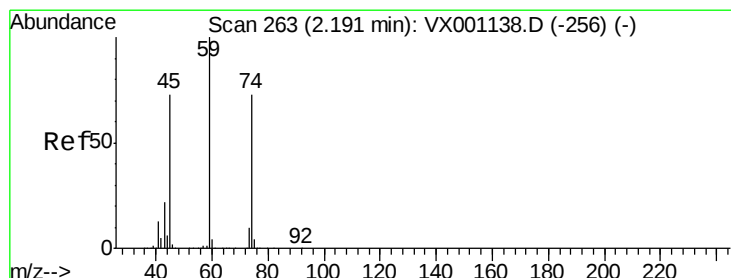
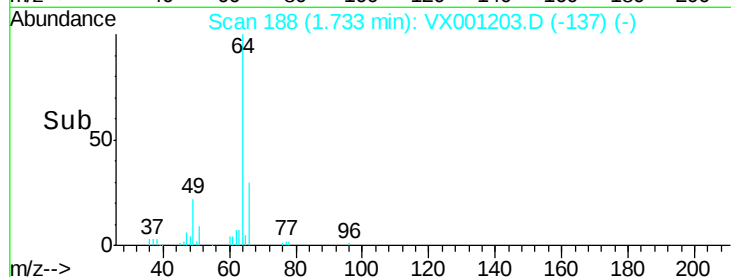
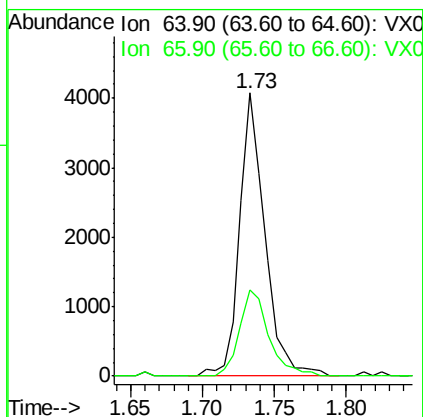
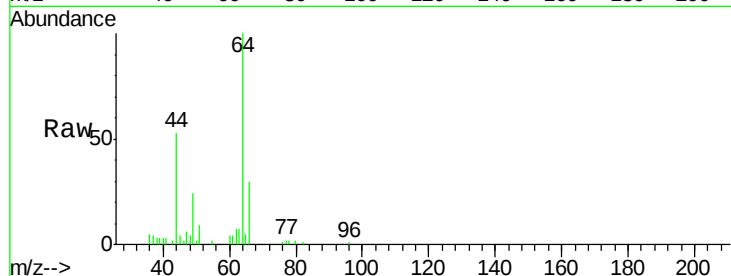
SS043MW011-180419

Tot Ion: 64 Resp: 4982

Ion Ratio Lower Upper

64 100

66 30.5 26.1 39.1



#8

Diethyl Ether

Concen: 6.82 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX001203.D

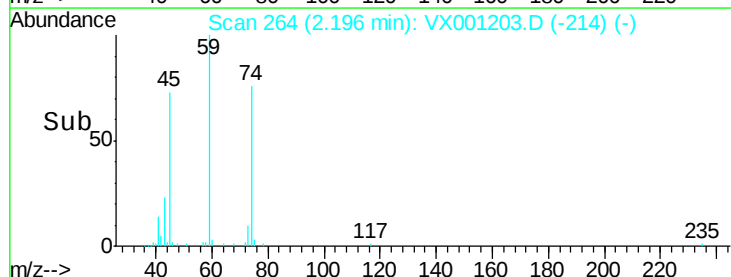
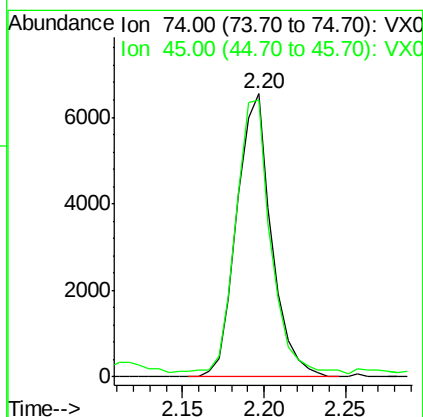
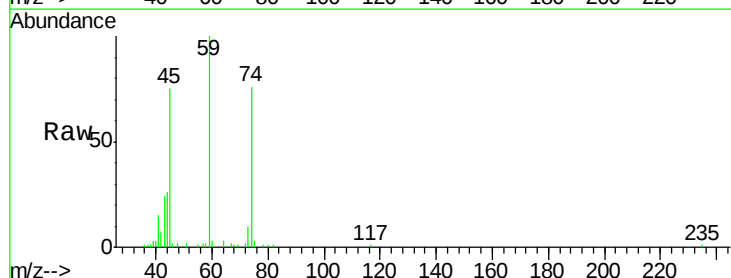
Acq: 28 Apr 2018 06:06

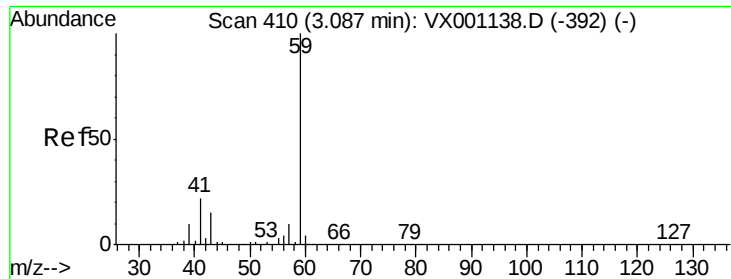
Tgt Ion: 74 Resp: 9677

Ion Ratio Lower Upper

74 100

45 99.3 49.5 148.7

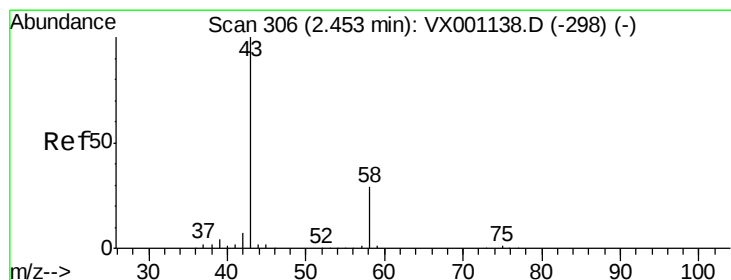
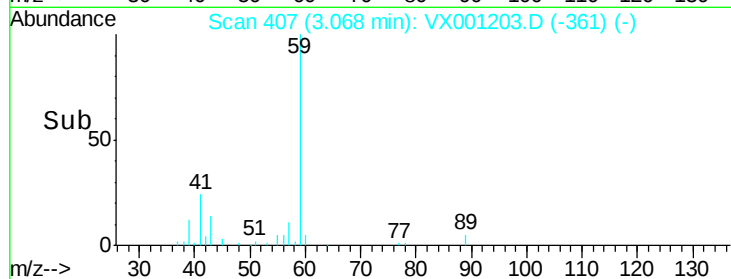
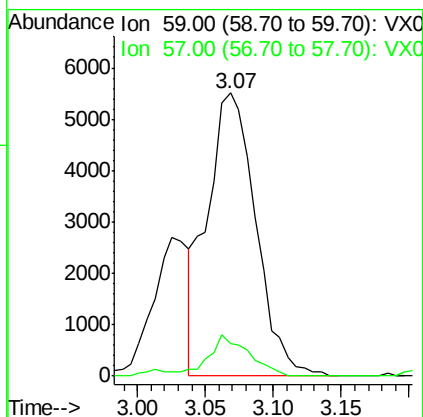
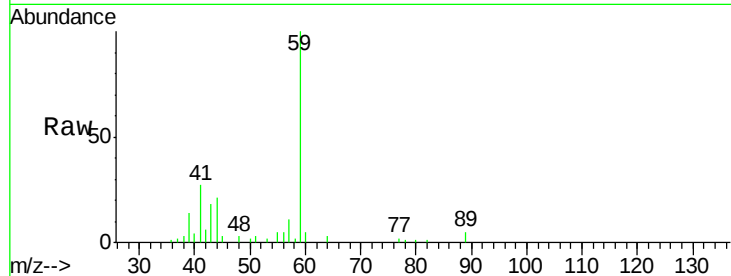




#11
Tert butyl alcohol
Concen: 22.76 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

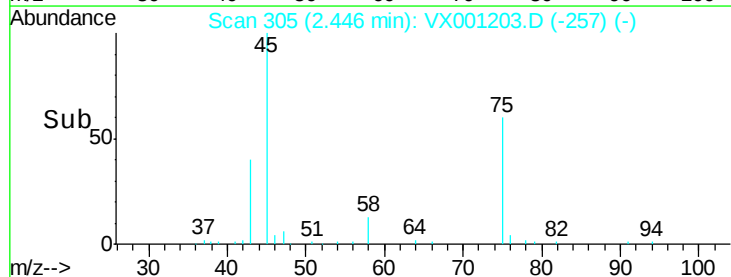
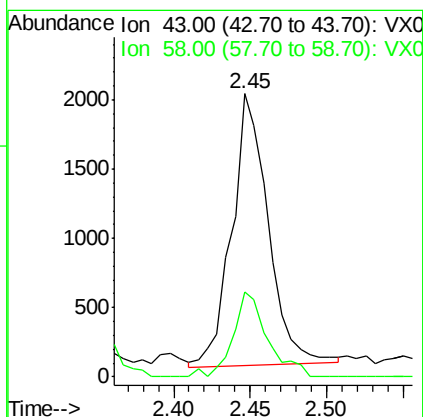
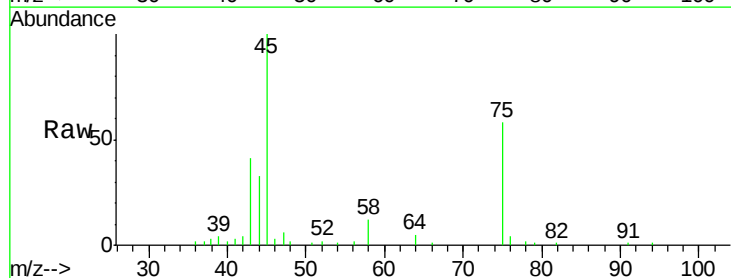
Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-180419

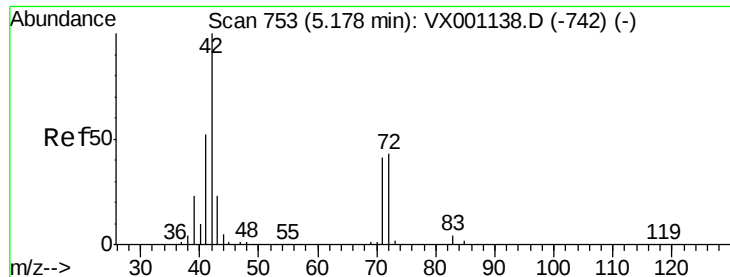
Tot Ion: 59 Resp: 13652
Ion Ratio Lower Upper
59 100
57 11.7 8.2 12.4



#16
Acetone
Concen: 2.59 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

Tgt Ion: 43 Resp: 3245
Ion Ratio Lower Upper
43 100
58 31.5 23.0 34.6





#29

Tetrahydrofuran

Concen: 8.84 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX001203.D

Acq: 28 Apr 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-180419

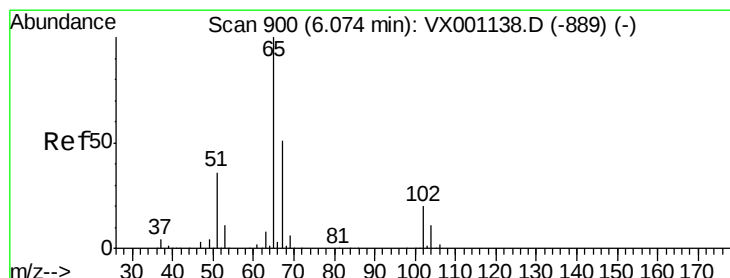
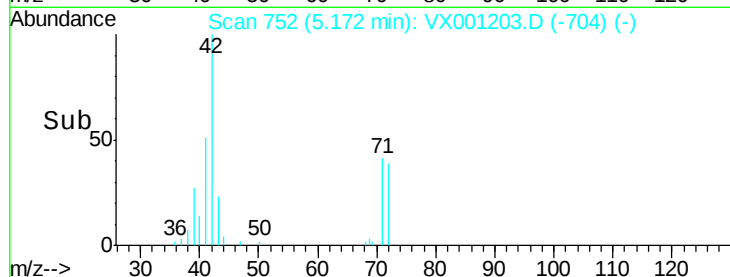
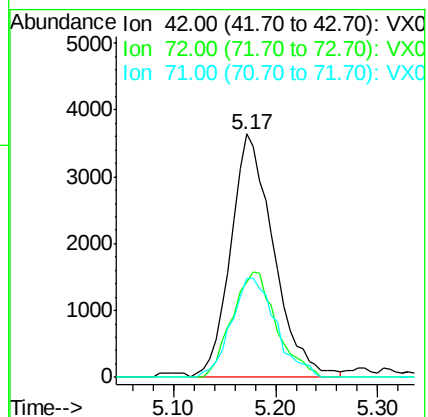
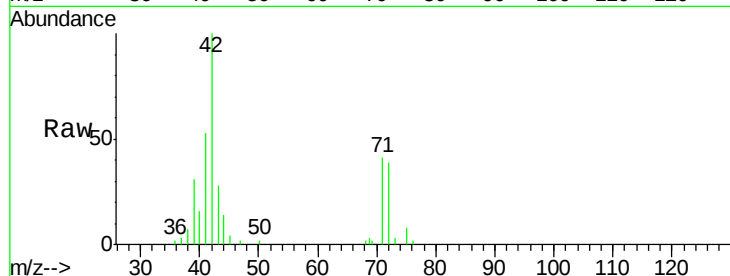
Tot Ion: 42 Resp: 10634

Ion Ratio Lower Upper

42 100

72 44.5 34.4 51.6

71 42.4 32.1 48.1



#33

1,2-Dichloroethane-d4

Concen: 50.16 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001203.D

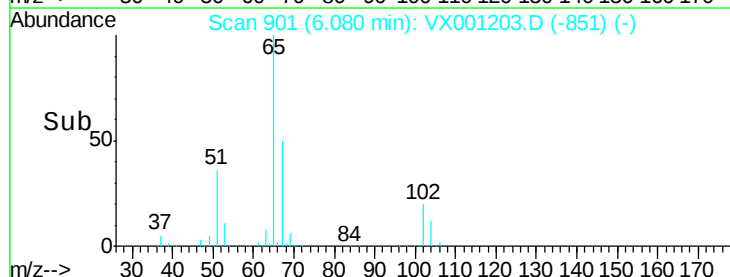
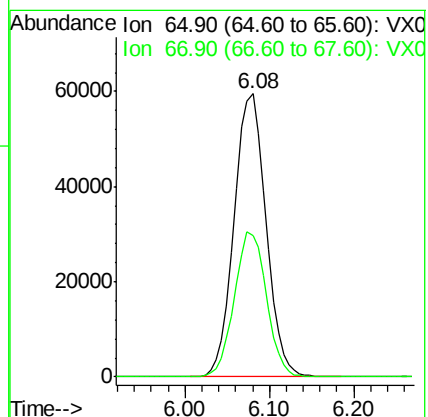
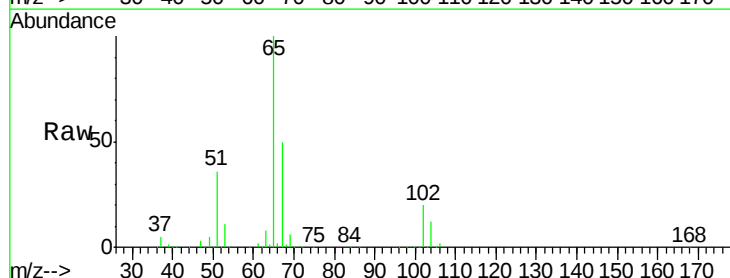
Acq: 28 Apr 2018 06:06

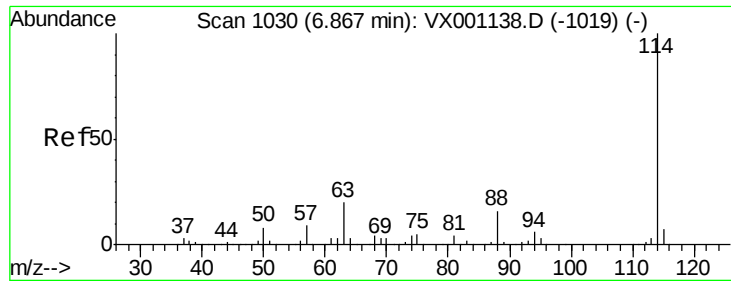
Tgt Ion: 65 Resp: 152545

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001203.D

Acq: 28 Apr 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-180419

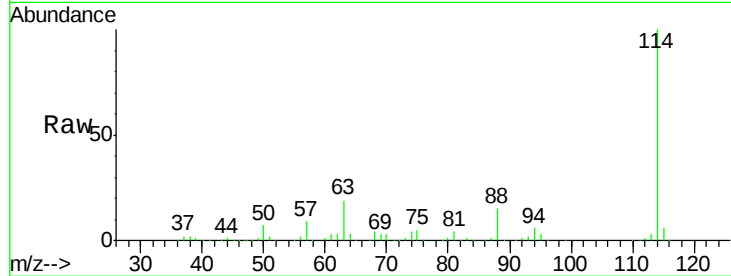
Tot Ion:114 Resp: 270984

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.4

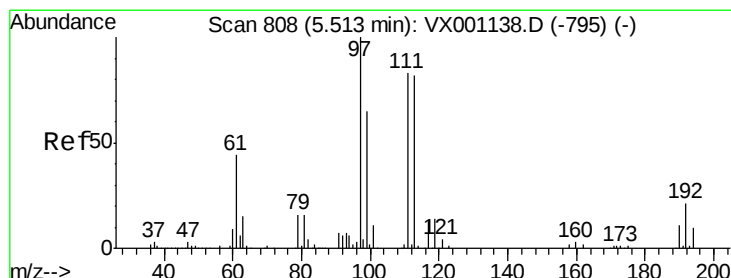
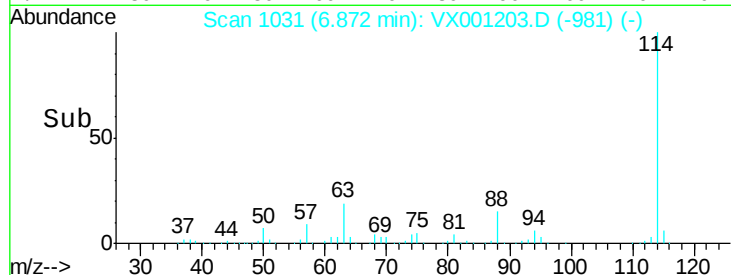
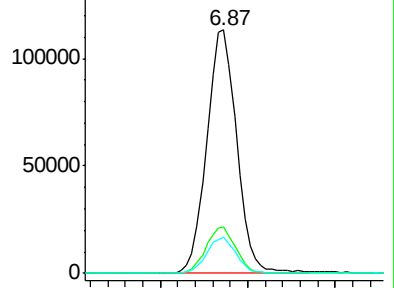
88 15.1 0.0 31.8



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: 53.99 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001203.D

Acq: 28 Apr 2018 06:06

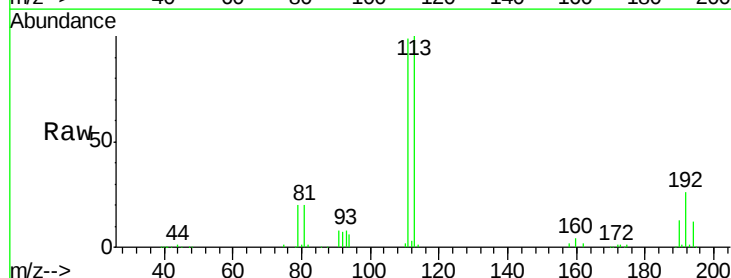
Tgt Ion:113 Resp: 121090

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

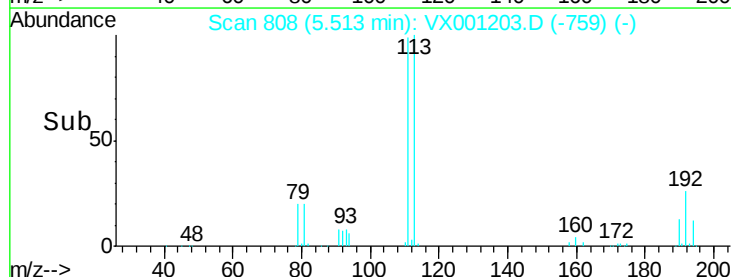
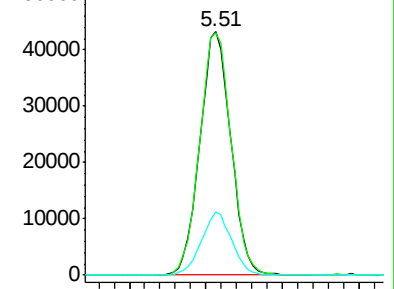
192 25.2 20.6 30.8

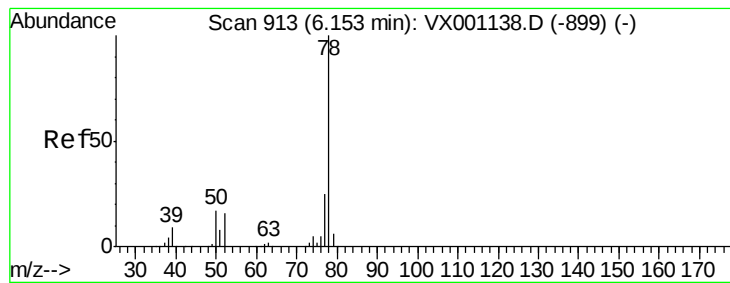


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 6.47 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX001203.D

Acq: 28 Apr 2018 06:06

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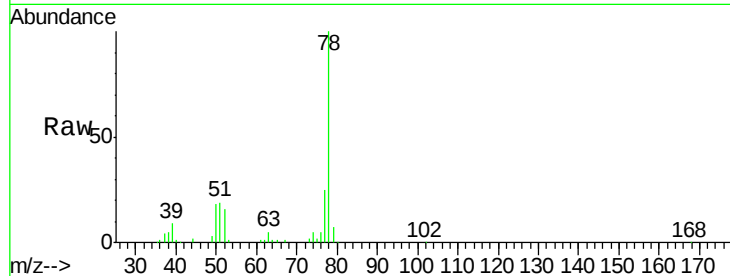
SS043MW011-180419

Tot Ion: 78 Resp: 55856

Ion Ratio Lower Upper

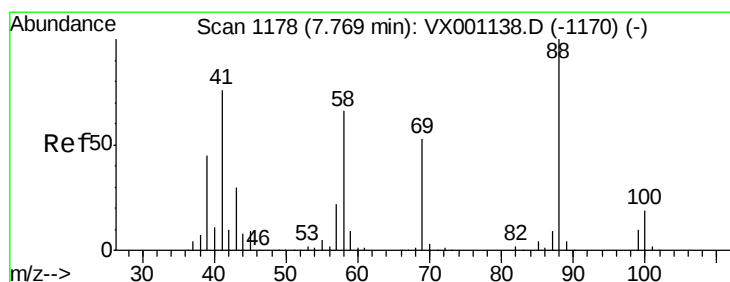
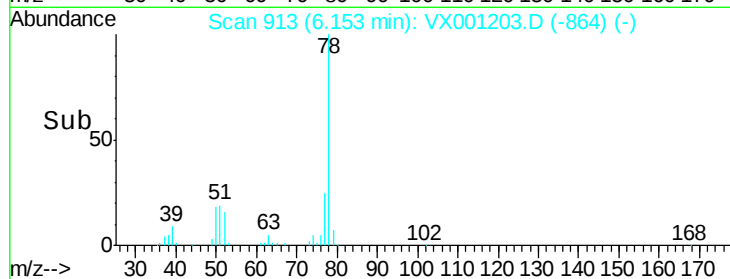
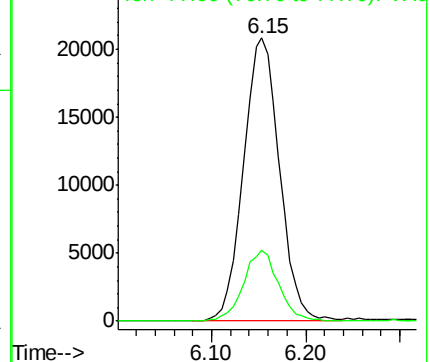
78 100

77 24.9 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 528.75 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX001203.D

Acq: 28 Apr 2018 06:06

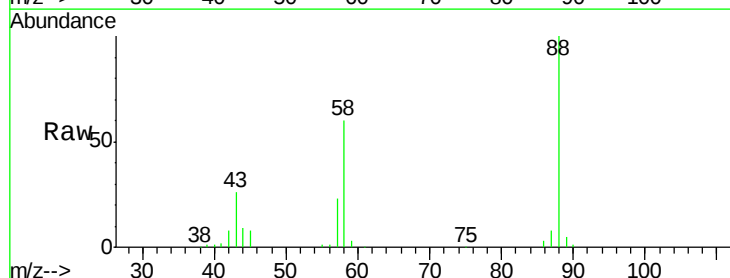
Tgt Ion: 88 Resp: 31602

Ion Ratio Lower Upper

88 100

43 30.1 27.3 40.9

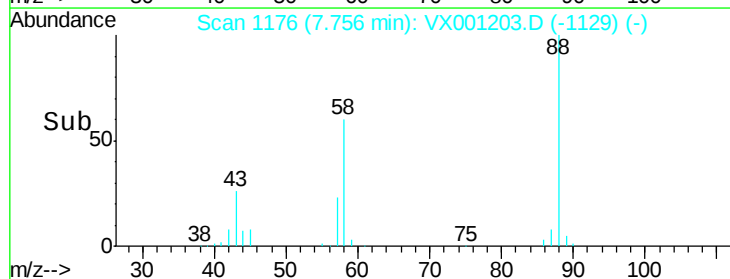
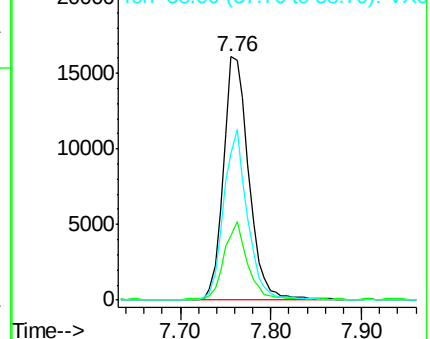
58 65.6 54.2 81.4

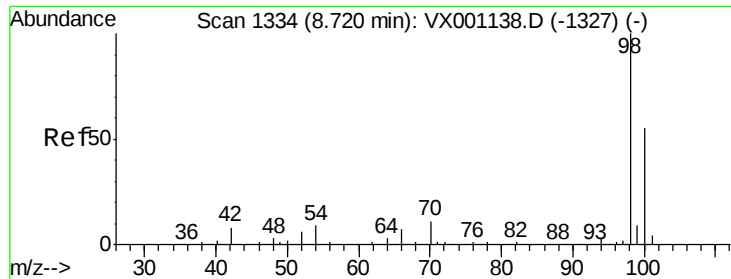


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

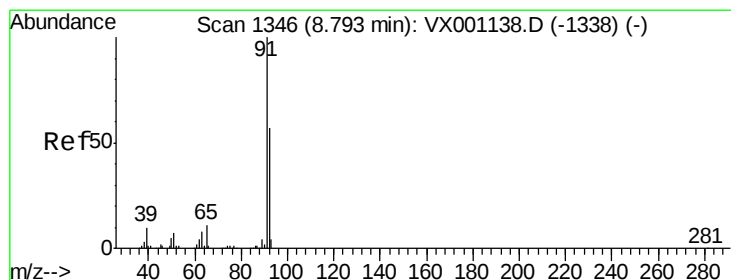
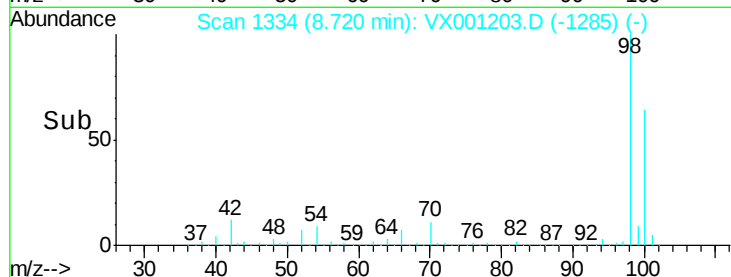
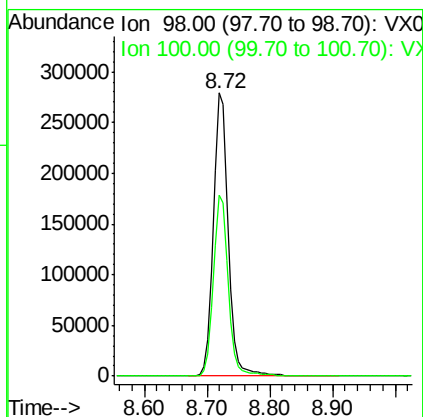
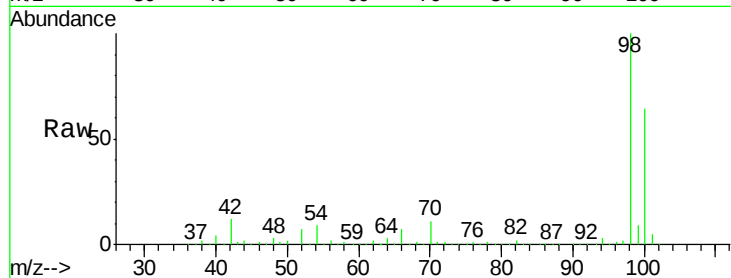




#50
Toluene-d8
Concen: 54.26 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

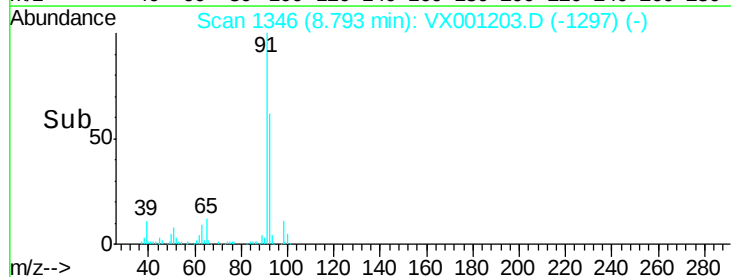
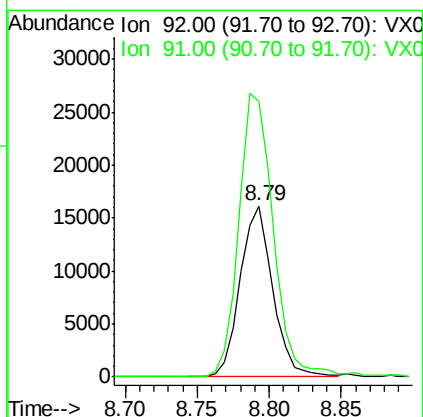
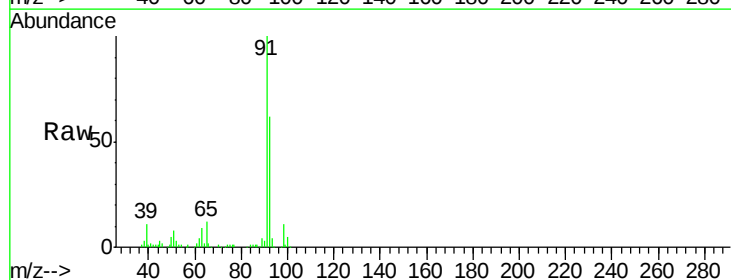
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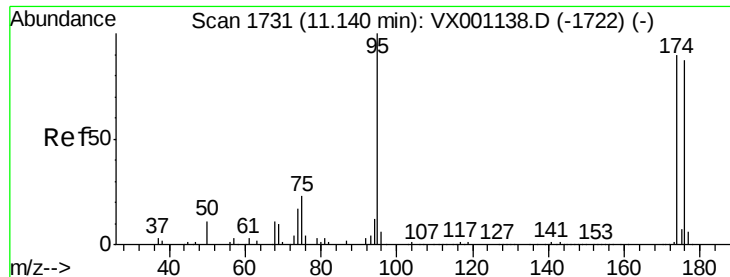
Tot Ion: 98 Resp: 459291
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.6



#52
Toluene
Concen: 4.49 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

Tgt Ion: 92 Resp: 25355
Ion Ratio Lower Upper
92 100
91 177.1 139.8 209.6

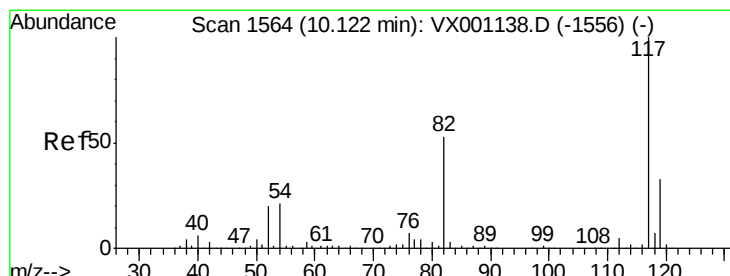
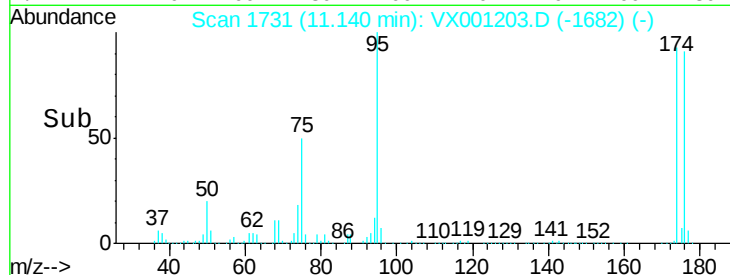
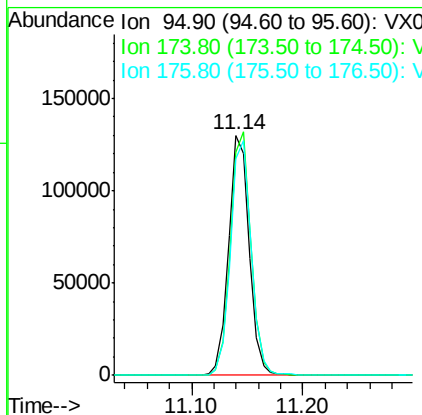
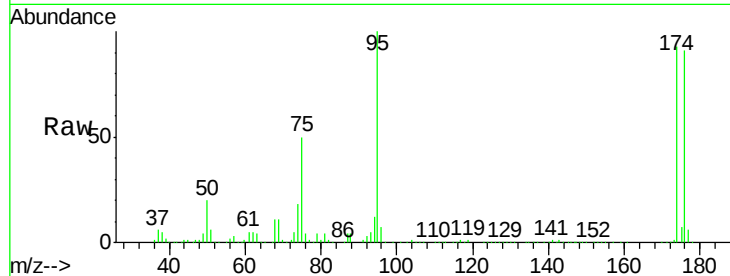




#62
4-Bromofluorobenzene
Concen: 50.09 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

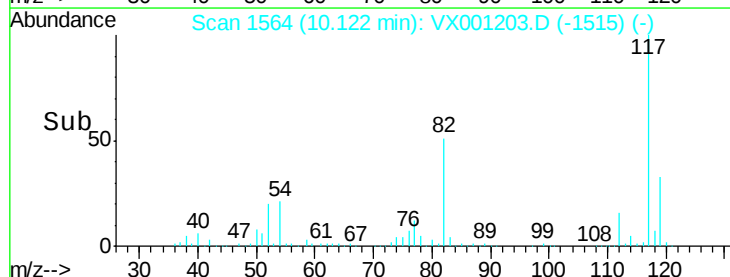
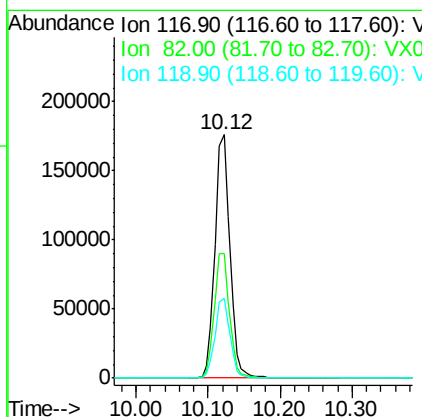
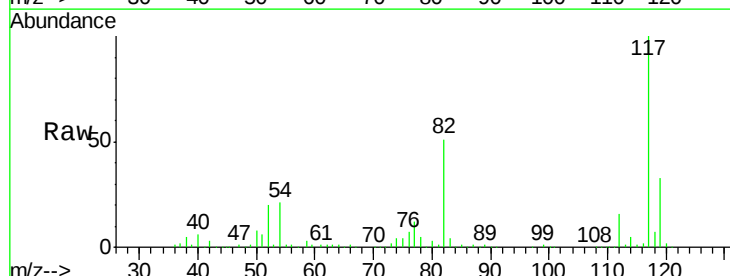
Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-180419

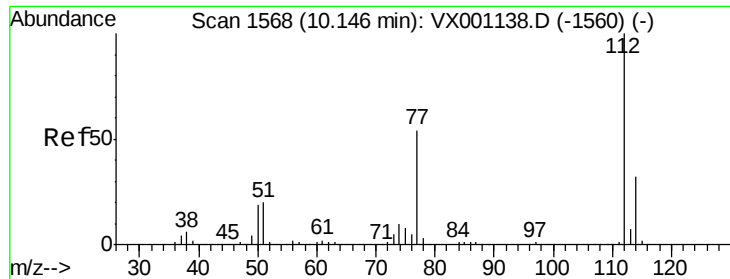
Tot Ion: 95 Resp: 165619
Ion Ratio Lower Upper
95 100
174 101.4 0.0 194.4
176 98.5 0.0 190.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

Tgt Ion: 117 Resp: 253624
Ion Ratio Lower Upper
117 100
82 51.1 42.1 63.1
119 32.7 26.1 39.1

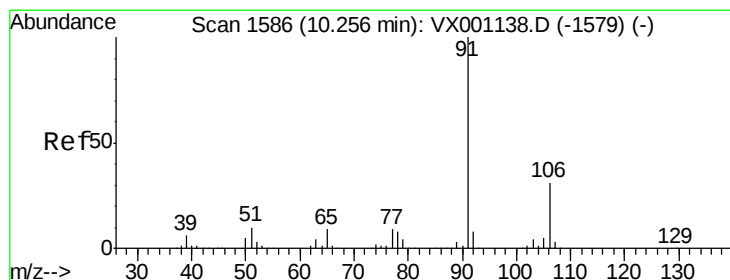
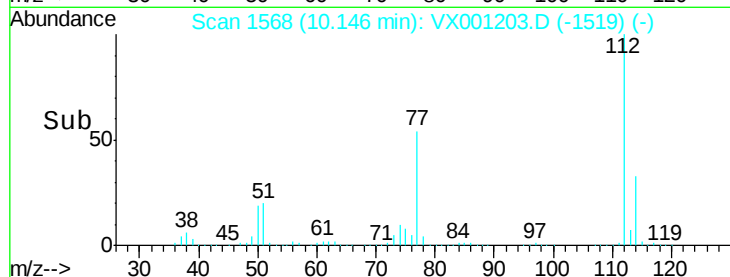
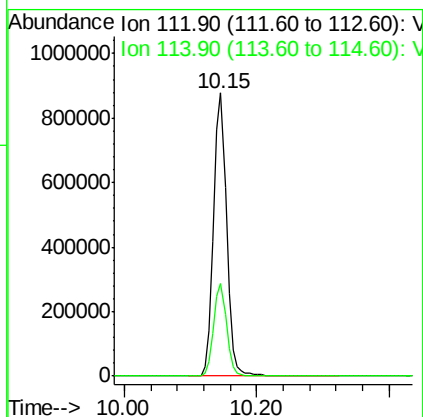
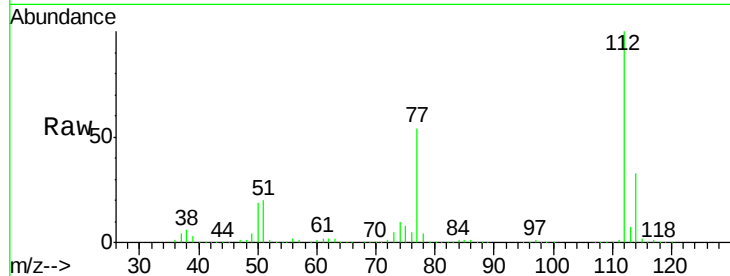




#65
Chlorobenzene
Concen: 178.60 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

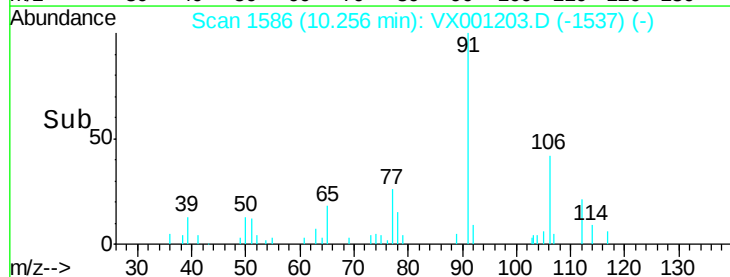
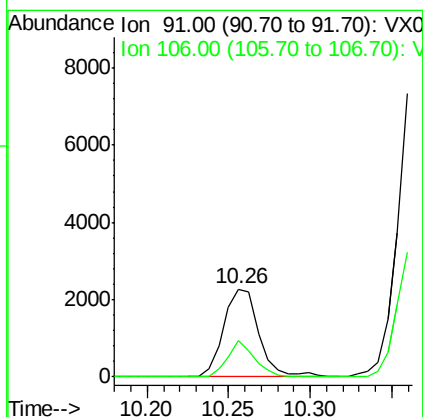
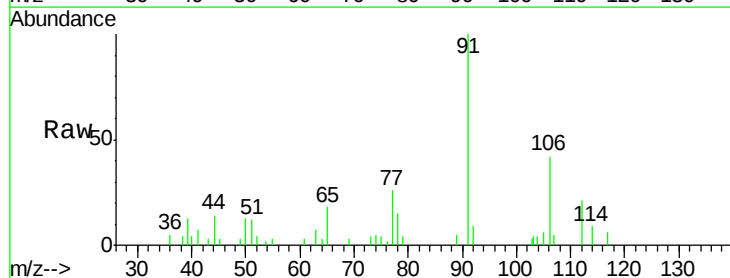
Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-180419

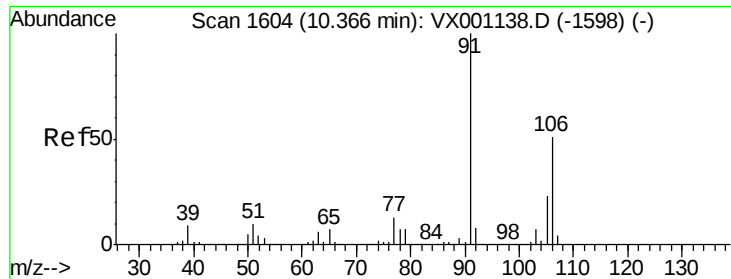
Tot Ion:112 Resp: 1186750
Ion Ratio Lower Upper
112 100
114 32.7 25.7 38.5



#67
Ethyl Benzene
Concen: 0.32 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

Tgt Ion: 91 Resp: 3418
Ion Ratio Lower Upper
91 100
106 41.8 24.8 37.2#

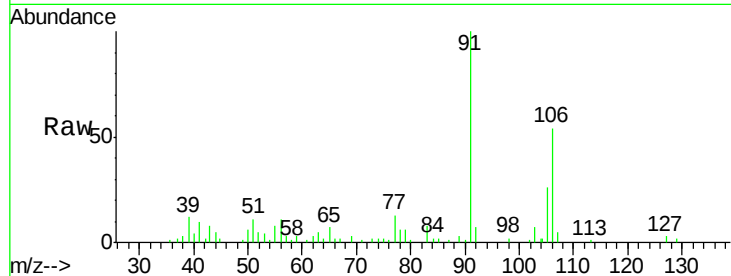




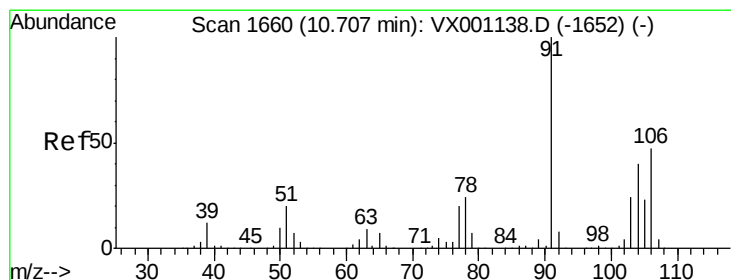
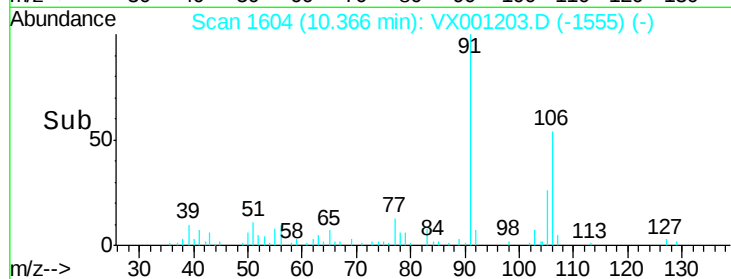
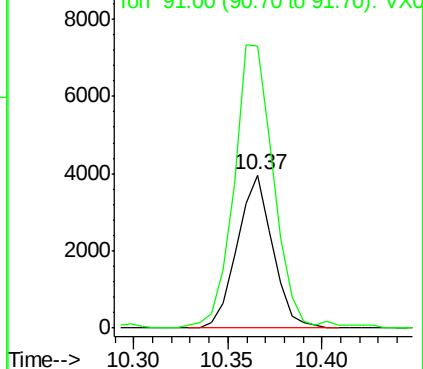
#68
m/p-Xylenes
Concen: 1.21 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-180419

Tot Ion:106 Resp: 5145
Ion Ratio Lower Upper
106 100
91 208.0 160.9 241.3

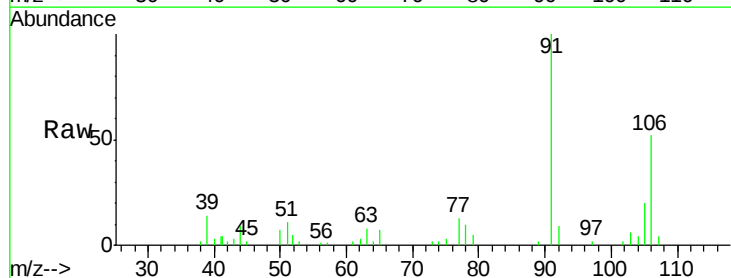


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

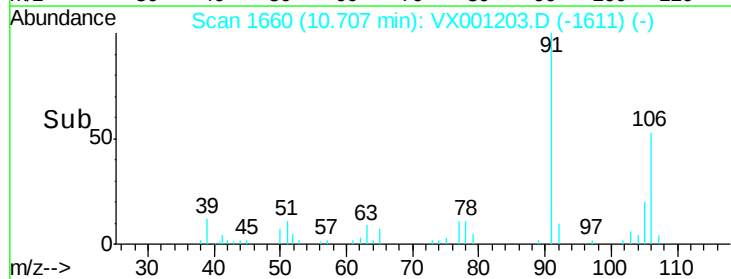
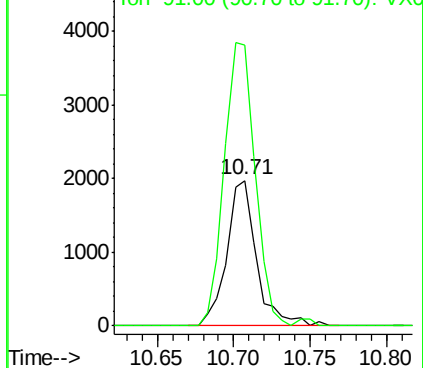


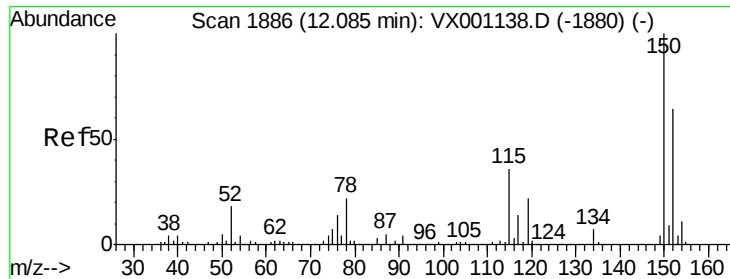
#69
o-Xylene
Concen: 0.64 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

Tgt Ion:106 Resp: 2668
Ion Ratio Lower Upper
106 100
91 201.5 106.2 318.5



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: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001203.D

Acq: 28 Apr 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-180419

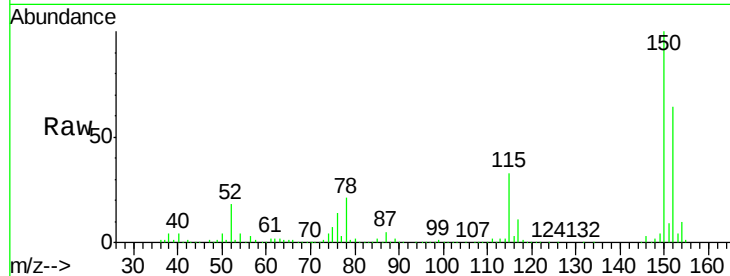
Tot Ion:152 Resp: 150145

Ion Ratio Lower Upper

152 100

115 53.2 38.0 114.0

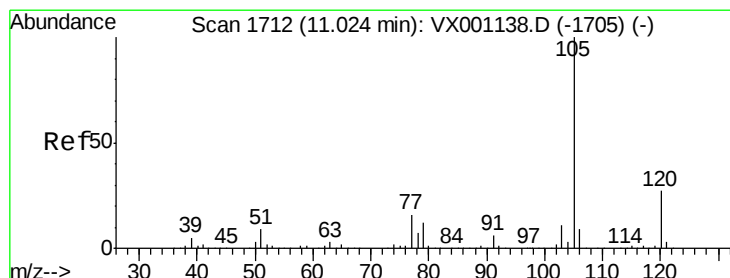
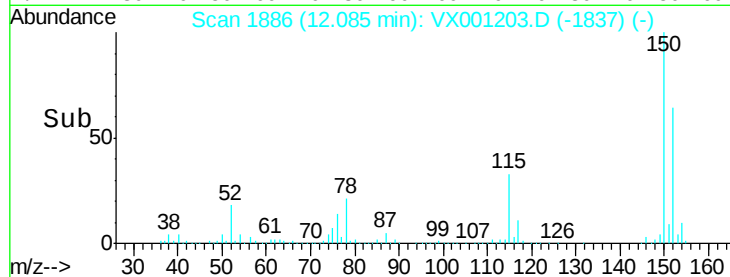
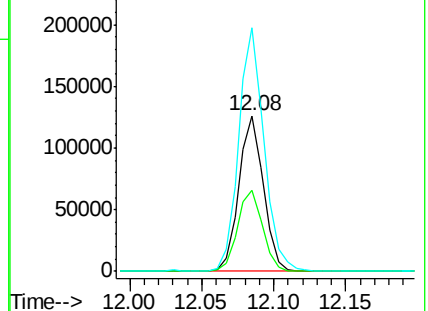
150 161.1 0.0 349.6



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: 0.75 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001203.D

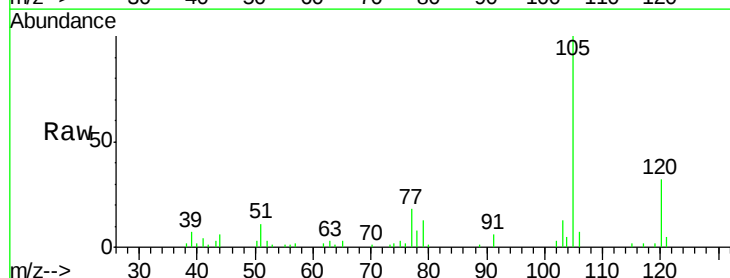
Acq: 28 Apr 2018 06:06

Tgt Ion:105 Resp: 7299

Ion Ratio Lower Upper

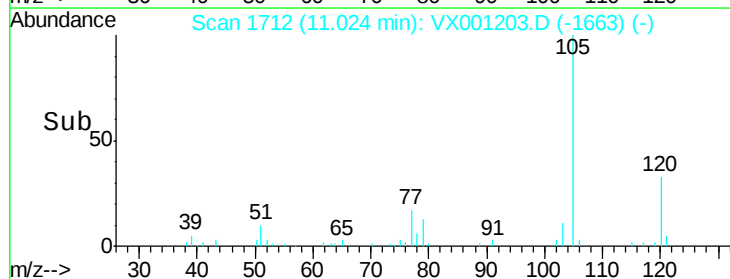
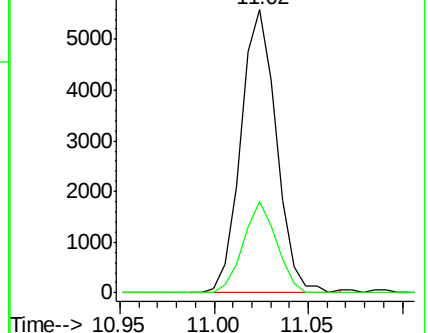
105 100

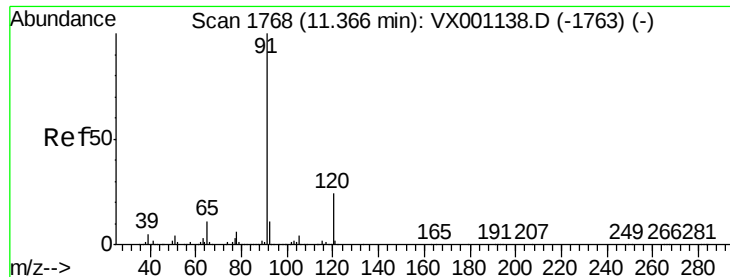
120 30.0 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.55 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001203.D

Acq: 28 Apr 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

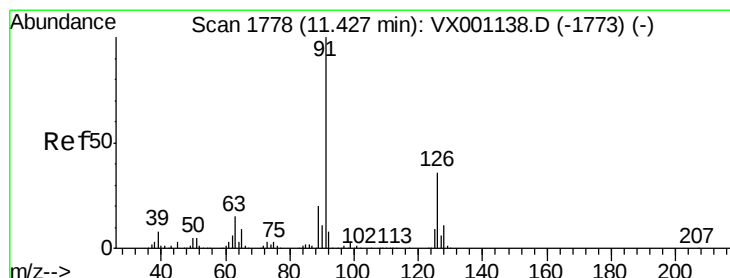
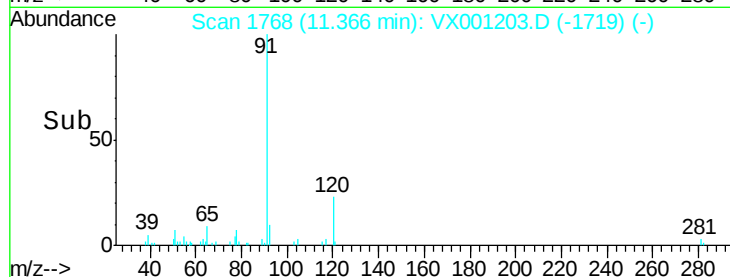
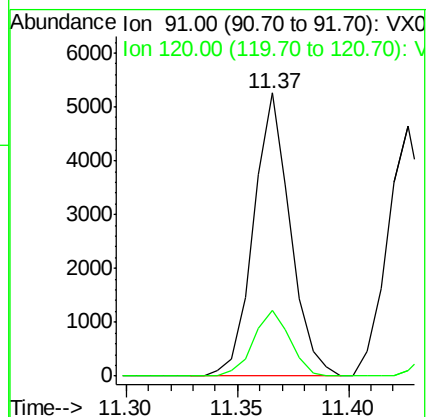
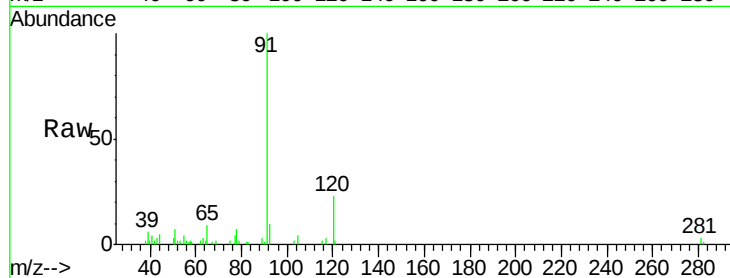
SS043MW011-180419

Tot Ion: 91 Resp: 6028

Ion Ratio Lower Upper

91 100

120 23.0 12.2 36.6



#79

2-Chlorotoluene

Concen: 0.91 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001203.D

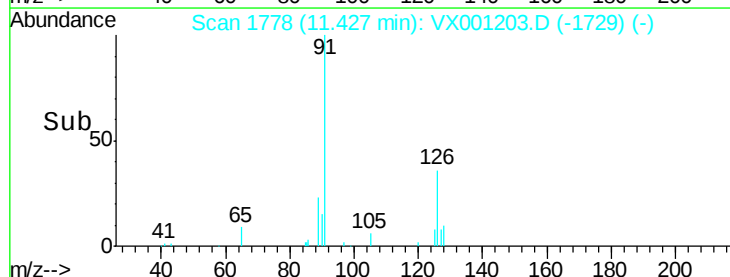
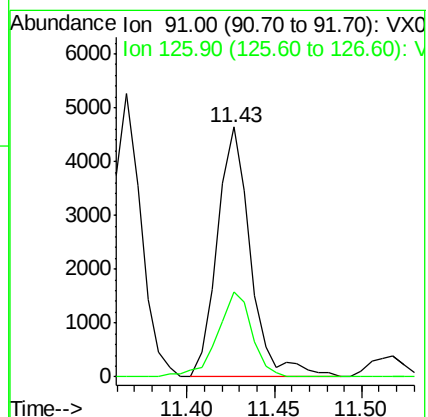
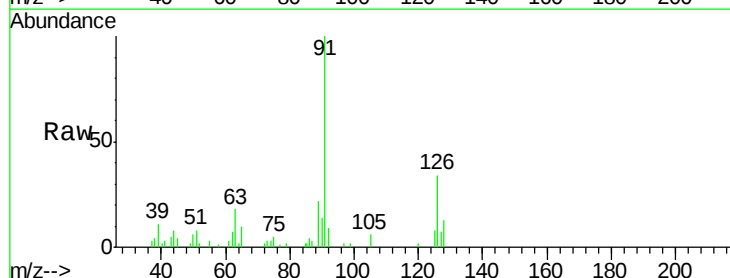
Acq: 28 Apr 2018 06:06

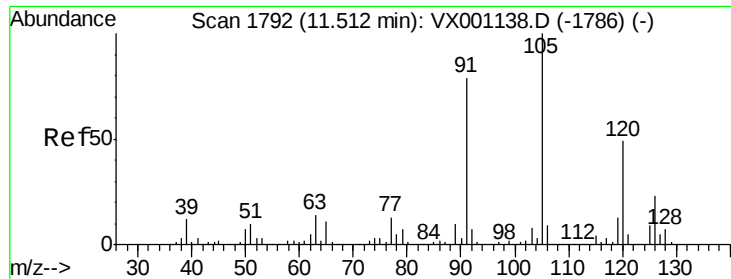
Tgt Ion: 91 Resp: 6142

Ion Ratio Lower Upper

91 100

126 35.1 18.2 54.6

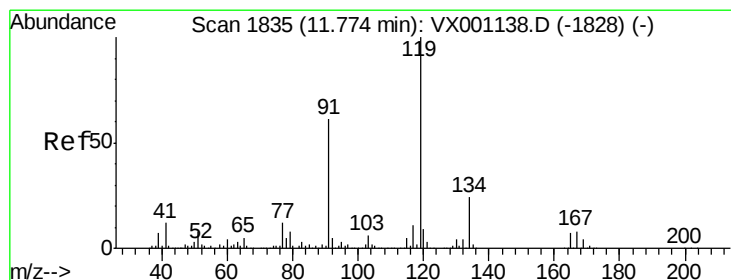
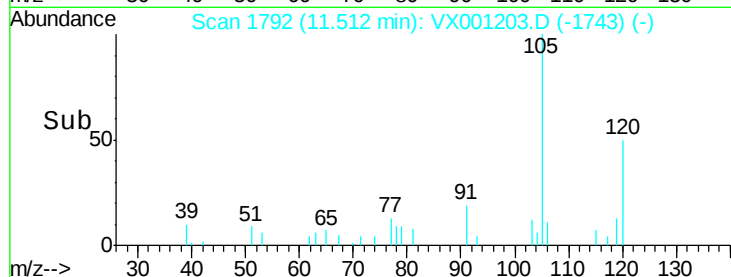
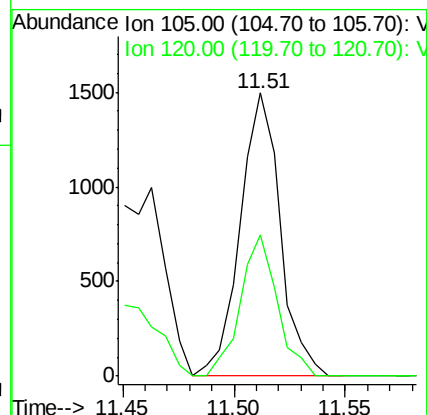
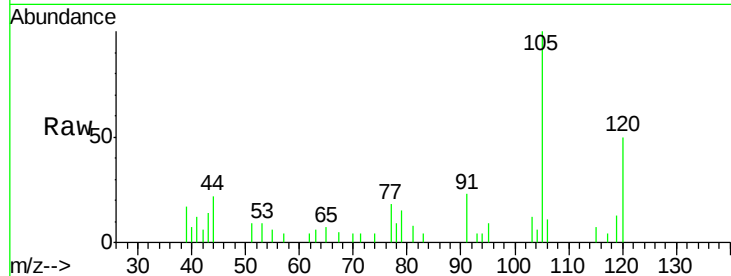




#80
 1,3,5-Trimethylbenzene
 Concen: 0.23 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001203.D
 Acq: 28 Apr 2018 06:06

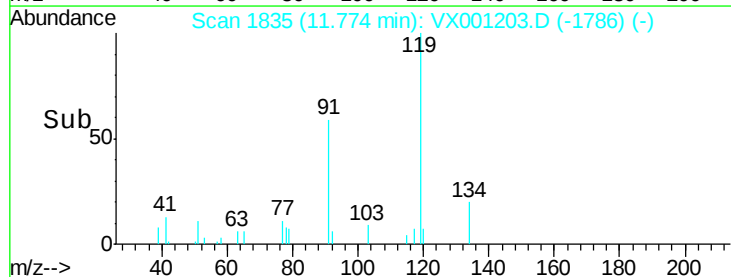
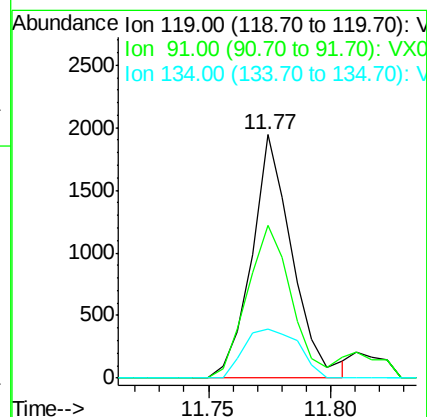
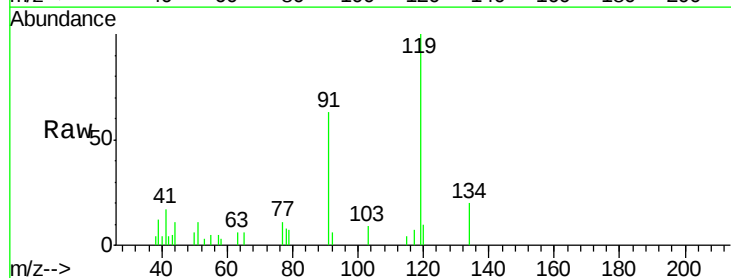
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-180419

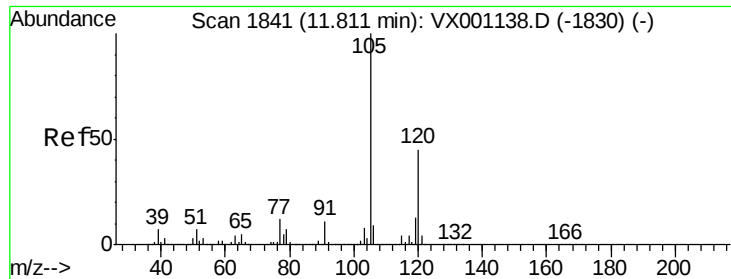
Tot Ion:105 Resp: 1874
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.6 74.0



#83
 tert-Butylbenzene
 Concen: 0.27 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001203.D
 Acq: 28 Apr 2018 06:06

Tgt Ion:119 Resp: 2241
 Ion Ratio Lower Upper
 119 100
 91 68.1 27.6 82.8
 134 27.2 11.5 34.5

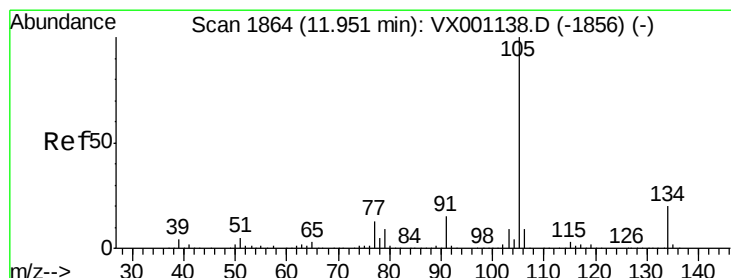
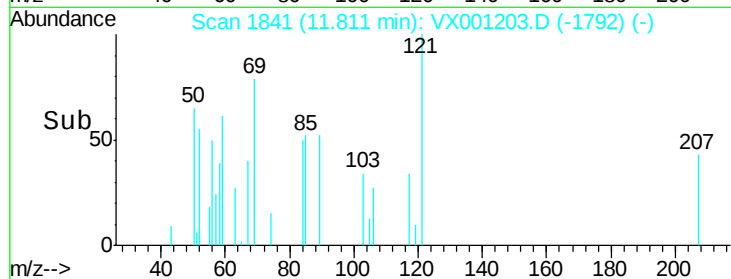
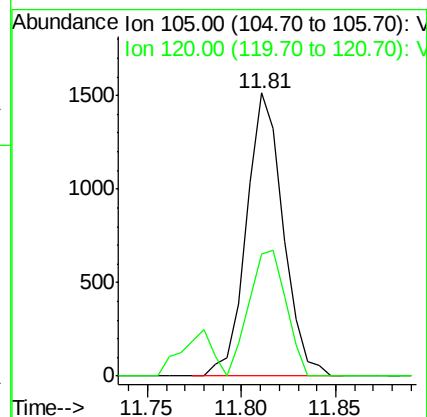
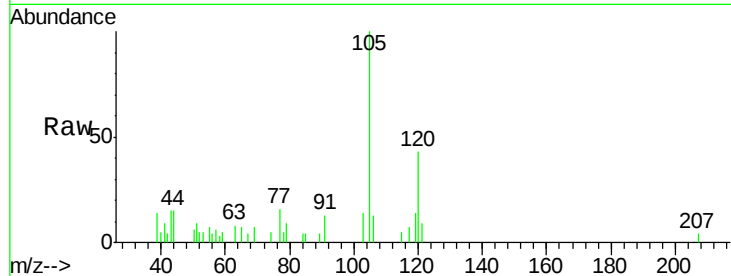




#84
1,2,4-Trimethylbenzene
Concen: 0.24 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

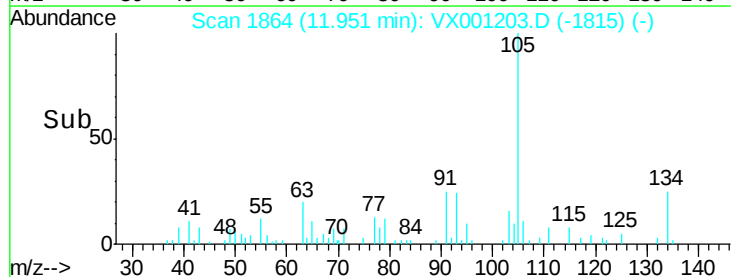
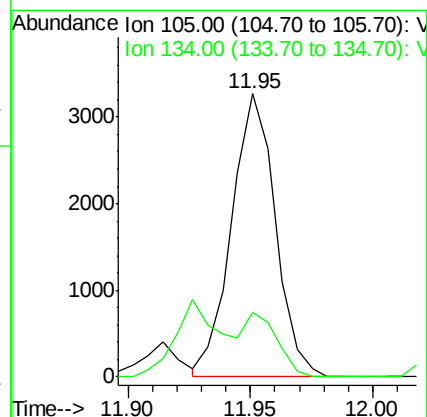
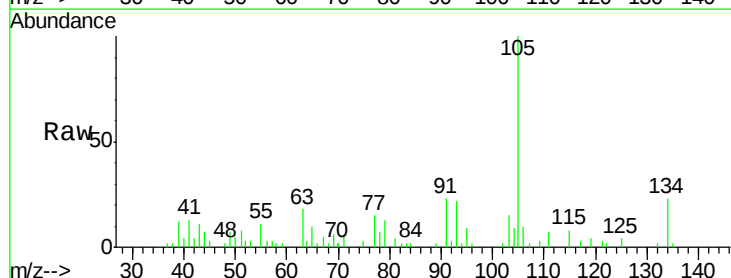
Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-180419

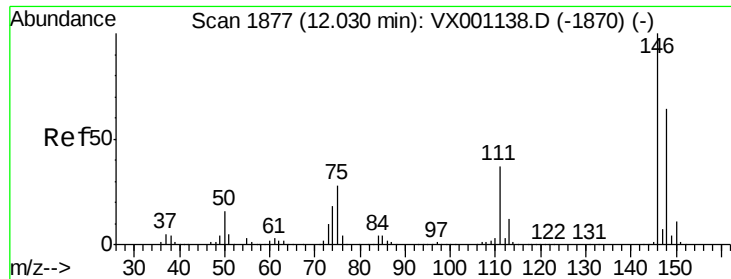
Tot Ion:105 Resp: 2044
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.3



#85
sec-Butylbenzene
Concen: 0.42 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX001203.D
Acq: 28 Apr 2018 06:06

Tgt Ion:105 Resp: 4066
Ion Ratio Lower Upper
105 100
134 16.0 10.5 31.5

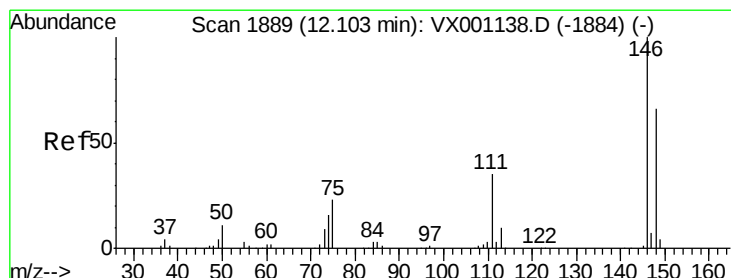
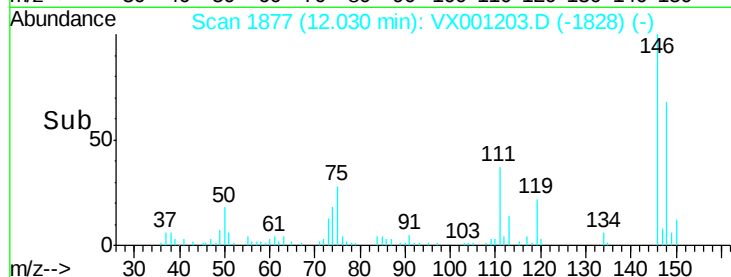
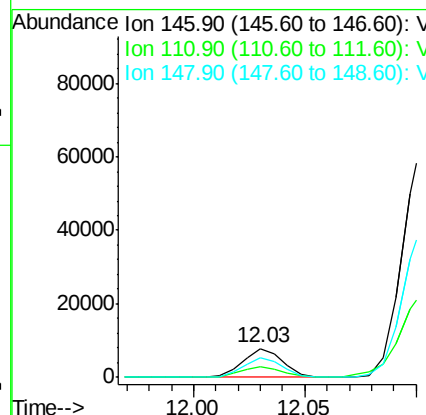
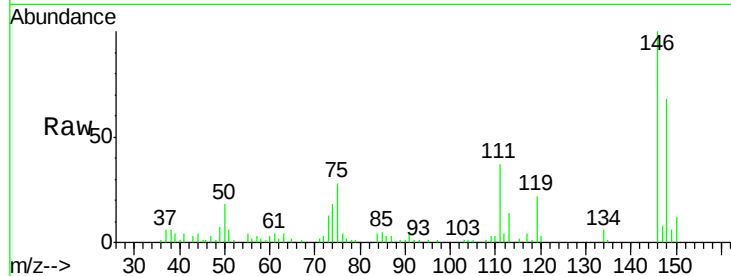




#87
 1,3-Dichlorobenzene
 Concen: 1.86 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001203.D
 Acq: 28 Apr 2018 06:06

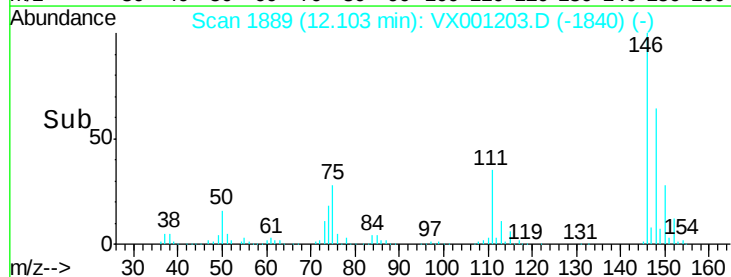
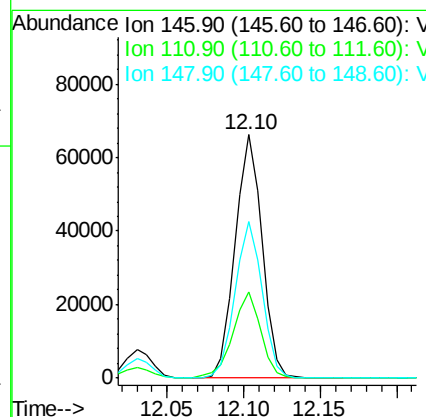
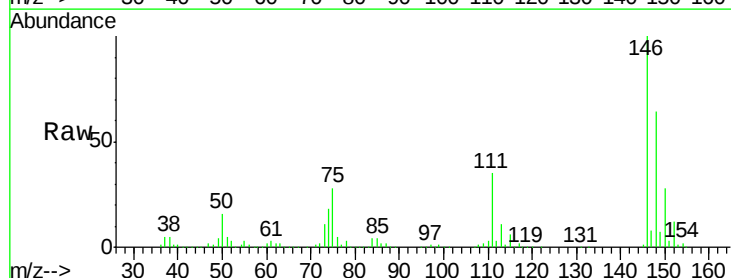
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-180419

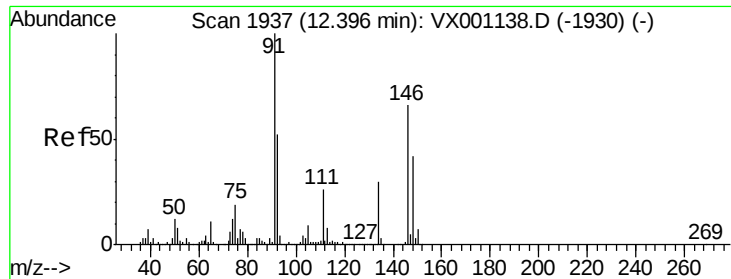
Tot Ion:146 Resp: 9683
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.6 56.0
 148 67.6 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 14.89 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001203.D
 Acq: 28 Apr 2018 06:06

Tgt Ion:146 Resp: 80822
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.0 54.0
 148 64.8 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 7.68 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001203.D

Acq: 28 Apr 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-180419

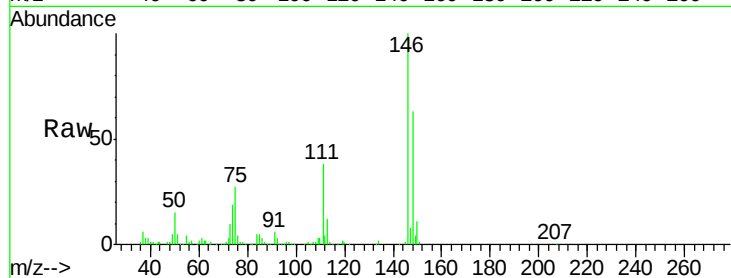
Tot Ion:146 Resp: 40433

Ion Ratio Lower Upper

146 100

111 39.5 19.1 57.3

148 64.9 32.2 96.6



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

