

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041418\
 Data File : VX000872.D
 Acq On : 14 Apr 2018 14:08
 Operator : JC/MD
 Sample : J2353-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW144-180410

Quant Time: Apr 16 05:50:22 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	330158	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200383	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	145527	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
35) Dibromofluoromethane	5.51	113	117151	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
50) Toluene-d8	8.72	98	460248	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.15	95	178425	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	

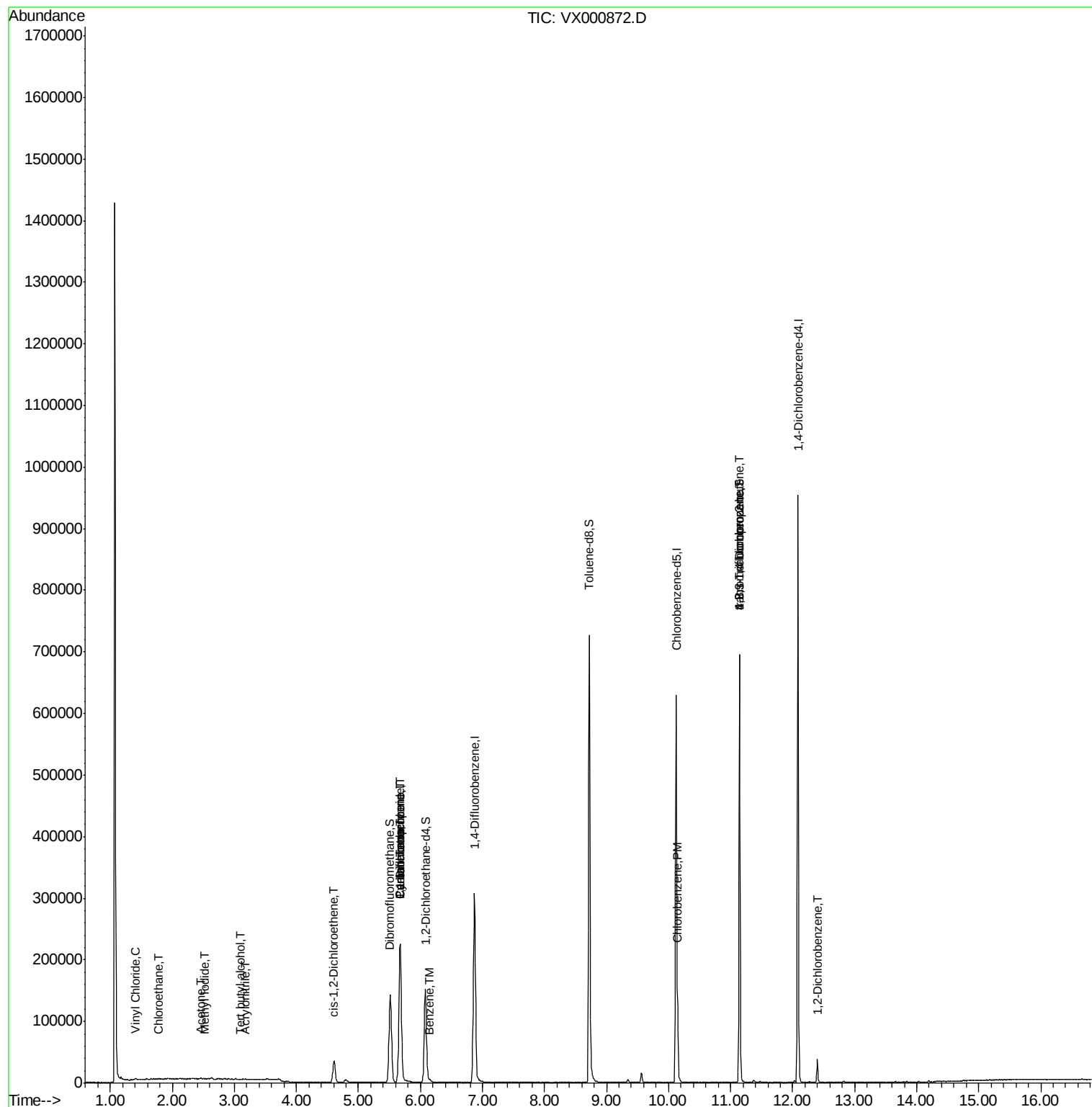
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	1388	0.51	ug/l	98
5) Bromomethane	1.65	94	477	Below	Cal	86
6) Chloroethane	1.78	64	2311	1.40	ug/l #	77
10) Methyl Iodide	2.52	142	245	8.34	ug/l #	83
11) Tert butyl alcohol	3.09	59	125	0.22	ug/l #	1
15) Acrylonitrile	3.17	53	239	0.20	ug/l #	76
16) Acetone	2.45	43	1374	1.26	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	22358	7.78	ug/l	88
31) Cyclohexane	5.67	56	3626	0.87	ug/l #	13
36) 1,1-Dichloropropene	5.67	75	14691	4.04	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21145	5.20	ug/l #	15
40) Benzene	6.15	78	4706	0.47	ug/l	96
65) Chlorobenzene	10.15	112	46645	6.11	ug/l	99
76) 1,2,3-Trichloropropane	11.15	75	87277	25.26	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	87277	69.47	ug/l #	11
91) 1,2-Dichlorobenzene	12.40	146	11985	1.80	ug/l	98

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

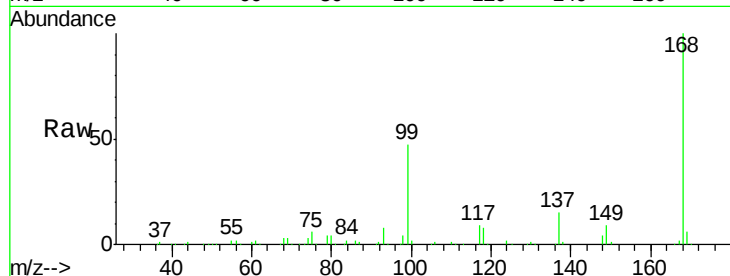
LF012MW144-180410

Tgt Ion:168 Resp: 250284

Ion Ratio Lower Upper

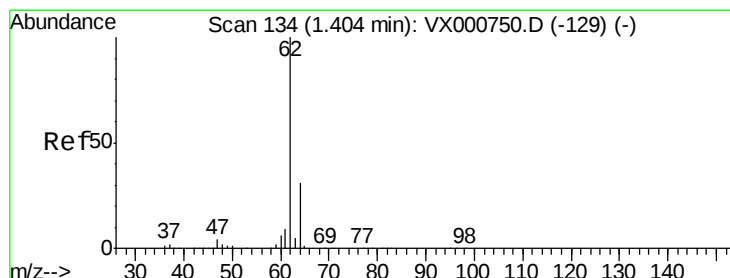
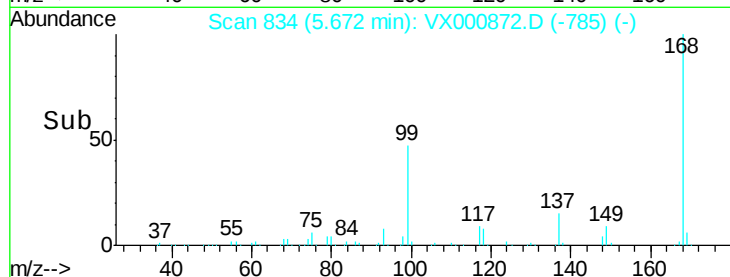
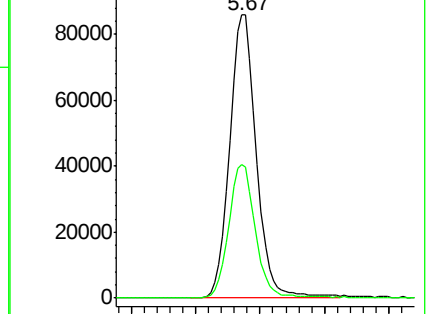
168 100

99 47.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.51 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000872.D

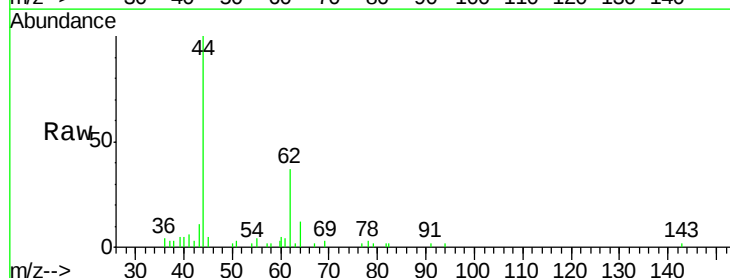
Acq: 14 Apr 2018 14:08

Tgt Ion: 62 Resp: 1388

Ion Ratio Lower Upper

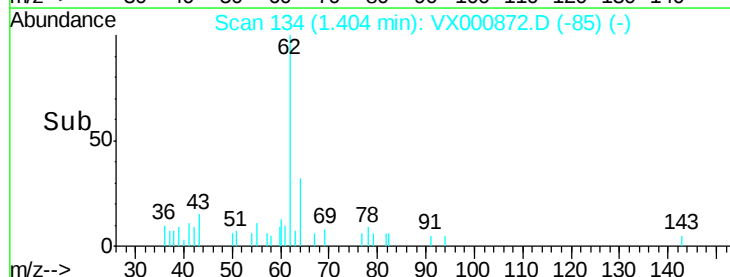
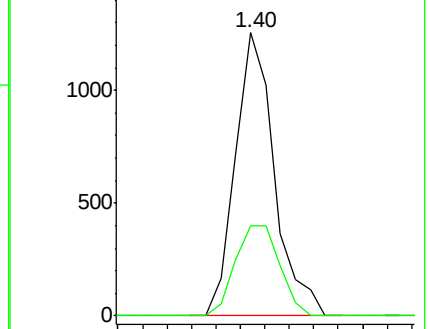
62 100

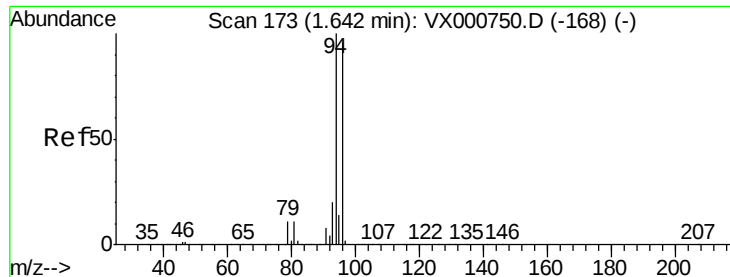
64 31.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

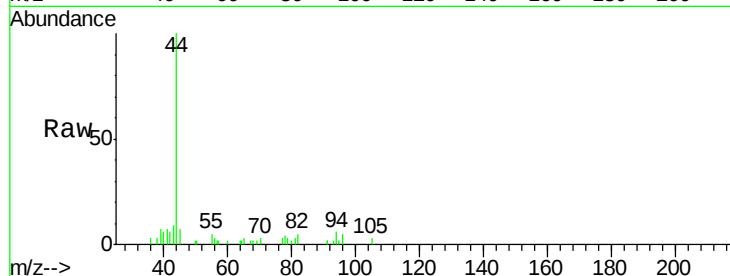
LF012MW144-180410

Tgt Ion: 94 Resp: 477

Ion Ratio Lower Upper

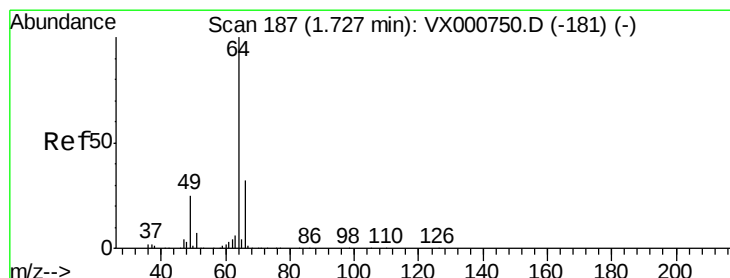
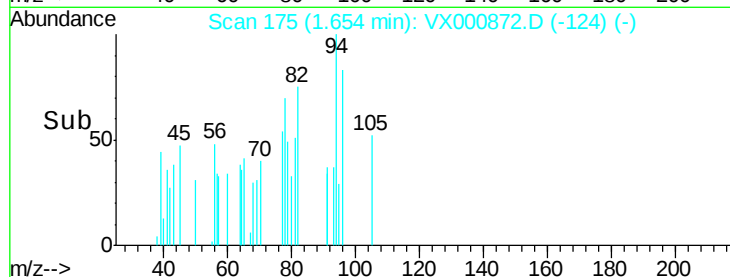
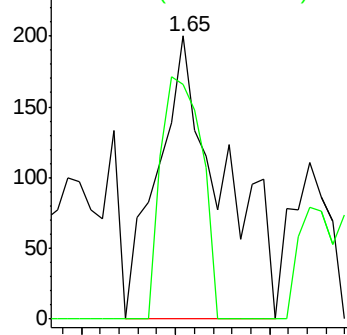
94 100

96 83.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.40 ug/l

RT: 1.78 min Scan# 195

Delta R.T. 0.05 min

Lab File: VX000872.D

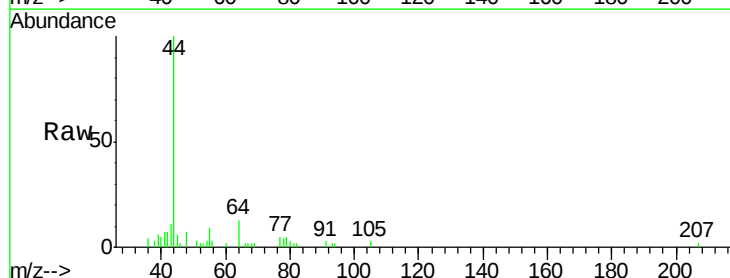
Acq: 14 Apr 2018 14:08

Tgt Ion: 64 Resp: 2311

Ion Ratio Lower Upper

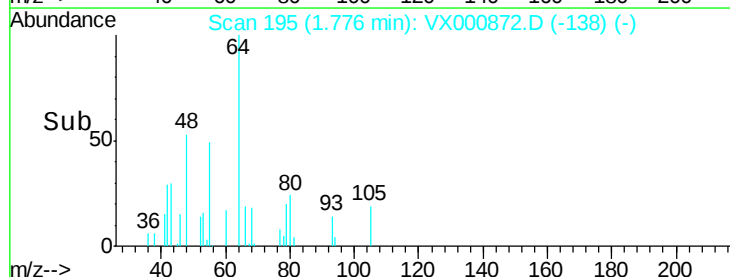
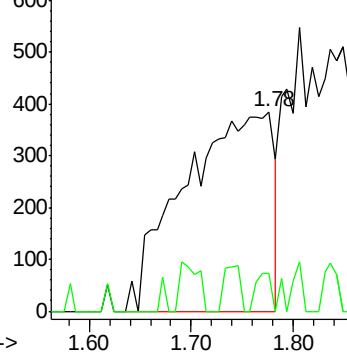
64 100

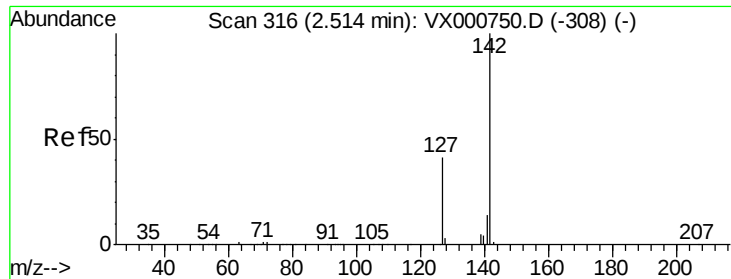
66 18.7 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

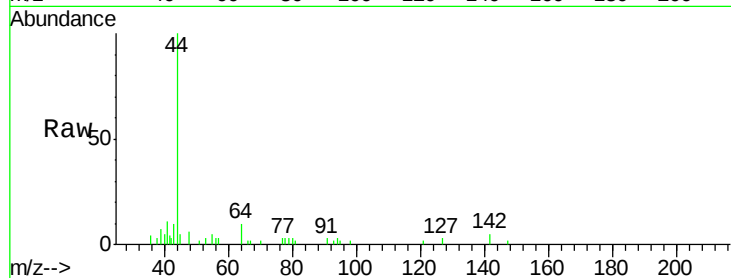




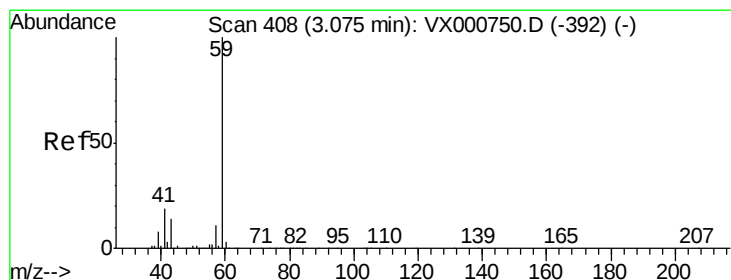
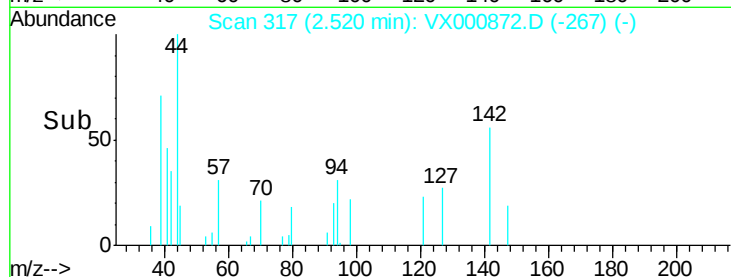
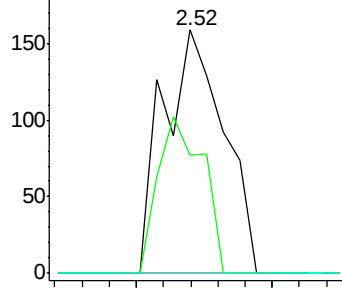
#10
Methyl Iodide
Concen: 8.34 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000872.D
Acq: 14 Apr 2018 14:08

Instrument :
MSVOA_X
ClientSampleId :
LF012MW144-180410

Tgt Ion:142 Resp: 245
Ion Ratio Lower Upper
142 100
127 47.8 32.6 49.0
141 0.0 11.5 17.3#

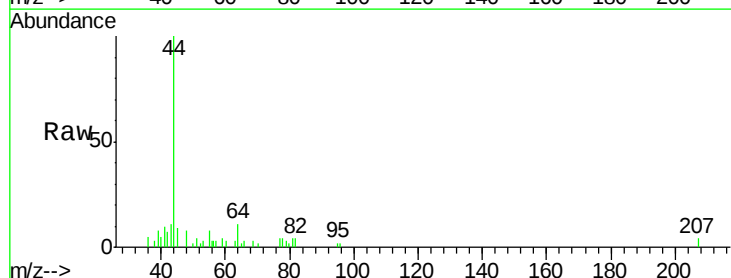


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

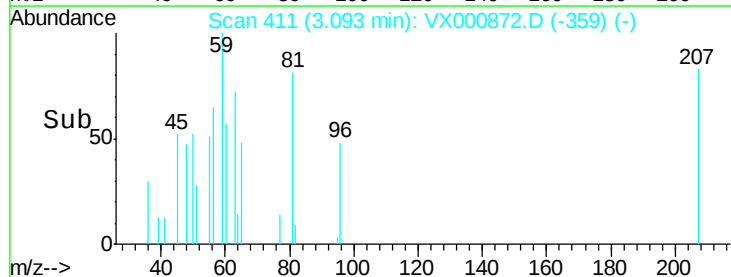
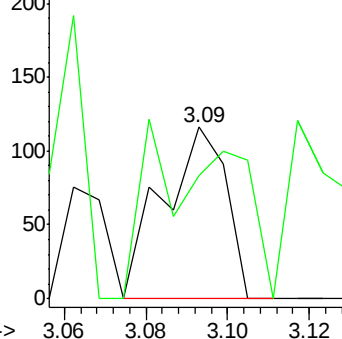


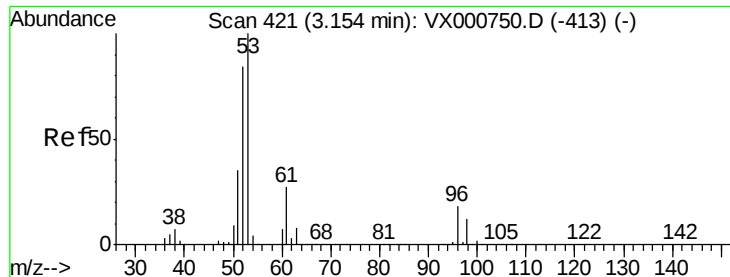
#11
Tert butyl alcohol
Concen: 0.22 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.02 min
Lab File: VX000872.D
Acq: 14 Apr 2018 14:08

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 132.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#15

Acrylonitrile

Concen: 0.20 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

LF012MW144-180410

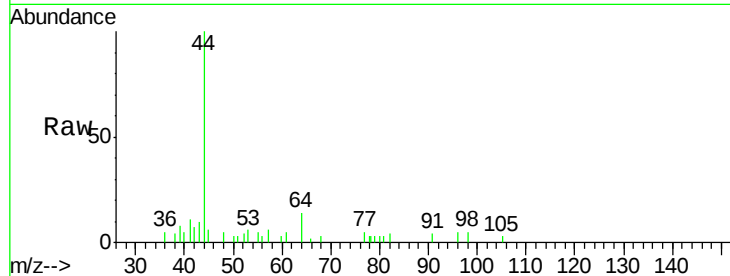
Tgt Ion: 53 Resp: 239

Ion Ratio Lower Upper

53 100

52 106.7 66.5 99.7#

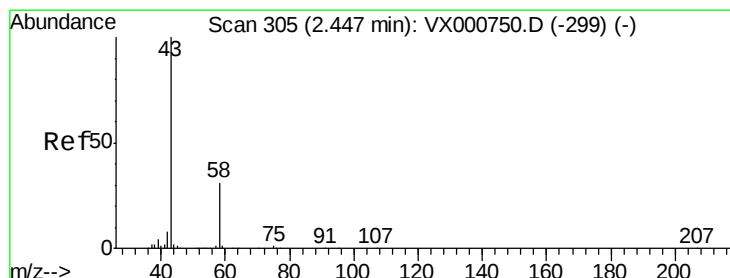
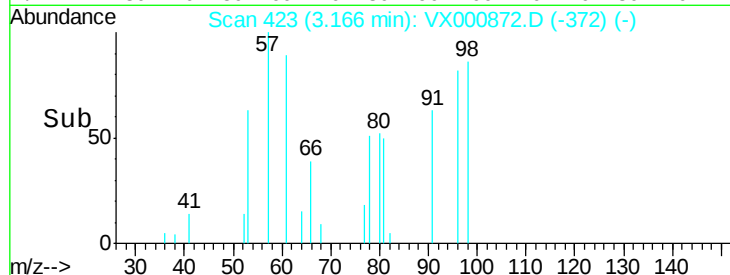
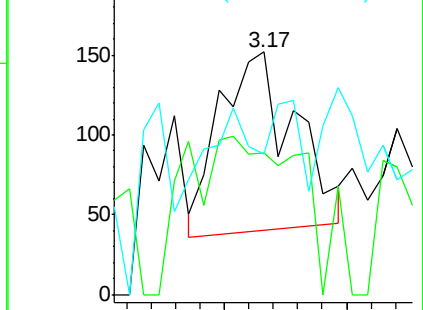
51 46.9 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.26 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000872.D

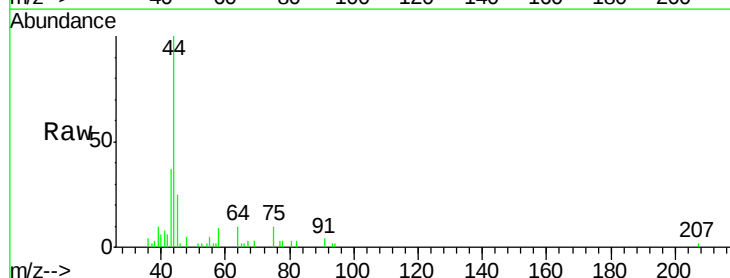
Acq: 14 Apr 2018 14:08

Tgt Ion: 43 Resp: 1374

Ion Ratio Lower Upper

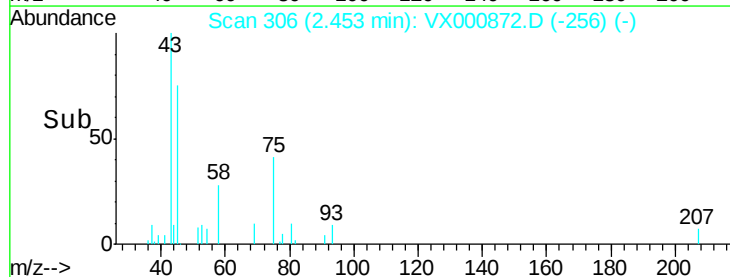
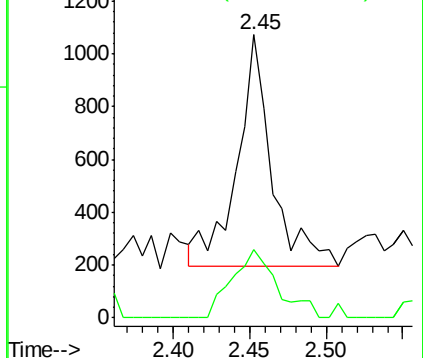
43 100

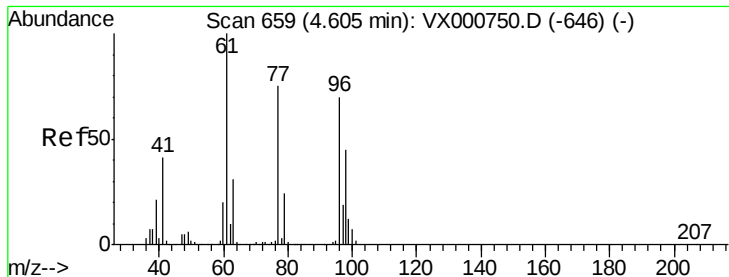
58 29.7 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 7.78 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

LF012MW144-180410

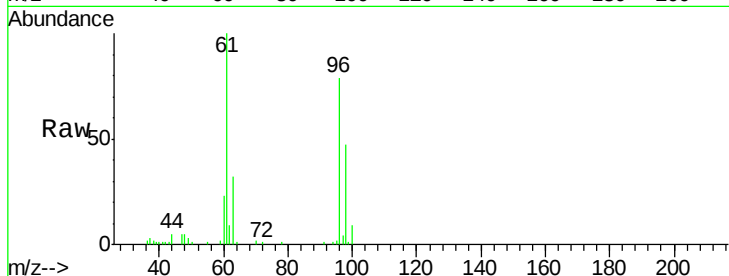
Tgt Ion: 96 Resp: 22358

Ion Ratio Lower Upper

96 100

61 125.7 0.0 292.4

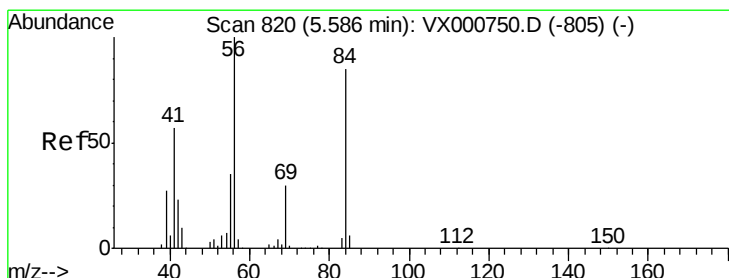
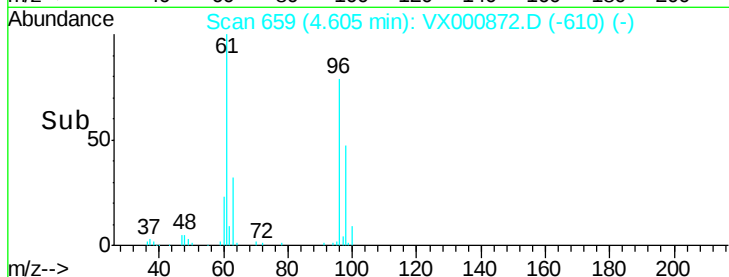
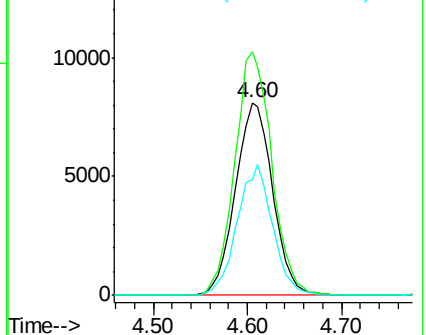
98 64.3 0.0 130.2



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



#31

Cyclohexane

Concen: 0.87 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

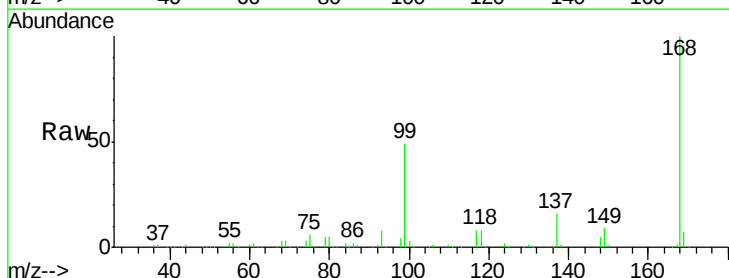
Tgt Ion: 56 Resp: 3626

Ion Ratio Lower Upper

56 100

69 165.4 24.2 36.4#

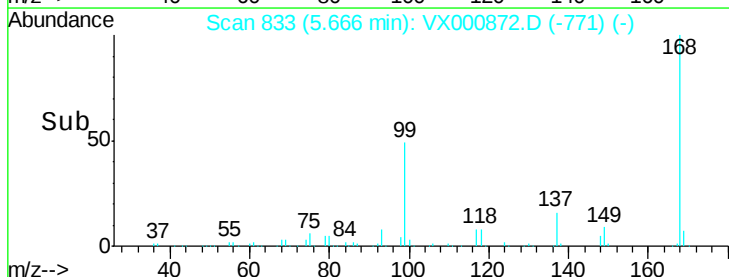
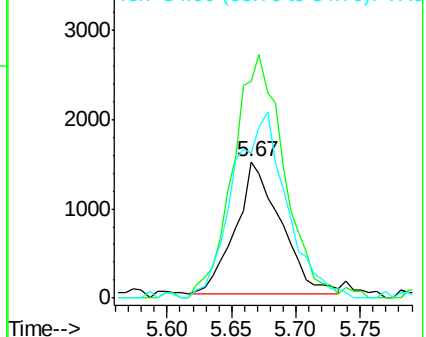
84 111.0 67.6 101.4#

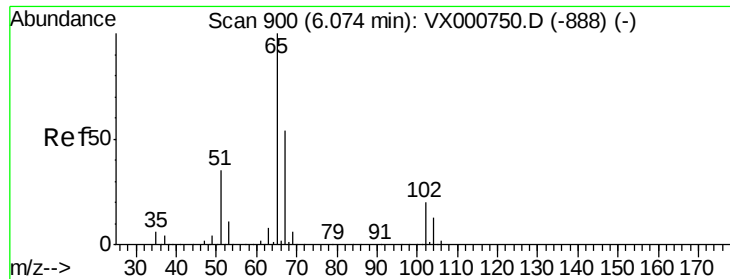


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.11 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

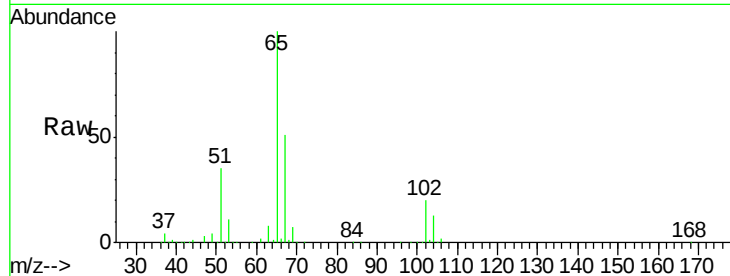
LF012MW144-180410

Tgt Ion: 65 Resp: 145527

Ion Ratio Lower Upper

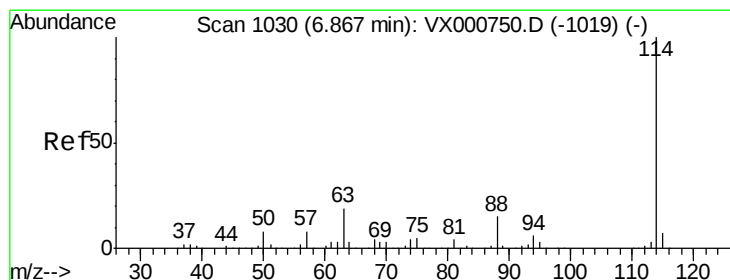
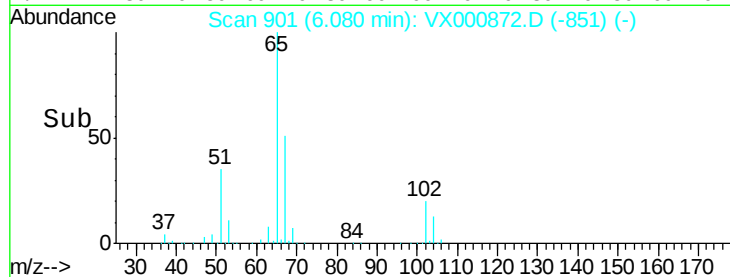
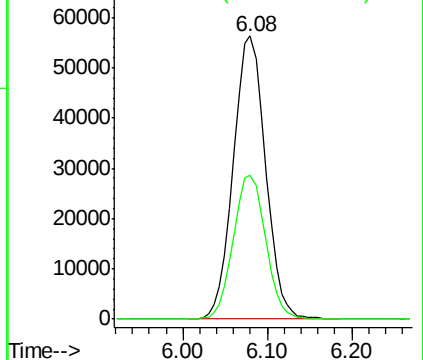
65 100

67 51.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

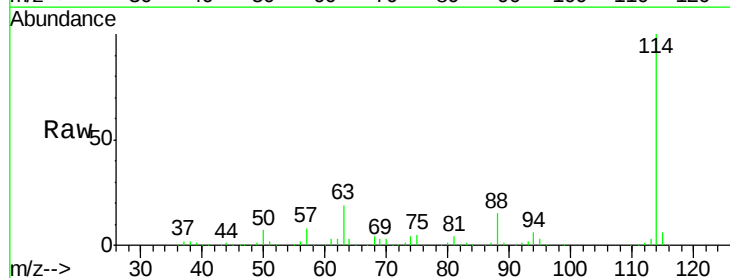
Tgt Ion: 114 Resp: 330158

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

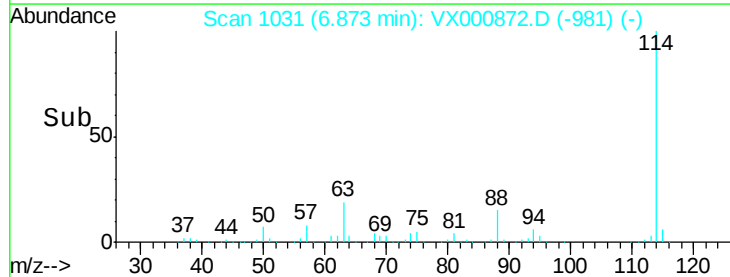
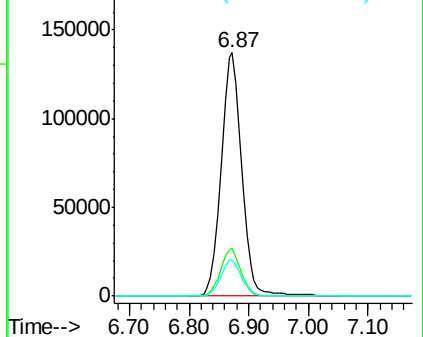
88 14.9 0.0 31.0

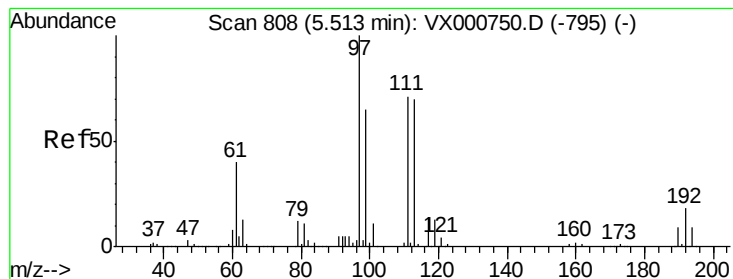


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.06 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

LF012MW144-180410

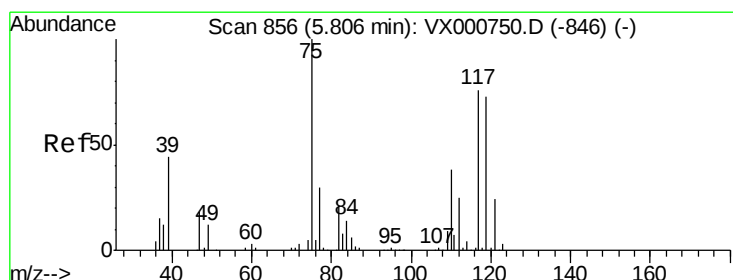
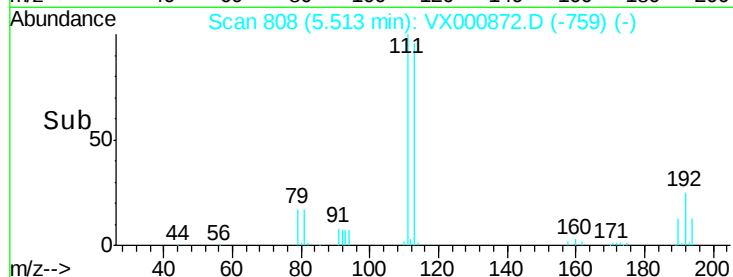
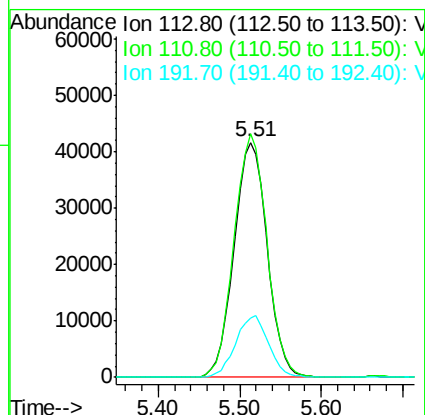
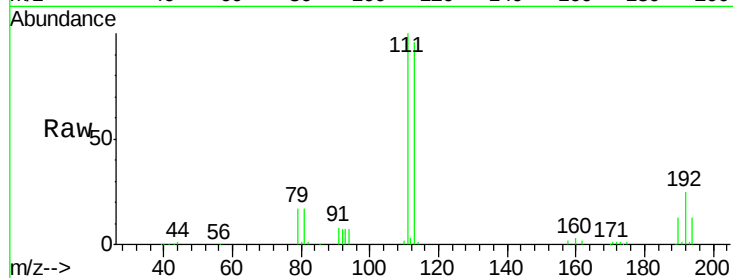
Tgt Ion:113 Resp: 117151

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

192 26.1 20.4 30.6



#36

1,1-Dichloropropene

Concen: 4.04 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

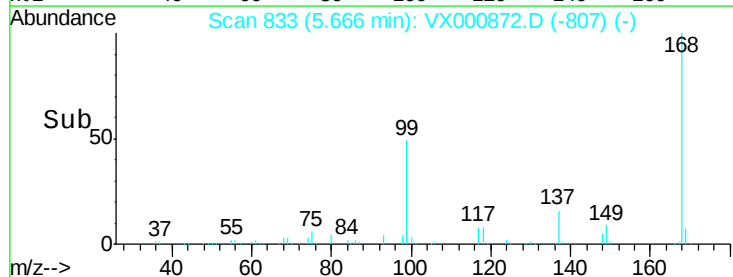
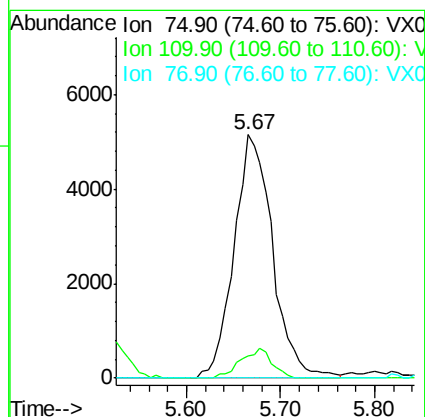
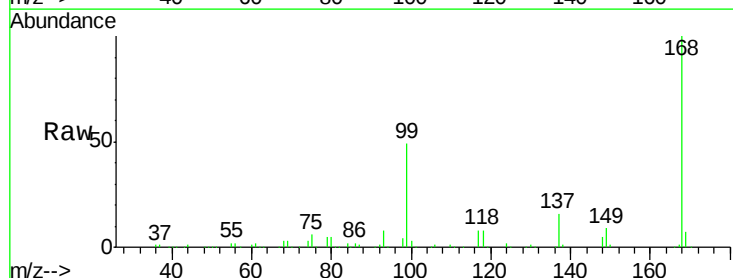
Tgt Ion: 75 Resp: 14691

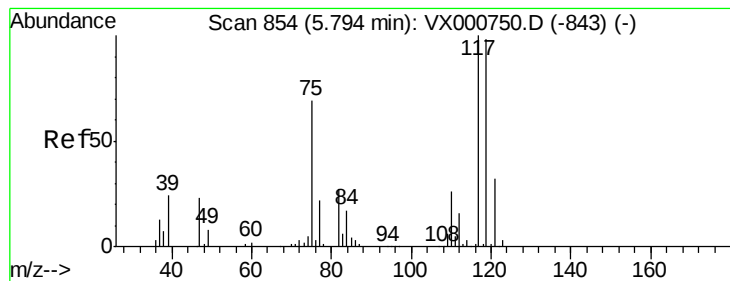
Ion Ratio Lower Upper

75 100

110 9.9 19.2 57.6#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.20 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

LF012MW144-180410

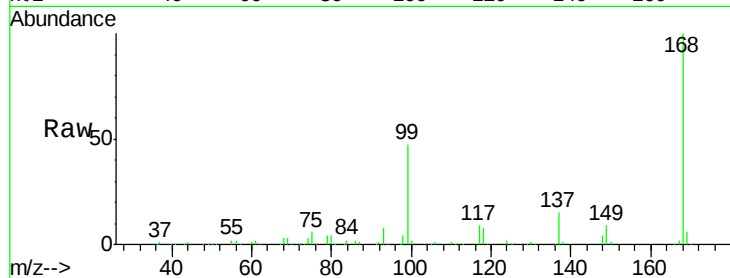
Tgt Ion:117 Resp: 21145

Ion Ratio Lower Upper

117 100

119 5.4 78.4 117.6#

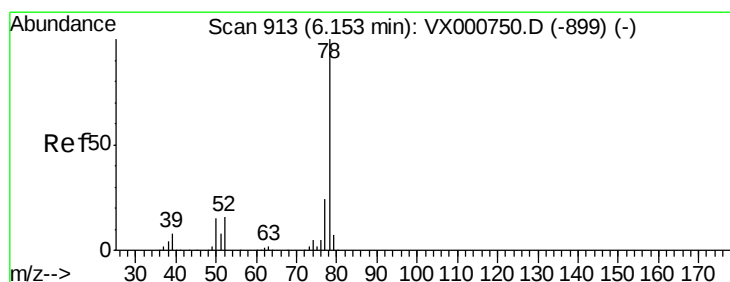
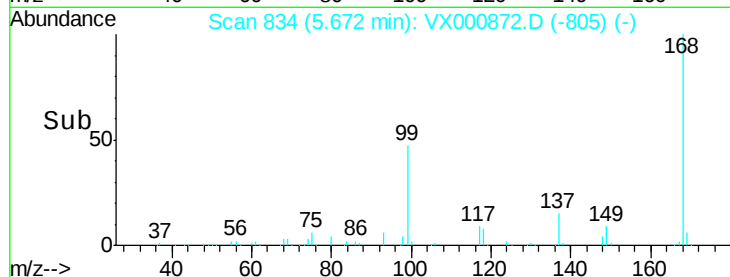
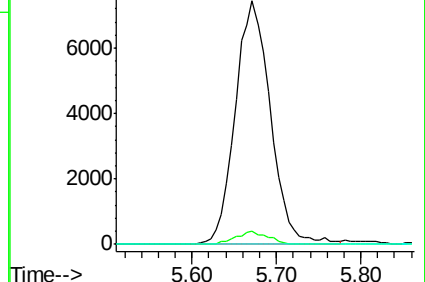
121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.47 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX000872.D

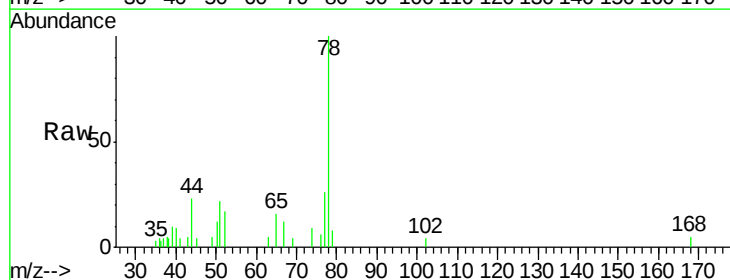
Acq: 14 Apr 2018 14:08

Tgt Ion: 78 Resp: 4706

Ion Ratio Lower Upper

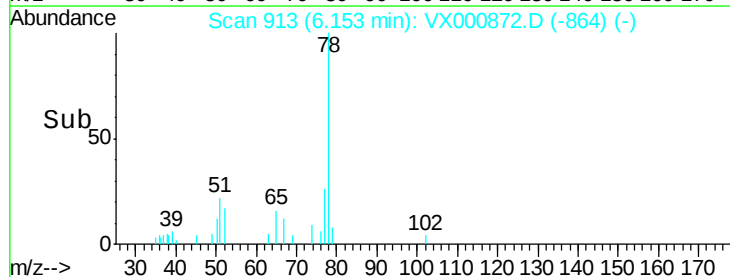
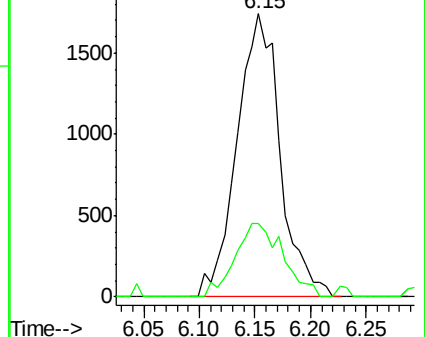
78 100

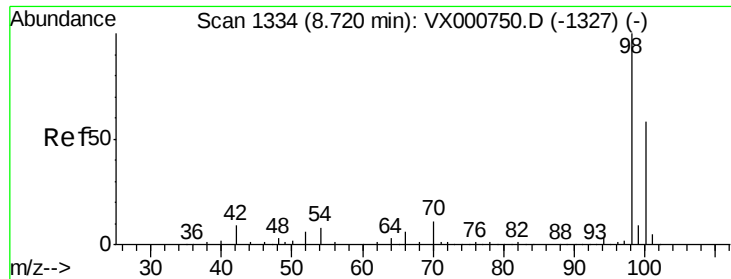
77 25.9 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 48.60 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

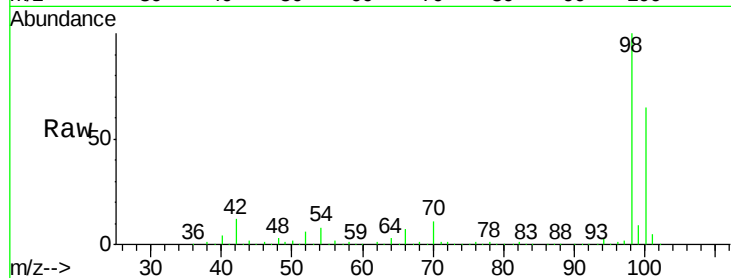
LF012MW144-180410

Tgt Ion: 98 Resp: 460248

Ion Ratio Lower Upper

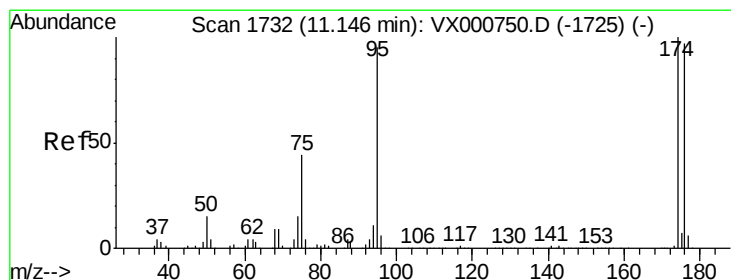
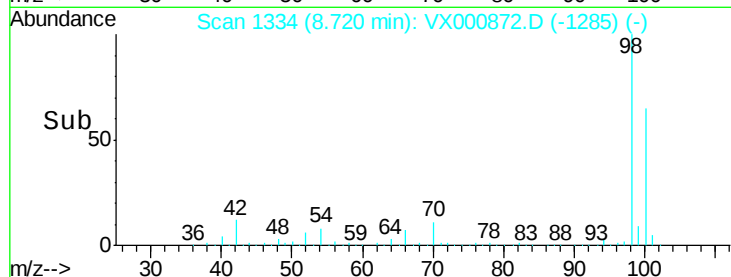
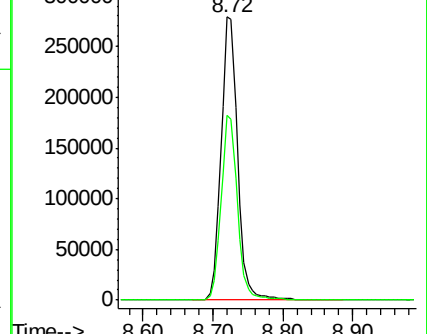
98 100

100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.53 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

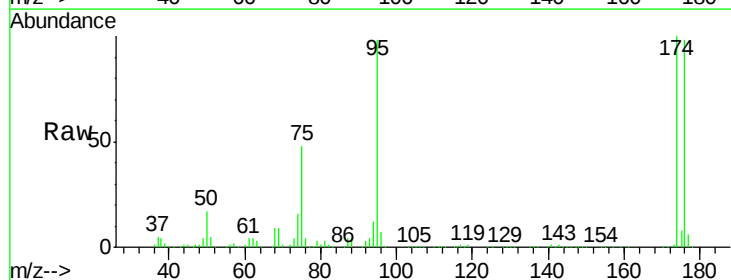
Tgt Ion: 95 Resp: 178425

Ion Ratio Lower Upper

95 100

174 97.2 0.0 198.4

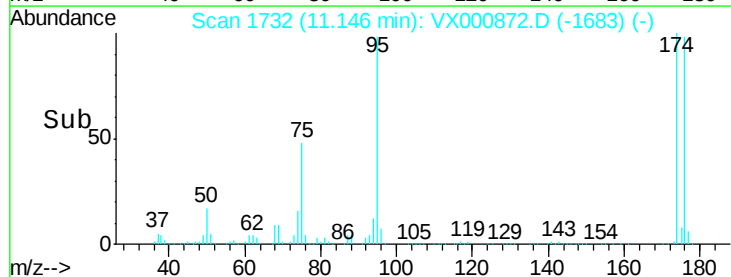
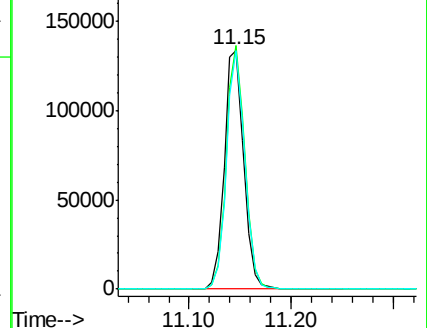
176 94.3 0.0 194.4

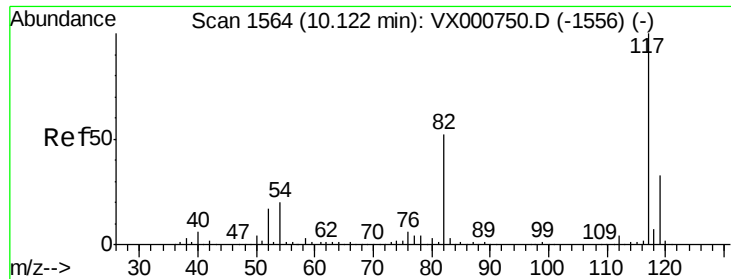


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

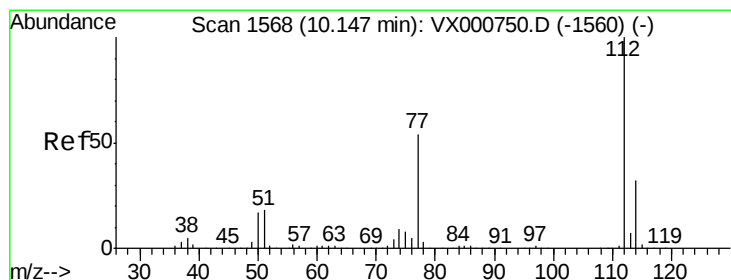
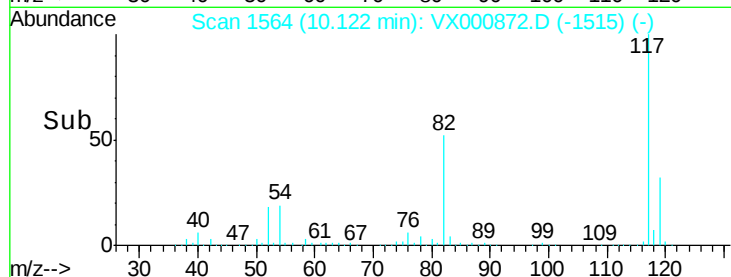
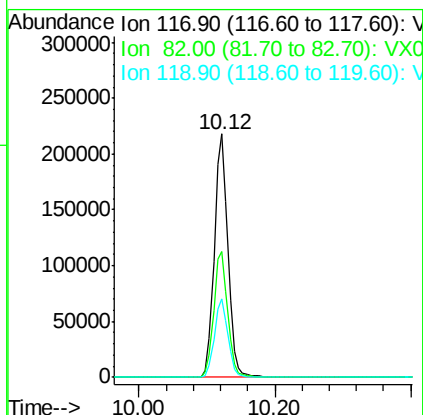
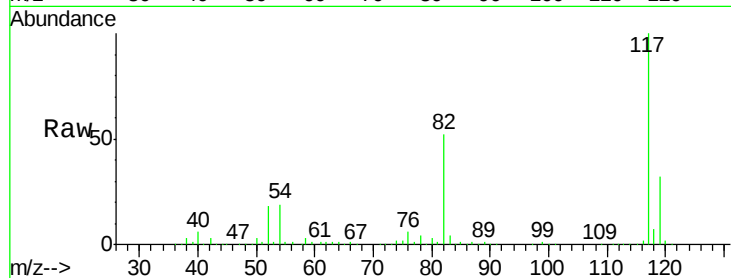




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000872.D
Acq: 14 Apr 2018 14:08

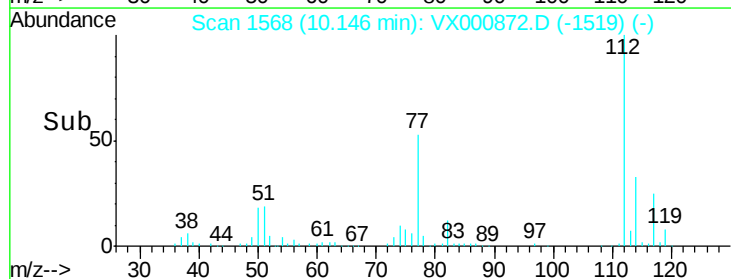
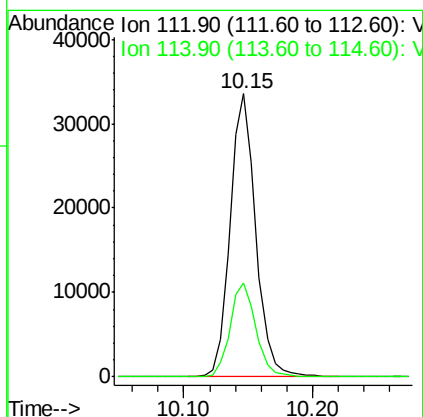
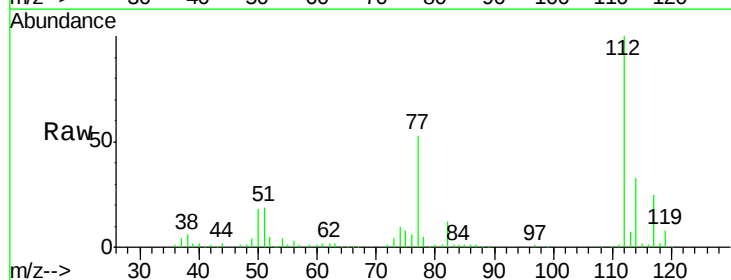
Instrument :
MSVOA_X
ClientSampleId :
LF012MW144-180410

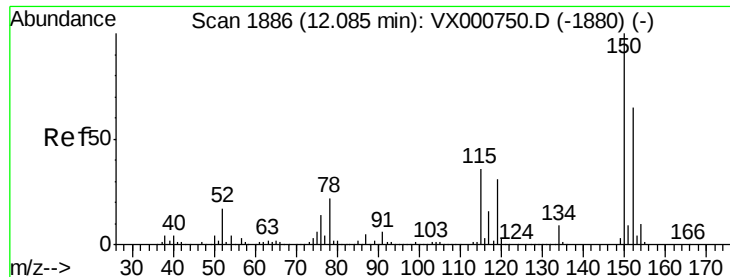
Tgt Ion:117 Resp: 303699
Ion Ratio Lower Upper
117 100
82 51.8 41.9 62.9
119 32.2 26.0 39.0



#65
Chlorobenzene
Concen: 6.11 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000872.D
Acq: 14 Apr 2018 14:08

Tgt Ion:112 Resp: 46645
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

LF012MW144-180410

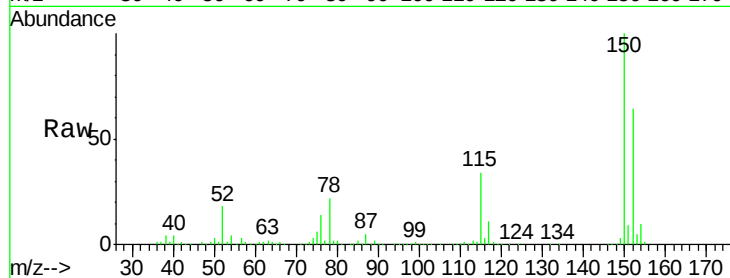
Tgt Ion:152 Resp: 200383

Ion Ratio Lower Upper

152 100

115 53.5 37.9 113.7

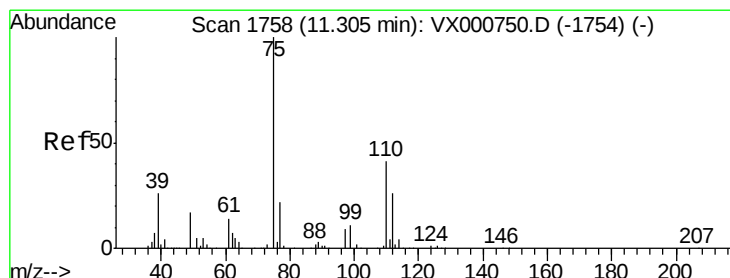
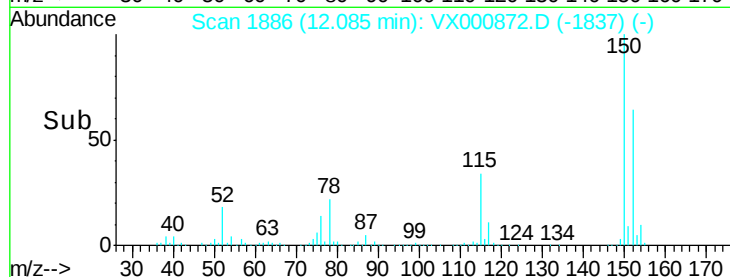
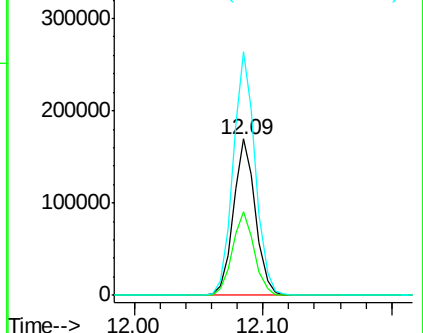
150 156.9 0.0 348.0



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



#76

1,2,3-Trichloropropane

Concen: 25.26 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000872.D

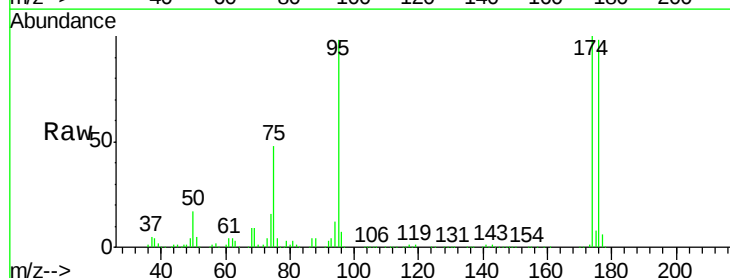
Acq: 14 Apr 2018 14:08

Tgt Ion: 75 Resp: 87277

Ion Ratio Lower Upper

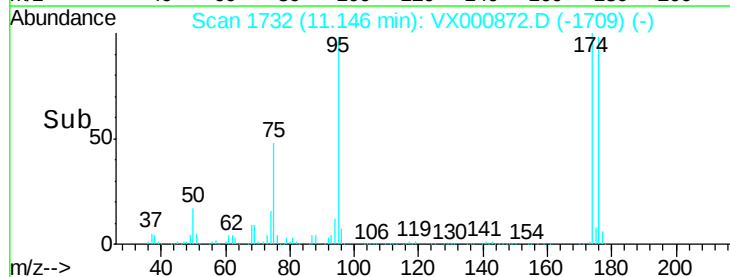
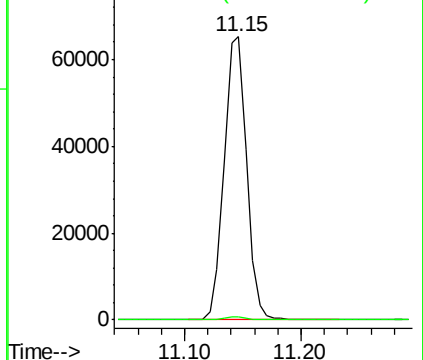
75 100

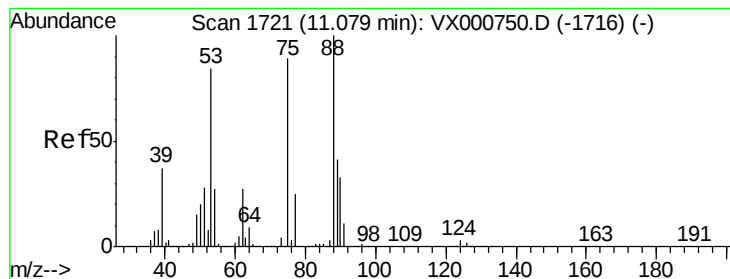
77 1.0 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 69.47 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

LF012MW144-180410

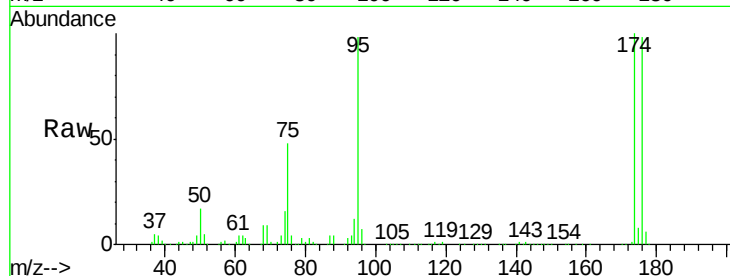
Tgt Ion: 75 Resp: 87277

Ion Ratio Lower Upper

75 100

53 0.1 75.4 113.0#

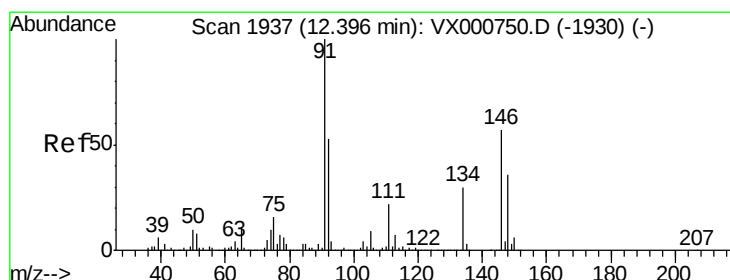
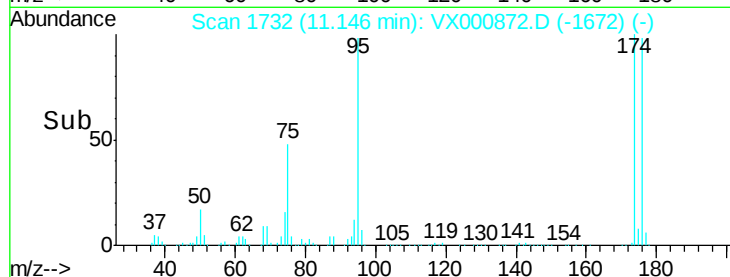
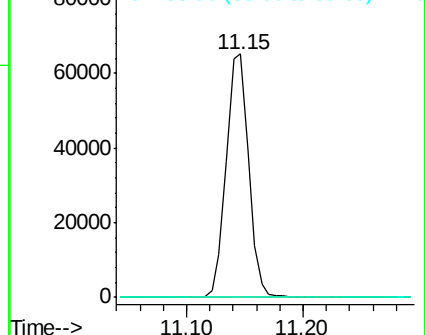
89 0.0 40.9 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#91

1,2-Dichlorobenzene

Concen: 1.80 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000872.D

Acq: 14 Apr 2018 14:08

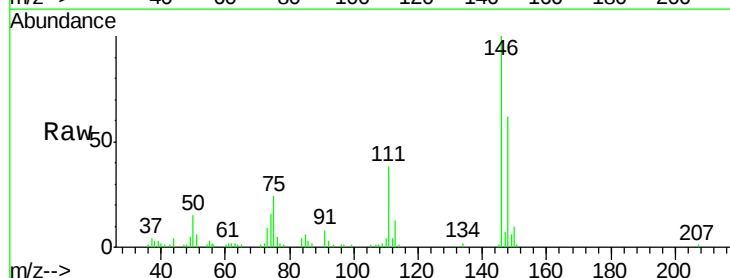
Tgt Ion: 146 Resp: 11985

Ion Ratio Lower Upper

146 100

111 38.2 18.9 56.7

148 66.2 32.0 96.2



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

