

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041418\
 Data File : VX000875.D
 Acq On : 14 Apr 2018 15:25
 Operator : JC/MD
 Sample : J2353-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW031-180411

Quant Time: Apr 16 05:51:04 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	244926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	327467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	195724	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	143703	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
35) Dibromofluoromethane	5.51	113	117122	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
50) Toluene-d8	8.73	98	457014	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	11.15	95	174817	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	

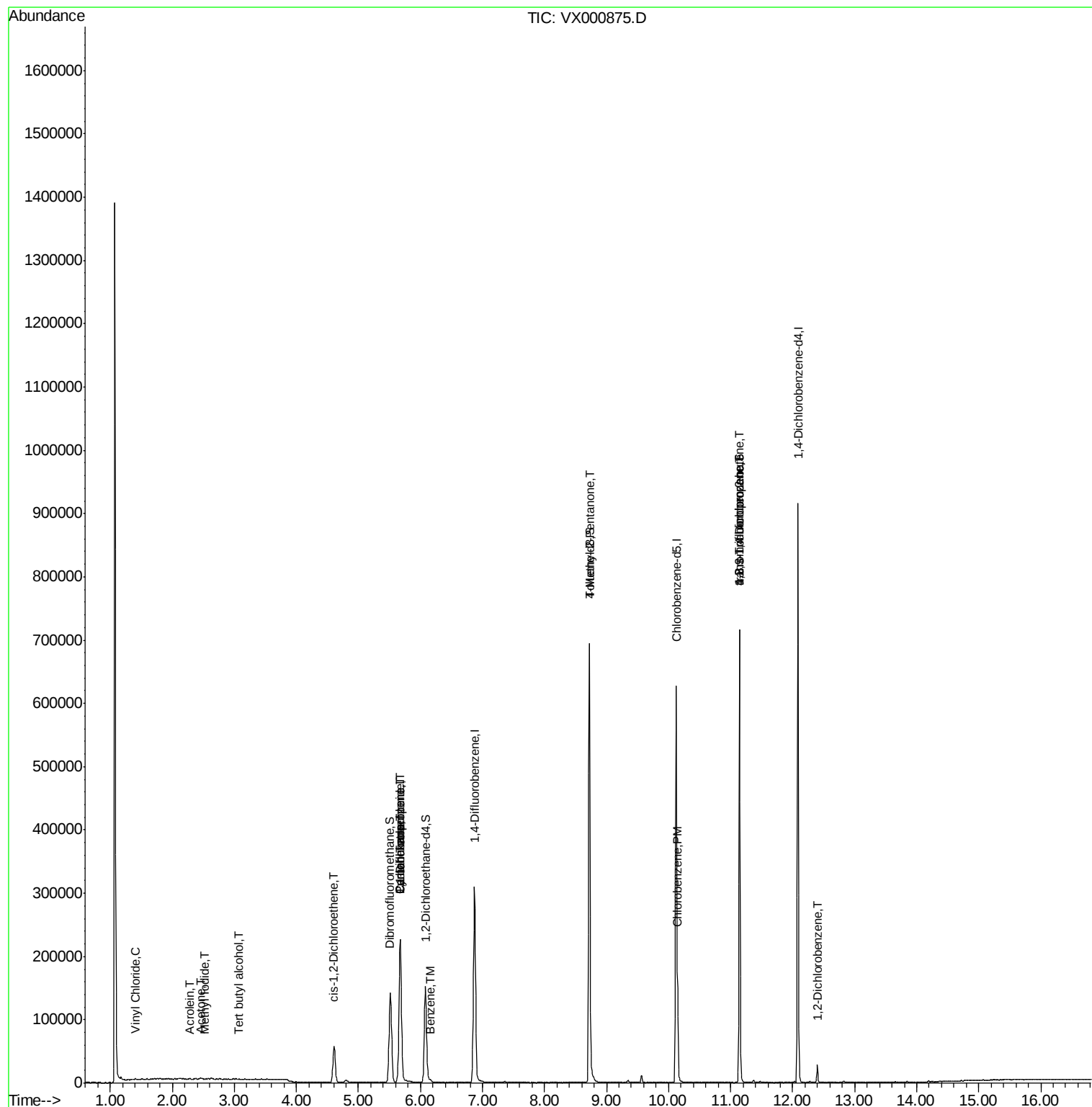
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	1547	0.58	ug/l	99
5) Bromomethane	1.63	94	21	Below Cal	#	2
10) Methyl Iodide	2.52	142	141	8.29	ug/l	# 90
11) Tert butyl alcohol	3.08	59	125	0.23	ug/l	# 1
13) Acrolein	2.28	56	150	0.56	ug/l	# 59
16) Acetone	2.45	43	1214	1.14	ug/l	# 81
27) cis-1,2-Dichloroethene	4.61	96	36995	13.15	ug/l	88
31) Cyclohexane	5.67	56	4434	1.09	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	14444	4.01	ug/l	# 49
38) Carbon Tetrachloride	5.68	117	20643	5.11	ug/l	# 15
40) Benzene	6.16	78	5529	0.55	ug/l	92
51) 4-Methyl-2-Pentanone	8.72	43	2164	0.61	ug/l	# 1
65) Chlorobenzene	10.15	112	57260	7.58	ug/l	100
76) 1,2,3-Trichloropropane	11.15	75	85794	25.42	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.15	75	85794	69.92	ug/l	# 11
91) 1,2-Dichlorobenzene	12.40	146	8778	1.35	ug/l	98

(#) = 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: VX000875.D

Acq: 14 Apr 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

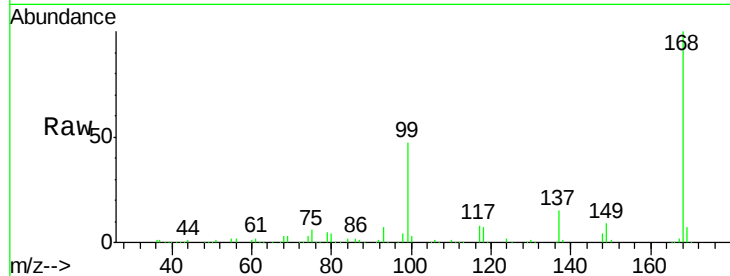
LF012MW031-180411

Tgt Ion: 168 Resp: 244926

Ion Ratio Lower Upper

168 100

99 47.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

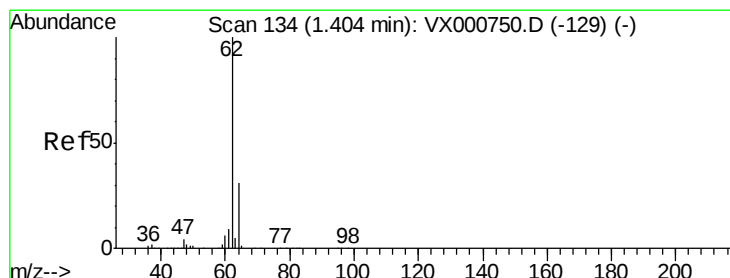
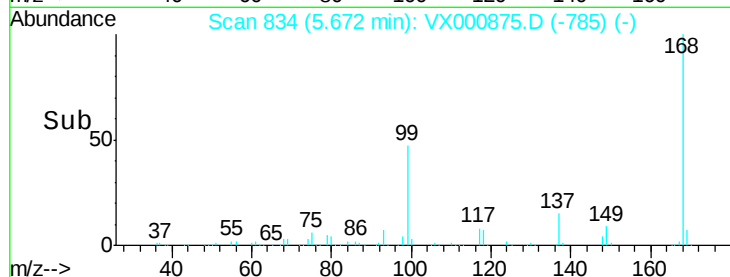
40000

20000

0

Time-->

5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.58 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000875.D

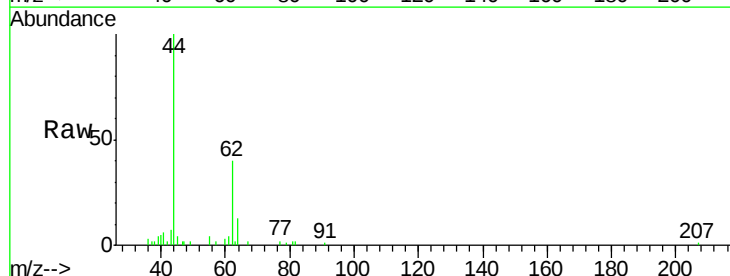
Acq: 14 Apr 2018 15:25

Tgt Ion: 62 Resp: 1547

Ion Ratio Lower Upper

62 100

64 31.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

1500

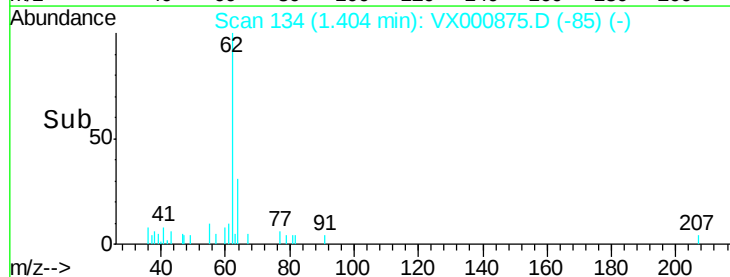
1000

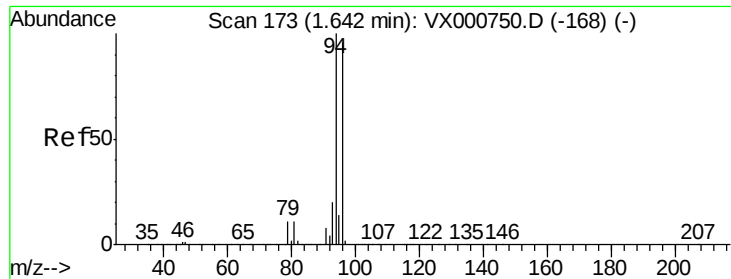
500

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

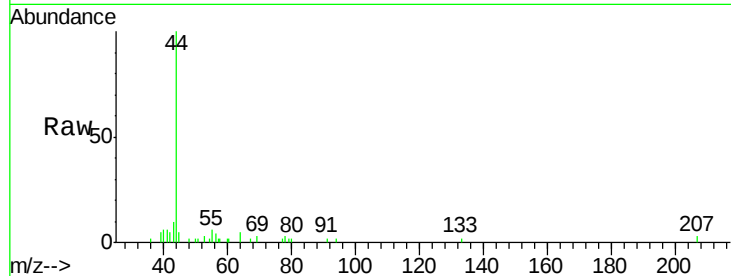
LF012MW031-180411

Tgt Ion: 94 Resp: 21

Ion Ratio Lower Upper

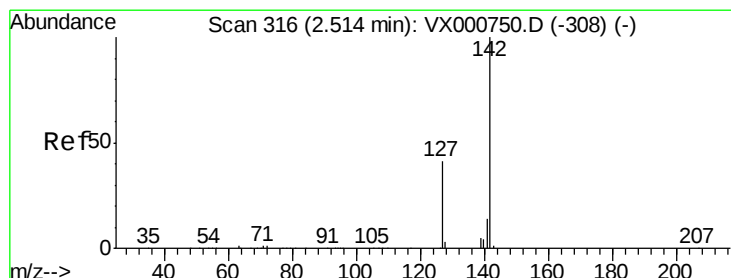
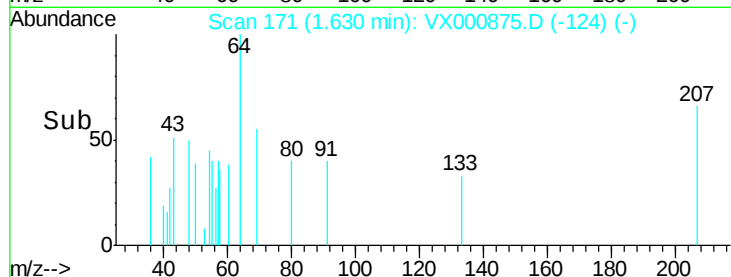
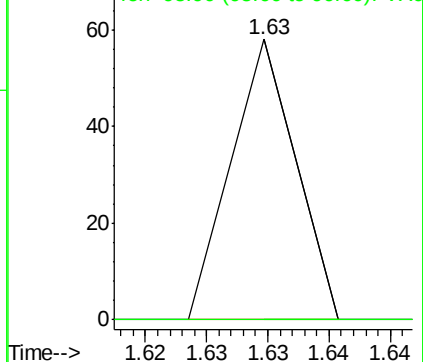
94 100

96 0.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 8.29 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

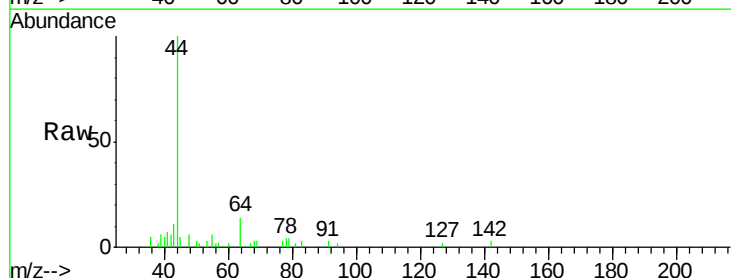
Tgt Ion: 142 Resp: 141

Ion Ratio Lower Upper

142 100

127 41.8 32.6 49.0

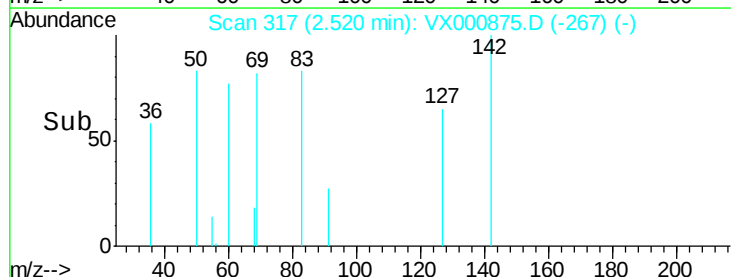
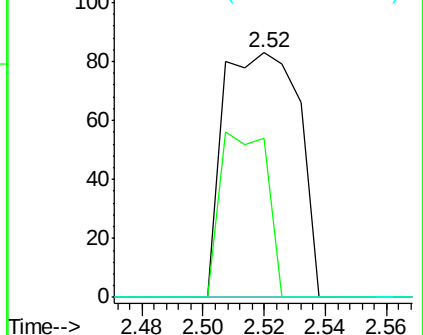
141 0.0 11.5 17.3#

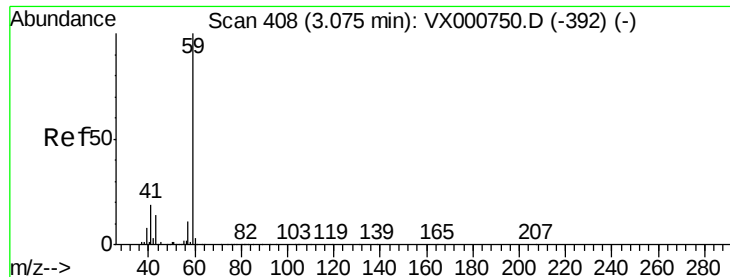


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.23 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

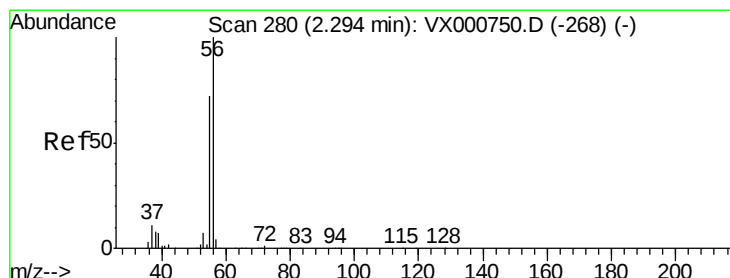
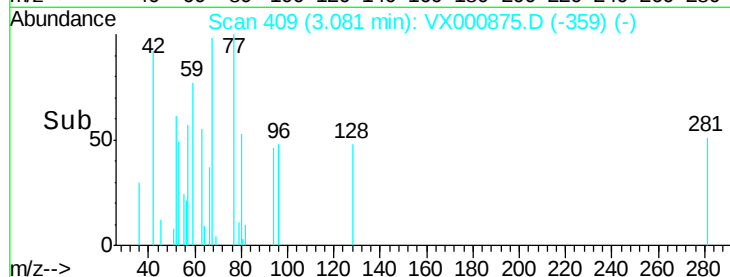
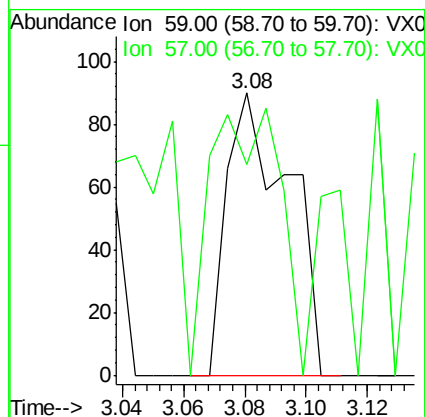
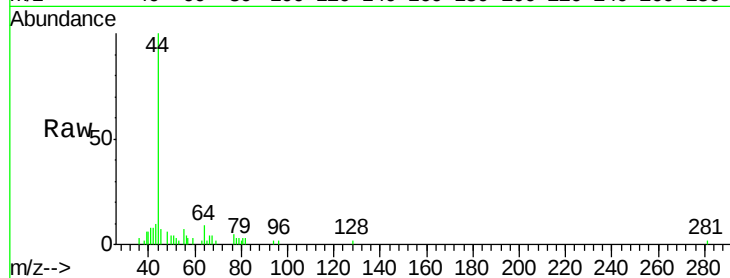
LF012MW031-180411

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

59 100

57 106.4 8.4 12.6#



#13

Acrolein

Concen: 0.56 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX000875.D

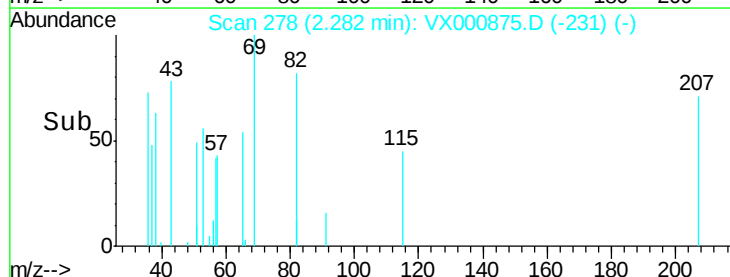
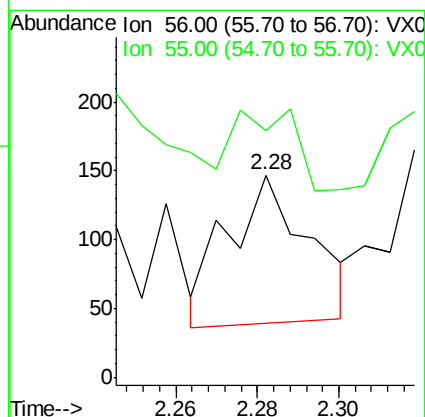
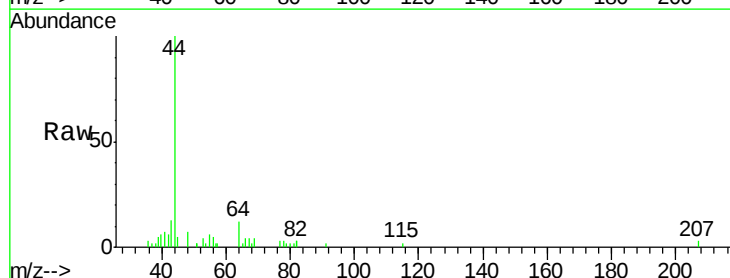
Acq: 14 Apr 2018 15:25

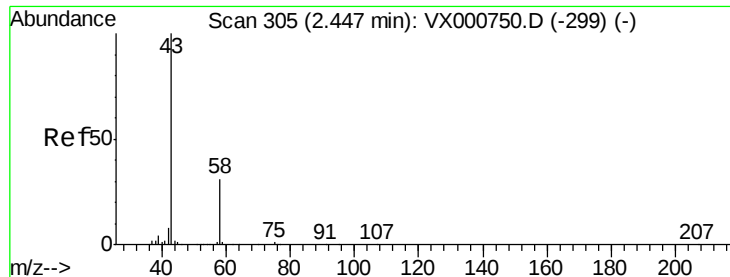
Tgt Ion: 56 Resp: 150

Ion Ratio Lower Upper

56 100

55 38.7 58.7 88.1#





#16

Acetone

Concen: 1.14 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

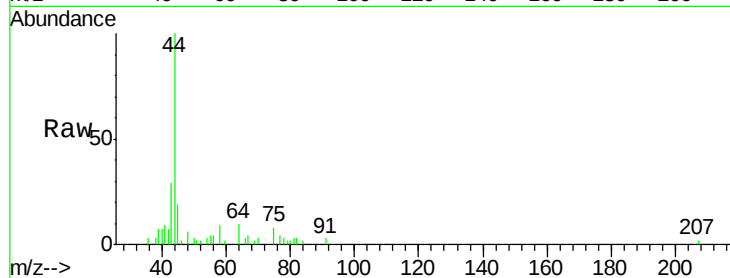
LF012MW031-180411

Tgt Ion: 43 Resp: 1214

Ion Ratio Lower Upper

43 100

58 41.2 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

800

600

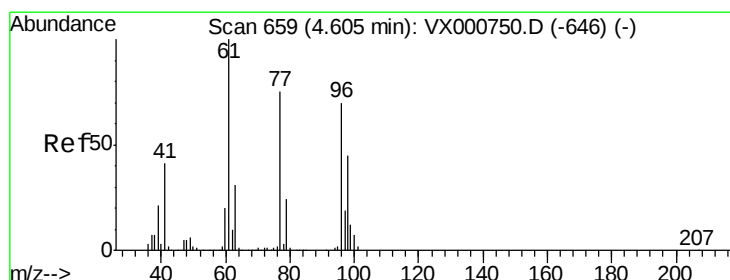
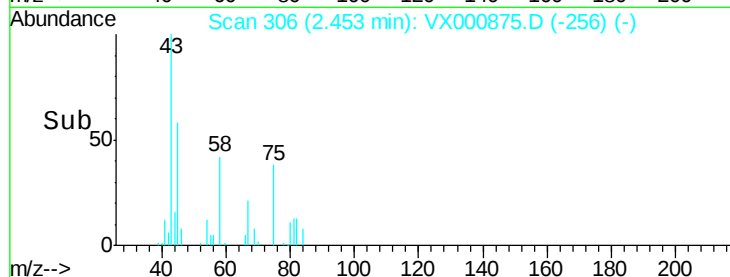
400

200

0

Time-->

2.40 2.45 2.50



#27

cis-1,2-Dichloroethene

Concen: 13.15 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

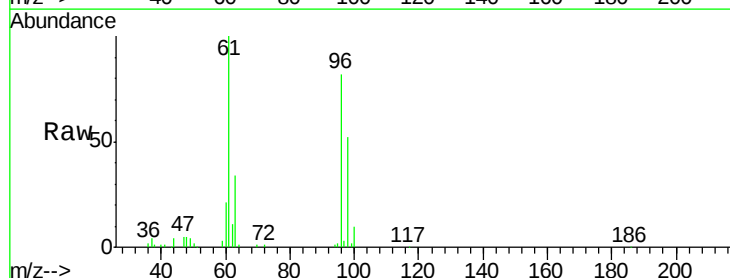
Tgt Ion: 96 Resp: 36995

Ion Ratio Lower Upper

96 100

61 125.1 0.0 292.4

98 64.0 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

20000

15000

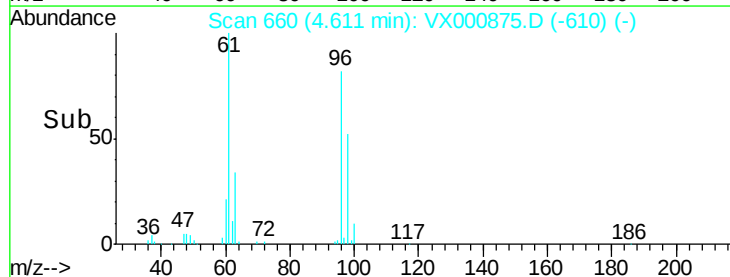
10000

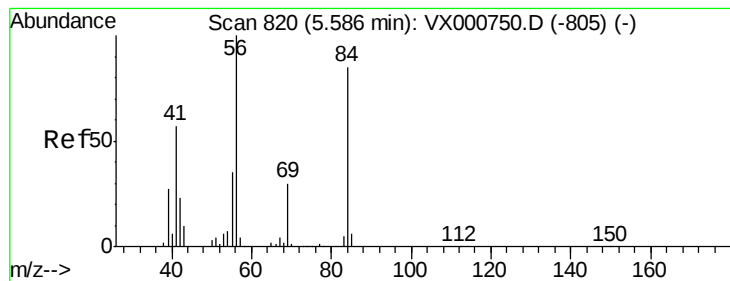
5000

0

Time-->

4.50 4.60 4.70





#31

Cyclohexane

Concen: 1.09 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

LF012MW031-180411

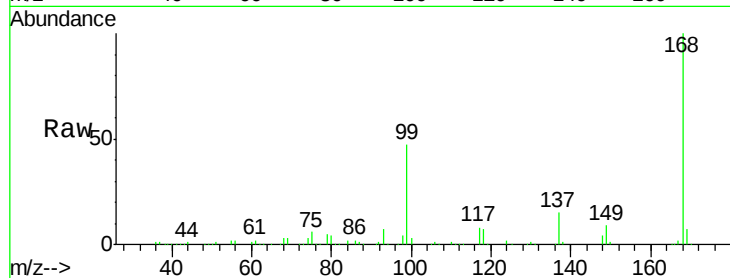
Tgt Ion: 56 Resp: 4434

Ion Ratio Lower Upper

56 100

69 165.7 24.2 36.4#

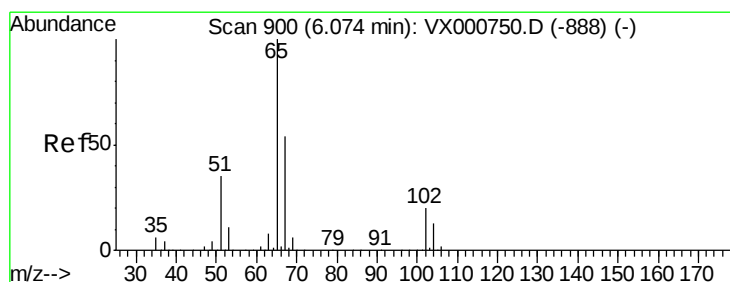
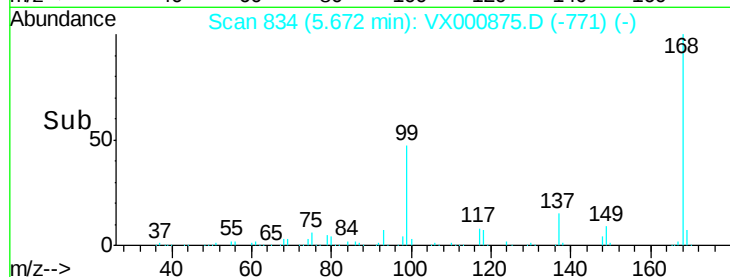
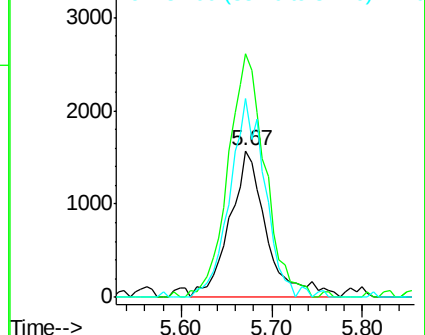
84 135.1 67.6 101.4#



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: 46.53 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000875.D

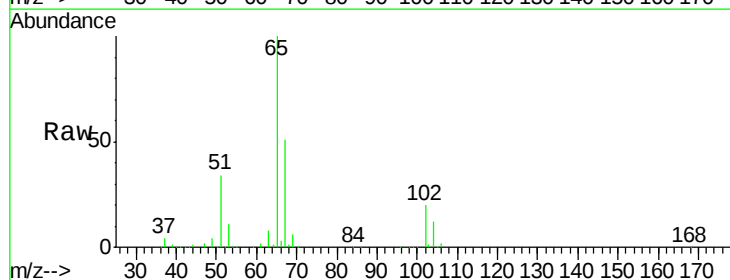
Acq: 14 Apr 2018 15:25

Tgt Ion: 65 Resp: 143703

Ion Ratio Lower Upper

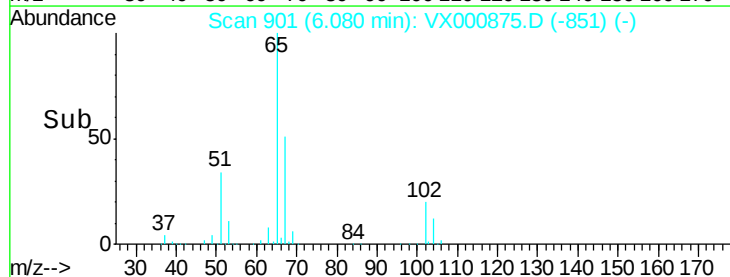
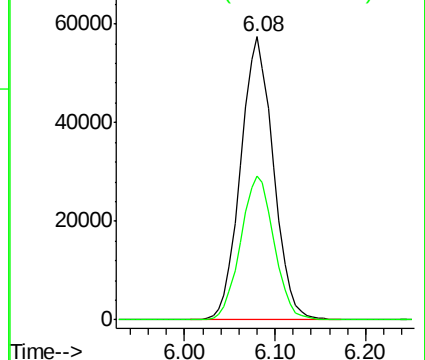
65 100

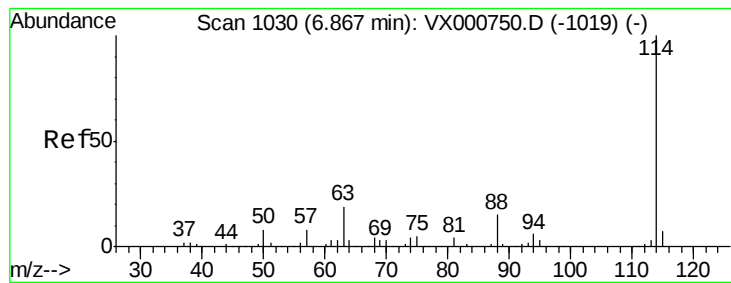
67 51.8 0.0 103.8



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: VX000875.D

Acq: 14 Apr 2018 15:25

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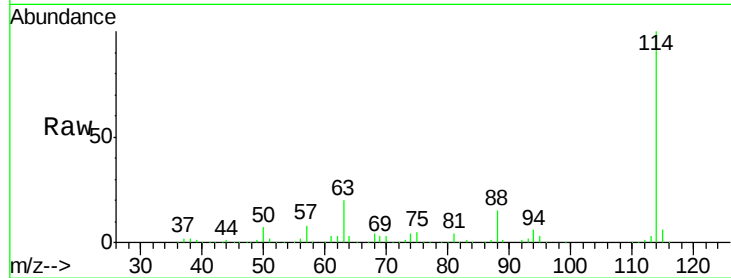
Tgt Ion:114 Resp: 327467

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

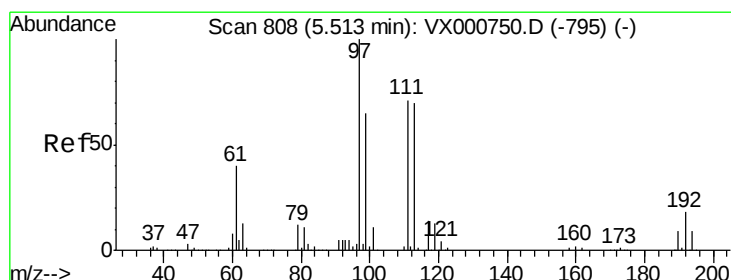
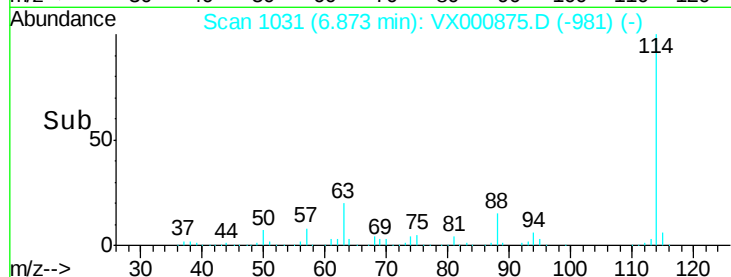
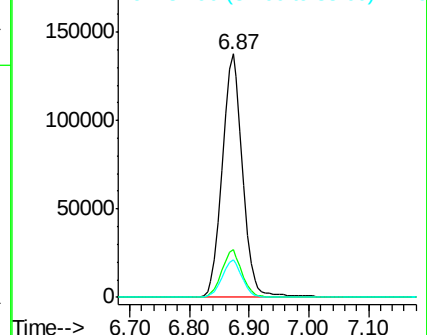
88 15.5 0.0 31.0



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: 46.42 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

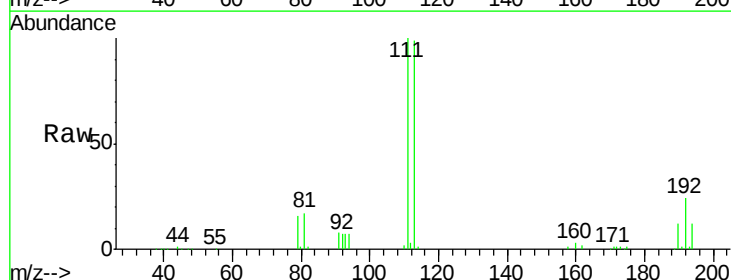
Tgt Ion:113 Resp: 117122

Ion Ratio Lower Upper

113 100

111 101.2 81.5 122.3

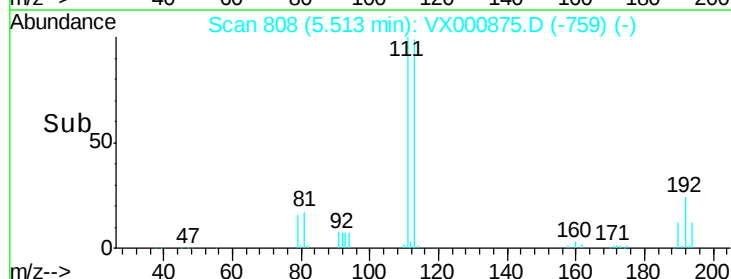
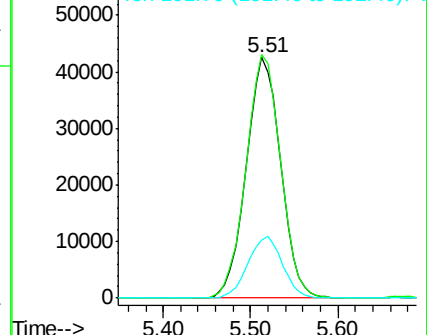
192 25.8 20.4 30.6

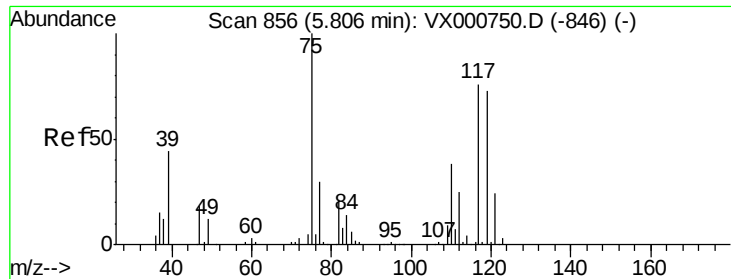


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

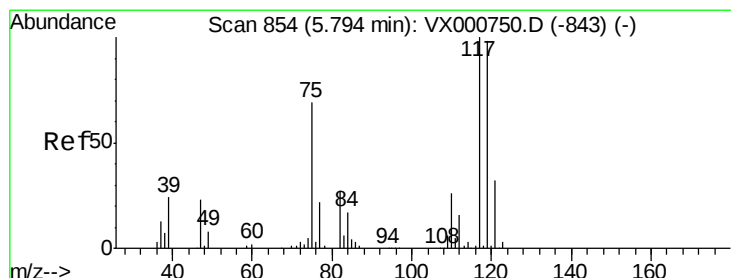
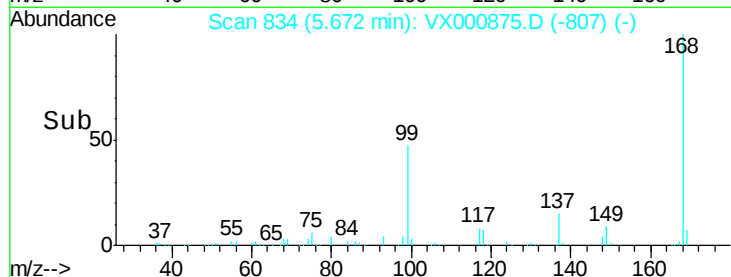
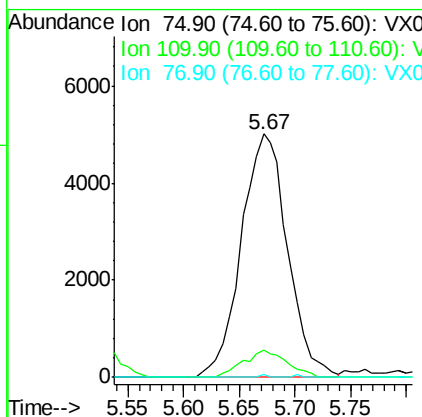
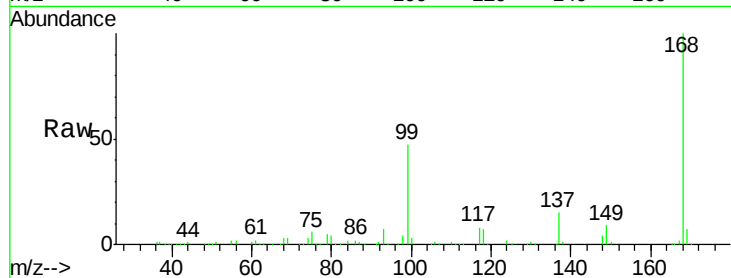




#36
 1,1-Dichloropropene
 Concen: 4.01 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000875.D
 Acq: 14 Apr 2018 15:25

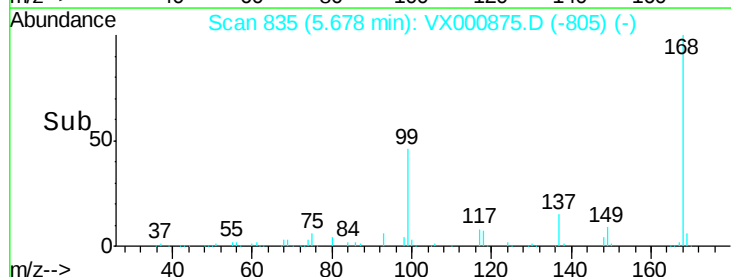
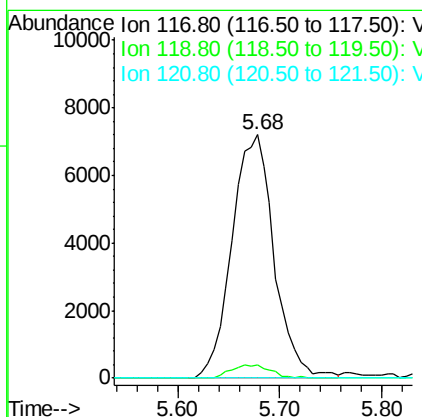
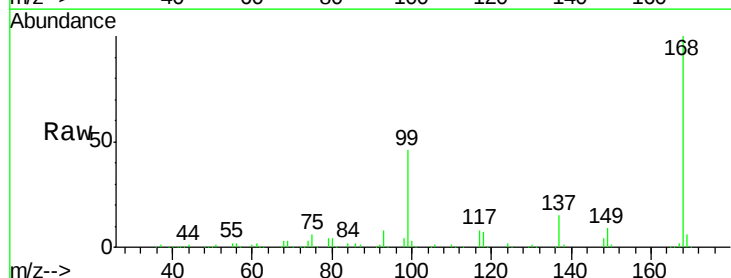
Instrument :
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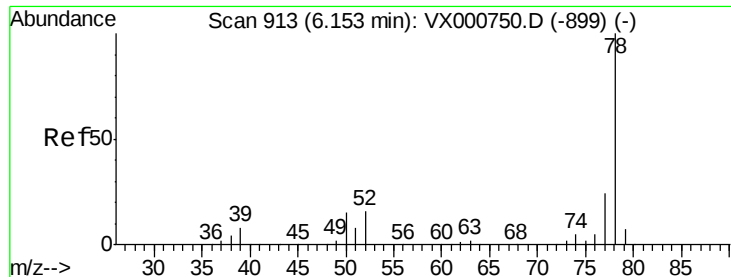
Tgt Ion: 75 Resp: 14444
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.2 57.6#
 77 0.1 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.11 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000875.D
 Acq: 14 Apr 2018 15:25

Tgt Ion: 117 Resp: 20643
 Ion Ratio Lower Upper
 117 100
 119 5.3 78.4 117.6#
 121 0.0 25.4 38.0#

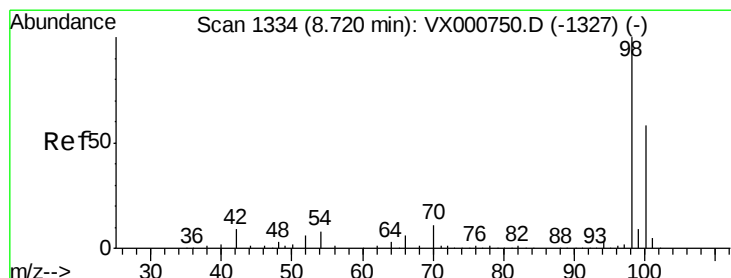
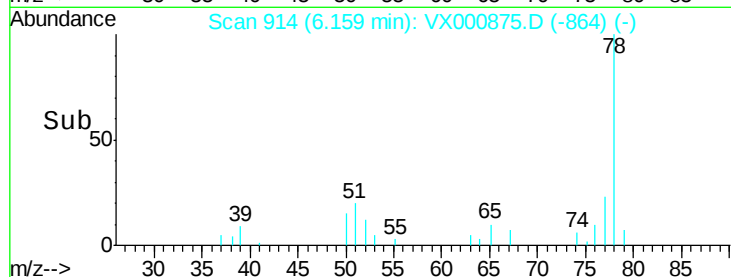
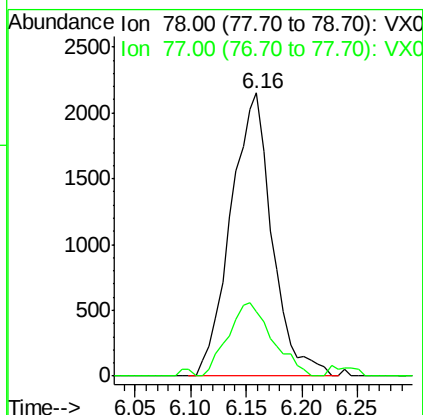
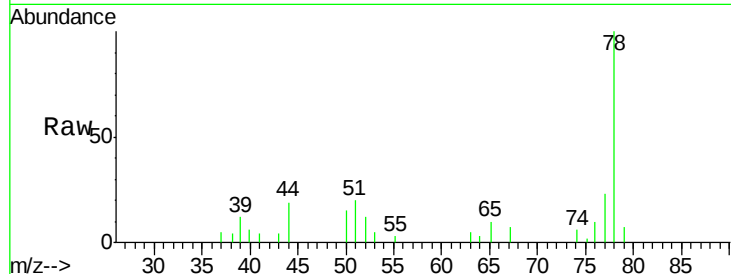




#40
Benzene
Concen: 0.55 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.01 min
Lab File: VX000875.D
Acq: 14 Apr 2018 15:25

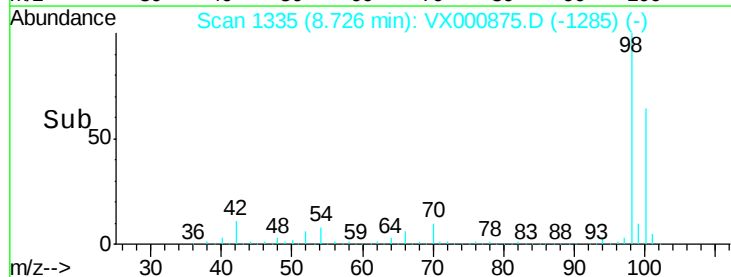
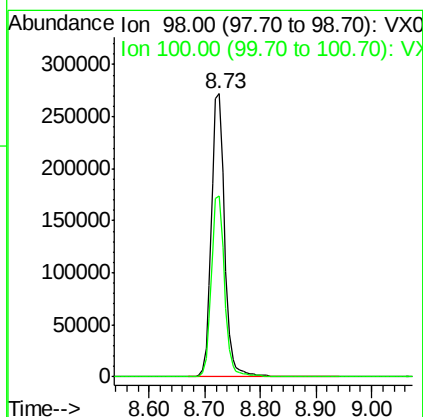
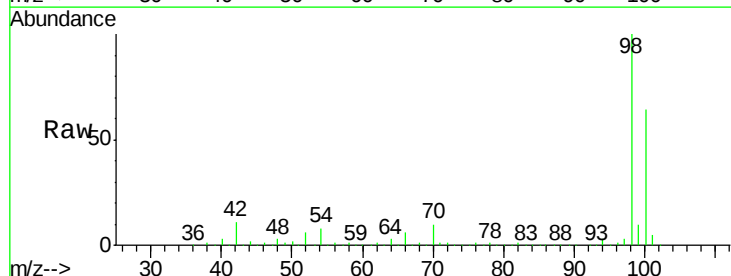
Instrument :
MSVOA_X
ClientSampleId :
LF012MW031-180411

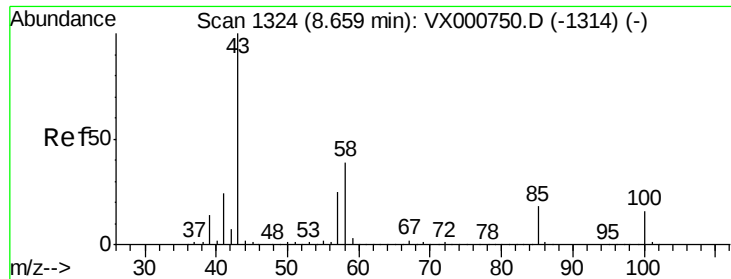
Tgt Ion: 78 Resp: 5529
Ion Ratio Lower Upper
78 100
77 20.0 19.0 28.6



#50
Toluene-d8
Concen: 48.65 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000875.D
Acq: 14 Apr 2018 15:25

Tgt Ion: 98 Resp: 457014
Ion Ratio Lower Upper
98 100
100 64.2 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 0.61 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

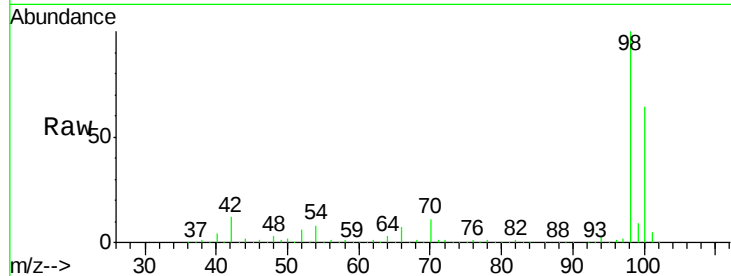
LF012MW031-180411

Tgt Ion: 43 Resp: 2164

Ion Ratio Lower Upper

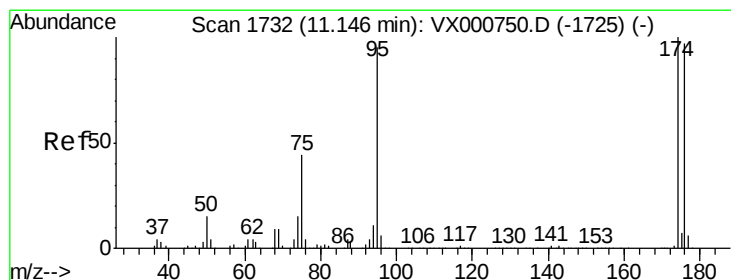
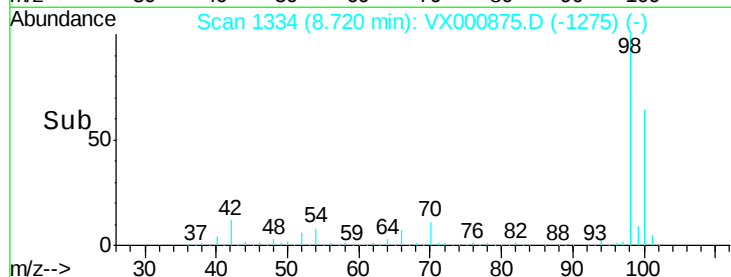
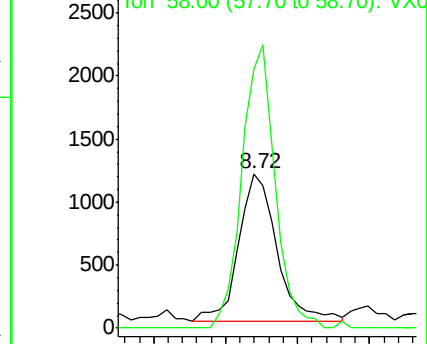
43 100

58 165.9 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.98 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

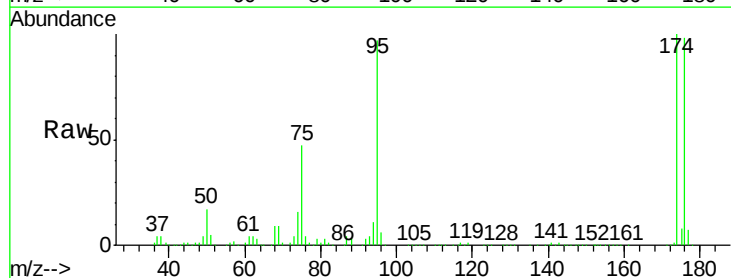
Tgt Ion: 95 Resp: 174817

Ion Ratio Lower Upper

95 100

174 97.5 0.0 198.4

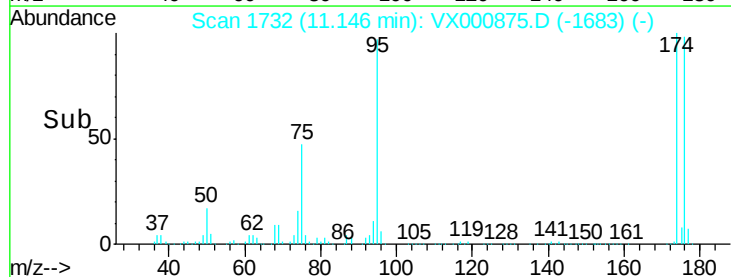
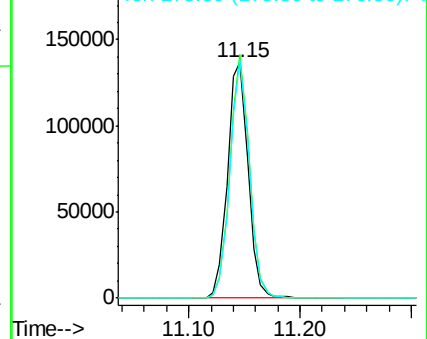
176 95.5 0.0 194.4

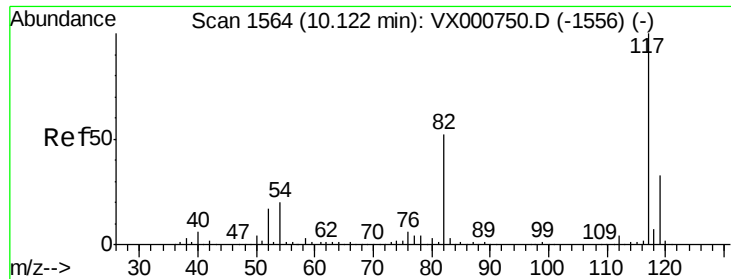


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

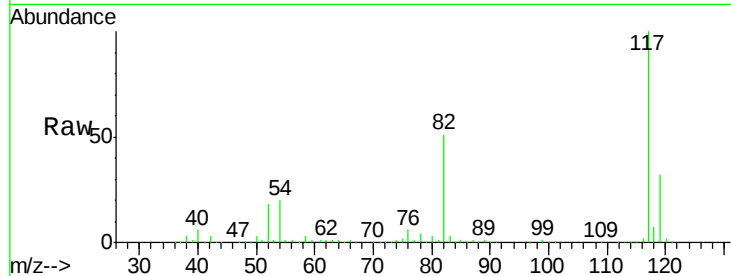




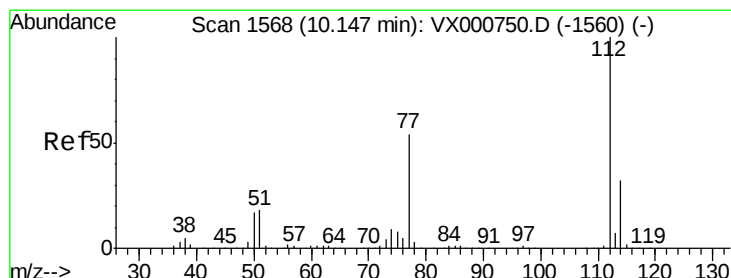
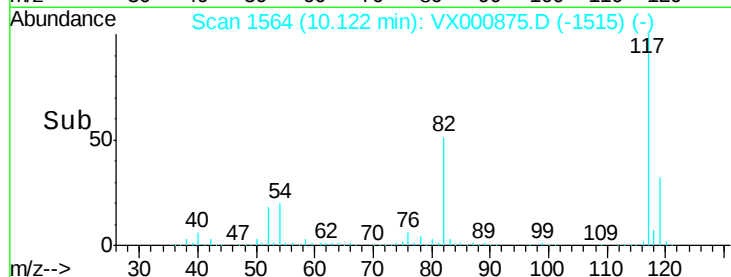
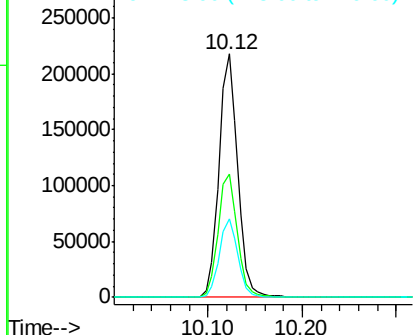
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000875.D
Acq: 14 Apr 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
LF012MW031-180411

Tgt Ion:117 Resp: 300354
Ion Ratio Lower Upper
117 100
82 50.8 41.9 62.9
119 32.1 26.0 39.0

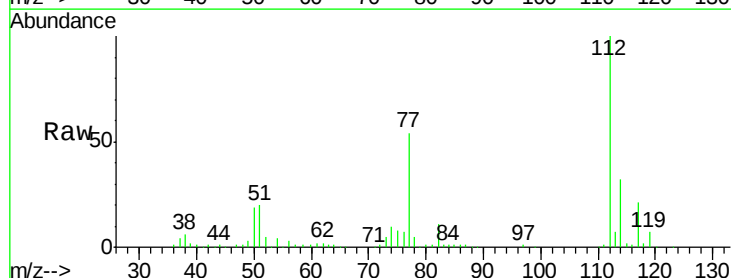


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

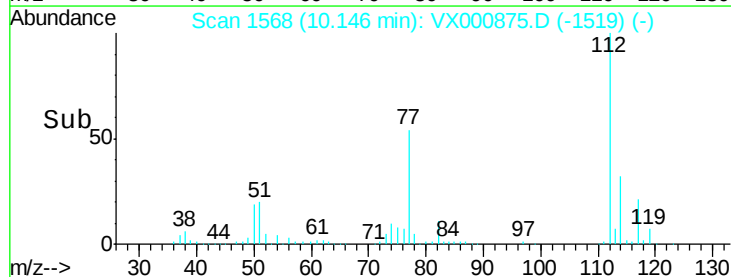
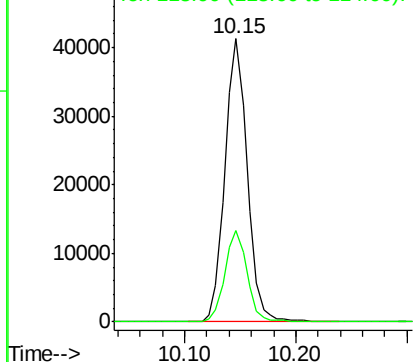


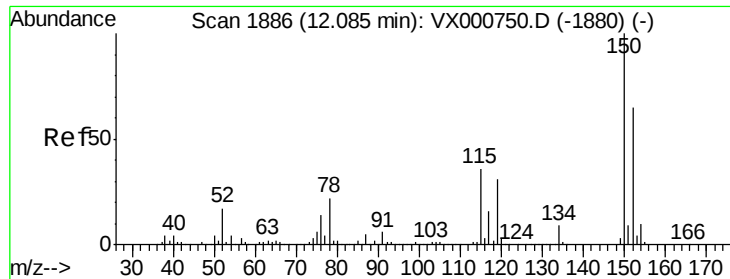
#65
Chlorobenzene
Concen: 7.58 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000875.D
Acq: 14 Apr 2018 15:25

Tgt Ion:112 Resp: 57260
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

LF012MW031-180411

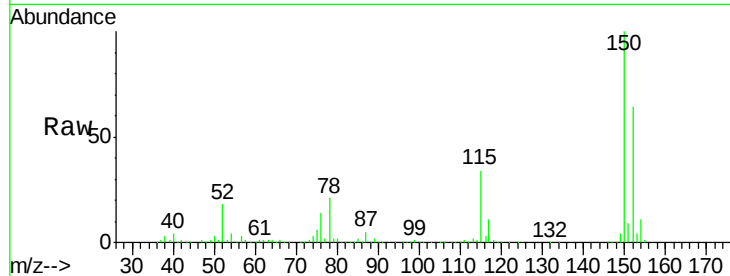
Tgt Ion:152 Resp: 195724

Ion Ratio Lower Upper

152 100

115 53.7 37.9 113.7

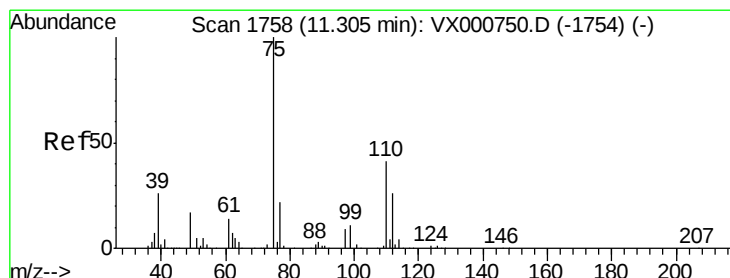
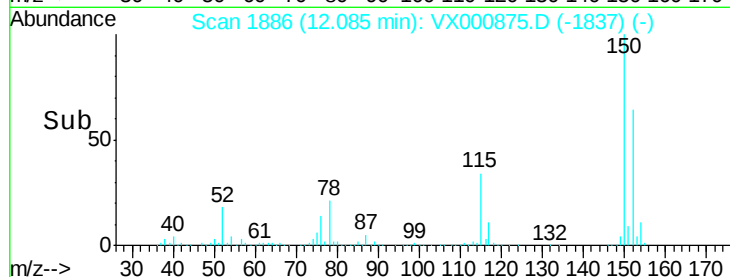
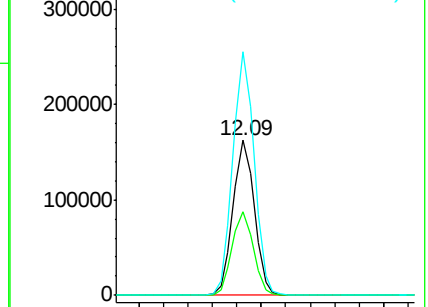
150 156.4 0.0 348.0



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: 25.42 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000875.D

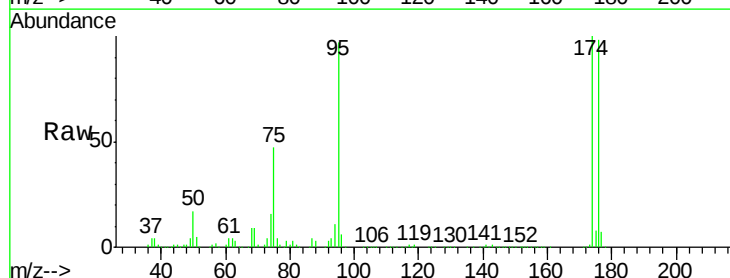
Acq: 14 Apr 2018 15:25

Tgt Ion: 75 Resp: 85794

Ion Ratio Lower Upper

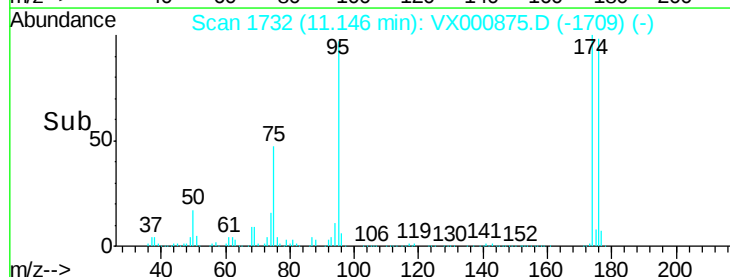
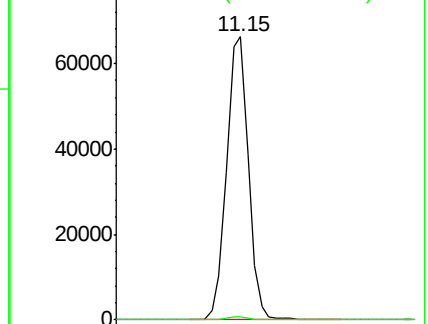
75 100

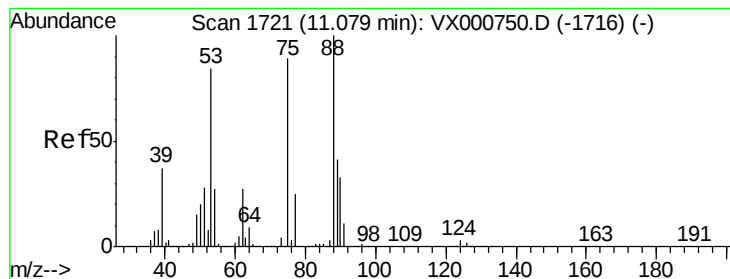
77 1.1 20.5 61.5#



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: 69.92 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

LF012MW031-180411

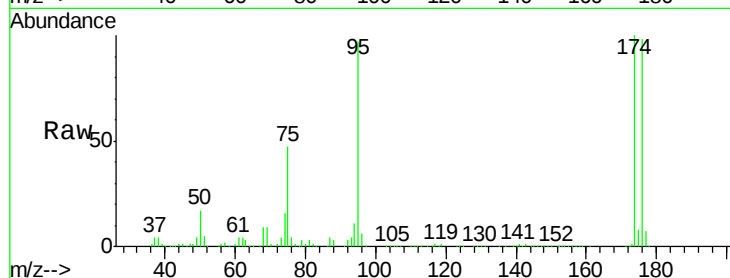
Tgt Ion: 75 Resp: 85794

Ion Ratio Lower Upper

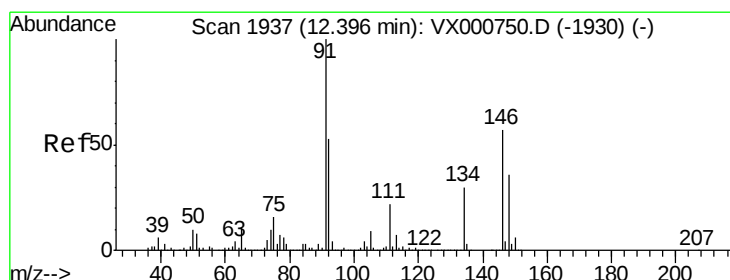
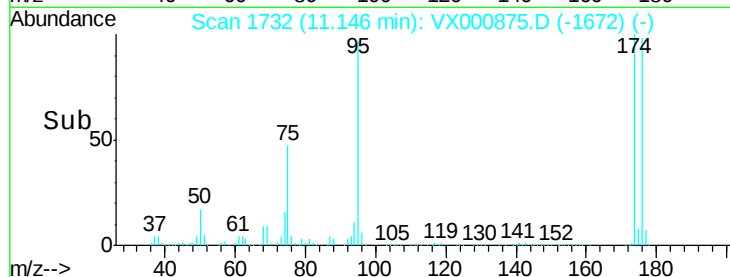
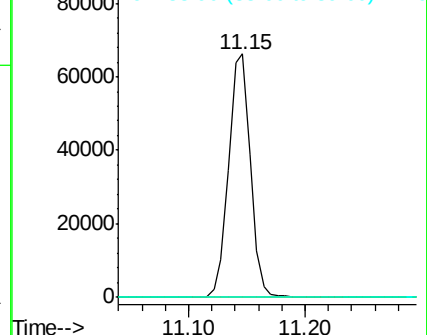
75 100

53 0.0 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: 1.35 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000875.D

Acq: 14 Apr 2018 15:25

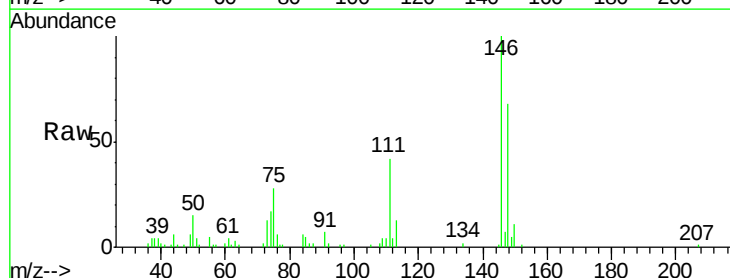
Tgt Ion: 146 Resp: 8778

Ion Ratio Lower Upper

146 100

111 40.7 18.9 56.7

148 64.7 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

