

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
 Data File : VX001177.D
 Acq On : 27 Apr 2018 18:11
 Operator : JC/MD
 Sample : J2464-10DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418DL

Quant Time: Apr 28 03:09:48 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	189551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	260790	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	232449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	134602	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	137868	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
35) Dibromofluoromethane	5.51	113	106218	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	8.72	98	406970	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.14	95	141678	44.52	ug/l	0.00
Spiked Amount			Recovery	=	89.04%	

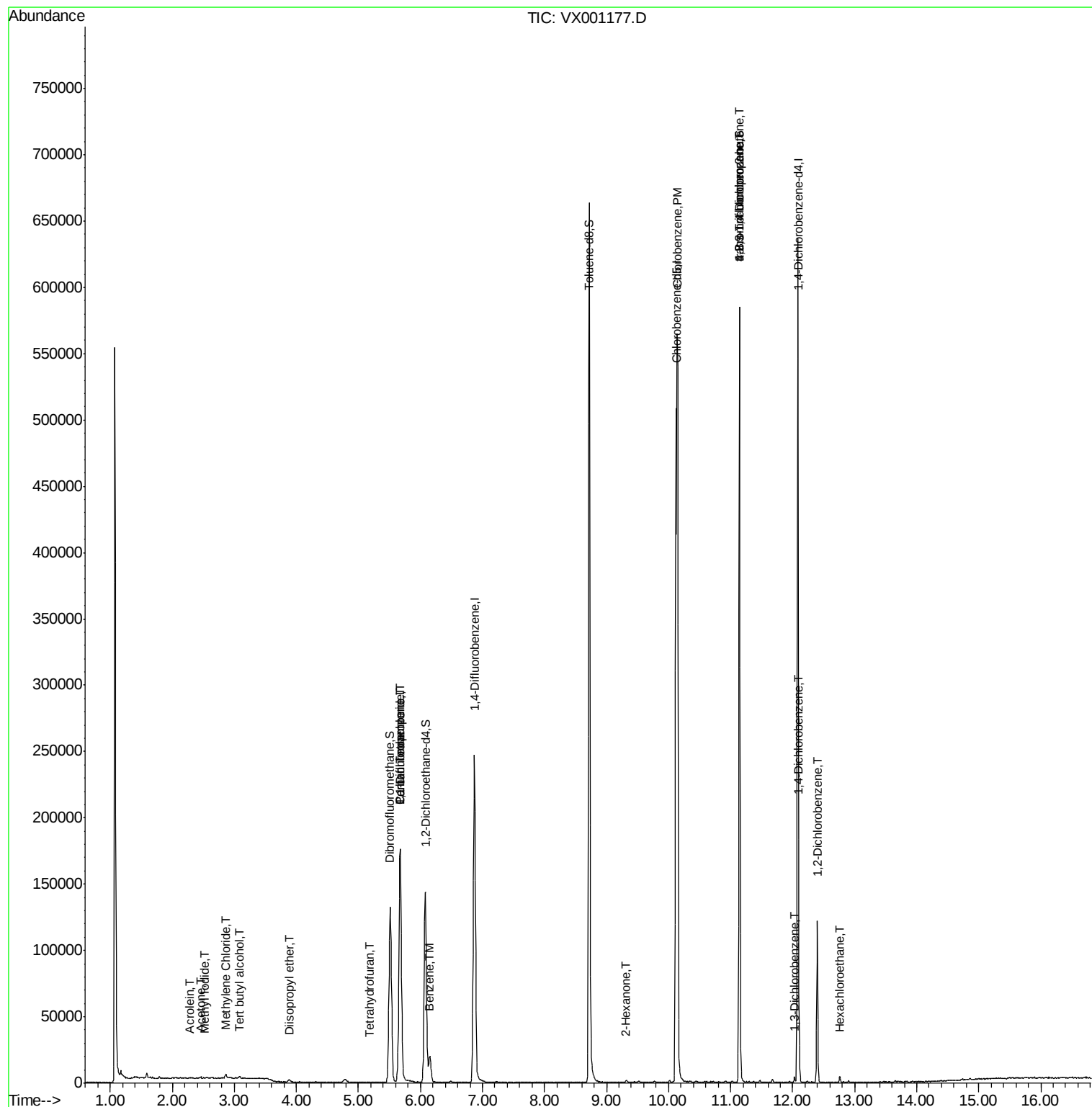
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	359	Below Cal	#	71
10) Methyl Iodide	2.51	142	108	7.284	ug/l #	84
11) Tert butyl alcohol	3.08	59	1576	2.720	ug/l #	80
13) Acrolein	2.29	56	83	0.379	ug/l #	1
16) Acetone	2.45	43	980	0.811	ug/l #	72
20) Methylene Chloride	2.86	84	1189	0.528	ug/l #	88
22) Diisopropyl ether	3.88	45	1895	0.271	ug/l #	88
29) Tetrahydrofuran	5.18	42	247	0.212	ug/l #	50
36) 1,1-Dichloropropene	5.67	75	11818	4.112	ug/l #	50
38) Carbon Tetrachloride	5.68	117	16629	5.643	ug/l #	16
40) Benzene	6.15	78	22613	2.720	ug/l	93
59) 2-Hexanone	9.32	43	1173	0.422	ug/l	74
65) Chlorobenzene	10.15	112	247108	40.576	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	73693	26.887	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	73693	81.825	ug/l #	6
87) 1,3-Dichlorobenzene	12.03	146	1463	0.313	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	10094	2.074	ug/l	88
90) Hexachloroethane	12.76	117	1714	4.606	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	39912	8.455	ug/l	99

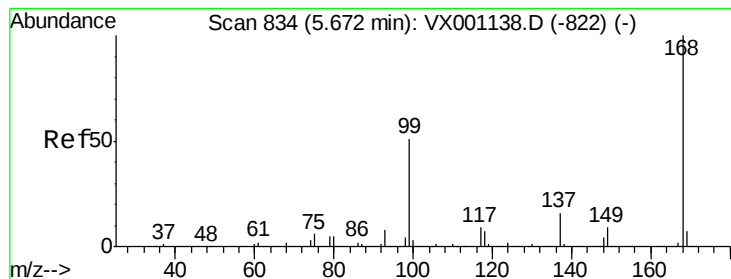
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 27 01:51:42 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001177.D

Acq: 27 Apr 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

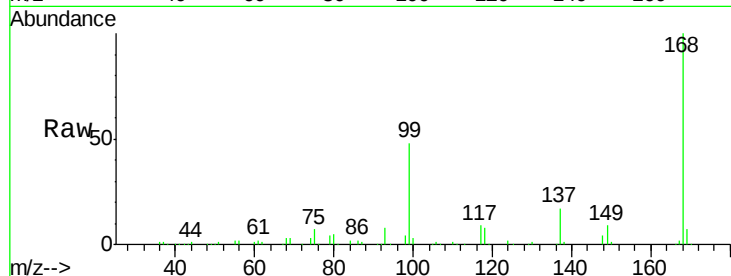
LF015MW047-180418DL

Tgt Ion: 168 Resp: 189551

Ion Ratio Lower Upper

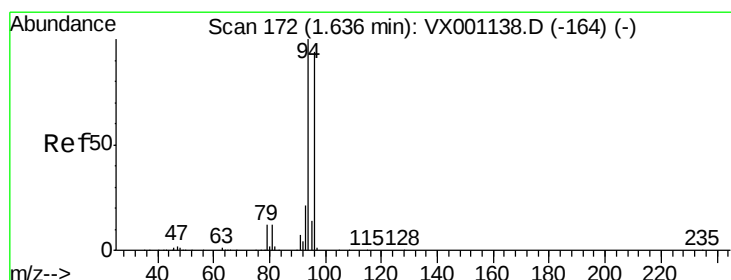
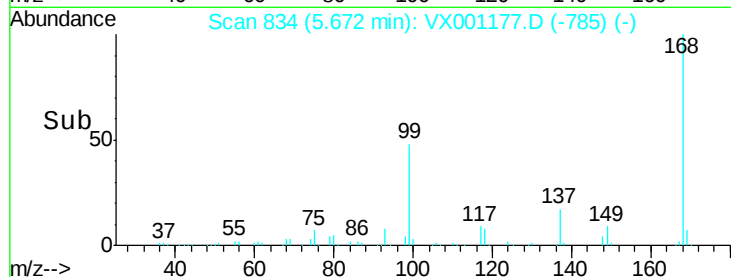
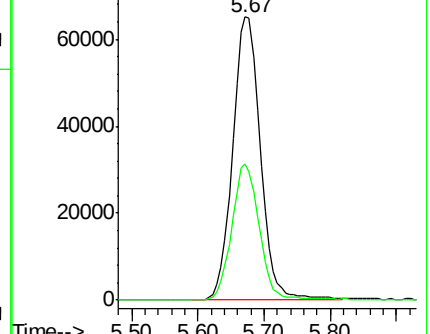
168 100

99 48.1 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001177.D

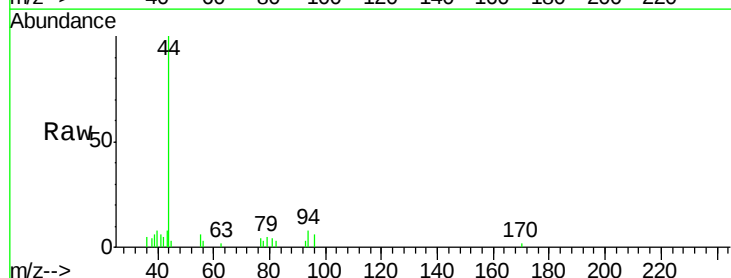
Acq: 27 Apr 2018 18:11

Tgt Ion: 94 Resp: 359

Ion Ratio Lower Upper

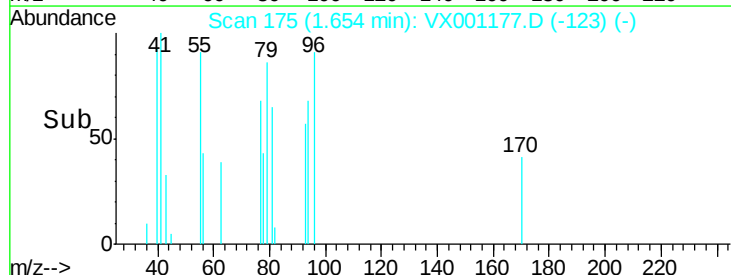
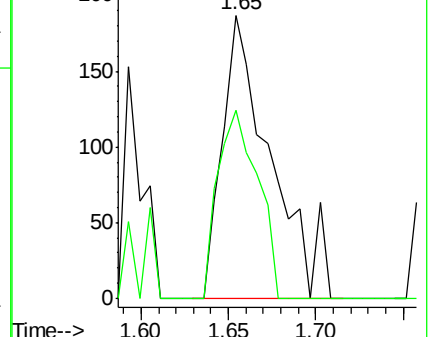
94 100

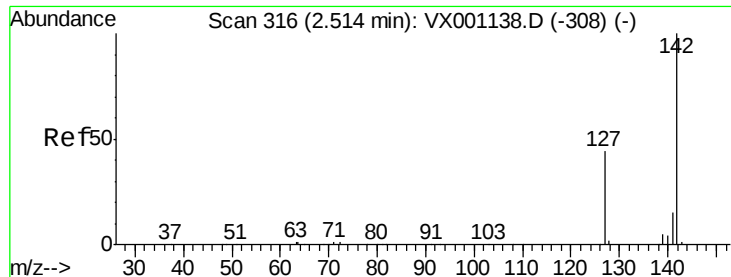
96 66.3 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

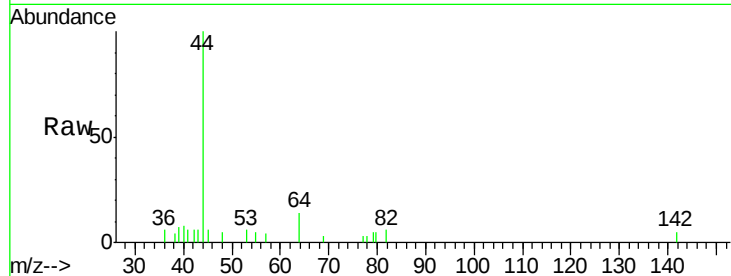




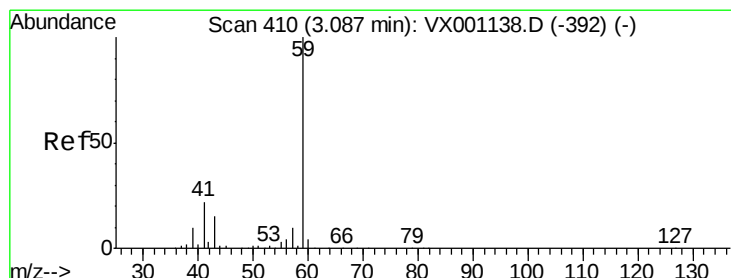
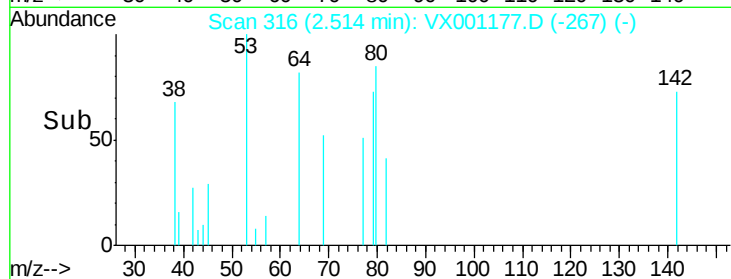
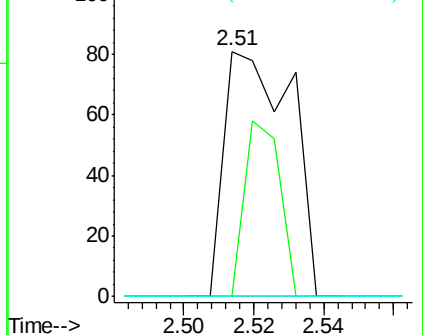
#10
Methyl Iodide
Concen: 7.284 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001177.D
Acq: 27 Apr 2018 18:11

Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418DL

Tgt Ion:142 Resp: 108
Ion Ratio Lower Upper
142 100
127 37.0 34.7 52.1
141 0.0 11.6 17.4#

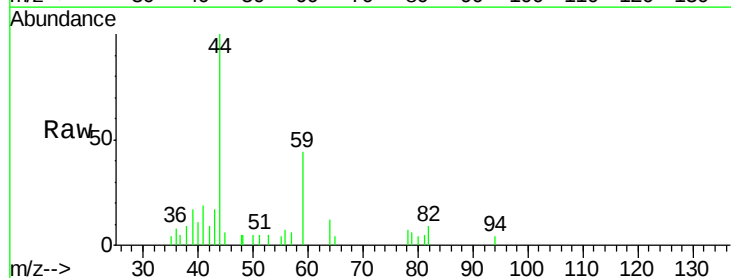


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

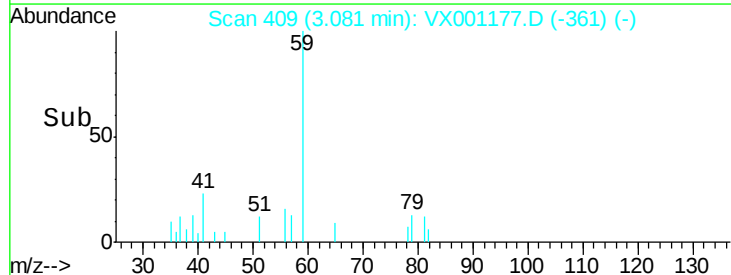
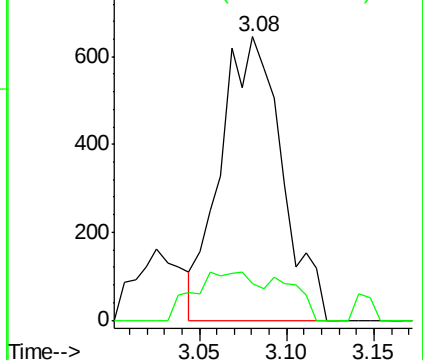


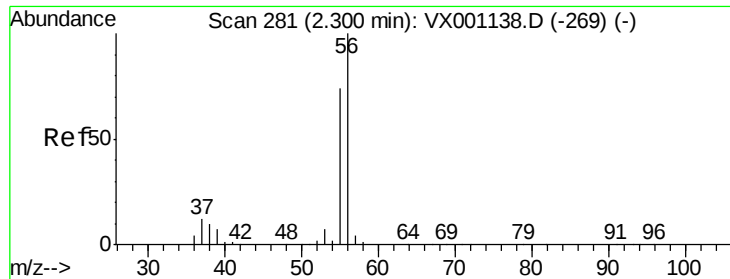
#11
Tert butyl alcohol
Concen: 2.720 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001177.D
Acq: 27 Apr 2018 18:11

Tgt Ion: 59 Resp: 1576
Ion Ratio Lower Upper
59 100
57 17.6 8.2 12.4#



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





#13

Acrolein

Concen: 0.379 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001177.D

Acq: 27 Apr 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

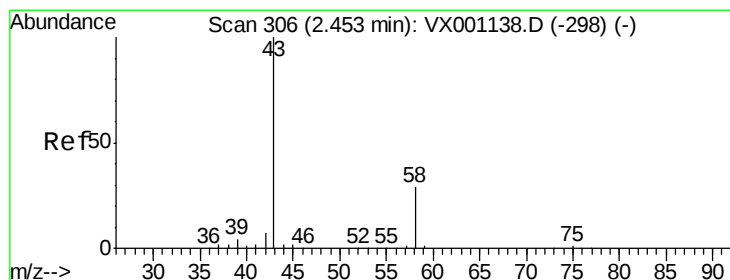
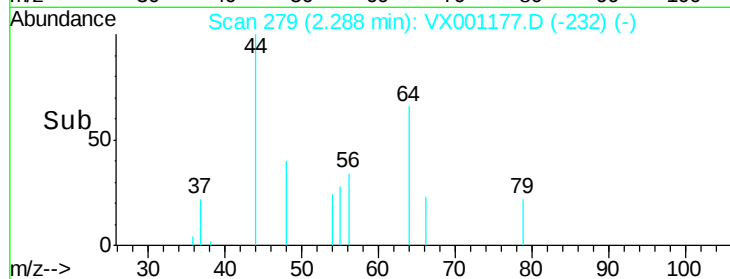
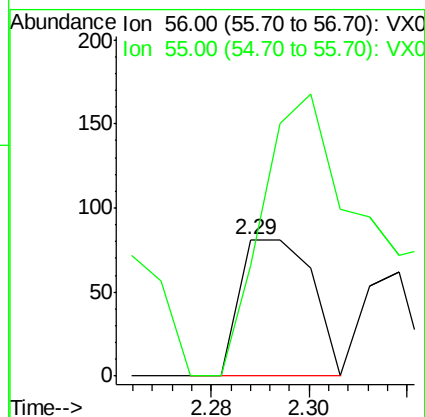
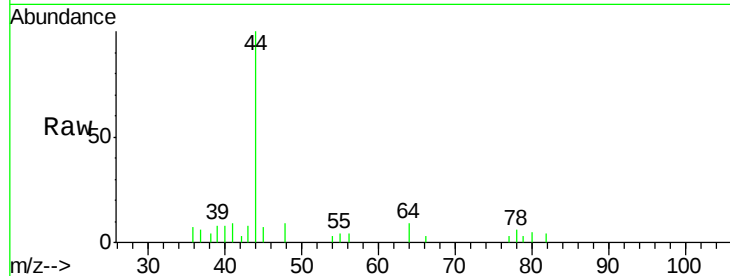
LF015MW047-180418DL

Tgt Ion: 56 Resp: 83

Ion Ratio Lower Upper

56 100

55 286.7 57.2 85.8#



#16

Acetone

Concen: 0.811 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001177.D

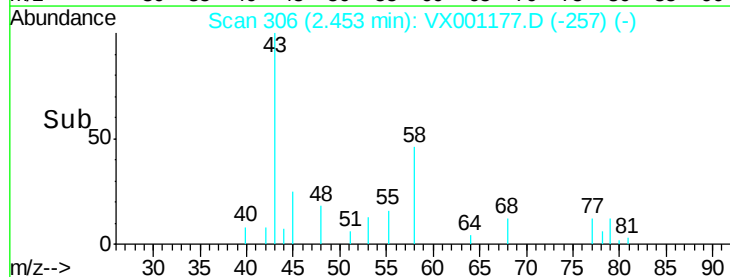
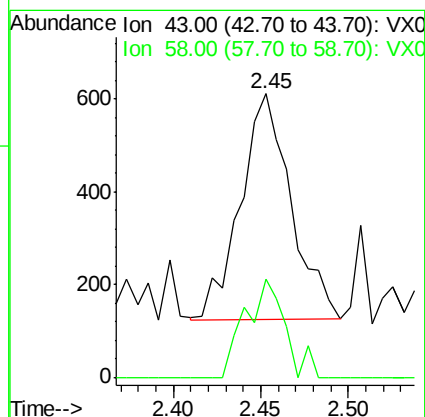
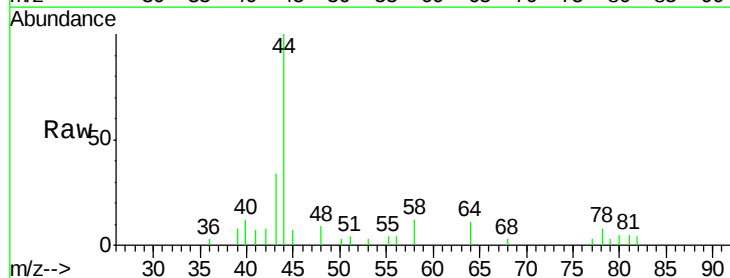
Acq: 27 Apr 2018 18:11

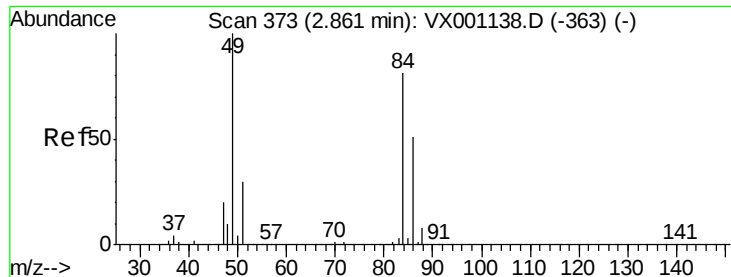
Tgt Ion: 43 Resp: 980

Ion Ratio Lower Upper

43 100

58 43.7 23.0 34.6#

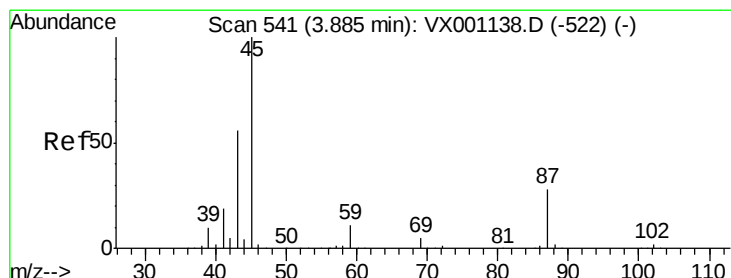
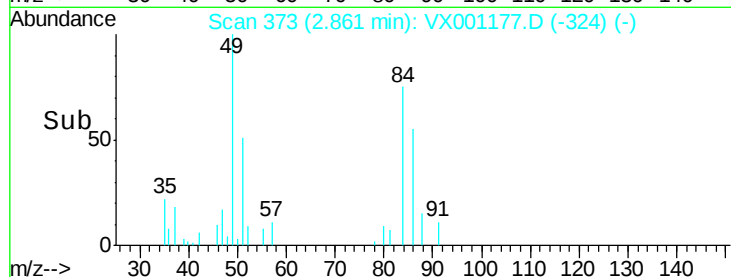
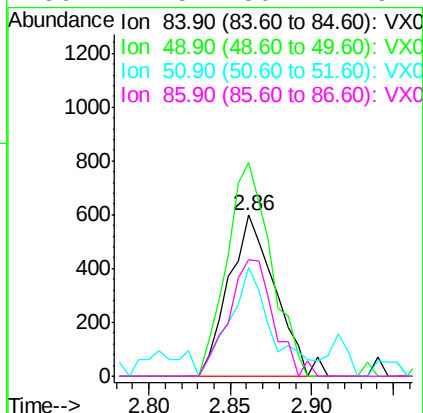
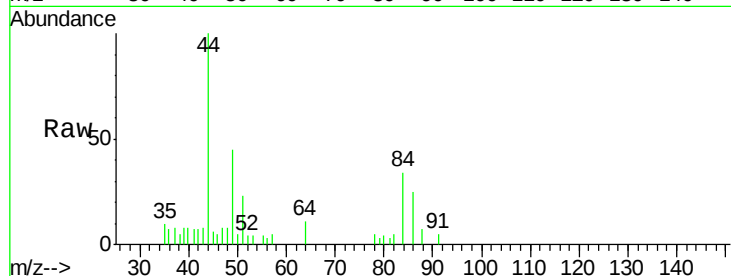




#20
Methylene Chloride
Concen: 0.528 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001177.D
Acq: 27 Apr 2018 18:11

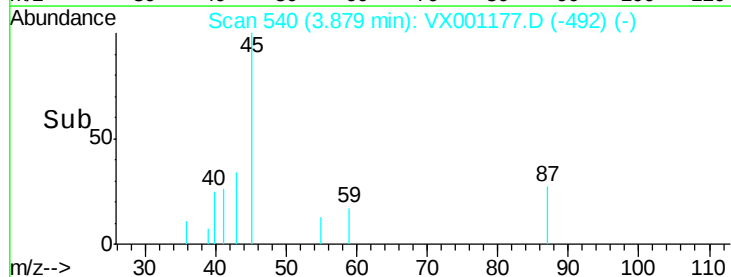
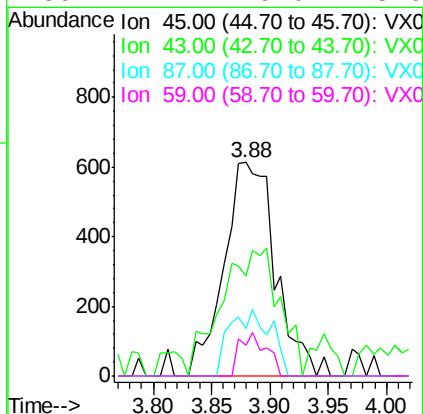
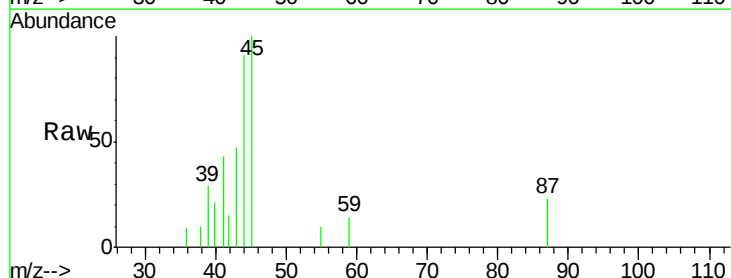
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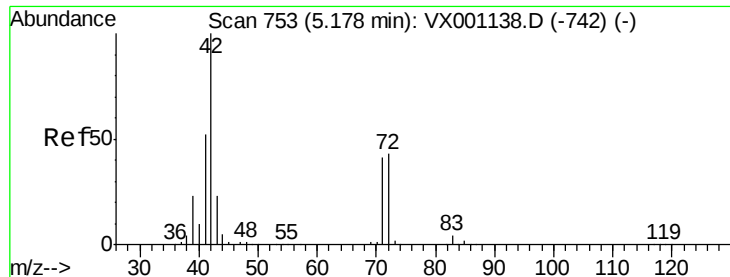
Tgt Ion: 84 Resp: 1189
Ion Ratio Lower Upper
84 100
49 132.6 99.2 148.8
51 51.8 29.5 44.3#
86 72.5 50.2 75.2



#22
Diisopropyl ether
Concen: 0.271 ug/l
RT: 3.88 min Scan# 540
Delta R.T. -0.01 min
Lab File: VX001177.D
Acq: 27 Apr 2018 18:11

Tgt Ion: 45 Resp: 1895
Ion Ratio Lower Upper
45 100
43 46.7 45.0 67.4
87 22.5 22.8 34.2#
59 14.2 9.0 13.6#

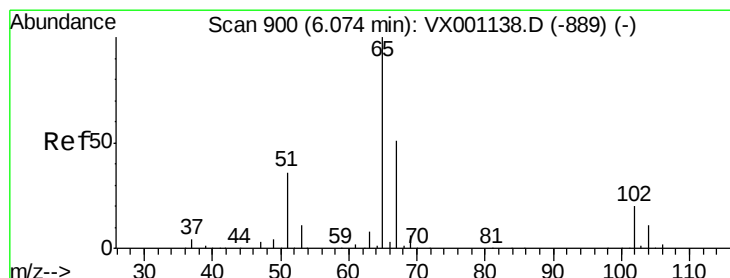
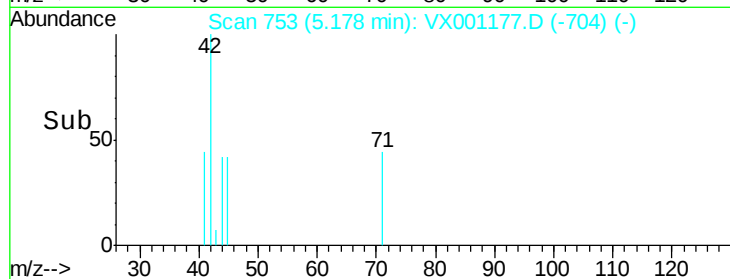
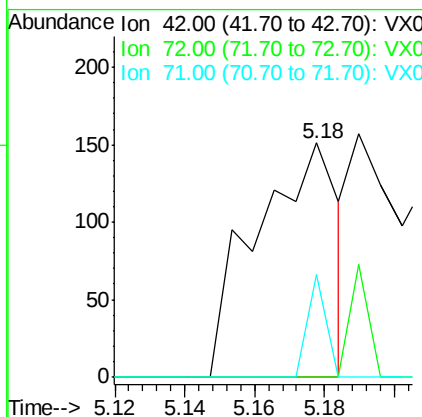
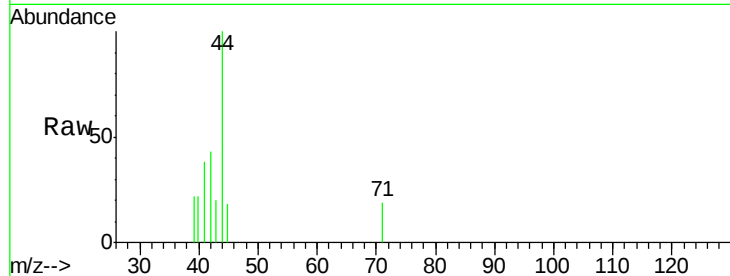




#29
Tetrahydrofuran
Concen: 0.212 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX001177.D
Acq: 27 Apr 2018 18:11

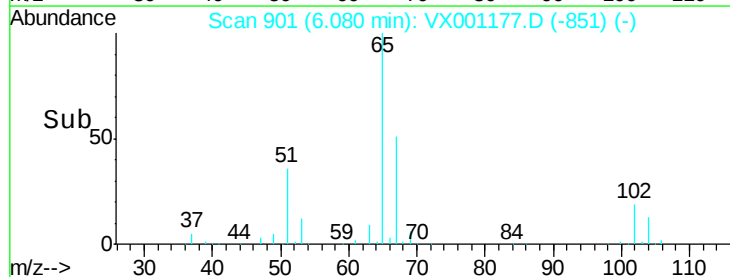
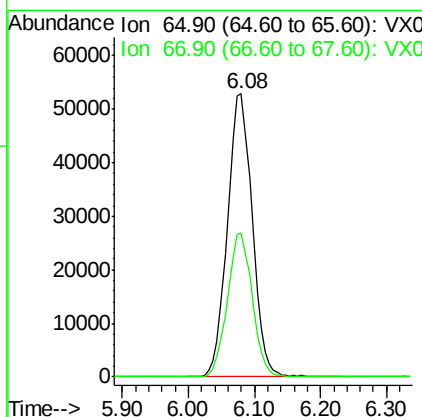
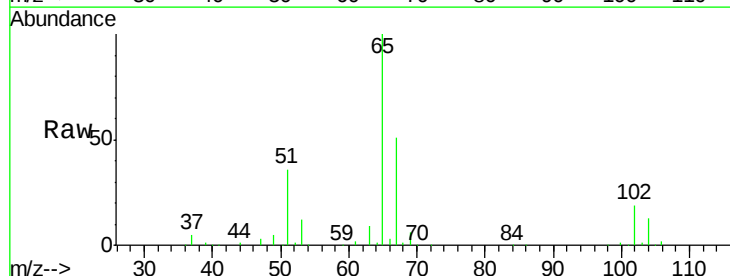
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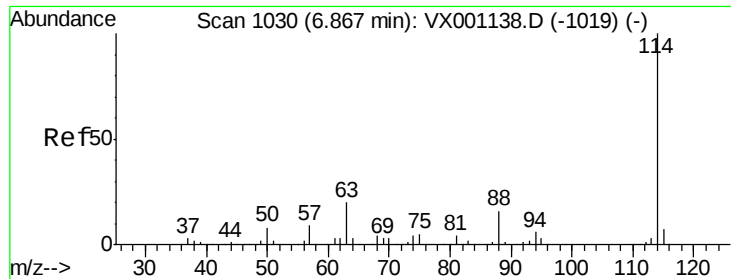
Tgt Ion: 42 Resp: 247
Ion Ratio Lower Upper
42 100
72 10.9 34.4 51.6#
71 9.7 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 46.922 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX001177.D
Acq: 27 Apr 2018 18:11

Tgt Ion: 65 Resp: 137868
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.2

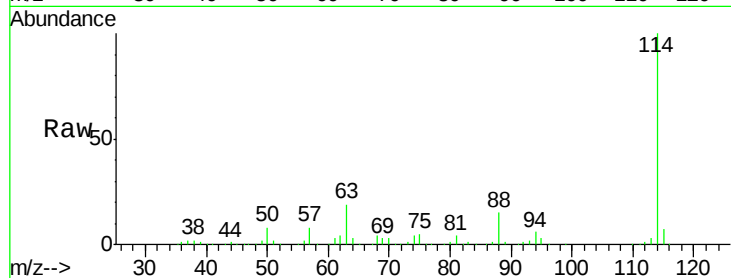




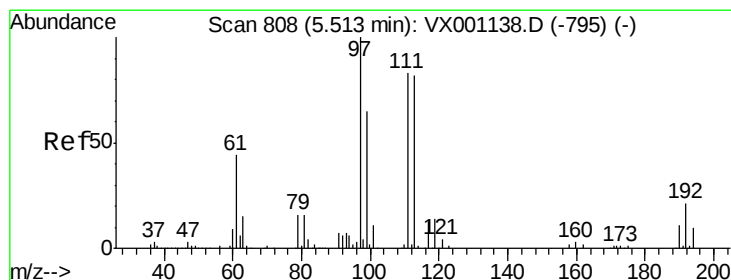
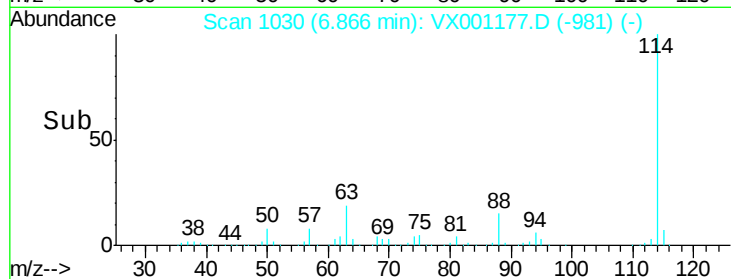
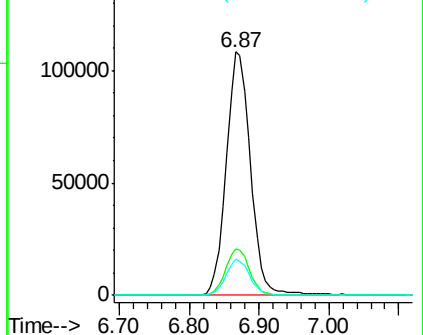
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001177.D
 Acq: 27 Apr 2018 18:11

Instrument :
 MSVOA_X
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 LF015MW047-180418DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	40.4
88	14.7	0.0	31.8

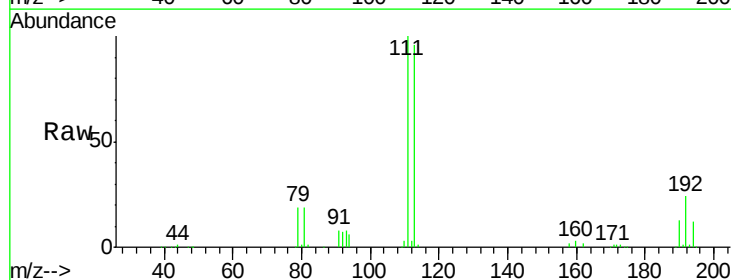


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

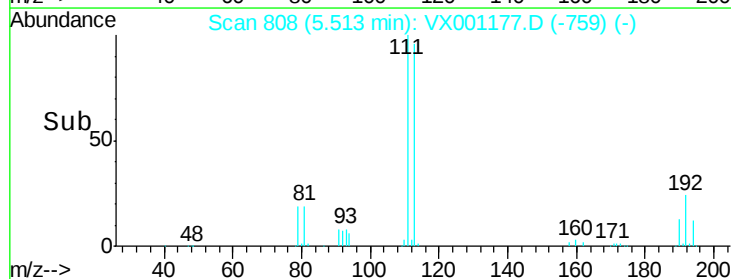
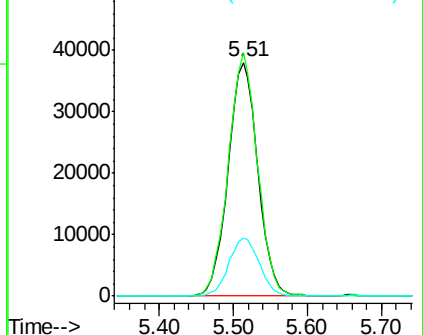


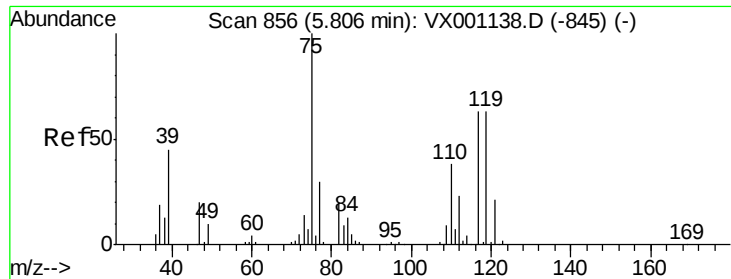
#35
 Dibromofluoromethane
 Concen: 49.208 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001177.D
 Acq: 27 Apr 2018 18:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	25.7	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

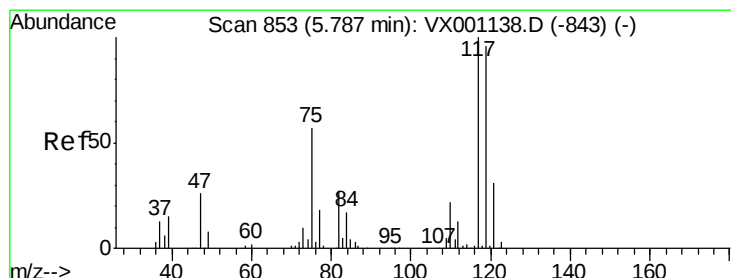
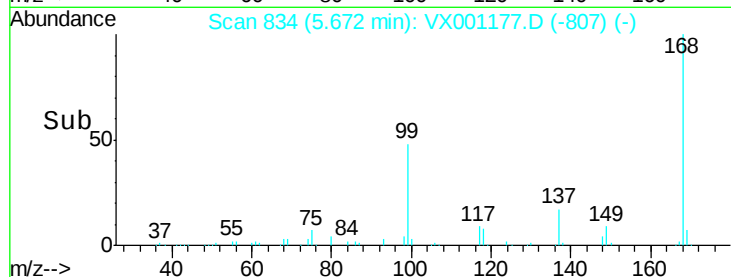
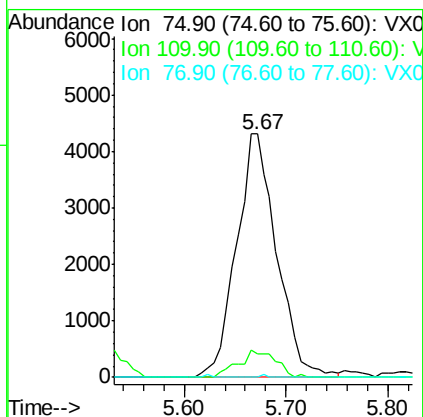
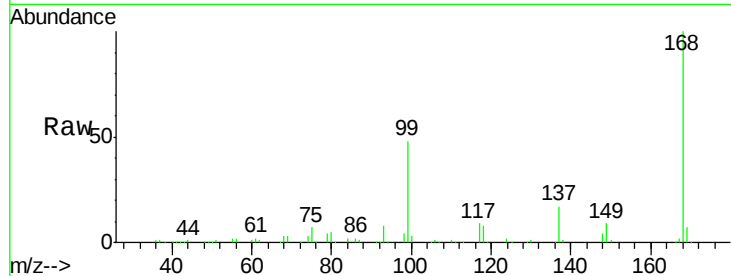




#36
 1,1-Dichloropropene
 Concen: 4.112 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001177.D
 Acq: 27 Apr 2018 18:11

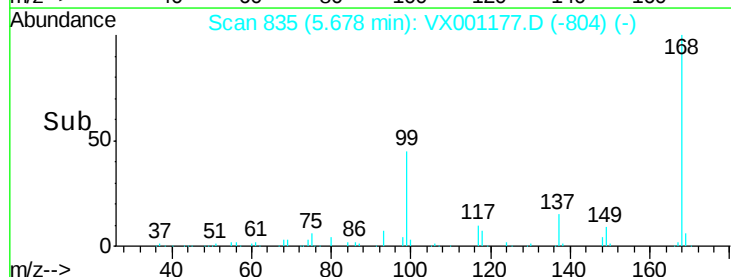
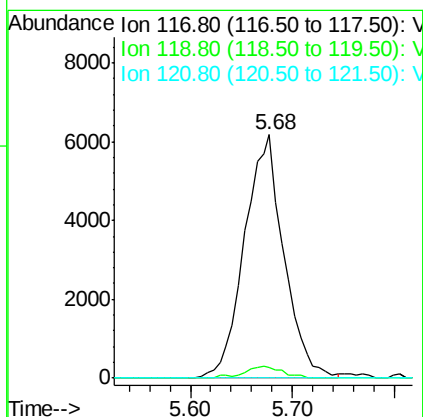
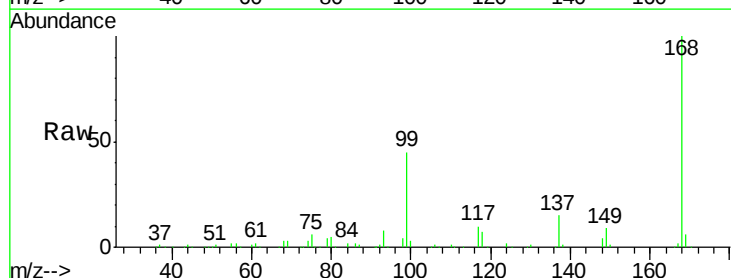
Instrument :
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 LF015MW047-180418DL

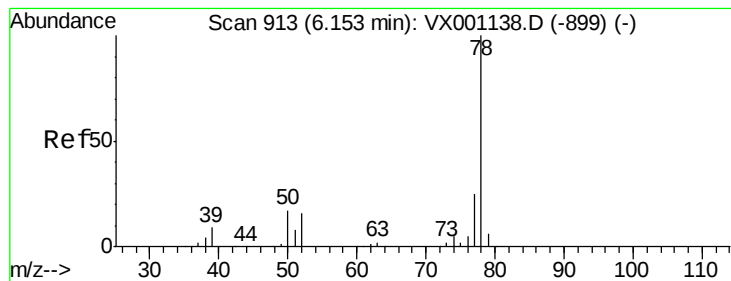
Tgt Ion: 75 Resp: 11818
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.0 57.0#
 77 0.2 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.643 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.11 min
 Lab File: VX001177.D
 Acq: 27 Apr 2018 18:11

Tgt Ion: 117 Resp: 16629
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.5 114.7#
 121 0.0 24.6 37.0#





#40

Benzene

Concen: 2.720 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX001177.D

Acq: 27 Apr 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

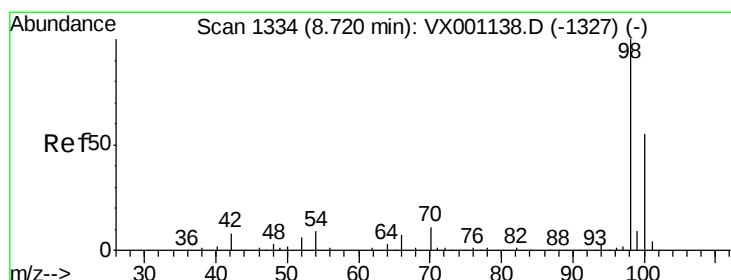
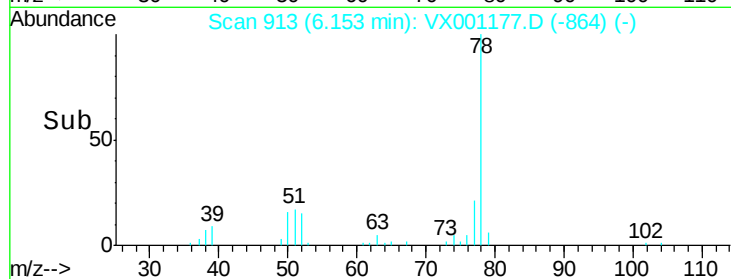
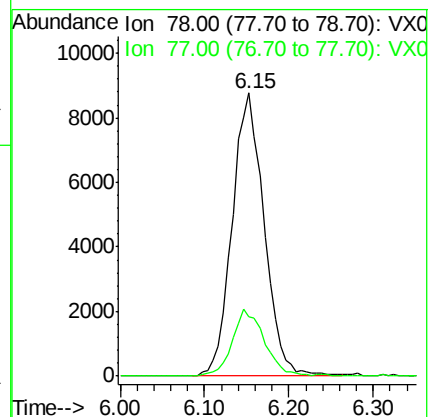
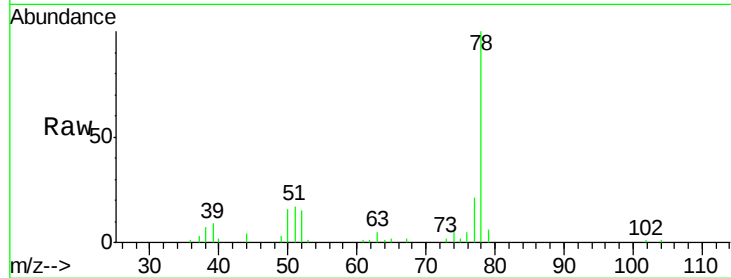
LF015MW047-180418DL

Tgt Ion: 78 Resp: 22613

Ion Ratio Lower Upper

78 100

77 21.0 19.7 29.5



#50

Toluene-d8

Concen: 49.959 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001177.D

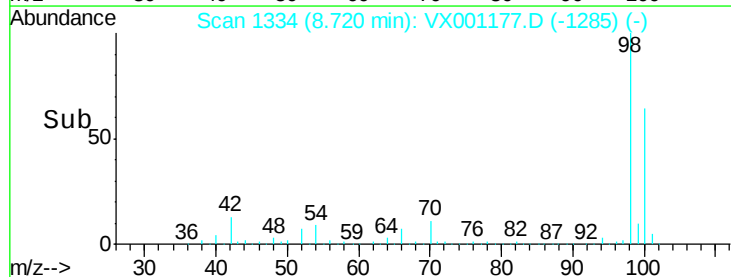
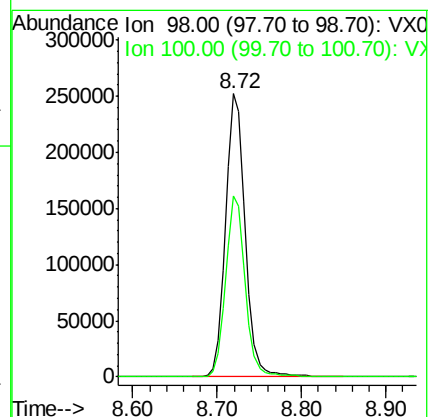
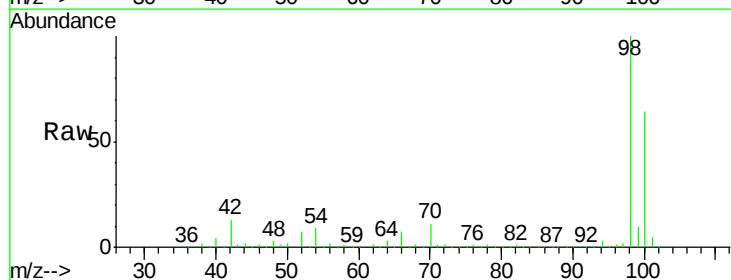
Acq: 27 Apr 2018 18:11

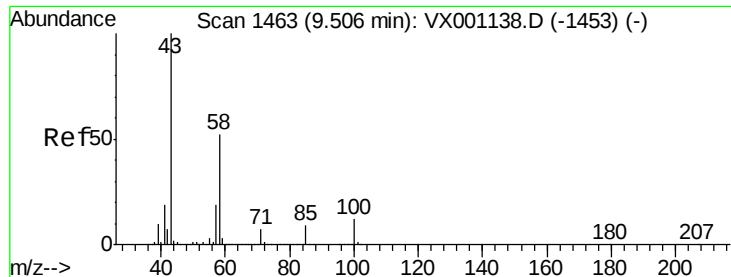
Tgt Ion: 98 Resp: 406970

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.6

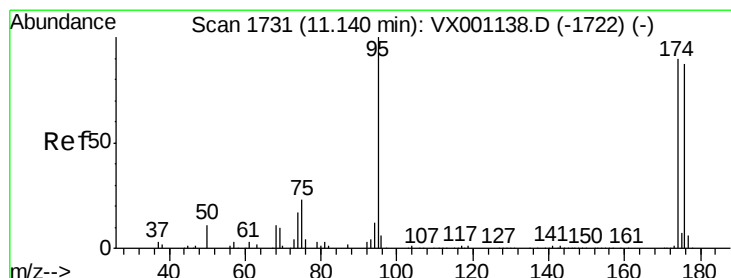
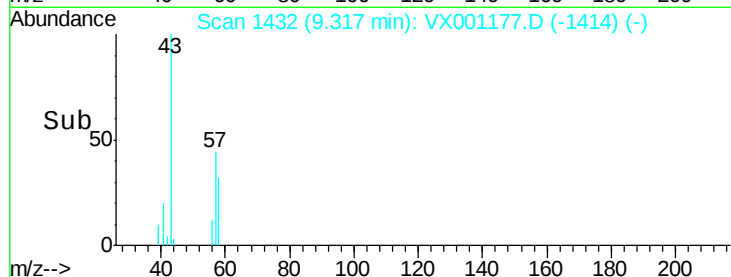
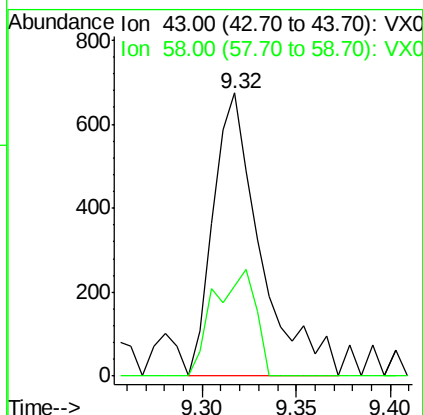
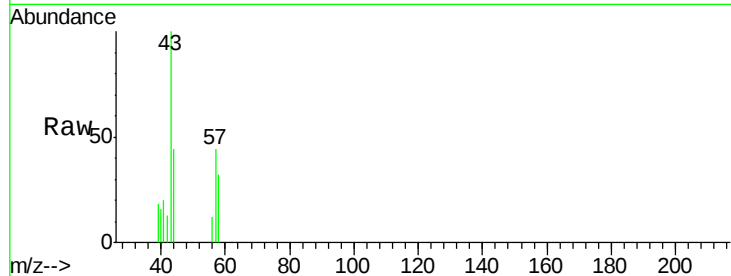




#59
 2-Hexanone
 Concen: 0.422 ug/l
 RT: 9.32 min Scan# 1432
 Delta R.T. -0.19 min
 Lab File: VX001177.D
 Acq: 27 Apr 2018 18:11

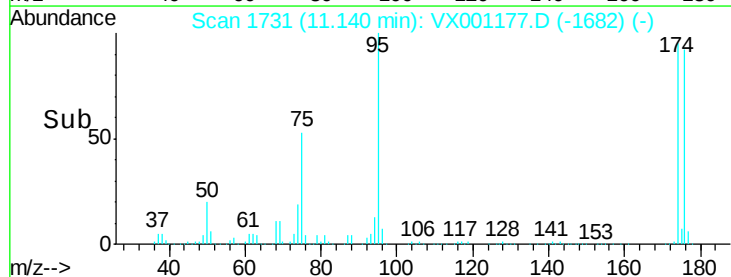
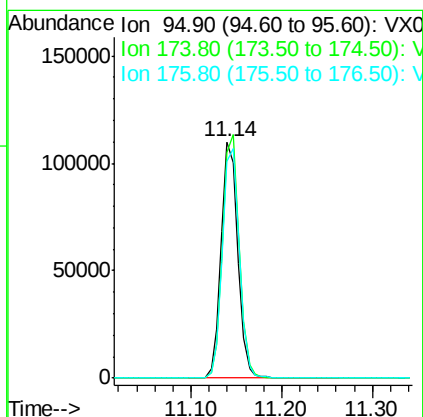
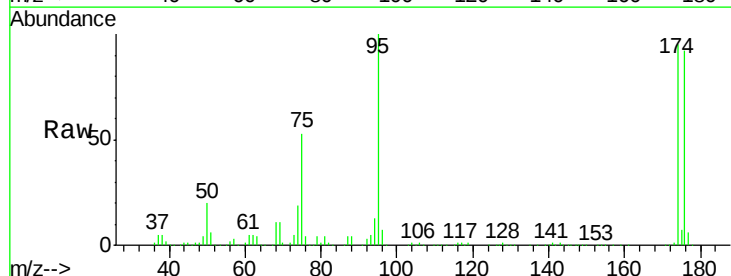
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418DL

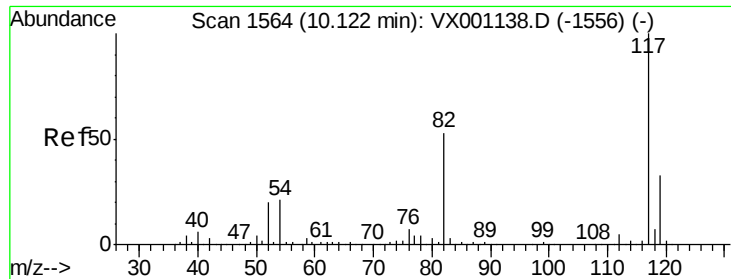
Tgt Ion: 43 Resp: 1173
 Ion Ratio Lower Upper
 43 100
 58 33.2 25.8 77.4



#62
 4-Bromofluorobenzene
 Concen: 44.521 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001177.D
 Acq: 27 Apr 2018 18:11

Tgt Ion: 95 Resp: 141678
 Ion Ratio Lower Upper
 95 100
 174 102.6 0.0 194.4
 176 98.8 0.0 190.2

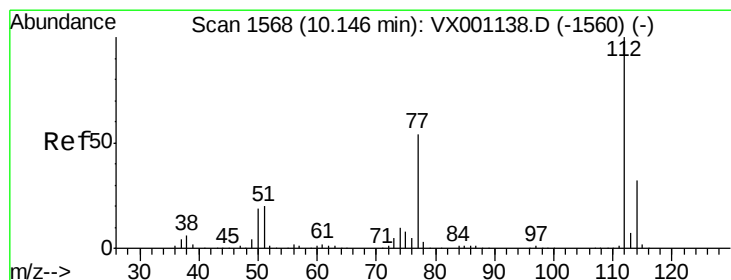
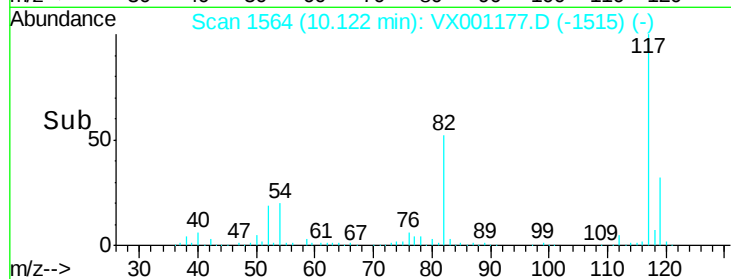
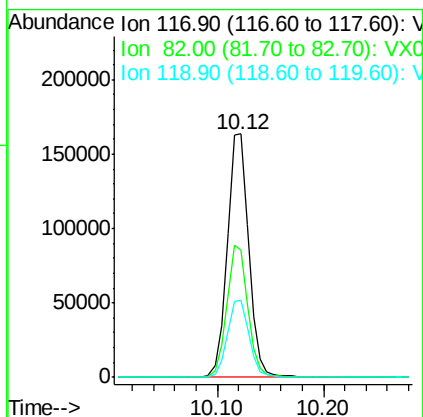
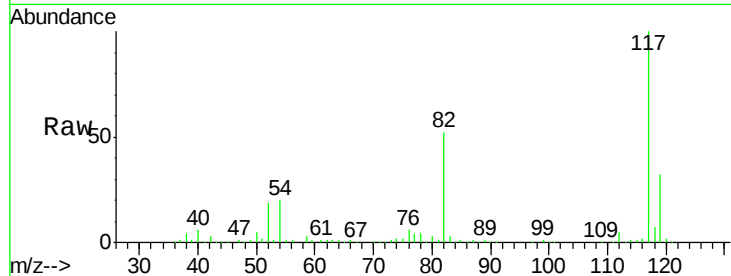




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001177.D
Acq: 27 Apr 2018 18:11

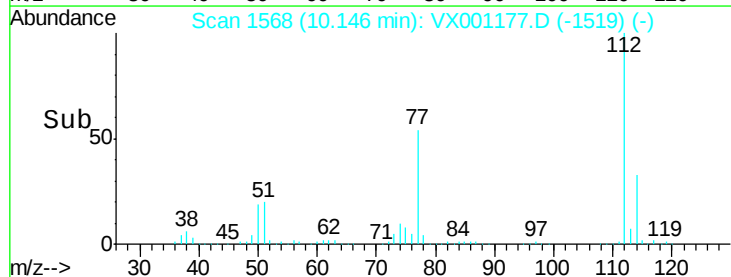
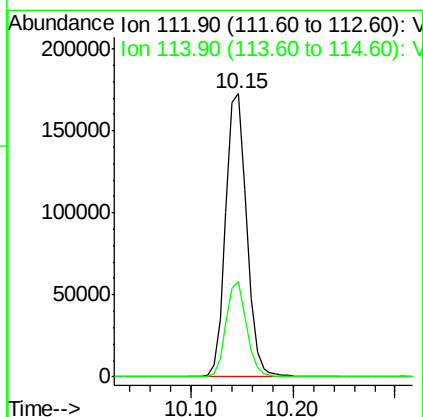
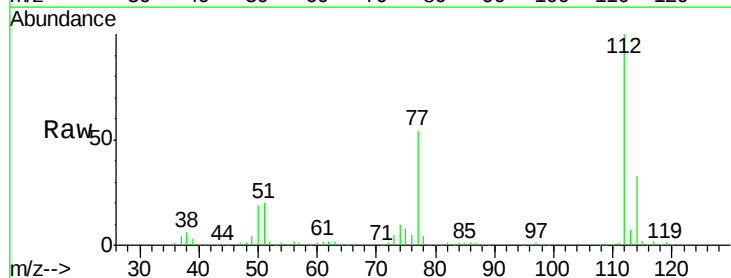
Instrument :
MSVOA_X
ClientSampleId :
LF015MW047-180418DL

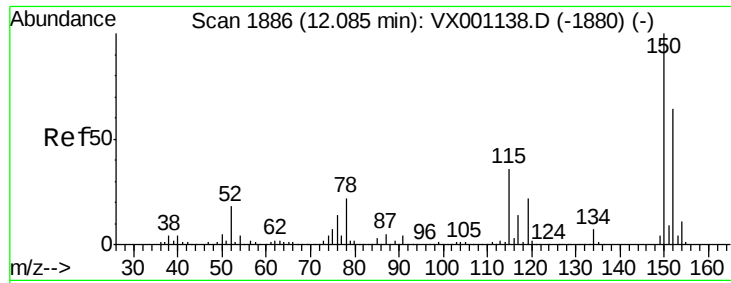
Tgt Ion:117 Resp: 232449
Ion Ratio Lower Upper
117 100
82 52.3 42.1 63.1
119 31.7 26.1 39.1



#65
Chlorobenzene
Concen: 40.576 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001177.D
Acq: 27 Apr 2018 18:11

Tgt Ion:112 Resp: 247108
Ion Ratio Lower Upper
112 100
114 33.5 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001177.D

Acq: 27 Apr 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418DL

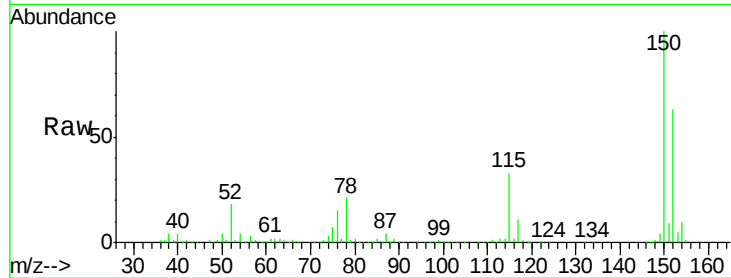
Tgt Ion:152 Resp: 134602

Ion Ratio Lower Upper

152 100

115 52.5 38.0 114.0

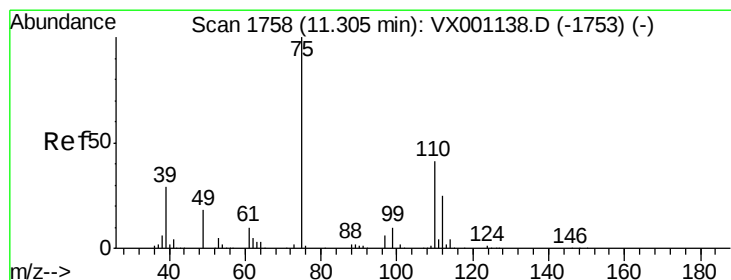
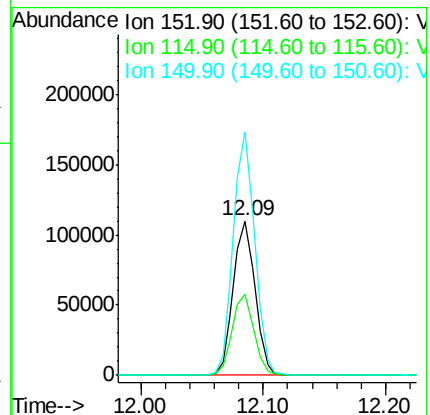
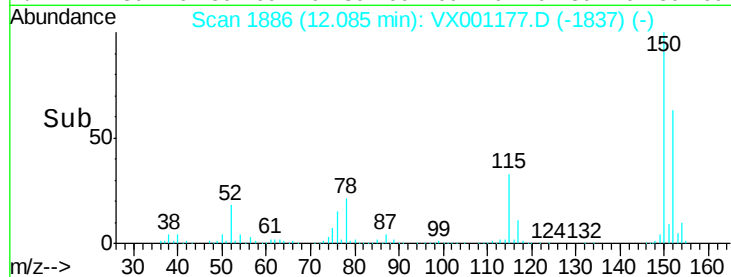
150 155.9 0.0 349.6



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



#76

1,2,3-Trichloropropane

Concen: 26.887 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001177.D

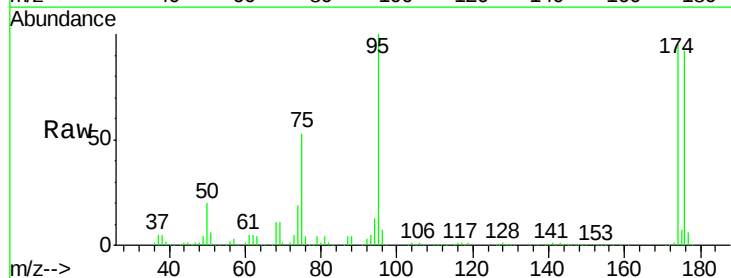
Acq: 27 Apr 2018 18:11

Tgt Ion: 75 Resp: 73693

Ion Ratio Lower Upper

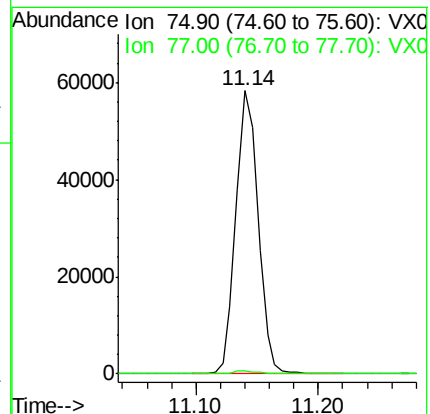
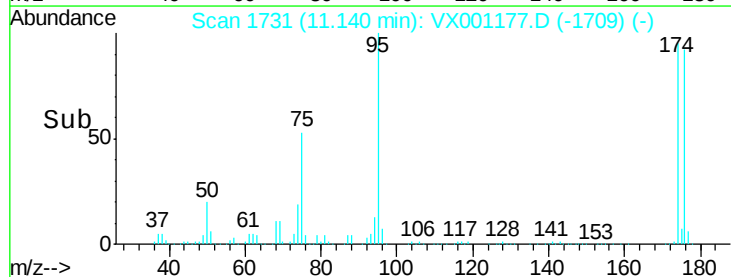
75 100

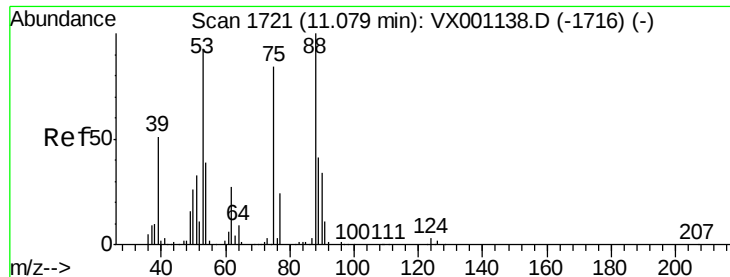
77 1.2 18.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

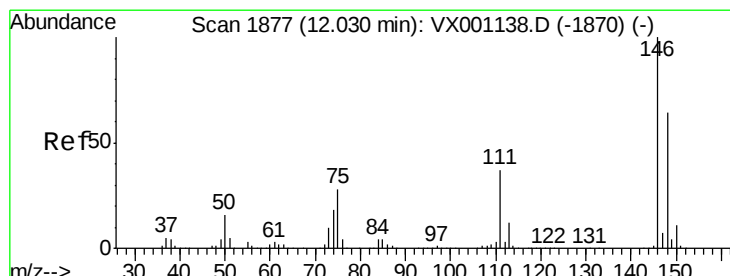
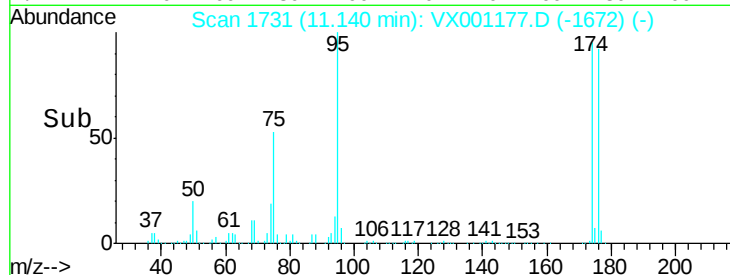
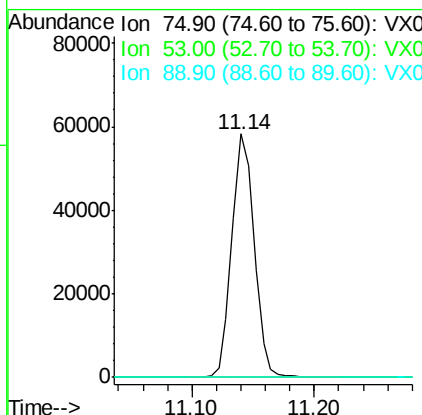
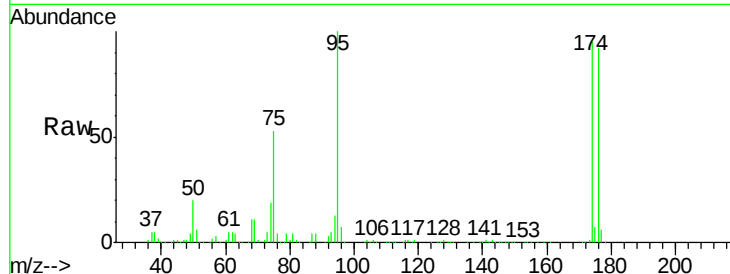




#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.825 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001177.D
 Acq: 27 Apr 2018 18:11

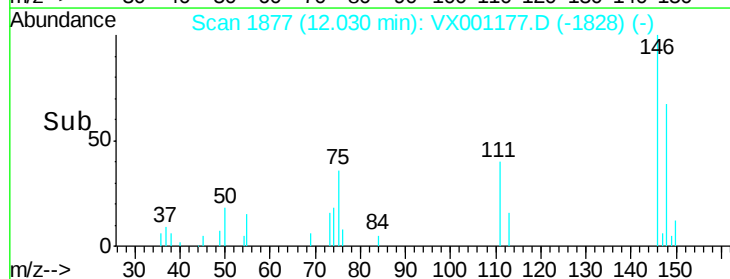
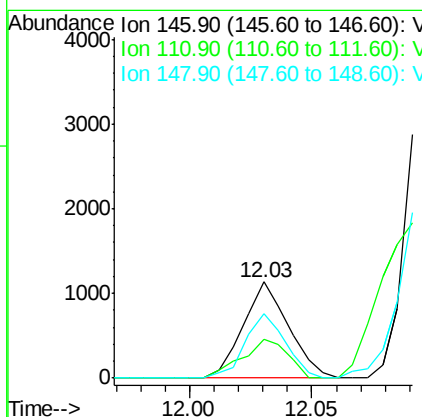
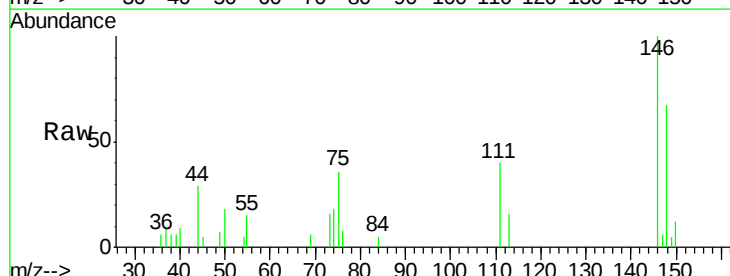
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418DL

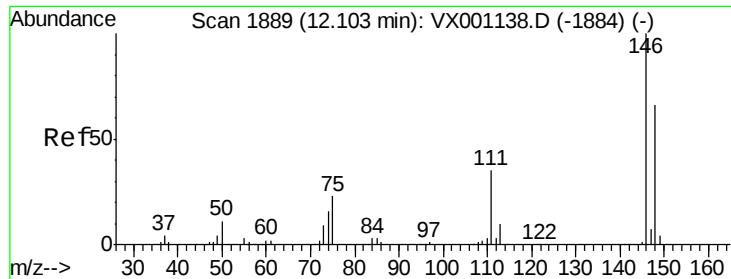
Tgt Ion: 75 Resp: 73693
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.9 131.9#
 89 0.0 37.7 56.5#



#87
 1,3-Dichlorobenzene
 Concen: 0.313 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001177.D
 Acq: 27 Apr 2018 18:11

Tgt Ion: 146 Resp: 1463
 Ion Ratio Lower Upper
 146 100
 111 40.7 18.6 56.0
 148 59.3 32.3 96.8

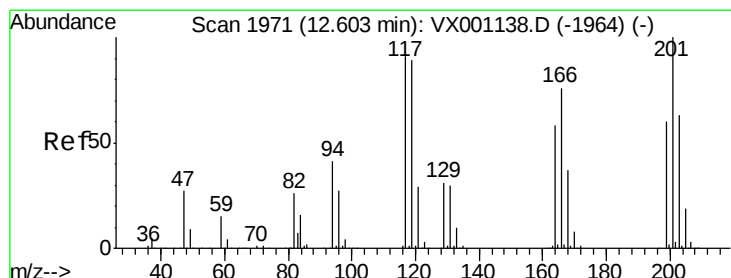
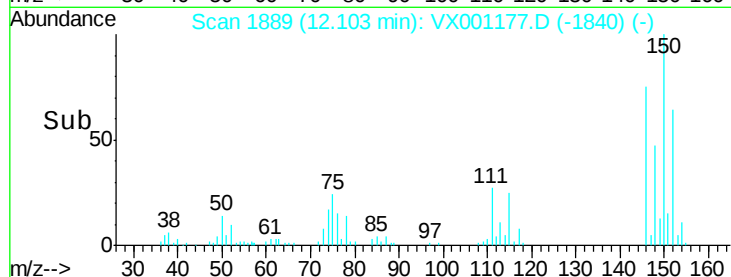
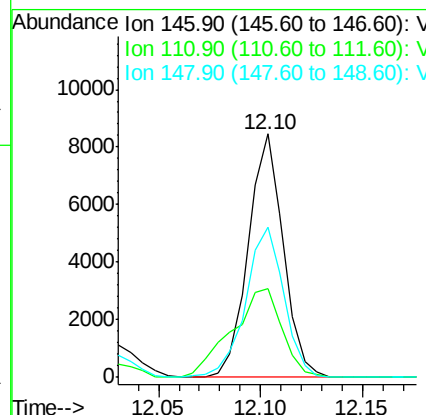
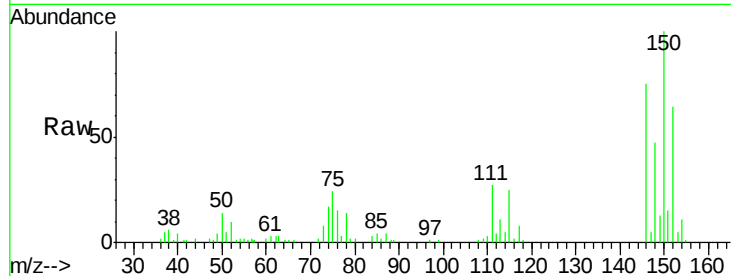




#88
 1,4-Dichlorobenzene
 Concen: 2.074 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001177.D
 Acq: 27 Apr 2018 18:11

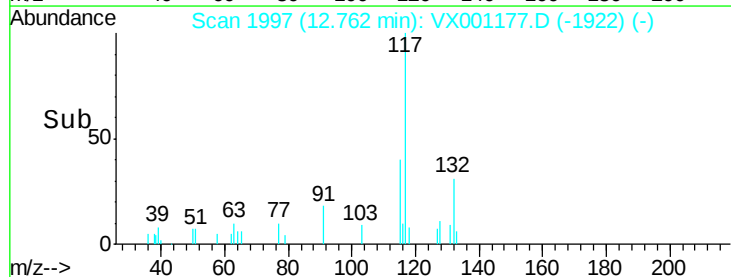
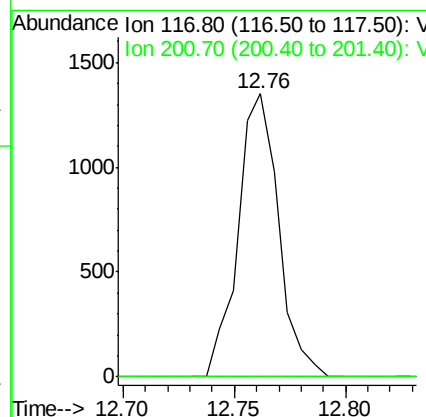
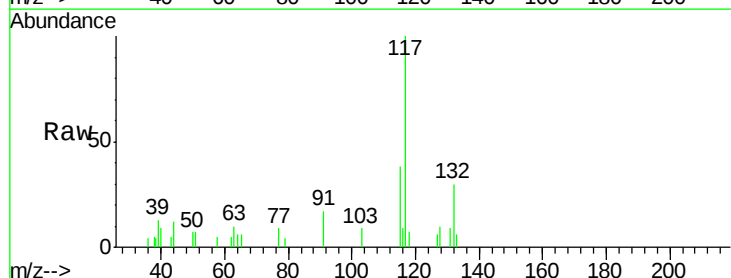
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-180418DL

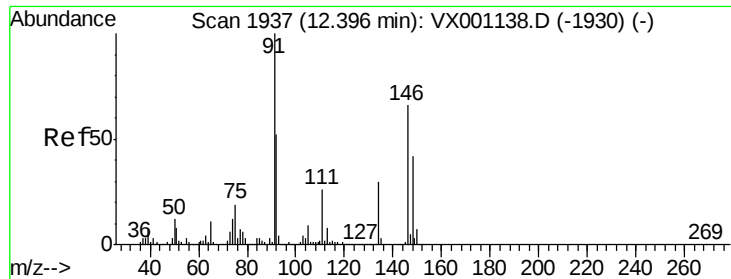
Tgt Ion:146 Resp: 10094
 Ion Ratio Lower Upper
 146 100
 111 52.2 18.0 54.0
 148 67.5 32.5 97.5



#90
 Hexachloroethane
 Concen: 4.606 ug/l
 RT: 12.76 min Scan# 1997
 Delta R.T. 0.16 min
 Lab File: VX001177.D
 Acq: 27 Apr 2018 18:11

Tgt Ion:117 Resp: 1714
 Ion Ratio Lower Upper
 117 100
 201 0.0 51.8 155.4#





#91

1,2-Dichlorobenzene

Concen: 8.455 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001177.D

Acq: 27 Apr 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-180418DL

Tgt Ion:146 Resp: 39912

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.3

148 65.1 32.2 96.6

