

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001202.D
 Acq On : 28 Apr 2018 05:40
 Operator : JC/MD
 Sample : J2507-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW003-180419

Quant Time: Apr 28 07:04:09 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	196200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	270124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	239495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	134444	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	151070	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	5.51	113	118462	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
50) Toluene-d8	8.72	98	443740	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.14	95	148722	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	

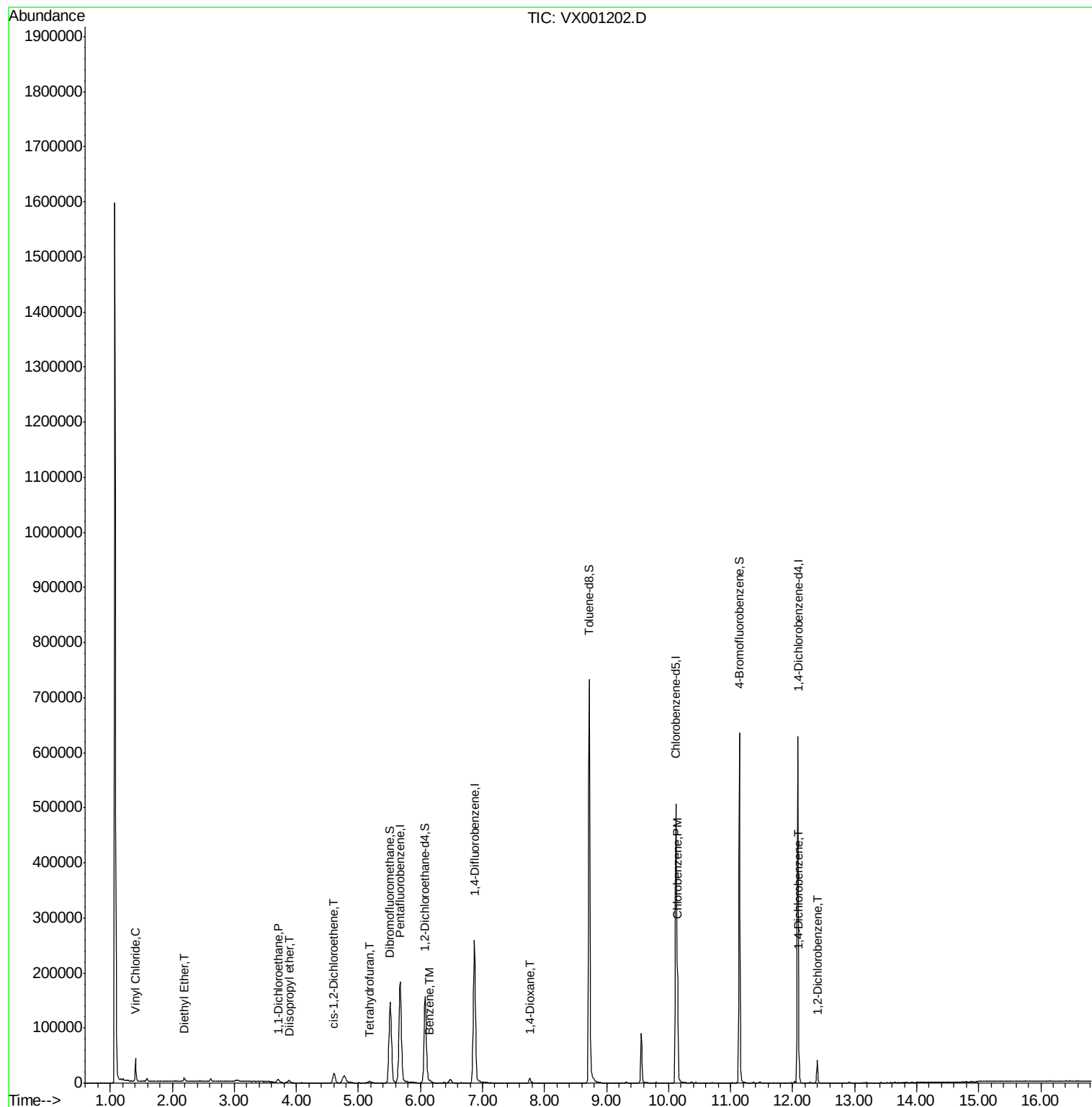
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	27513	12.03	ug/l	100
8) Diethyl Ether	2.19	74	2430	1.71	ug/l	97
22) Diisopropyl ether	3.88	45	4356	0.60	ug/l #	95
24) 1,1-Dichloroethane	3.70	63	6884	1.81	ug/l	97
27) cis-1,2-Dichloroethene	4.61	96	10648	4.43	ug/l	90
29) Tetrahydrofuran	5.18	42	2406	2.00	ug/l	93
40) Benzene	6.15	78	4643	0.54	ug/l #	88
49) 1,4-Dioxane	7.76	88	5636	94.60	ug/l	99
65) Chlorobenzene	10.15	112	81359	12.97	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	9599	1.97	ug/l	88
91) 1,2-Dichlorobenzene	12.40	146	13307	2.82	ug/l	98

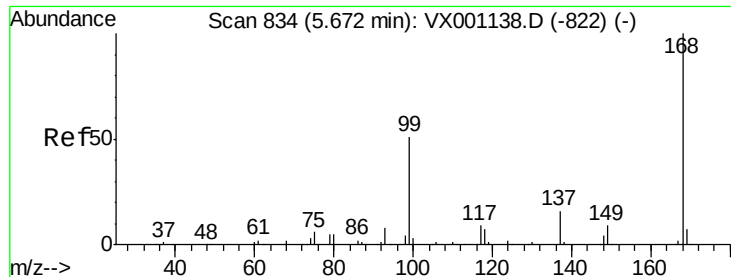
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001202.D

Acq: 28 Apr 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

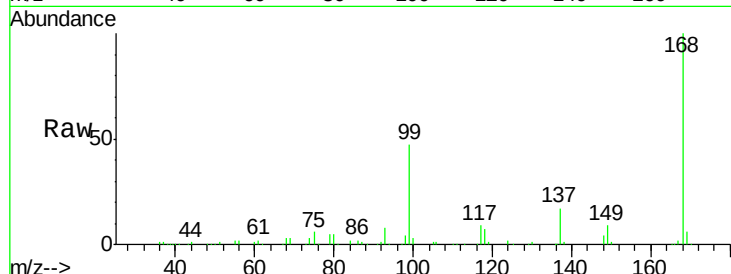
LF001MW003-180419

Tot Ion:168 Resp: 196200

Ion Ratio Lower Upper

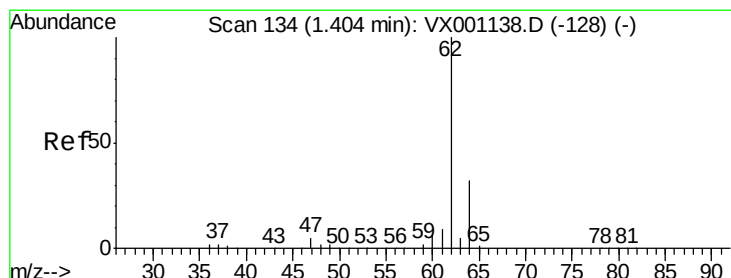
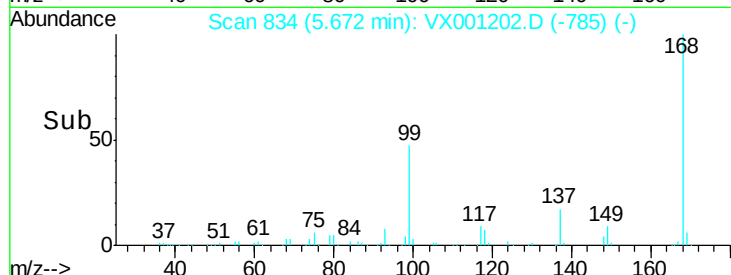
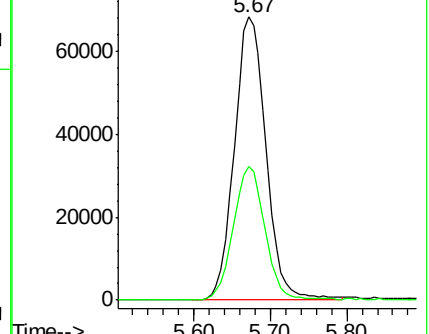
168 100

99 47.1 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 12.03 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001202.D

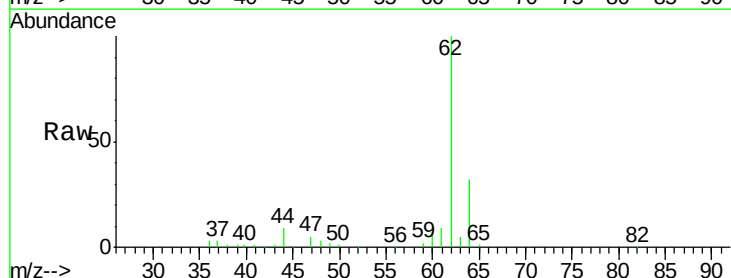
Acq: 28 Apr 2018 05:40

Tgt Ion: 62 Resp: 27513

Ion Ratio Lower Upper

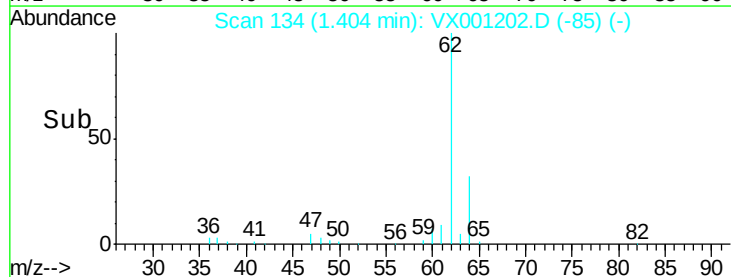
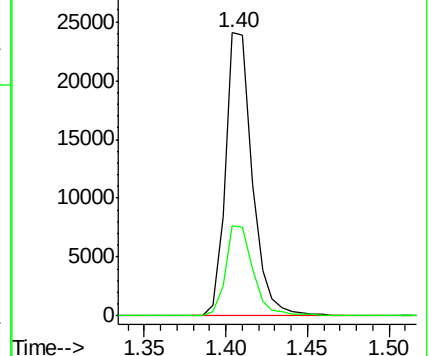
62 100

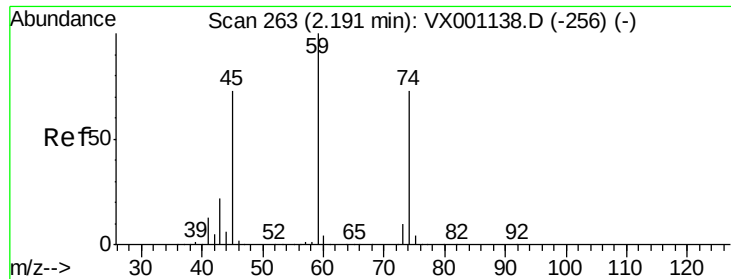
64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

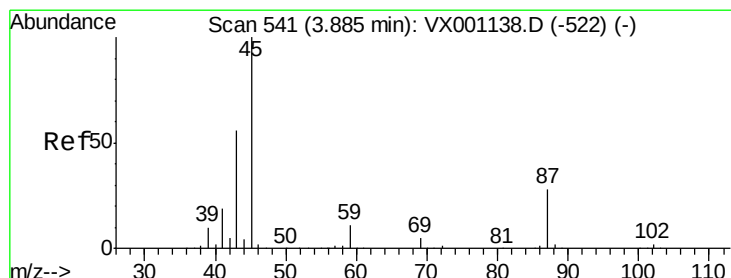
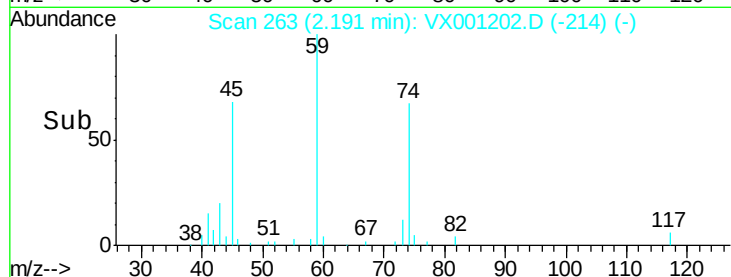
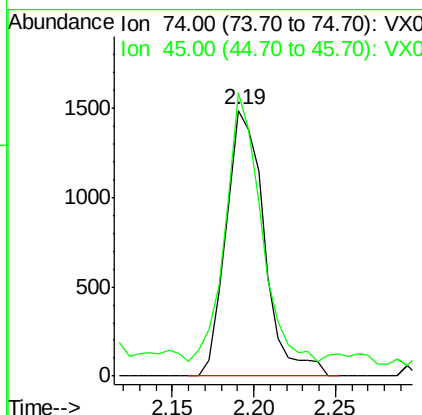
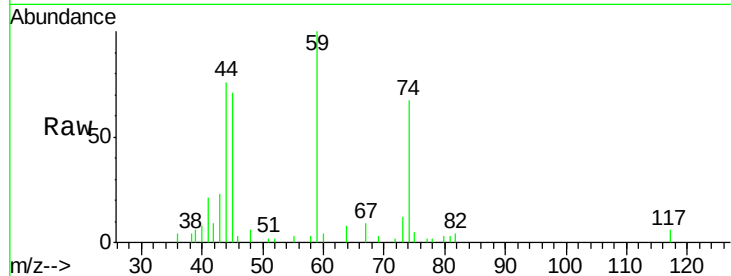




#8
Diethyl Ether
Concen: 1.71 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001202.D
Acq: 28 Apr 2018 05:40

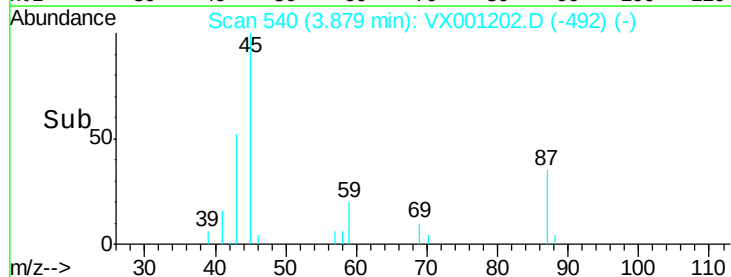
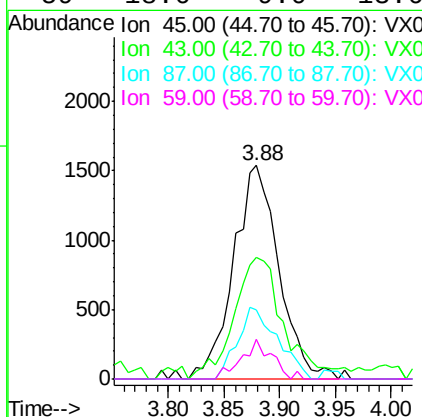
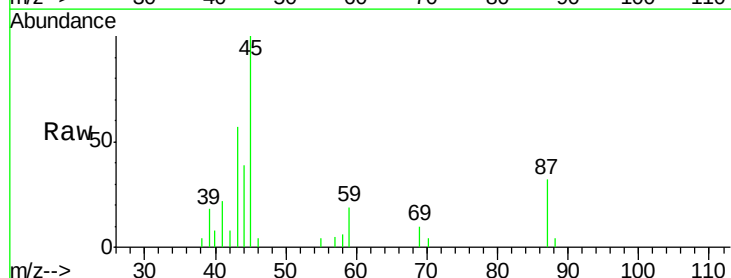
Instrument :
MSVOA_X
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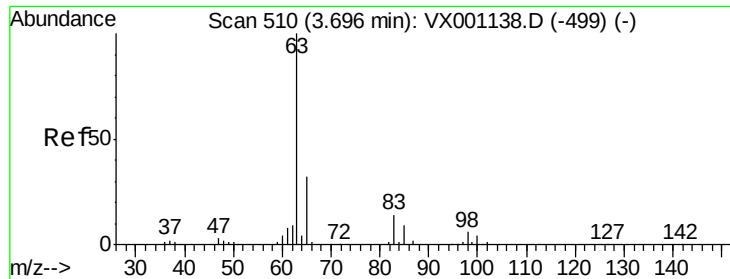
Tot Ion: 74 Resp: 2430
Ion Ratio Lower Upper
74 100
45 95.9 49.5 148.7



#22
Diisopropyl ether
Concen: 0.60 ug/l
RT: 3.88 min Scan# 540
Delta R.T. -0.01 min
Lab File: VX001202.D
Acq: 28 Apr 2018 05:40

Tgt Ion: 45 Resp: 4356
Ion Ratio Lower Upper
45 100
43 56.7 45.0 67.4
87 32.3 22.8 34.2
59 18.6 9.0 13.6#





#24

1,1-Dichloroethane

Concen: 1.81 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001202.D

Acq: 28 Apr 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

LF001MW003-180419

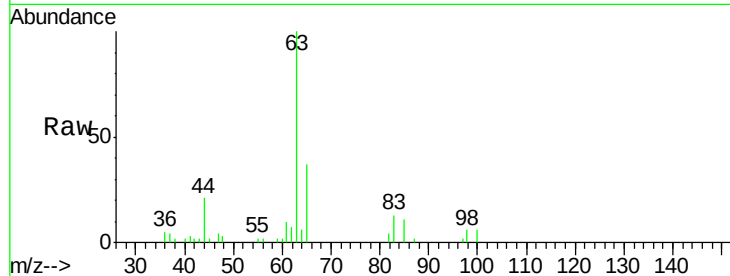
Tot Ion: 63 Resp: 6884

Ion Ratio Lower Upper

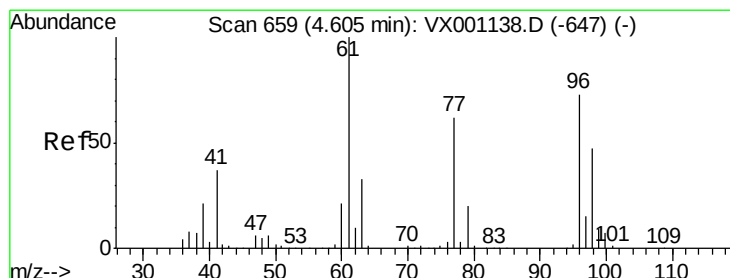
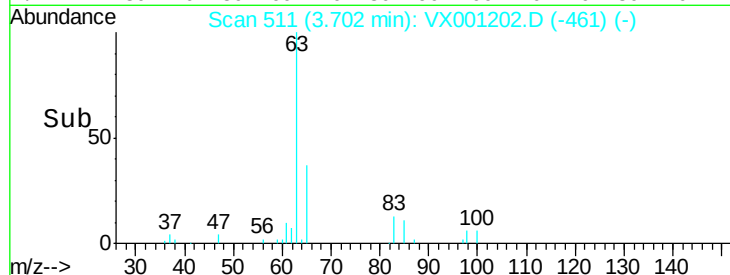
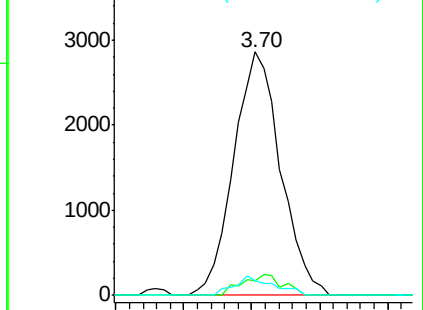
63 100

98 5.7 3.1 9.4

100 5.8 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 4.43 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001202.D

Acq: 28 Apr 2018 05:40

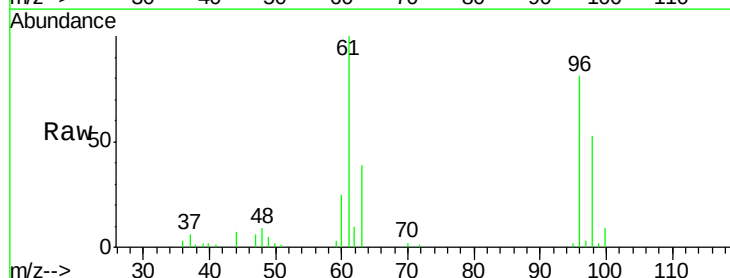
Tgt Ion: 96 Resp: 10648

Ion Ratio Lower Upper

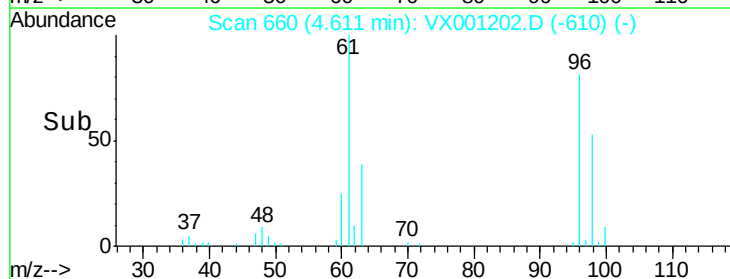
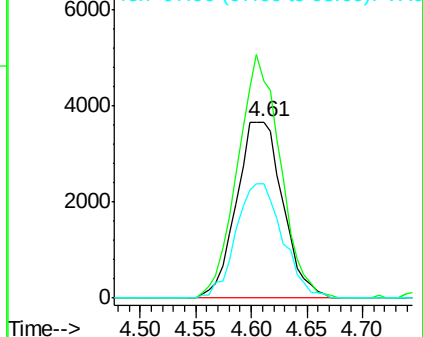
96 100

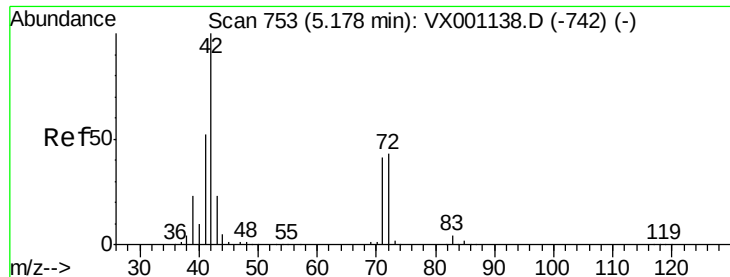
61 127.2 0.0 289.0

98 65.2 0.0 128.2



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

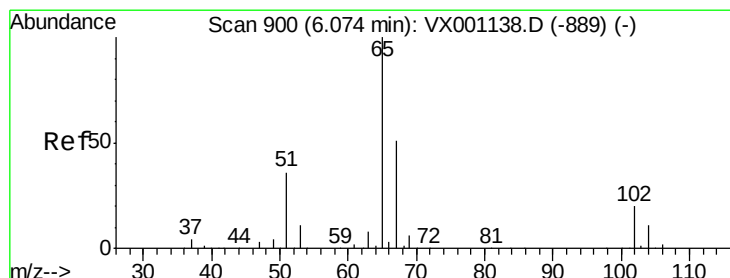
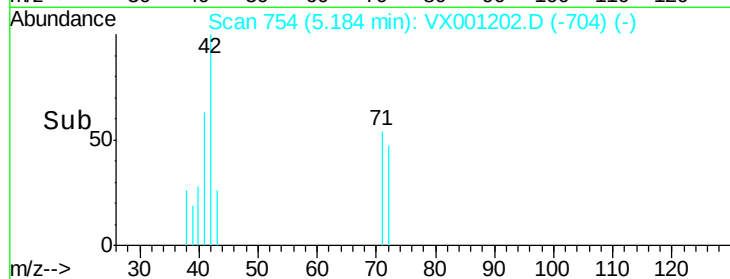
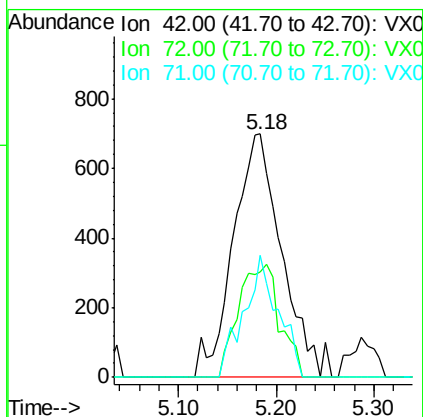
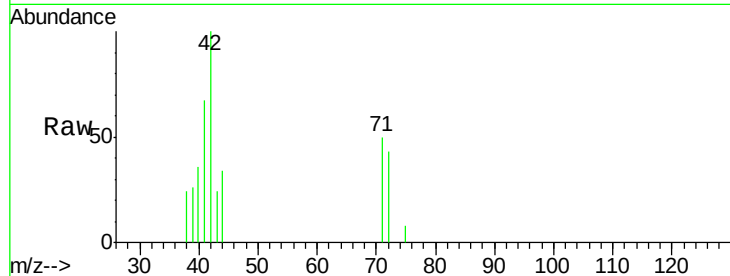




#29
Tetrahydrofuran
Concen: 2.00 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001202.D
Acq: 28 Apr 2018 05:40

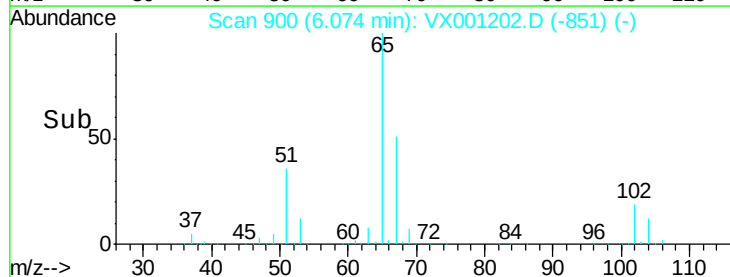
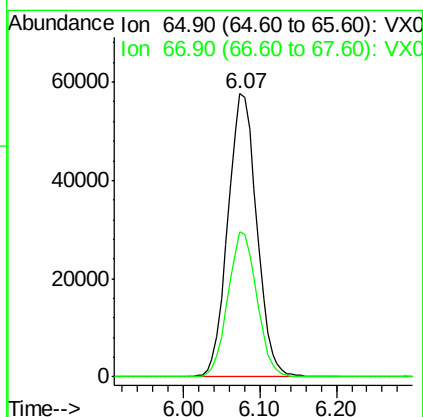
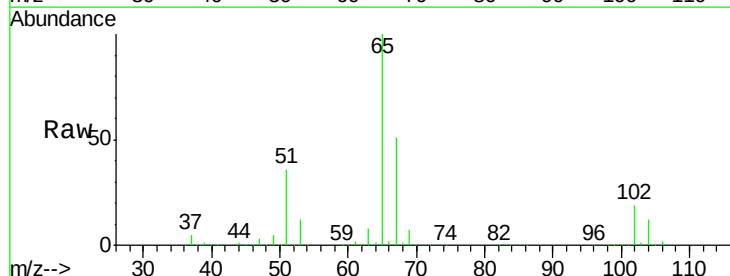
Instrument :
MSVOA_X
ClientSampleId :
LF001MW003-180419

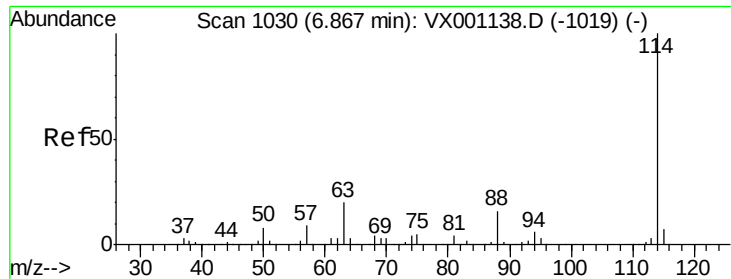
Tot Ion: 42 Resp: 2406
Ion Ratio Lower Upper
42 100
72 39.5 34.4 51.6
71 35.2 32.1 48.1



#33
1,2-Dichloroethane-d4
Concen: 49.67 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001202.D
Acq: 28 Apr 2018 05:40

Tgt Ion: 65 Resp: 151070
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.2

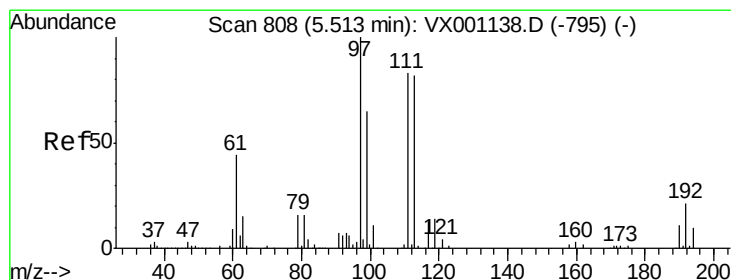
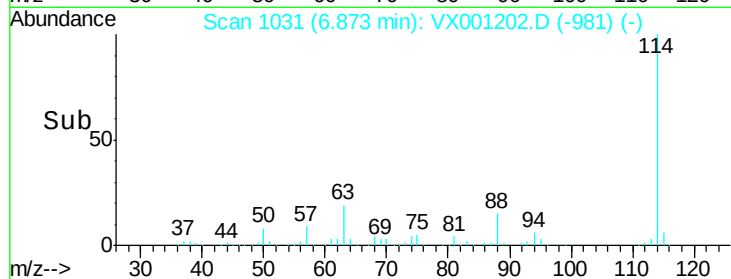
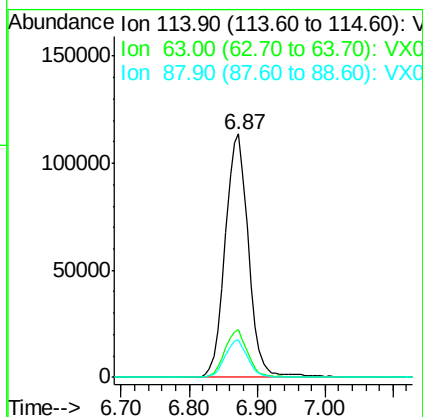
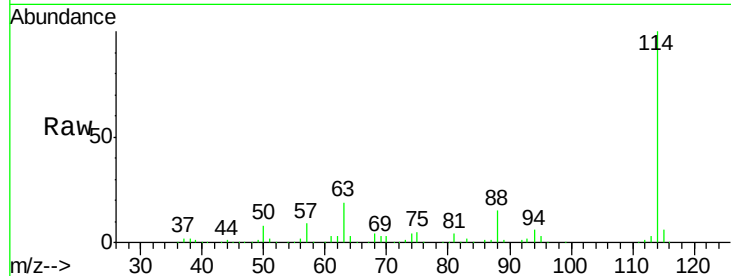




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001202.D
 Acq: 28 Apr 2018 05:40

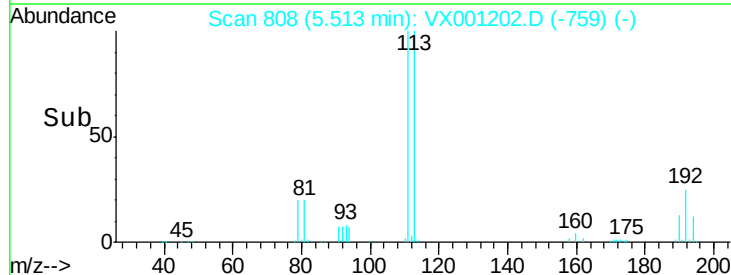
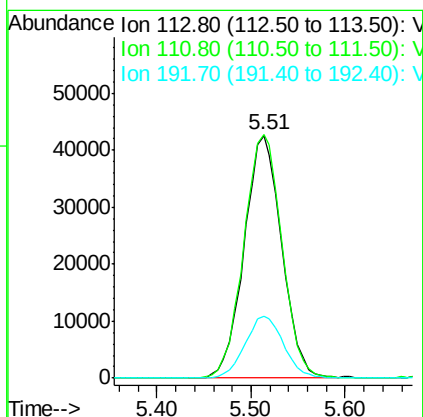
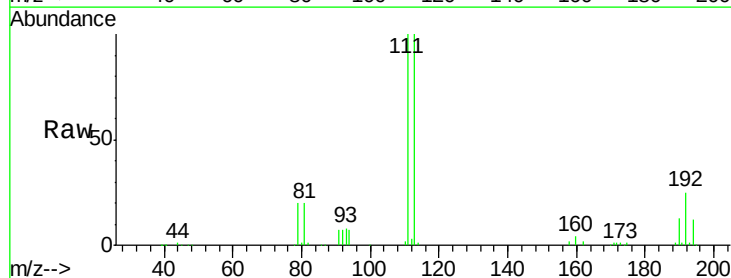
Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW003-180419

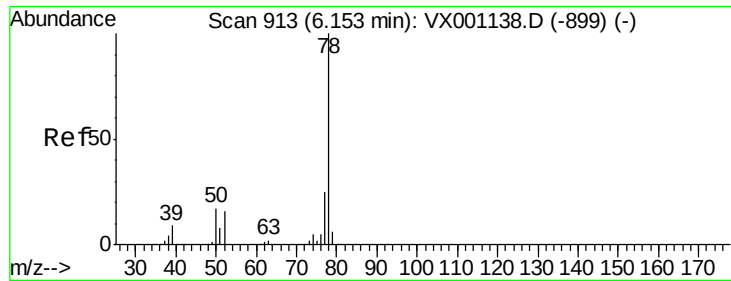
Tot Ion:114 Resp: 270124
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.4
 88 15.4 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 52.98 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001202.D
 Acq: 28 Apr 2018 05:40

Tgt Ion:113 Resp: 118462
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.2 123.4
 192 26.2 20.6 30.8





#40

Benzene

Concen: 0.54 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX001202.D

Acq: 28 Apr 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

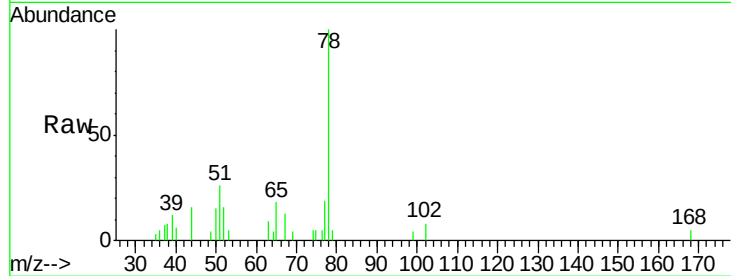
LF001MW003-180419

Tot Ion: 78 Resp: 4643

Ion Ratio Lower Upper

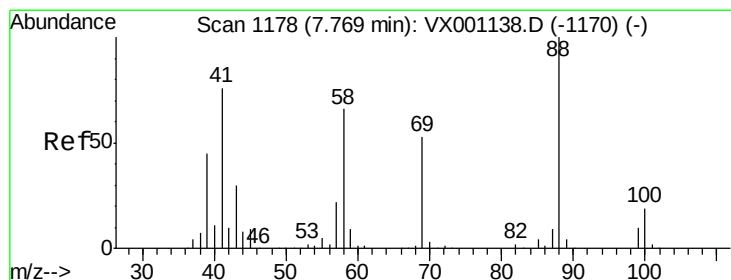
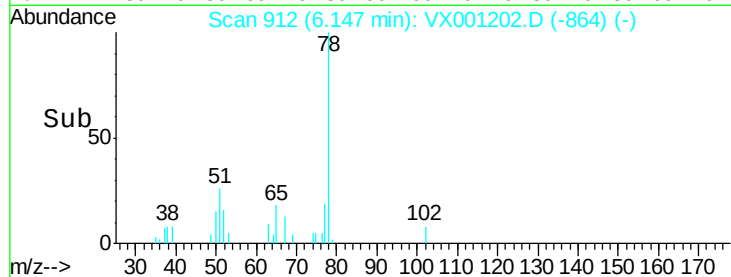
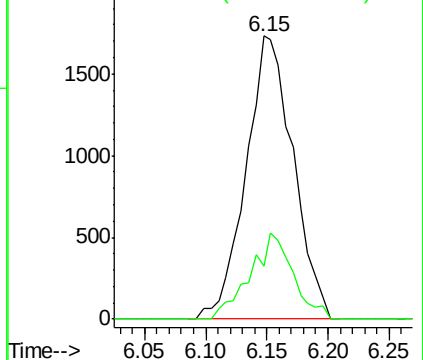
78 100

77 18.7 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: 94.60 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.01 min

Lab File: VX001202.D

Acq: 28 Apr 2018 05:40

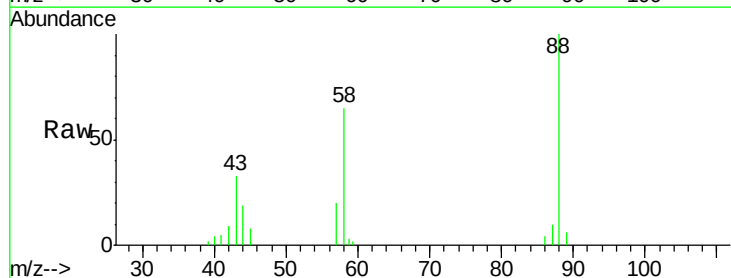
Tgt Ion: 88 Resp: 5636

Ion Ratio Lower Upper

88 100

43 35.1 27.3 40.9

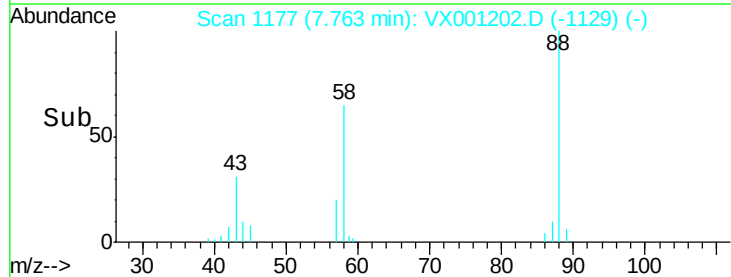
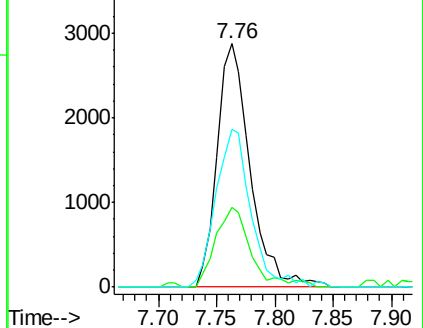
58 68.4 54.2 81.4

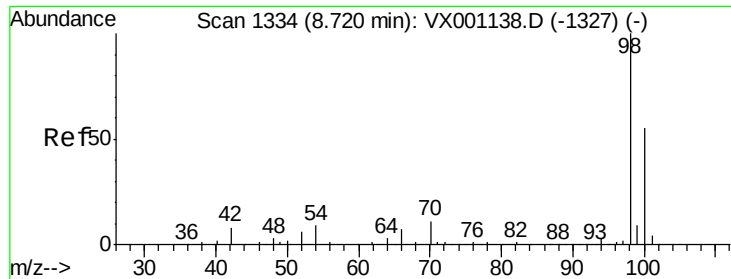


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

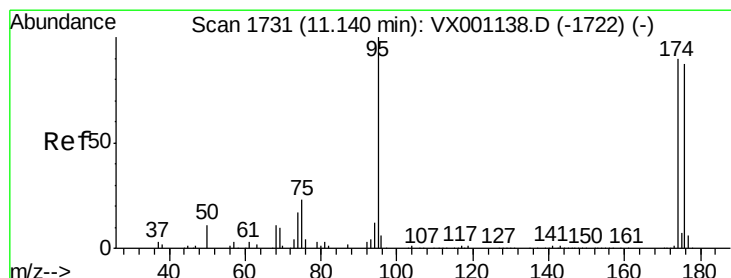
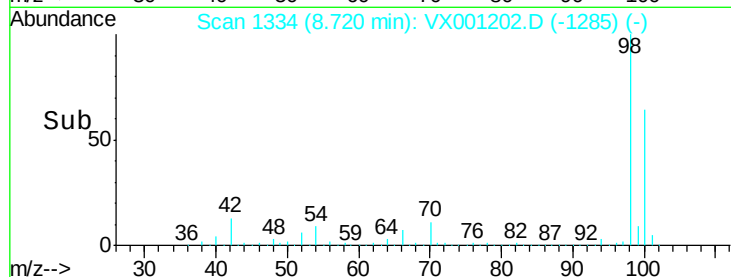
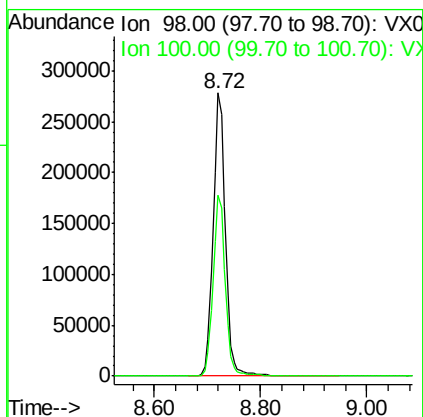
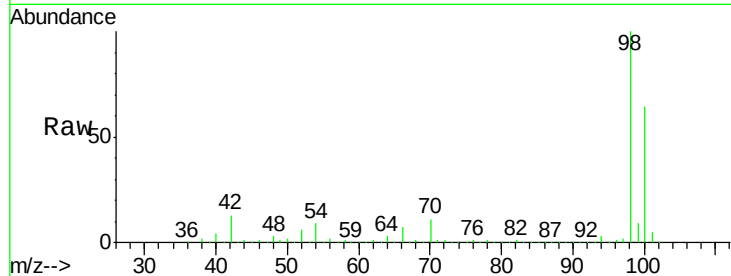




#50
Toluene-d8
Concen: 52.59 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001202.D
Acq: 28 Apr 2018 05:40

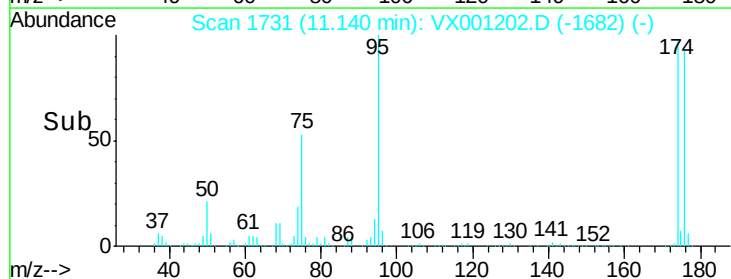
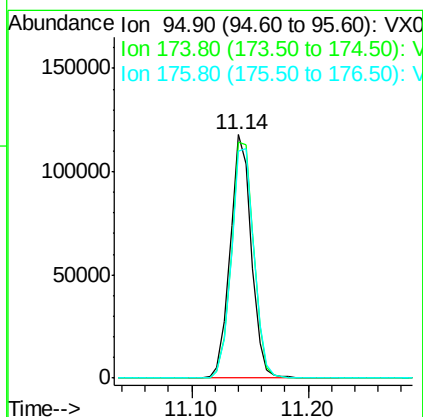
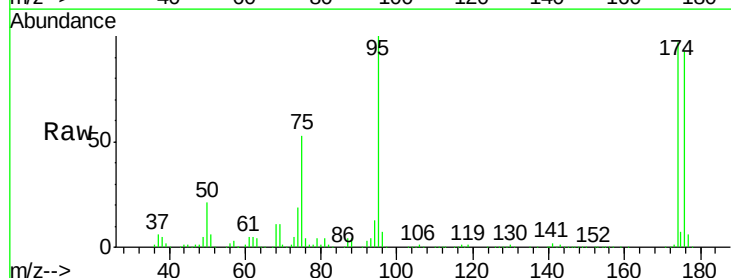
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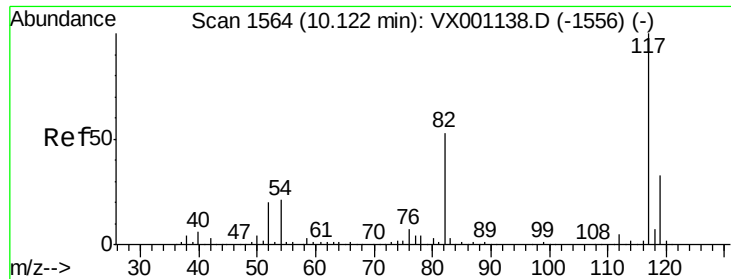
Tot Ion: 98 Resp: 443740
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 45.12 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001202.D
Acq: 28 Apr 2018 05:40

Tgt Ion: 95 Resp: 148722
Ion Ratio Lower Upper
95 100
174 102.7 0.0 194.4
176 101.2 0.0 190.2

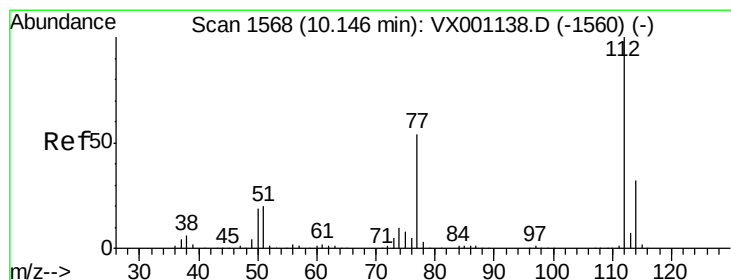
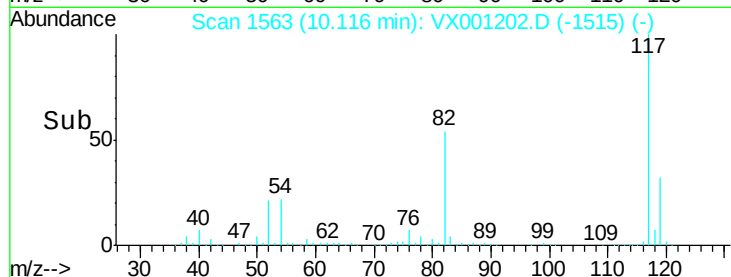
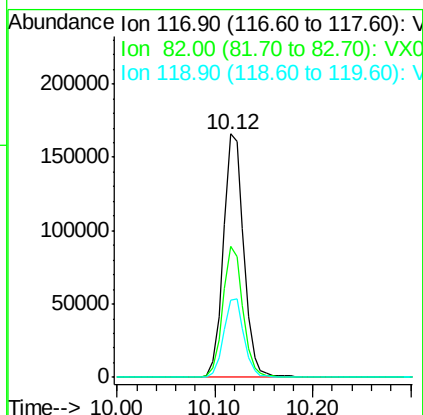
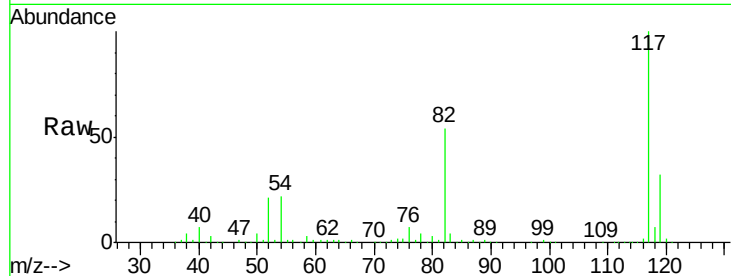




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001202.D
Acq: 28 Apr 2018 05:40

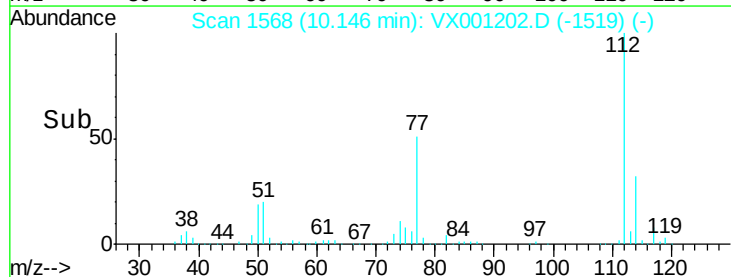
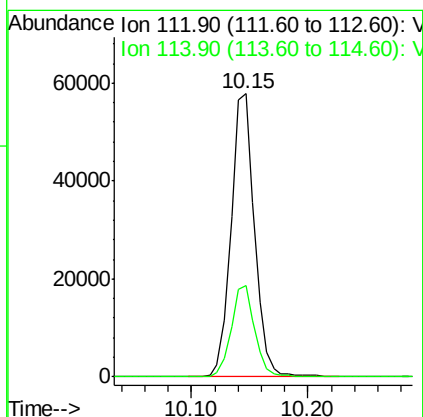
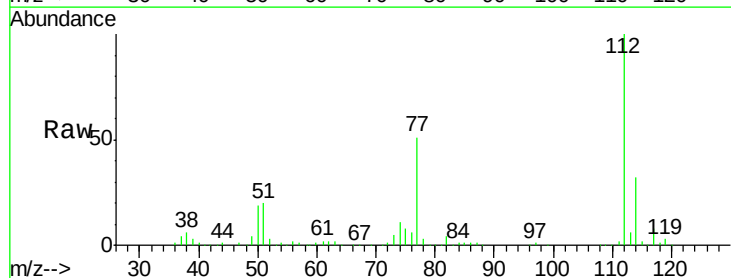
Instrument :
MSVOA_X
ClientSampleId :
LF001MW003-180419

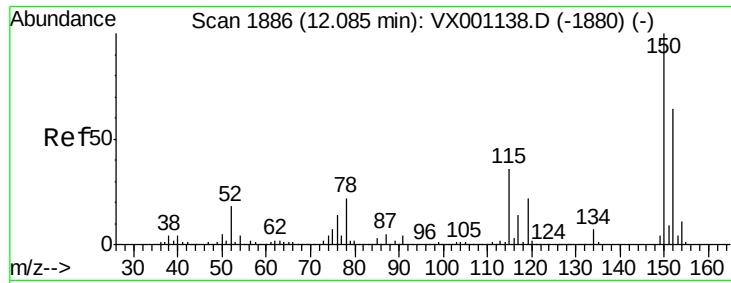
Tot Ion:117 Resp: 239495
Ion Ratio Lower Upper
117 100
82 54.0 42.1 63.1
119 31.9 26.1 39.1



#65
Chlorobenzene
Concen: 12.97 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001202.D
Acq: 28 Apr 2018 05:40

Tgt Ion:112 Resp: 81359
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001202.D

Acq: 28 Apr 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

LF001MW003-180419

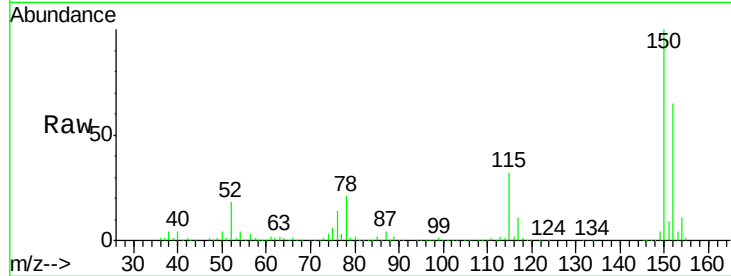
Tot Ion:152 Resp: 134444

Ion Ratio Lower Upper

152 100

115 52.2 38.0 114.0

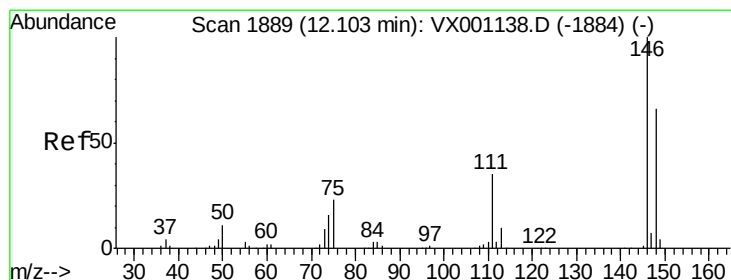
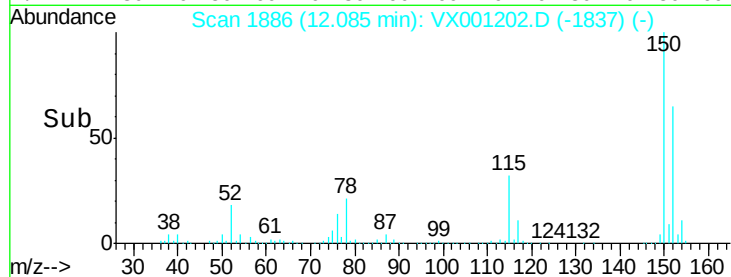
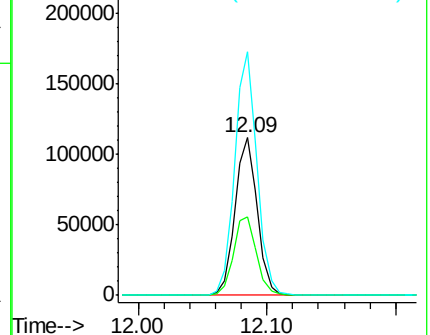
150 155.1 0.0 349.6



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



#88

1,4-Dichlorobenzene

Concen: 1.97 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001202.D

Acq: 28 Apr 2018 05:40

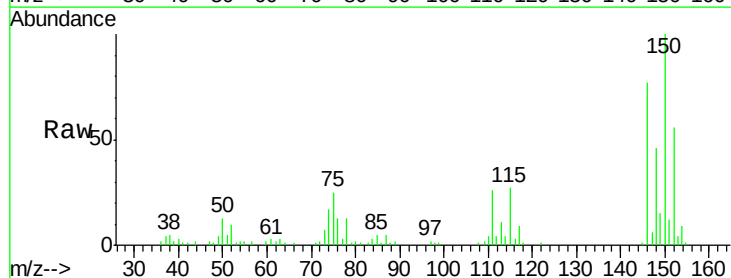
Tgt Ion:146 Resp: 9599

Ion Ratio Lower Upper

146 100

111 50.1 18.0 54.0

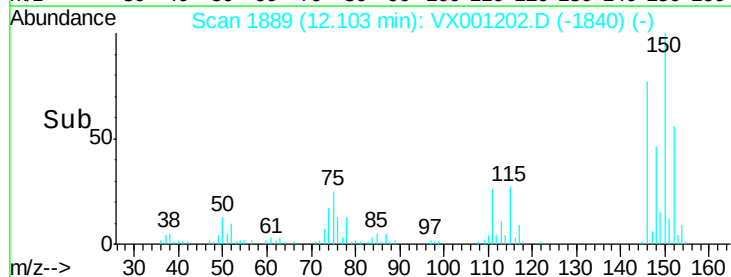
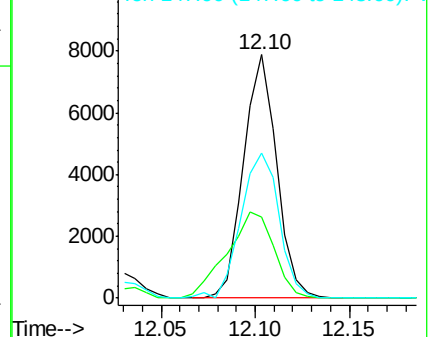
148 68.7 32.5 97.5

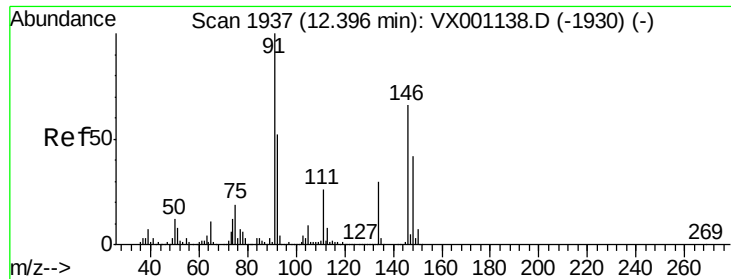


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

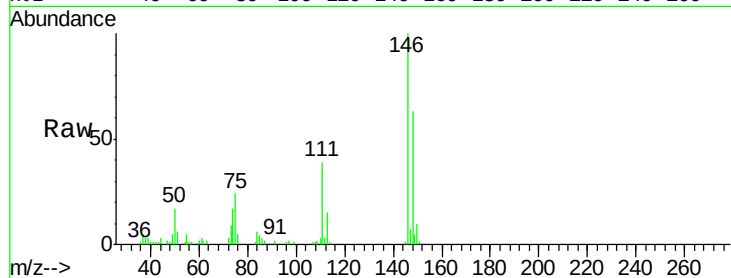




#91
 1,2-Dichlorobenzene
 Concen: 2.82 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001202.D
 Acq: 28 Apr 2018 05:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW003-180419

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	62.6	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

