

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042418\
 Data File : VX001104.D
 Acq On : 25 Apr 2018 03:51
 Operator : JC/MD
 Sample : J2463-15 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW045-180416

Quant Time: Apr 25 08:25:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	300543	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165605	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	145656	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
35) Dibromofluoromethane	5.51	113	107753	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	8.72	98	425132	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.14	95	155571	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

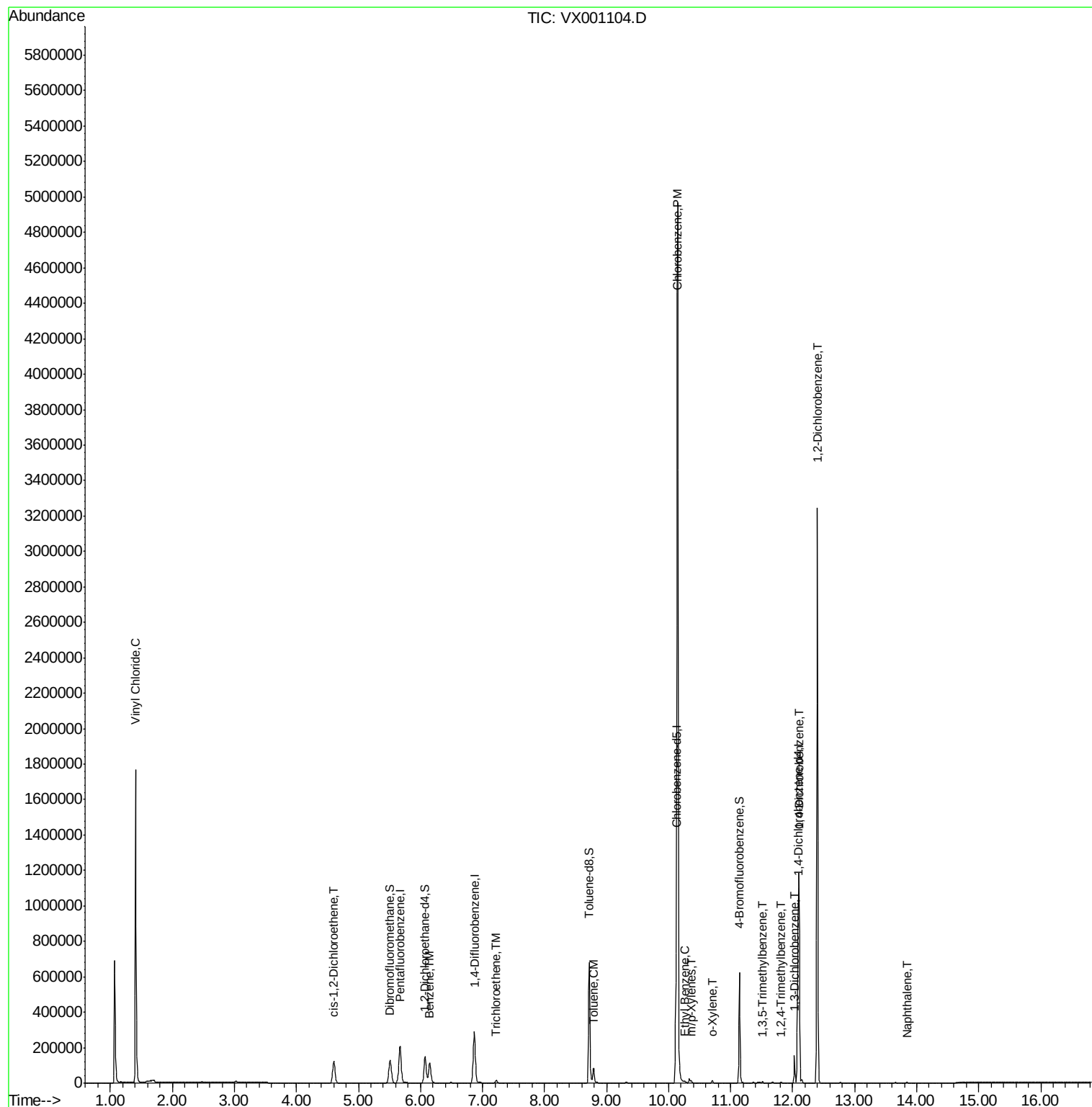
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	1190421	454.95	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	78558	29.74	ug/l	89
40) Benzene	6.15	78	133756	13.62	ug/l	100
44) Trichloroethene	7.22	130	5547	1.85	ug/l	92
52) Toluene	8.79	92	29728	4.64	ug/l	99
65) Chlorobenzene	10.15	112	2210602	299.46	ug/l	98
67) Ethyl Benzene	10.26	91	4555	0.37	ug/l	99
68) m/p-Xylenes	10.37	106	2805	0.58	ug/l	97
69) o-Xylene	10.71	106	3375	0.72	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2899	0.32	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	2733	0.29	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	49610	8.43	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	368559	61.03	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	1064099	186.83	ug/l	99
95) Naphthalene	13.84	128	2694	0.23	ug/l	98

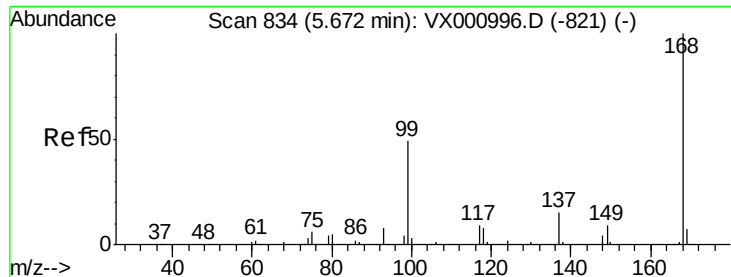
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001104.D

Acq: 25 Apr 2018 03:51

Instrument :

MSVOA_X

ClientSampleId :

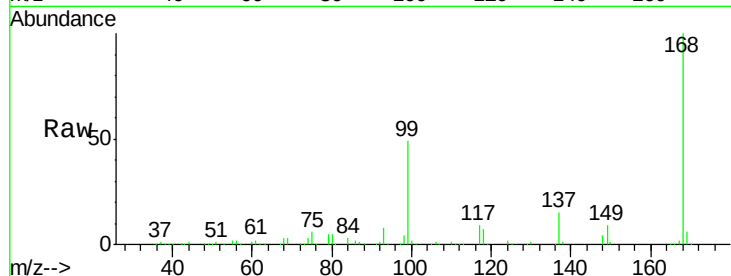
LF015MW045-180416

Tot Ion:168 Resp: 218610

Ion Ratio Lower Upper

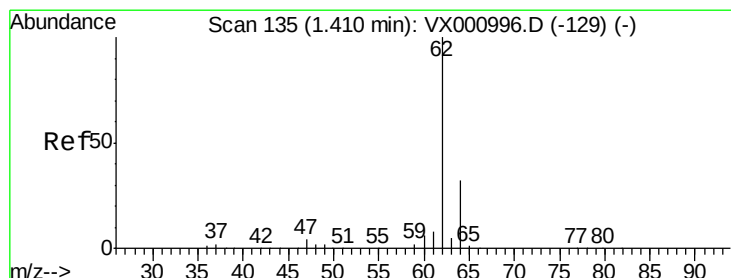
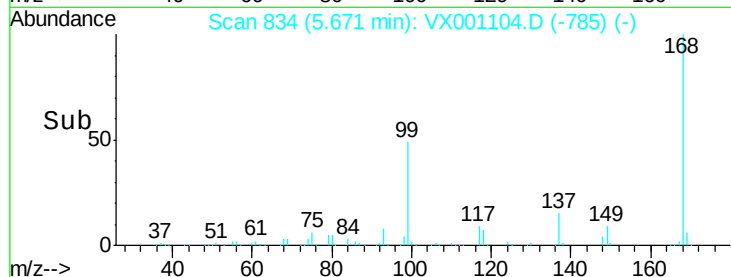
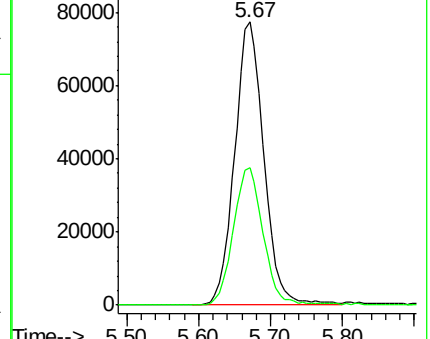
168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 454.95 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX001104.D

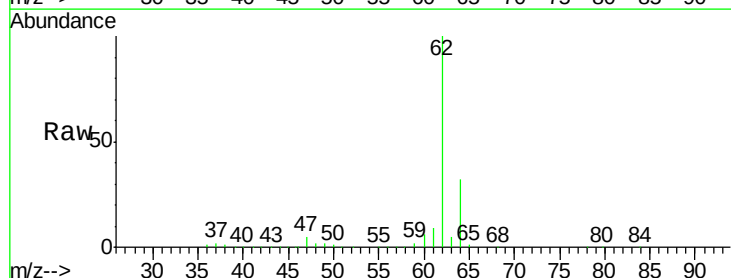
Acq: 25 Apr 2018 03:51

Tgt Ion: 62 Resp: 1190421

Ion Ratio Lower Upper

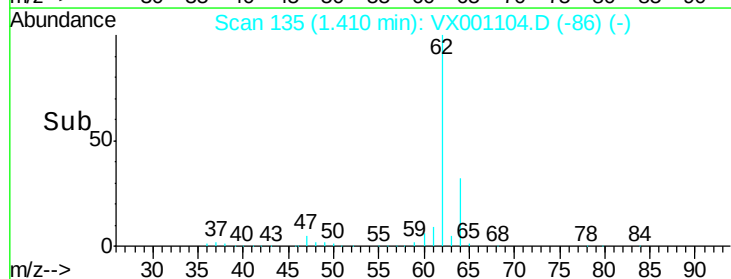
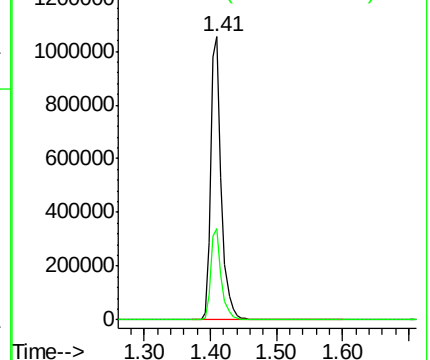
62 100

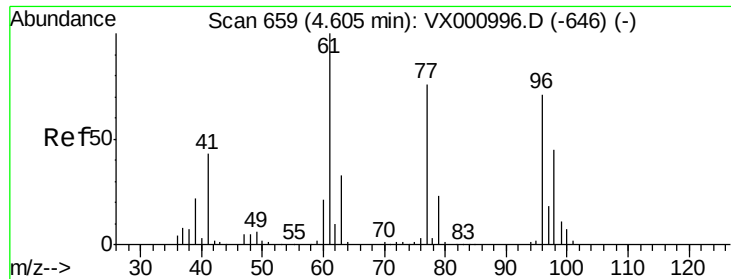
64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



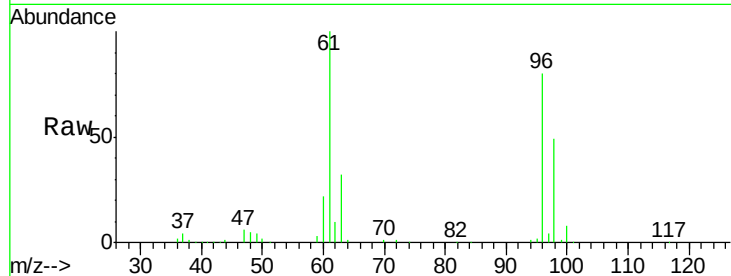


#27

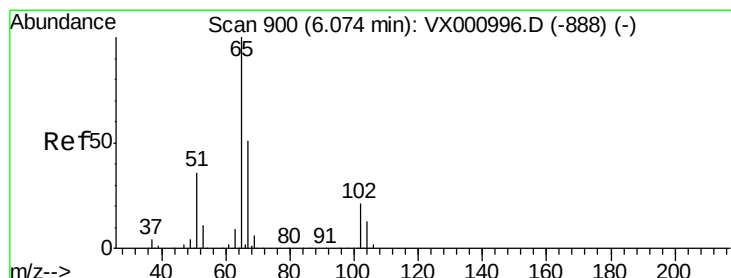
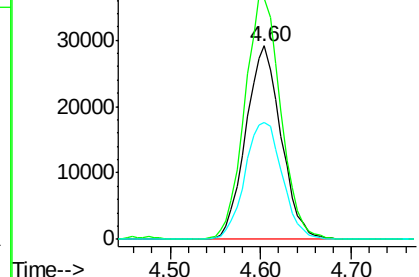
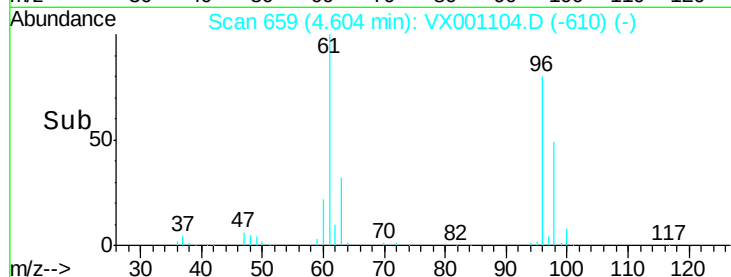
cis-1,2-Dichloroethene
Concen: 29.74 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001104.D
Acq: 25 Apr 2018 03:51

Instrument :
MSVOA_X
ClientSampleId :
LF015MW045-180416

Tot Ion: 96 Resp: 78558
Ion Ratio Lower Upper
96 100
61 129.1 0.0 297.0
98 63.8 0.0 130.0



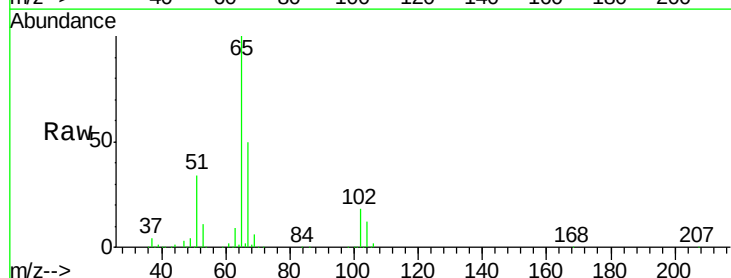
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



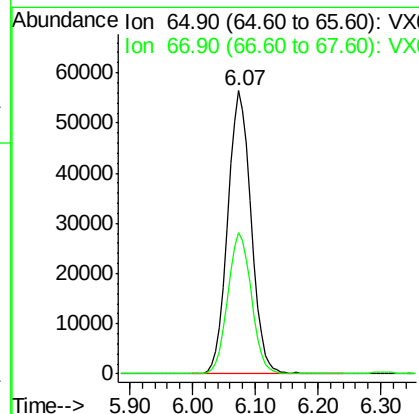
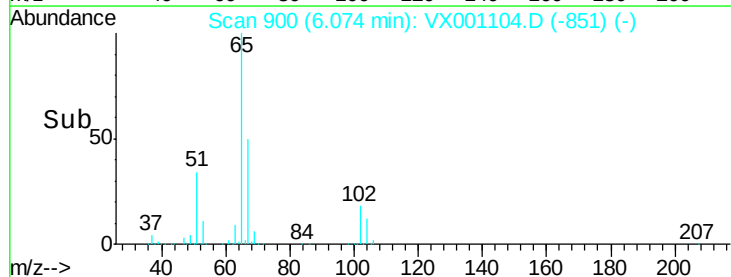
#33

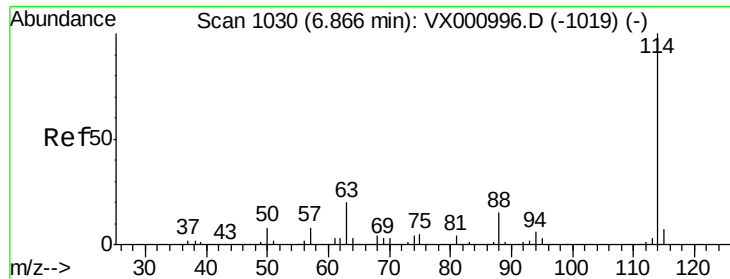
1,2-Dichloroethane-d4
Concen: 52.56 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001104.D
Acq: 25 Apr 2018 03:51

Tgt Ion: 65 Resp: 145656
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

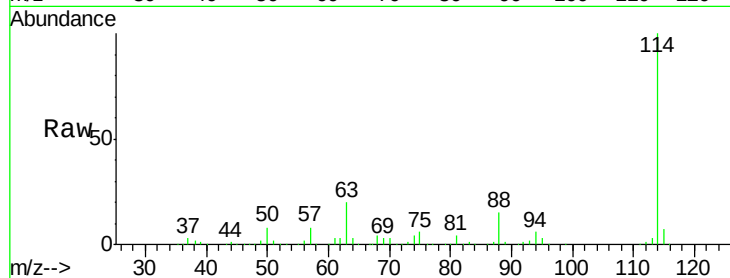




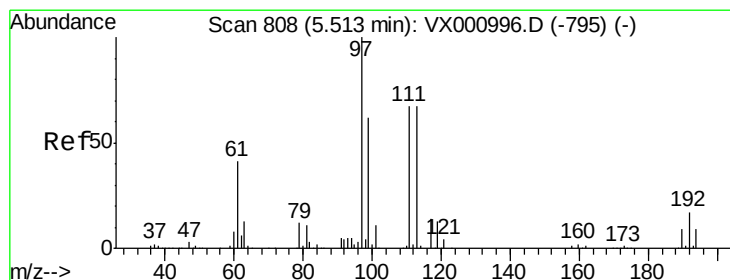
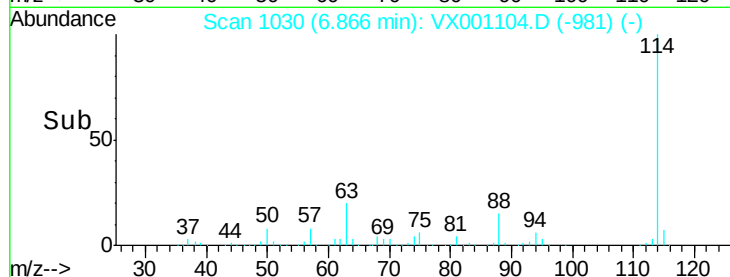
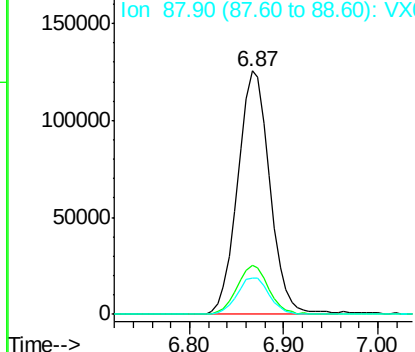
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001104.D
 Acq: 25 Apr 2018 03:51

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW045-180416

Tot Ion:114 Resp: 300543
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 14.8 0.0 29.8

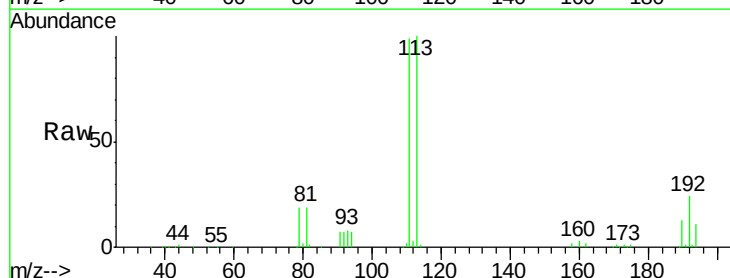


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

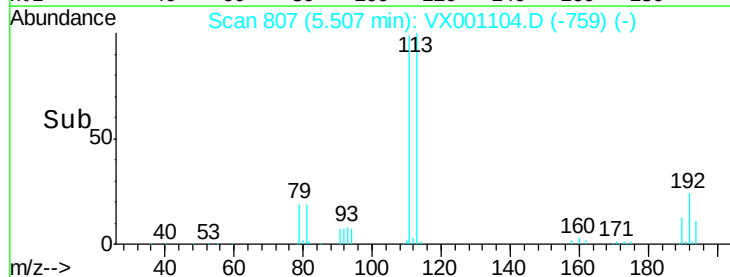
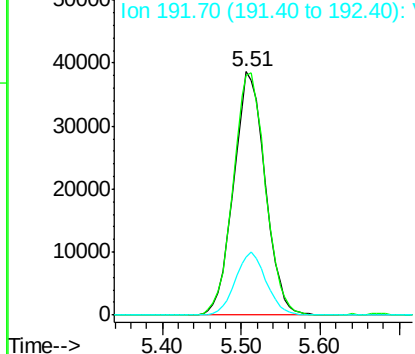


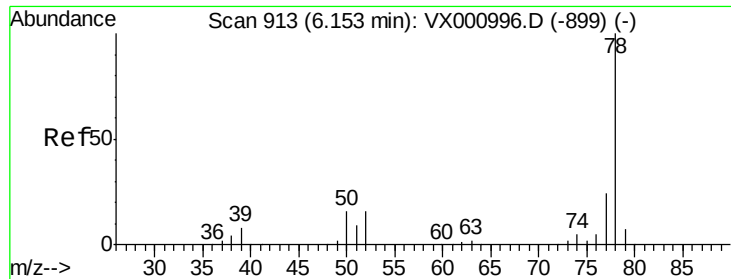
#35
 Dibromofluoromethane
 Concen: 47.02 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001104.D
 Acq: 25 Apr 2018 03:51

Tgt Ion:113 Resp: 107753
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.4 122.2
 192 25.3 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





#40

Benzene

Concen: 13.62 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX001104.D

Acq: 25 Apr 2018 03:51

Instrument :

MSVOA_X

ClientSampleId :

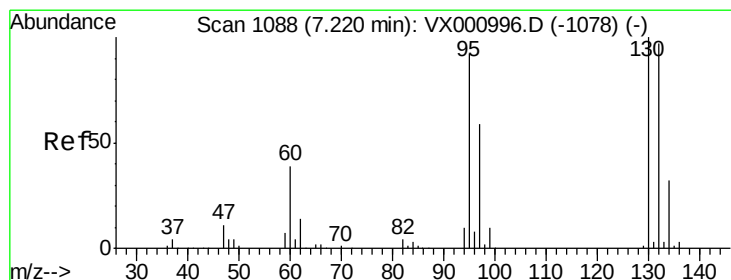
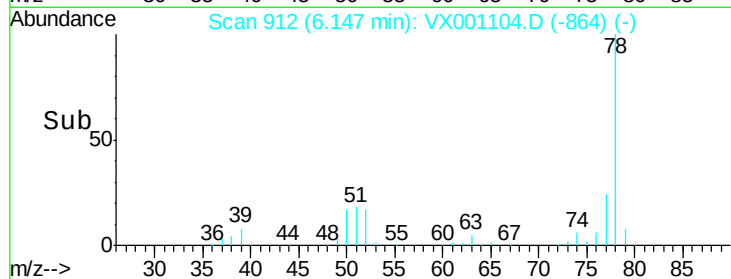
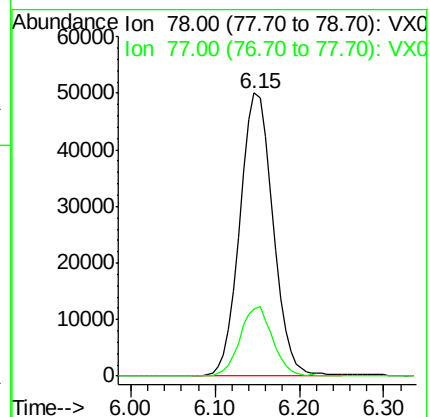
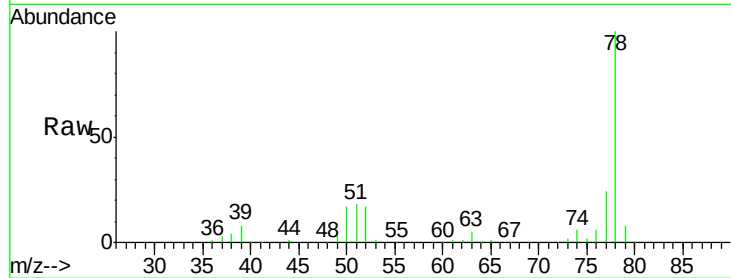
LF015MW045-180416

Tot Ion: 78 Resp: 133756

Ion Ratio Lower Upper

78 100

77 23.6 18.9 28.3



#44

Trichloroethene

Concen: 1.85 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001104.D

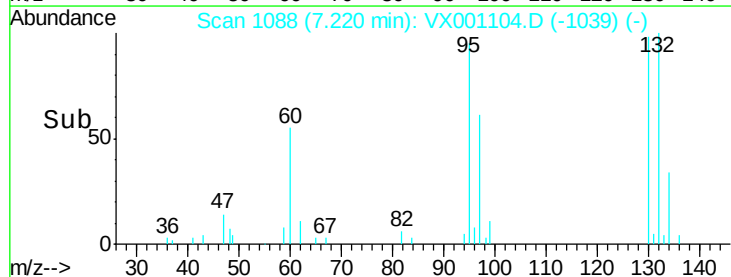
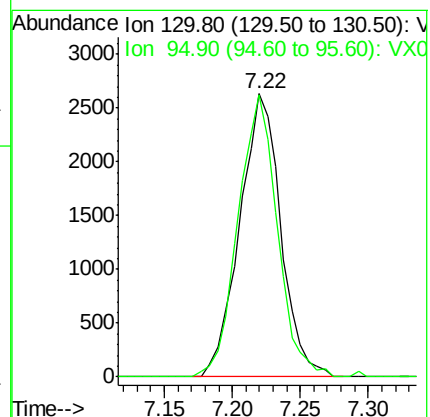
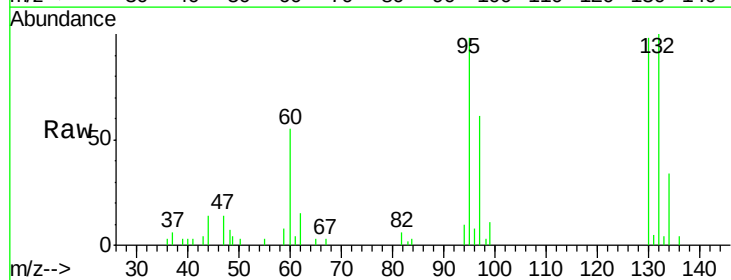
Acq: 25 Apr 2018 03:51

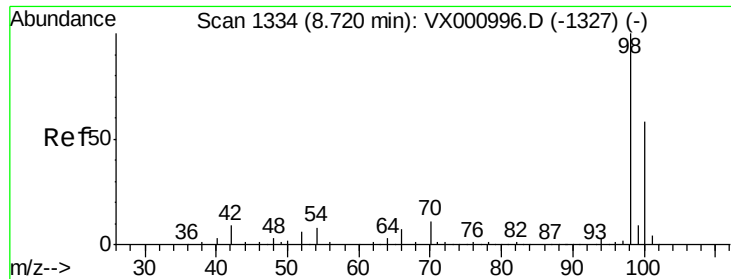
Tgt Ion: 130 Resp: 5547

Ion Ratio Lower Upper

130 100

95 99.7 0.0 184.2





#50

Toluene-d8

Concen: 50.17 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001104.D

Acq: 25 Apr 2018 03:51

Instrument :

MSVOA_X

ClientSampleId :

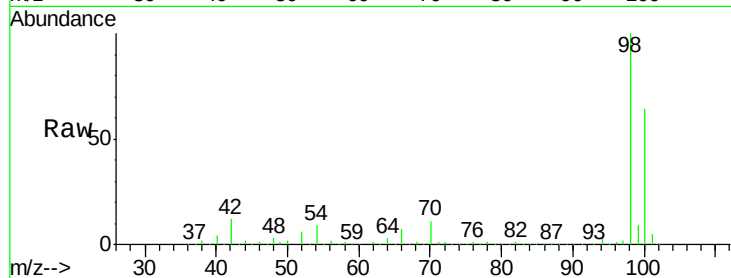
LF015MW045-180416

Tot Ion: 98 Resp: 425132

Ion Ratio Lower Upper

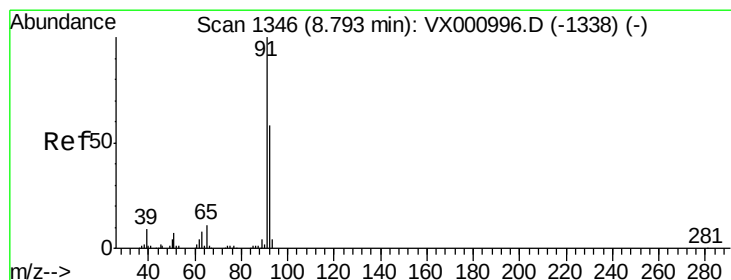
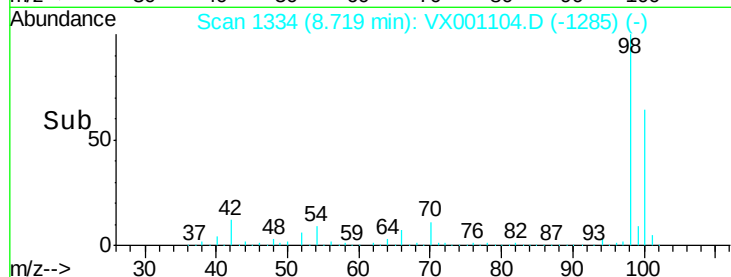
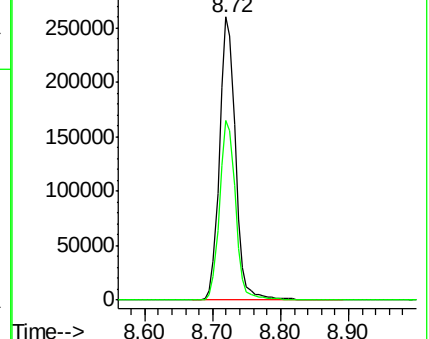
98 100

100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 4.64 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001104.D

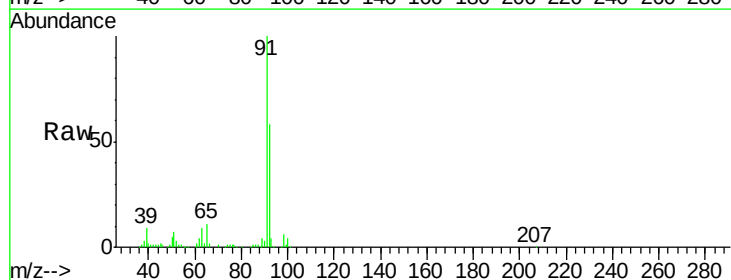
Acq: 25 Apr 2018 03:51

Tgt Ion: 92 Resp: 29728

Ion Ratio Lower Upper

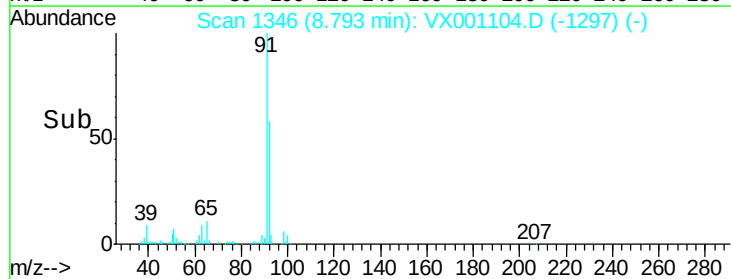
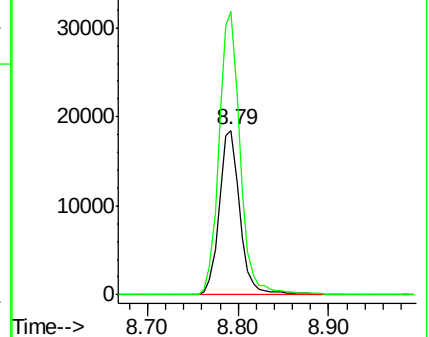
92 100

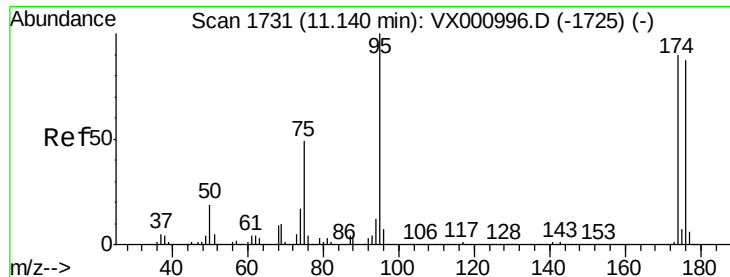
91 174.4 138.2 207.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

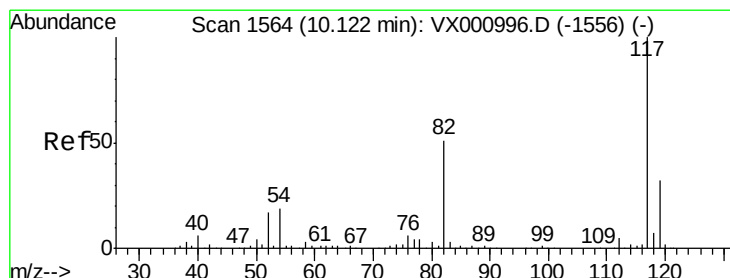
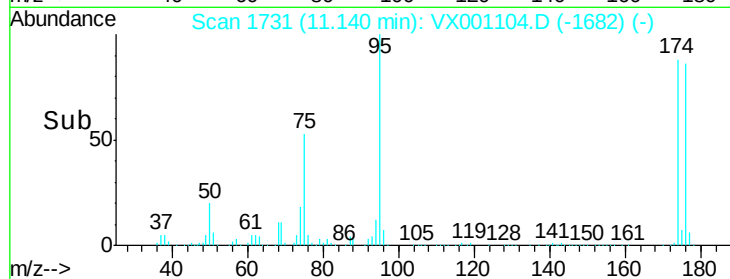
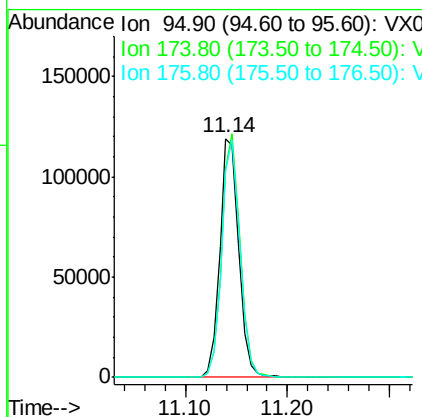
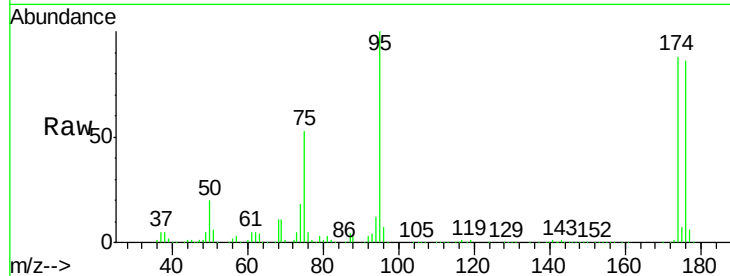




#62
4-Bromofluorobenzene
Concen: 43.74 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001104.D
Acq: 25 Apr 2018 03:51

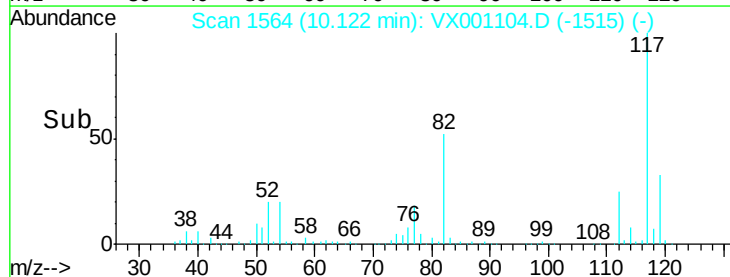
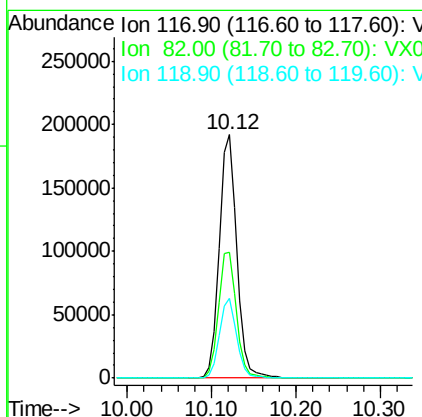
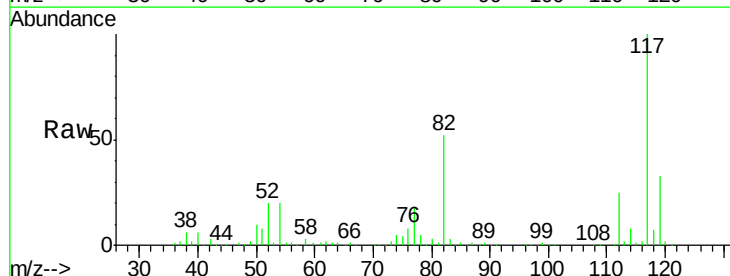
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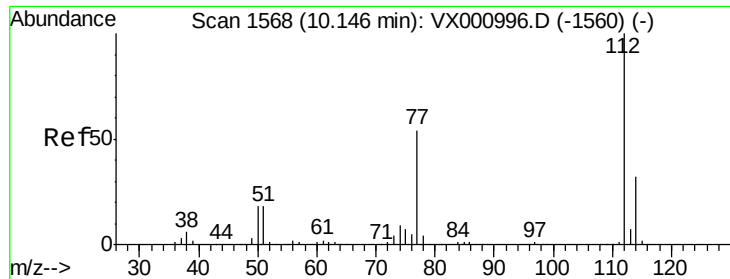
Tot Ion: 95 Resp: 155571
Ion Ratio Lower Upper
95 100
174 98.3 0.0 198.4
176 95.6 0.0 192.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001104.D
Acq: 25 Apr 2018 03:51

Tgt Ion: 117 Resp: 277231
Ion Ratio Lower Upper
117 100
82 51.7 40.6 60.8
119 32.7 26.0 39.0

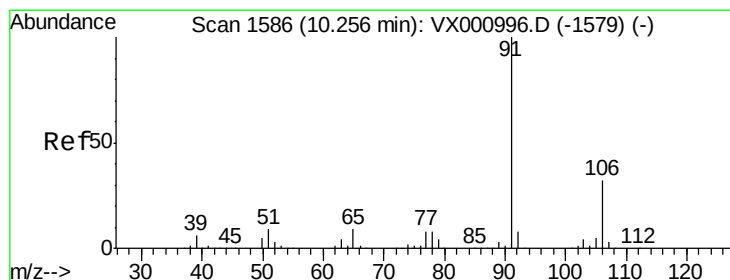
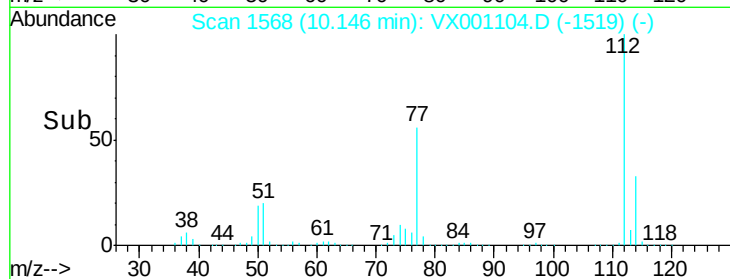
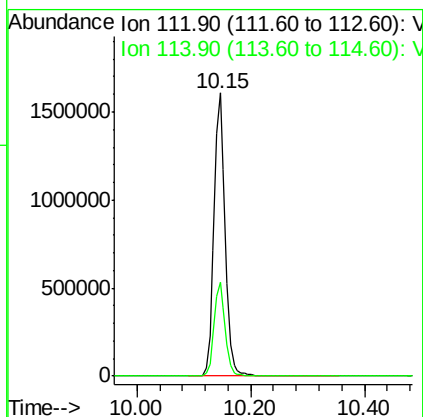
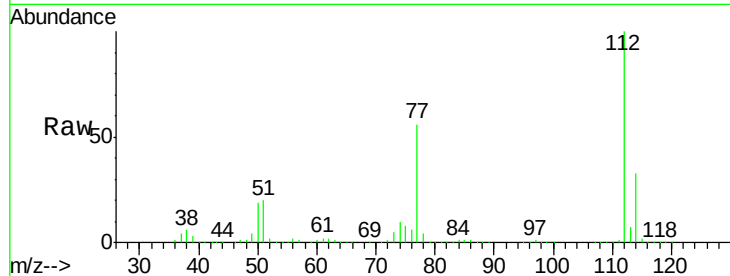




#65
Chlorobenzene
Concen: 299.46 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001104.D
Acq: 25 Apr 2018 03:51

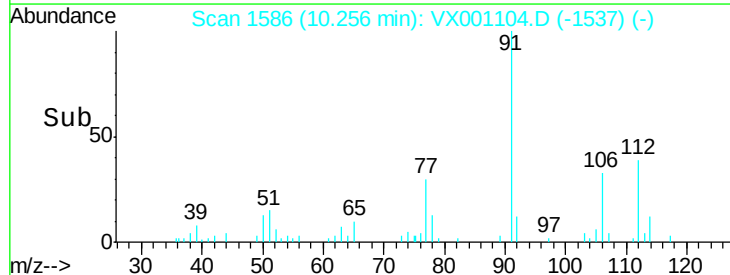
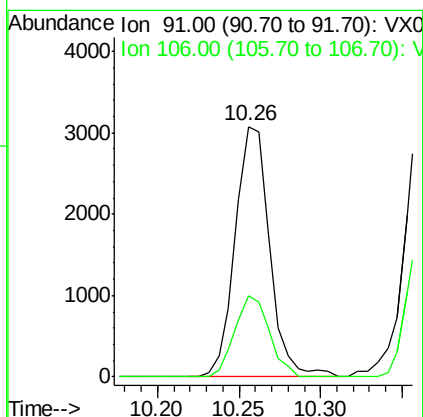
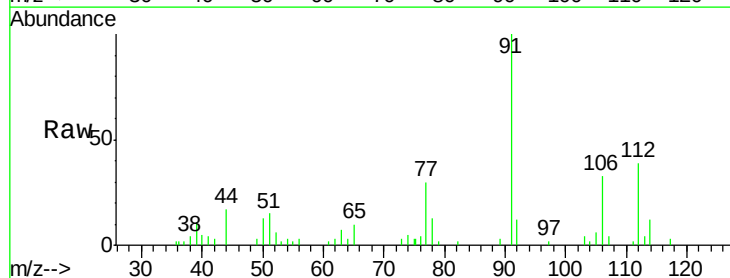
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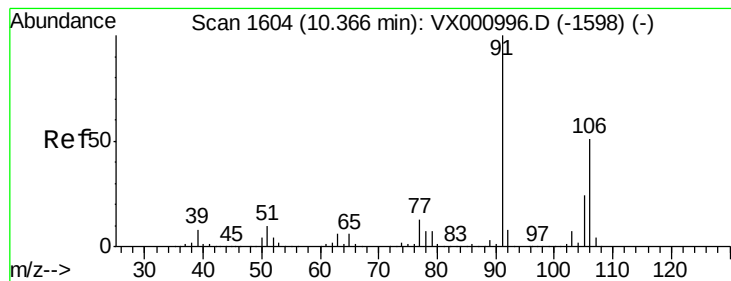
Tot Ion:112 Resp: 2210602
Ion Ratio Lower Upper
112 100
114 33.0 25.5 38.3



#67
Ethyl Benzene
Concen: 0.37 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001104.D
Acq: 25 Apr 2018 03:51

Tgt Ion: 91 Resp: 4555
Ion Ratio Lower Upper
91 100
106 32.6 25.7 38.5





#68

m/p-Xylenes

Concen: 0.58 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001104.D

Acq: 25 Apr 2018 03:51

Instrument :

MSVOA_X

ClientSampleId :

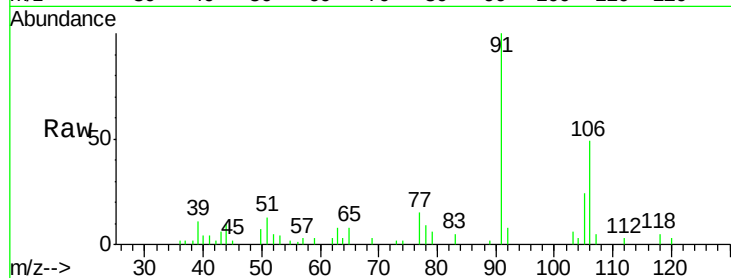
LF015MW045-180416

Tot Ion:106 Resp: 2805

Ion Ratio Lower Upper

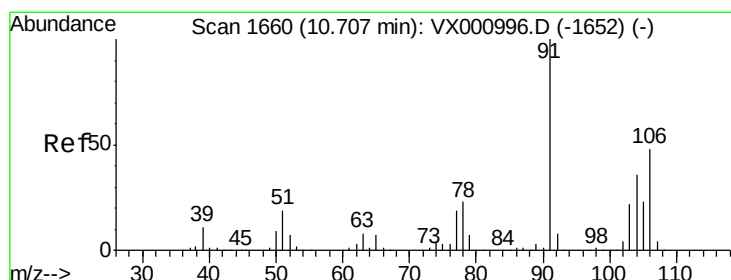
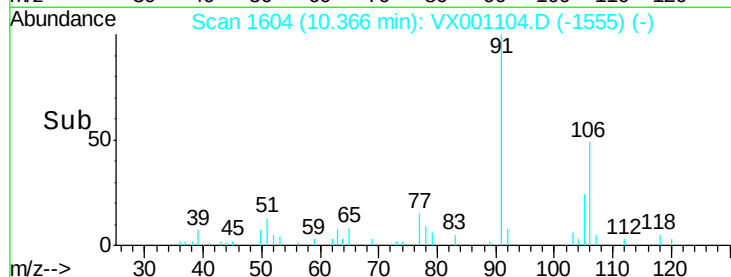
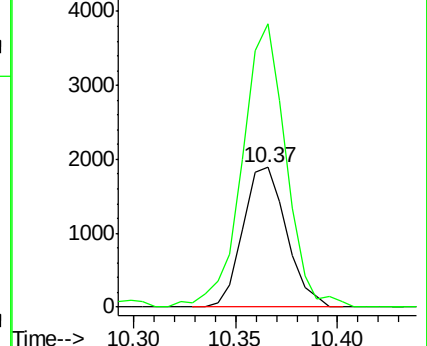
106 100

91 203.1 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.72 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VX001104.D

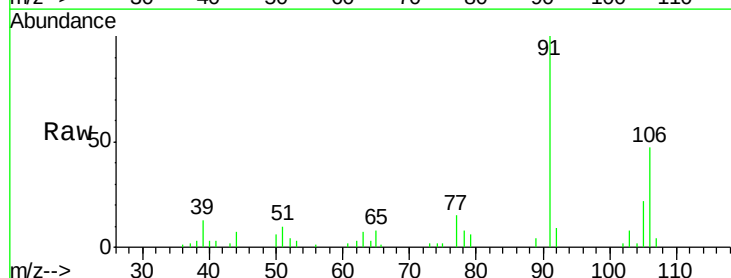
Acq: 25 Apr 2018 03:51

Tgt Ion:106 Resp: 3375

Ion Ratio Lower Upper

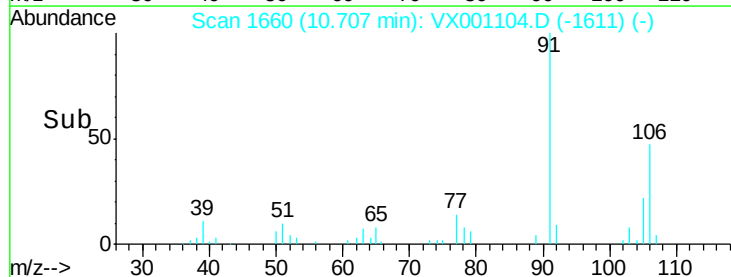
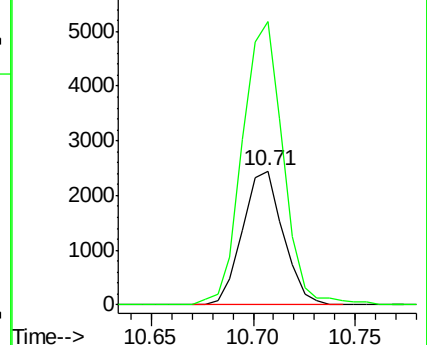
106 100

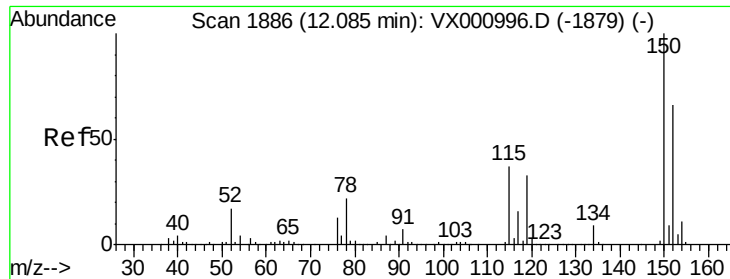
91 212.3 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001104.D

Acq: 25 Apr 2018 03:51

Instrument :

MSVOA_X

ClientSampleId :

LF015MW045-180416

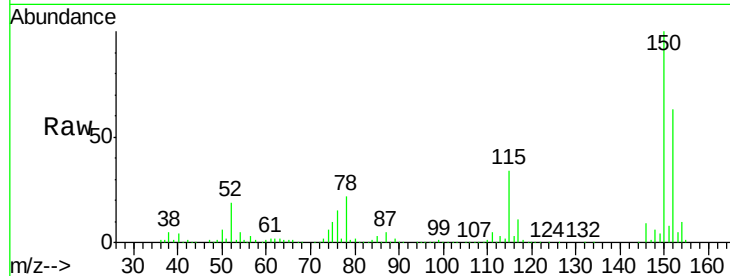
Tot Ion:152 Resp: 165605

Ion Ratio Lower Upper

152 100

115 53.2 38.2 114.6

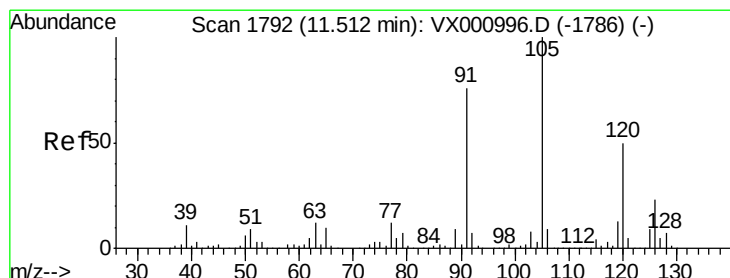
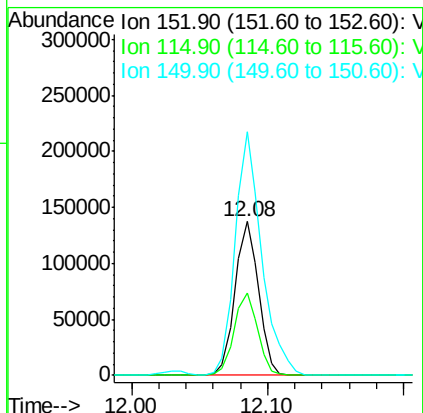
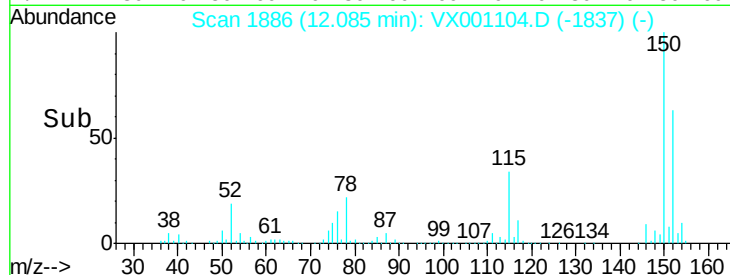
150 178.3 0.0 350.4



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



#80

1,3,5-Trimethylbenzene

Concen: 0.32 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001104.D

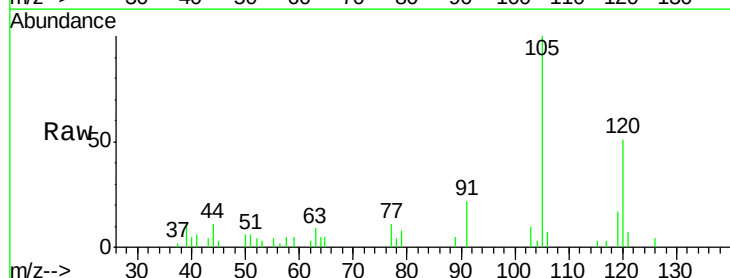
Acq: 25 Apr 2018 03:51

Tgt Ion:105 Resp: 2899

Ion Ratio Lower Upper

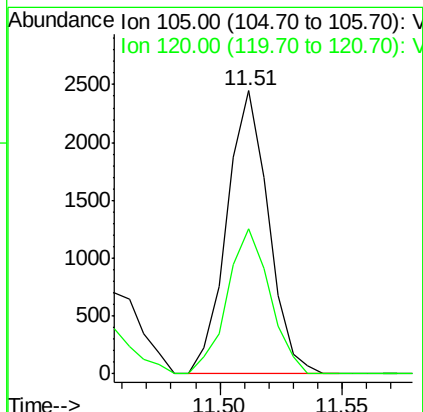
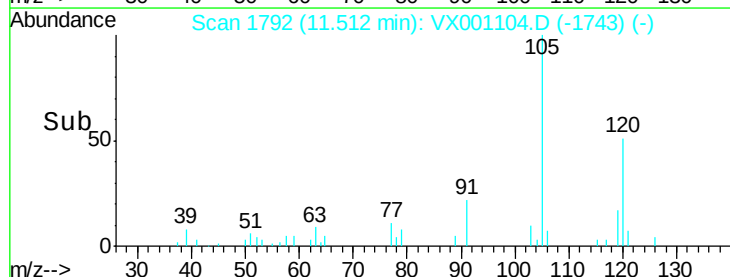
105 100

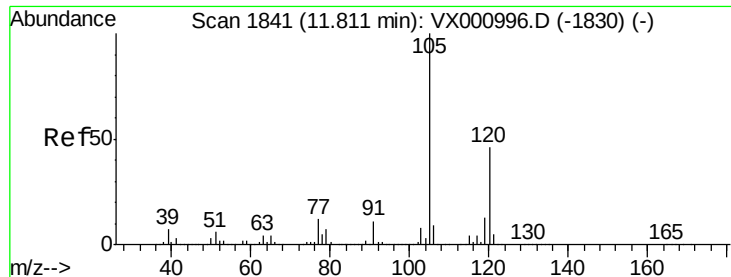
120 52.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 0.29 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX001104.D

Acq: 25 Apr 2018 03:51

Instrument :

MSVOA_X

ClientSampleId :

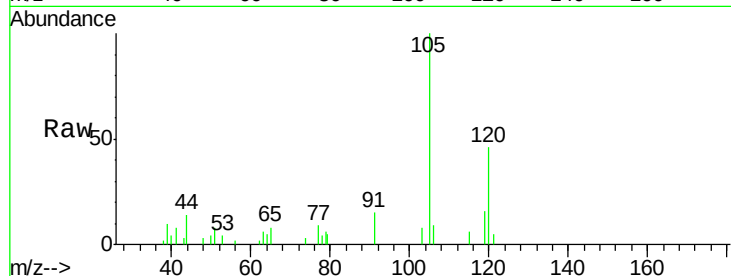
LF015MW045-180416

Tot Ion:105 Resp: 2733

Ion Ratio Lower Upper

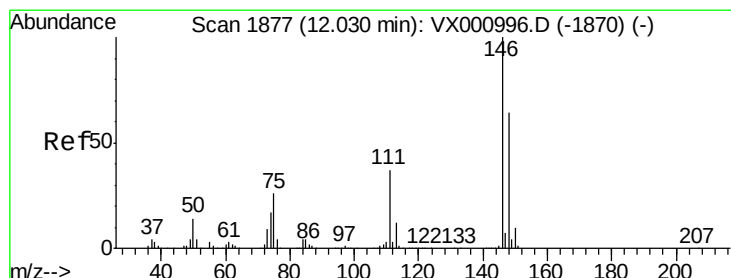
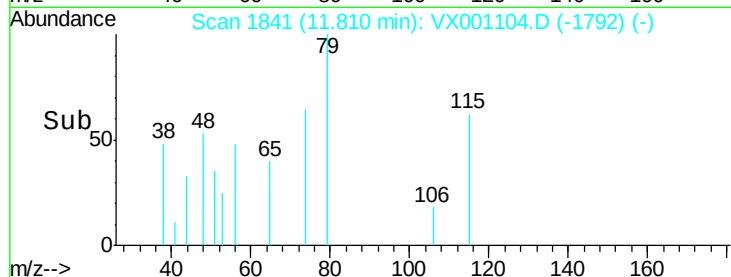
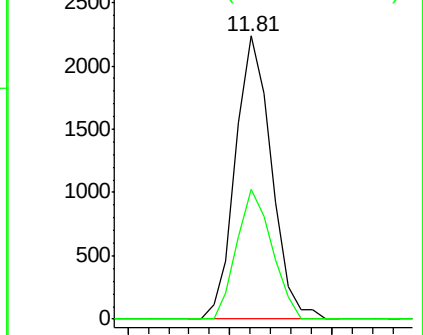
105 100

120 44.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#87

1,3-Dichlorobenzene

Concen: 8.43 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001104.D

Acq: 25 Apr 2018 03:51

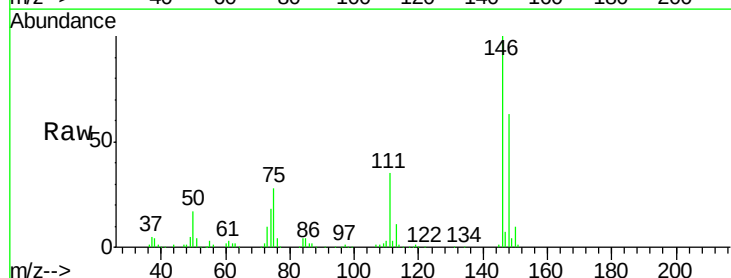
Tgt Ion:146 Resp: 49610

Ion Ratio Lower Upper

146 100

111 35.8 18.3 54.8

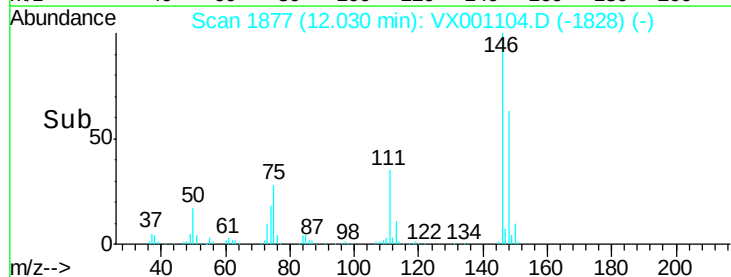
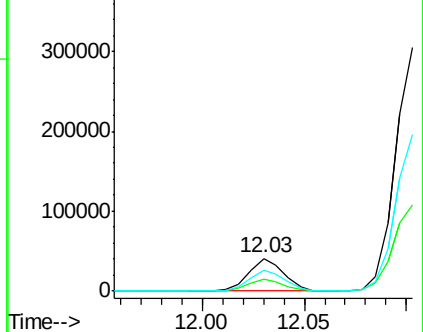
148 63.7 32.2 96.6

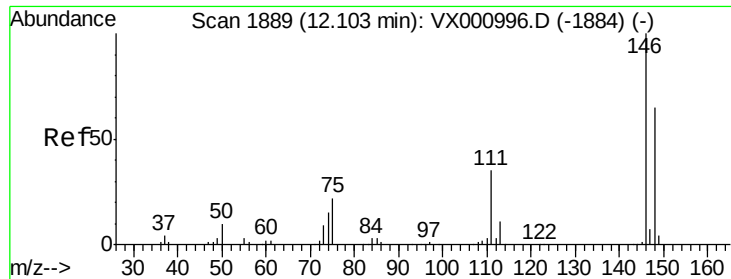


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

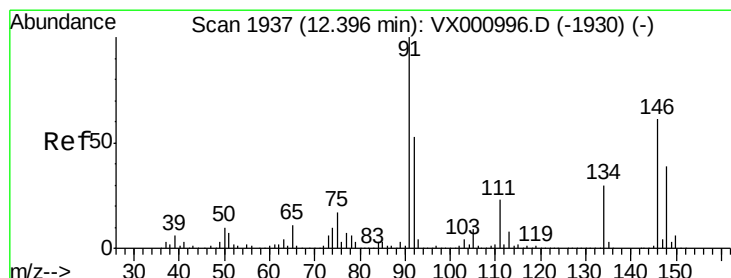
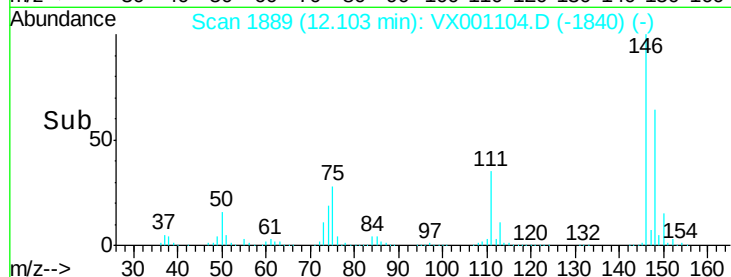
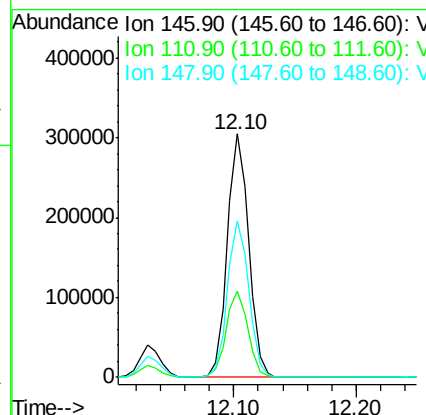
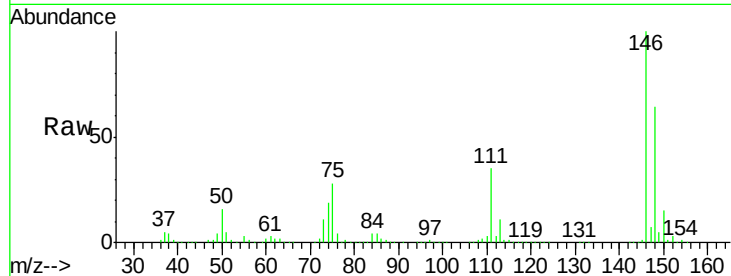




#88
 1,4-Dichlorobenzene
 Concen: 61.03 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001104.D
 Acq: 25 Apr 2018 03:51

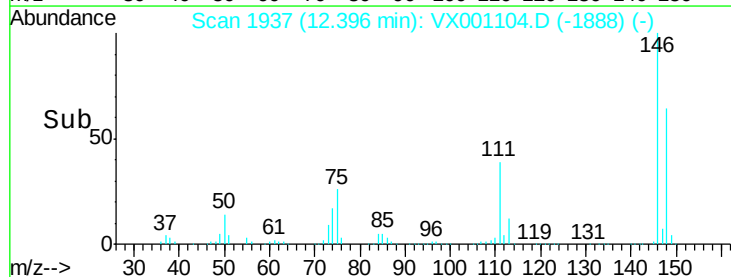
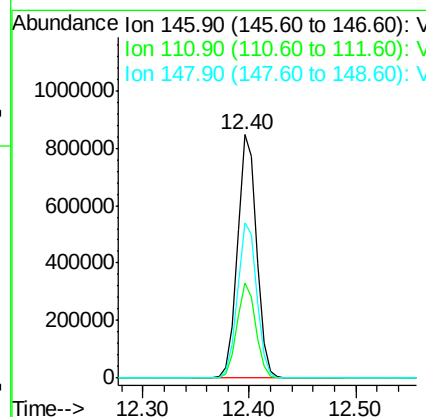
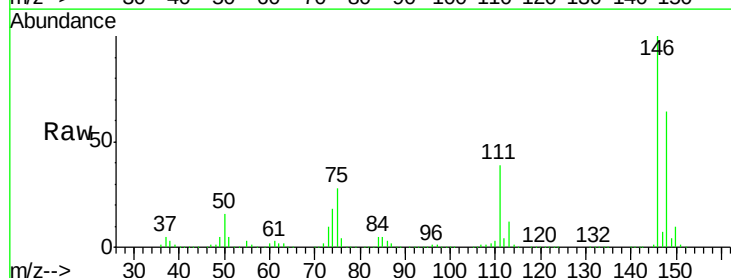
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW045-180416

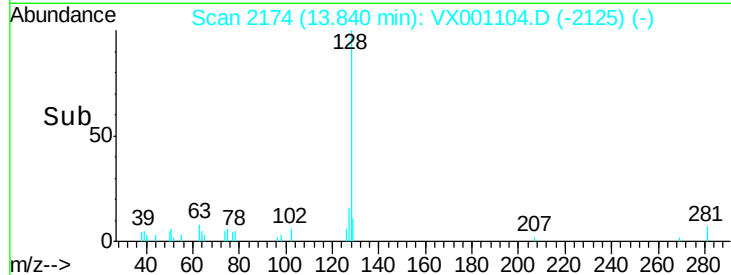
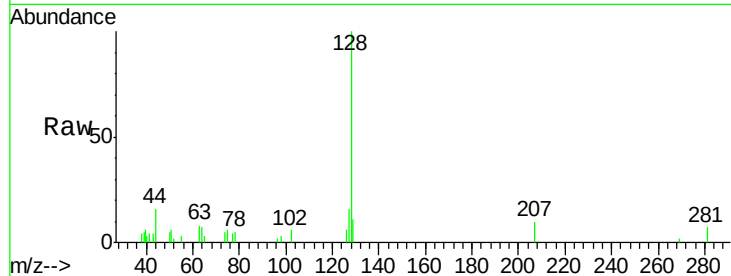
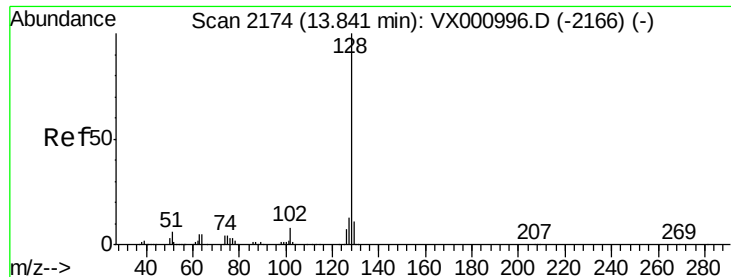
Tot Ion:146 Resp: 368559
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.0 54.0
 148 64.4 32.4 97.0



#91
 1,2-Dichlorobenzene
 Concen: 186.83 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001104.D
 Acq: 25 Apr 2018 03:51

Tgt Ion:146 Resp: 1064099
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.6 56.0
 148 64.5 32.3 96.8





#95

Naphthalene

Concen: 0.23 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001104.D

Acq: 25 Apr 2018 03:51

Instrument :

MSVOA_X

ClientSampleId :

LF015MW045-180416

Tot Ion:128 Resp: 2694

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

129 11.4 8.7 13.1

