

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\
 Data File : VX001123.D
 Acq On : 25 Apr 2018 16:34
 Operator : JC/MD
 Sample : J2377-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW015-180412

Quant Time: Apr 26 04:57:56 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	245130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	340982	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	170398	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	181472	58.40	ug/l	0.00
Spiked Amount			Recovery	=	116.80%	
35) Dibromofluoromethane	5.51	113	137130	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
50) Toluene-d8	8.72	98	525259	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	
62) 4-Bromofluorobenzene	11.14	95	182300	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

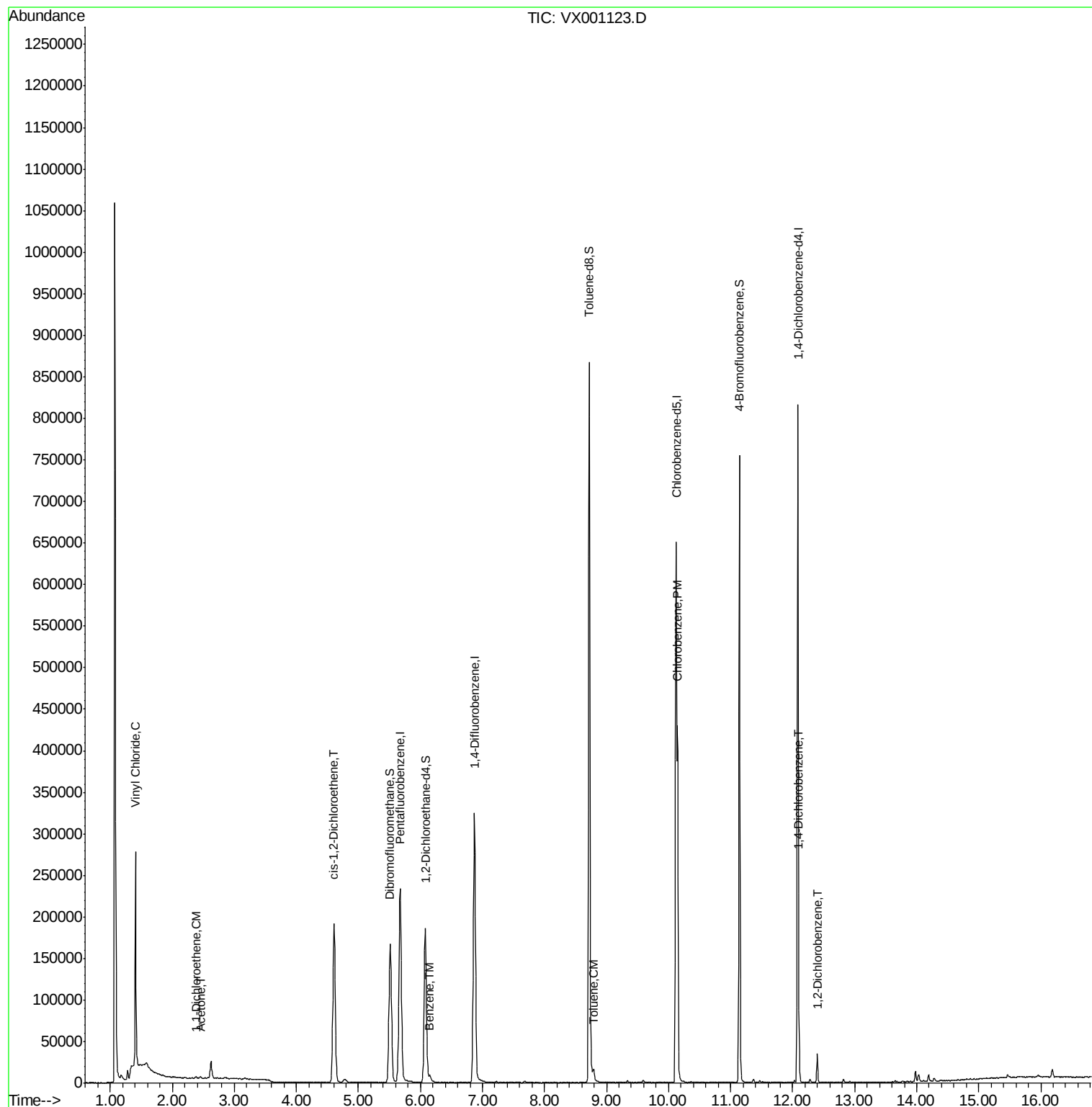
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	164148	55.95	ug/l	100
12) 1,1-Dichloroethene	2.39	96	595	0.25	ug/l	# 67
16) Acetone	2.45	43	2959	2.53	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	119636	40.39	ug/l	89
40) Benzene	6.15	78	9005	0.81	ug/l	97
52) Toluene	8.79	92	3821	0.53	ug/l	98
65) Chlorobenzene	10.15	112	176512	22.06	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	14091	2.27	ug/l	89
91) 1,2-Dichlorobenzene	12.40	146	10617	1.81	ug/l	99

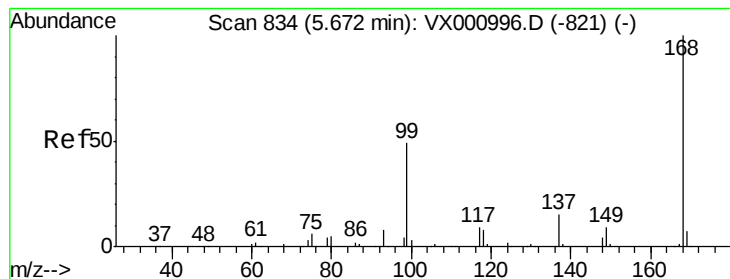
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Apr 26 04:57:56 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001123.D

Acq: 25 Apr 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

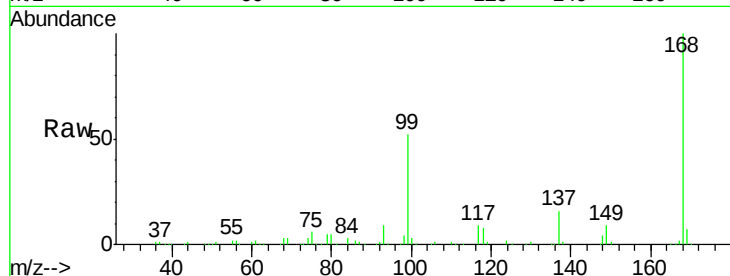
LF014MW015-180412

Tot Ion:168 Resp: 245130

Ion Ratio Lower Upper

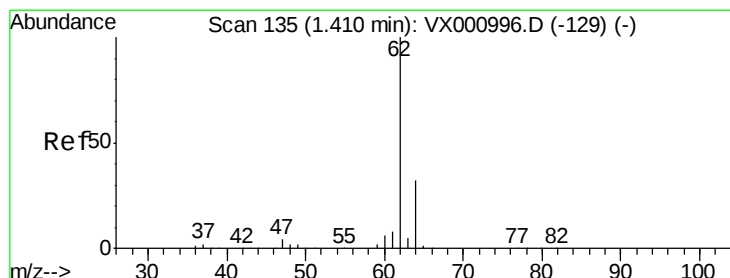
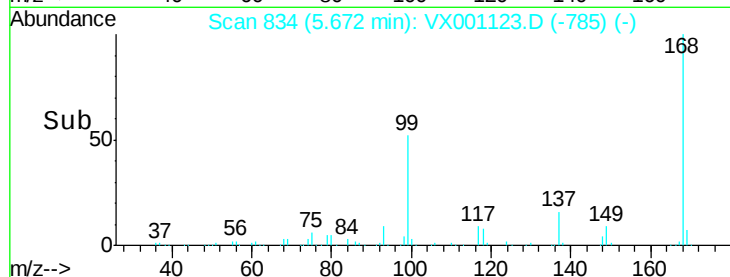
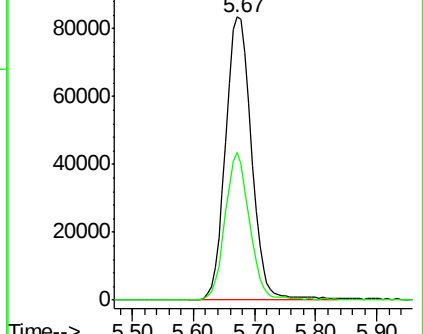
168 100

99 52.2 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: 55.95 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001123.D

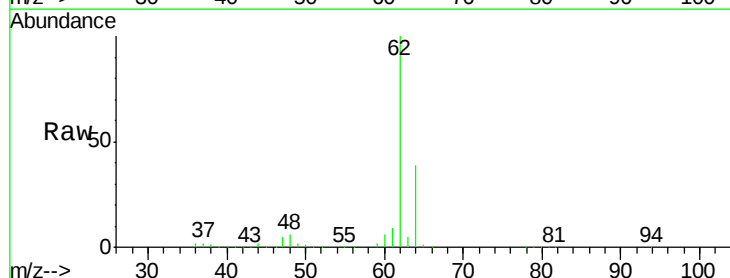
Acq: 25 Apr 2018 16:34

Tgt Ion: 62 Resp: 164148

Ion Ratio Lower Upper

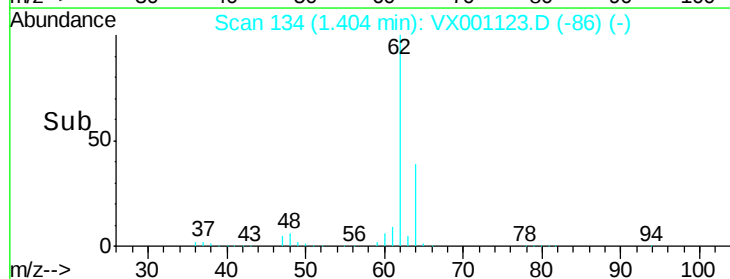
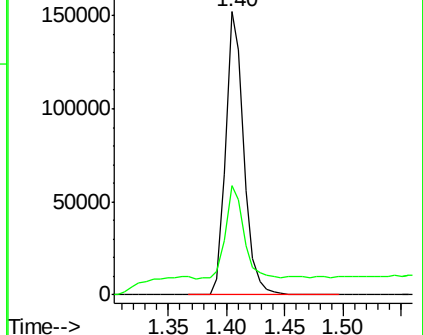
62 100

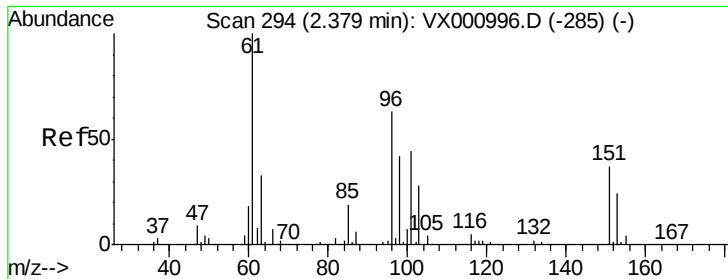
64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#12

1,1-Dichloroethene

Concen: 0.25 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001123.D

Acq: 25 Apr 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

LF014MW015-180412

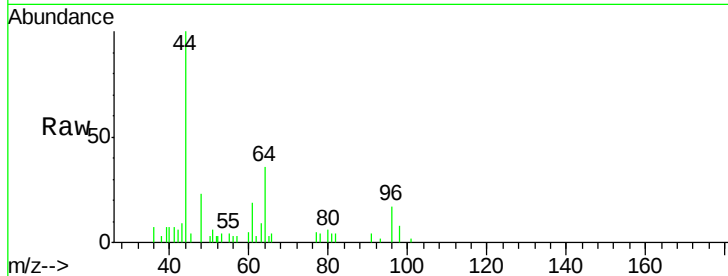
Tot Ion: 96 Resp: 595

Ion Ratio Lower Upper

96 100

61 109.8 126.4 189.6#

98 47.6 52.6 78.8#



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

Time-->

2.35 2.40

2.39

2.40

2.41

2.42

2.43

2.44

2.45

2.46

2.47

2.48

2.49

2.50

2.51

2.52

2.53

2.54

2.55

2.56

2.57

2.58

2.59

2.60

2.61

2.62

2.63

2.64

2.65

2.66

2.67

2.68

2.69

2.70

2.71

2.72

2.73

2.74

2.75

2.76

2.77

2.78

2.79

2.80

2.81

2.82

2.83

2.84

2.85

2.86

2.87

2.88

2.89

2.90

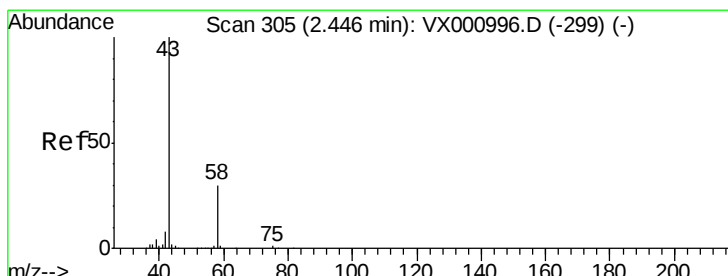
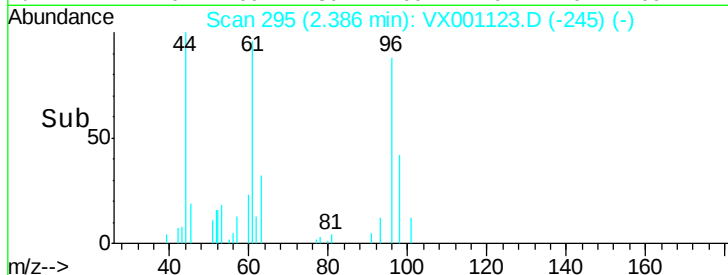
2.91

2.92

2.93

2.94

2.95



#16

Acetone

Concen: 2.53 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001123.D

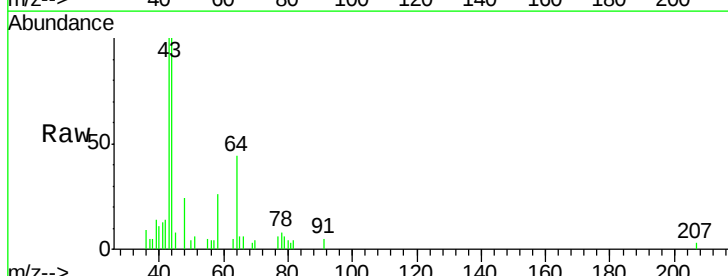
Acq: 25 Apr 2018 16:34

Tgt Ion: 43 Resp: 2959

Ion Ratio Lower Upper

43 100

58 28.4 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->

2.40 2.45 2.50

2.45

2.46

2.47

2.48

2.49

2.50

2.51

2.52

2.53

2.54

2.55

2.56

2.57

2.58

2.59

2.60

2.61

2.62

2.63

2.64

2.65

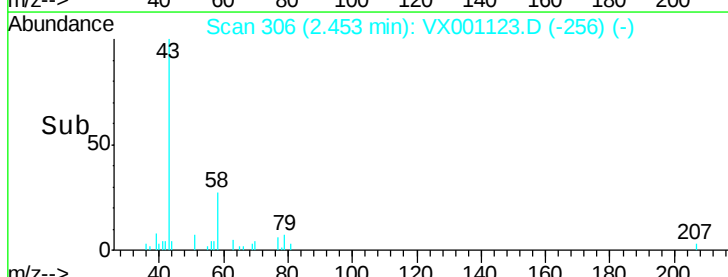
2.66

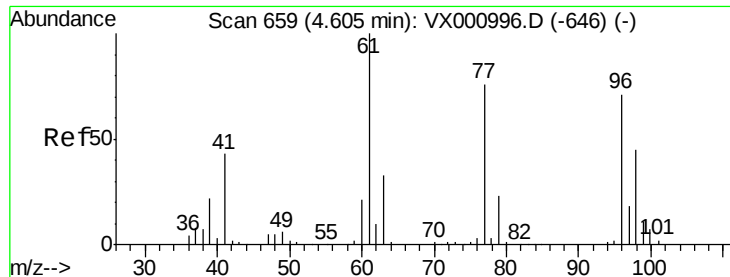
2.67

2.68

2.69

2.70



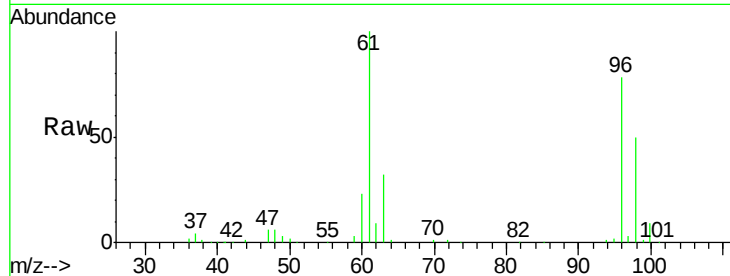


#27

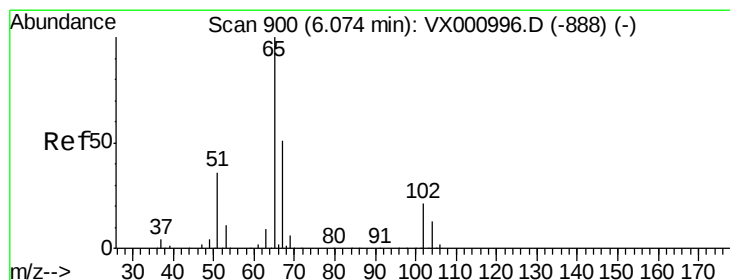
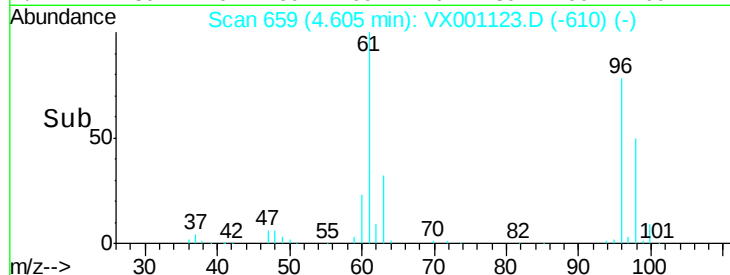
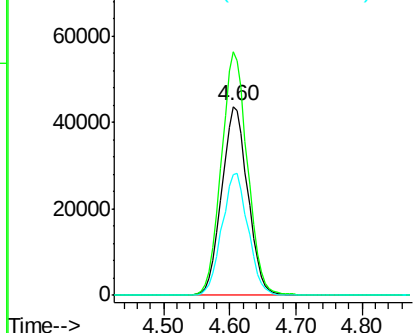
cis-1,2-Dichloroethene
Concen: 40.39 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001123.D
Acq: 25 Apr 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
LF014MW015-180412

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	0.0	297.0
98	64.9	0.0	130.0



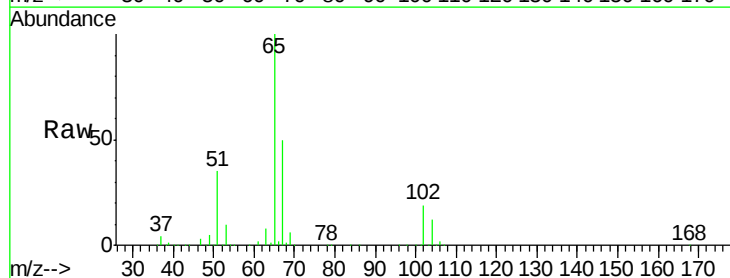
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



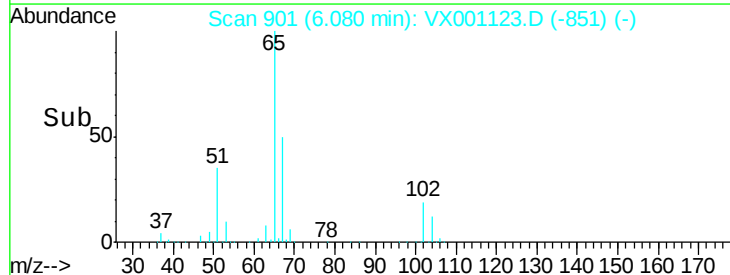
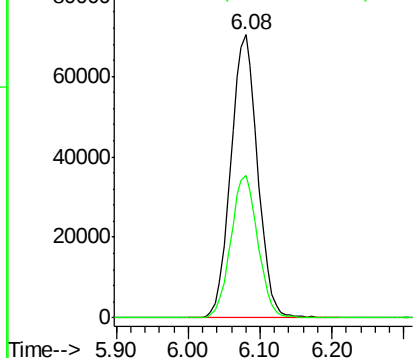
#33

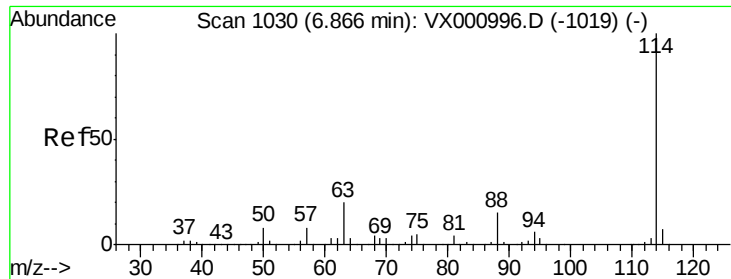
1,2-Dichloroethane-d4
Concen: 58.40 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX001123.D
Acq: 25 Apr 2018 16:34

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	102.6



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

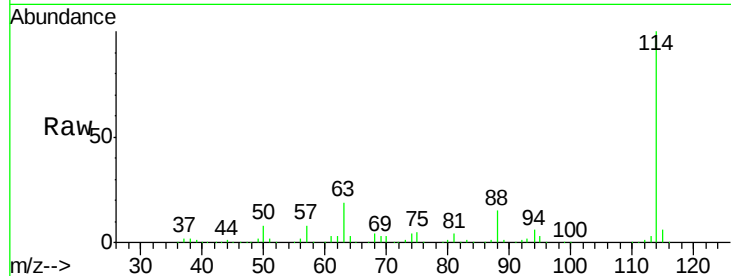




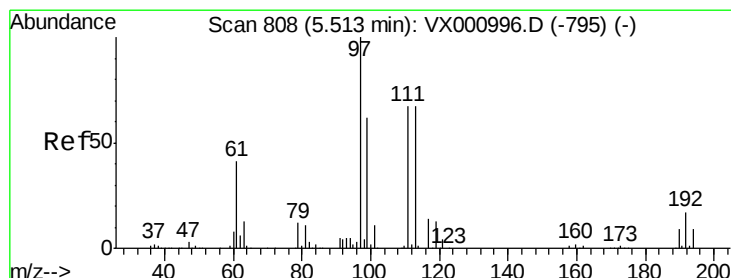
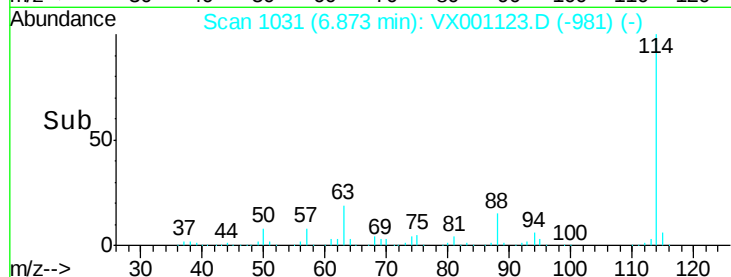
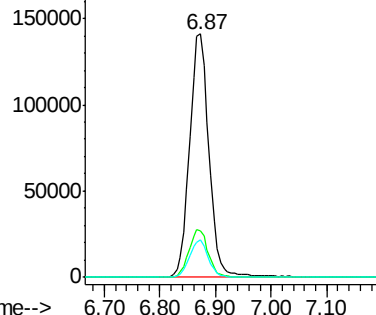
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001123.D
 Acq: 25 Apr 2018 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW015-180412

Tot Ion:114 Resp: 340982
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.4
 88 15.2 0.0 29.8

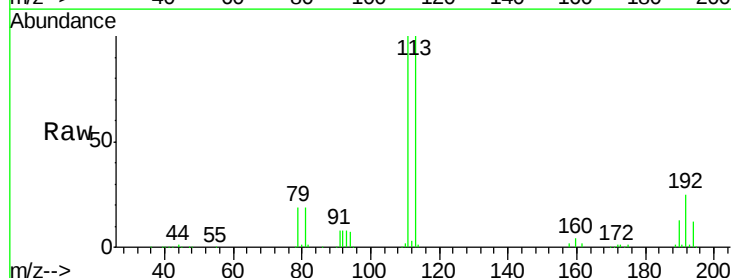


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

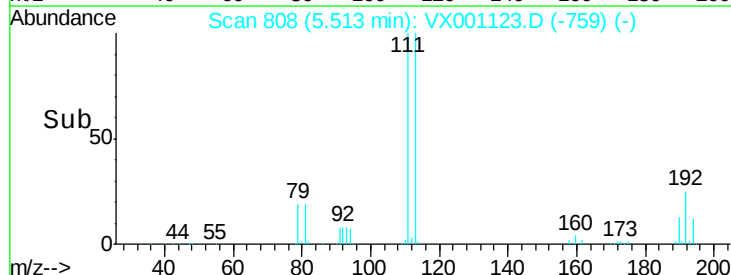
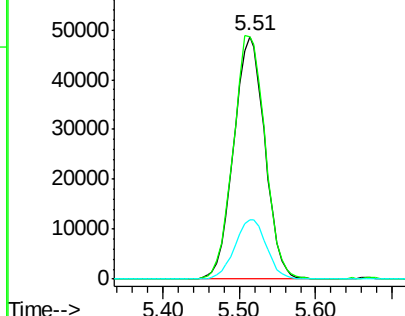


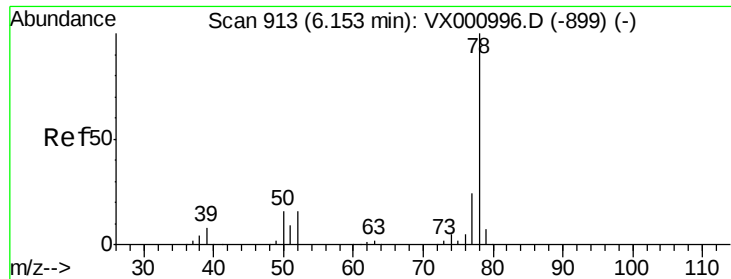
#35
 Dibromofluoromethane
 Concen: 52.74 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001123.D
 Acq: 25 Apr 2018 16:34

Tgt Ion:113 Resp: 137130
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.2
 192 25.0 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: 0.81 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX001123.D

Acq: 25 Apr 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

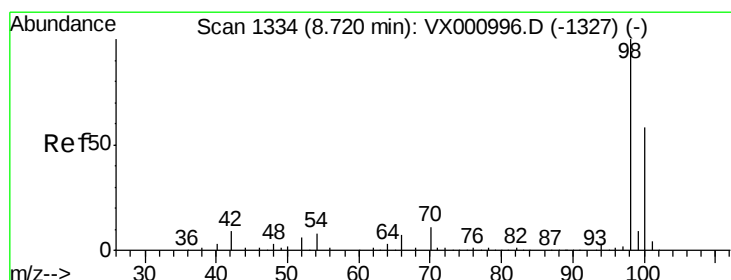
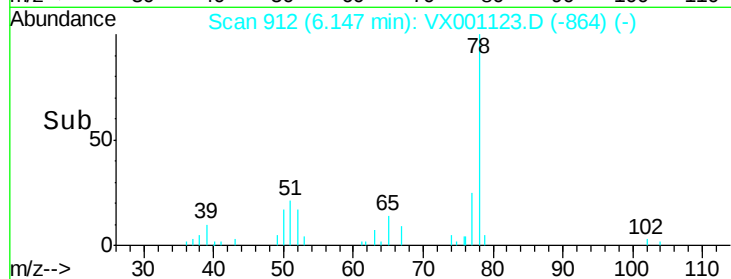
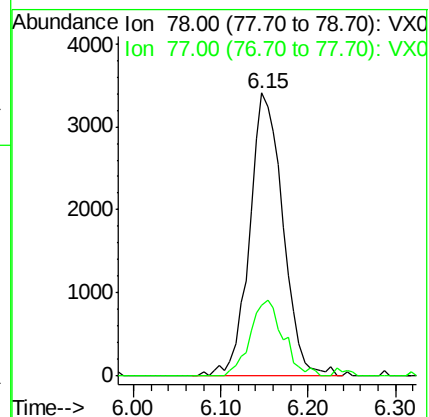
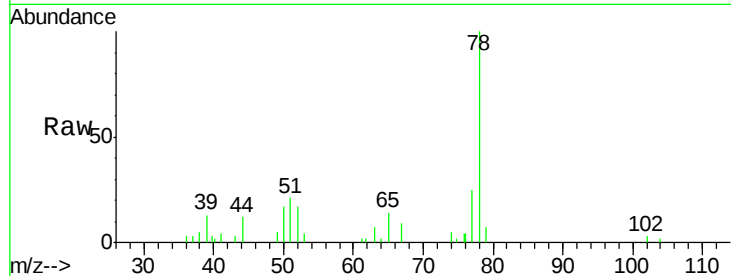
LF014MW015-180412

Tot Ion: 78 Resp: 9005

Ion Ratio Lower Upper

78 100

77 25.0 18.9 28.3



#50

Toluene-d8

Concen: 54.63 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001123.D

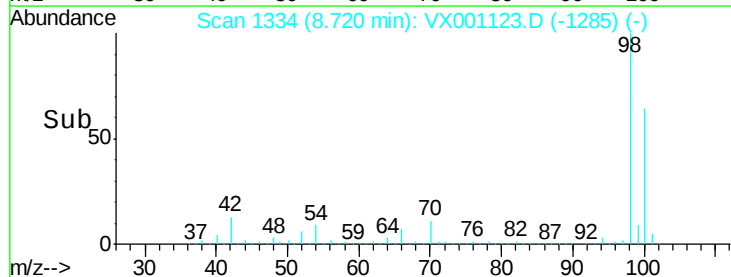
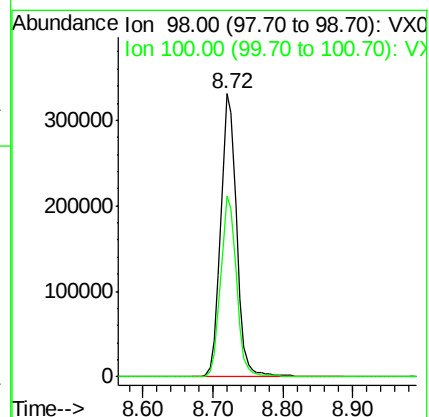
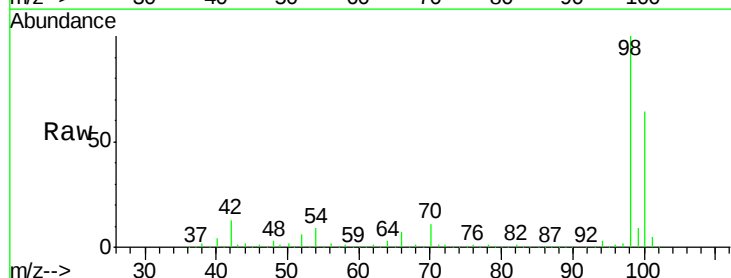
Acq: 25 Apr 2018 16:34

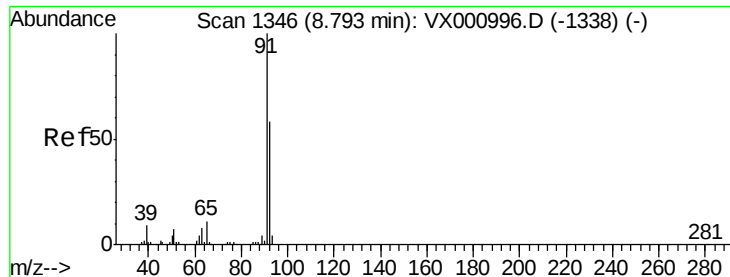
Tgt Ion: 98 Resp: 525259

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9





#52

Toluene

Concen: 0.53 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001123.D

Acq: 25 Apr 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

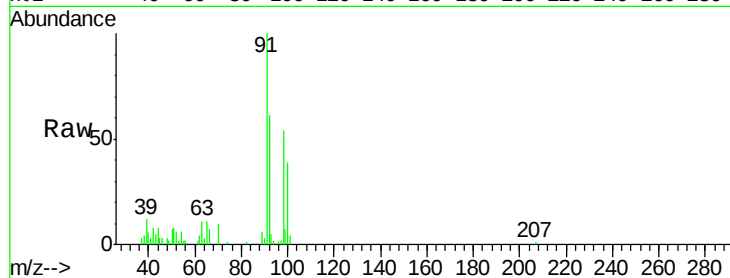
LF014MW015-180412

Tot Ion: 92 Resp: 3821

Ion Ratio Lower Upper

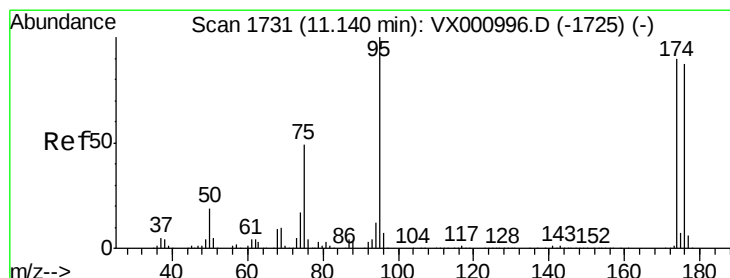
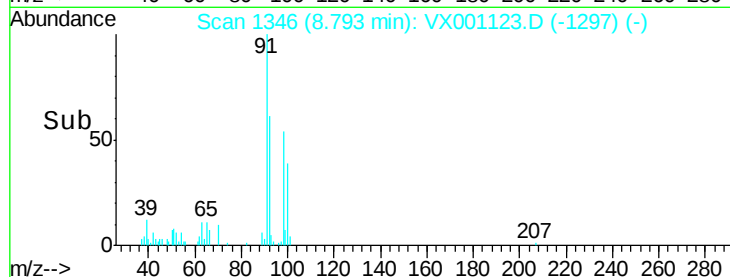
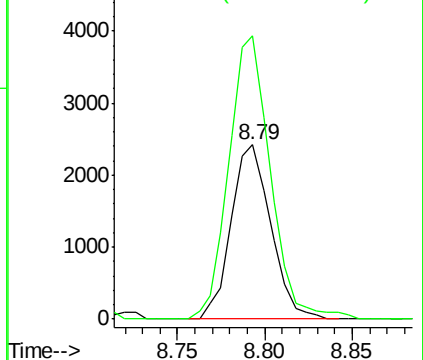
92 100

91 170.3 138.2 207.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001123.D

Acq: 25 Apr 2018 16:34

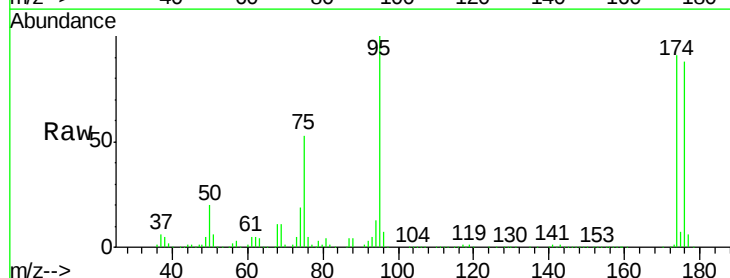
Tgt Ion: 95 Resp: 182300

Ion Ratio Lower Upper

95 100

174 97.7 0.0 198.4

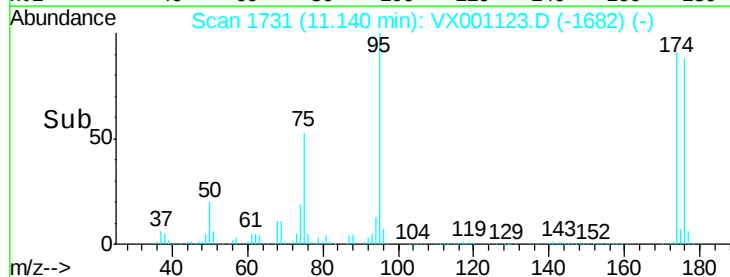
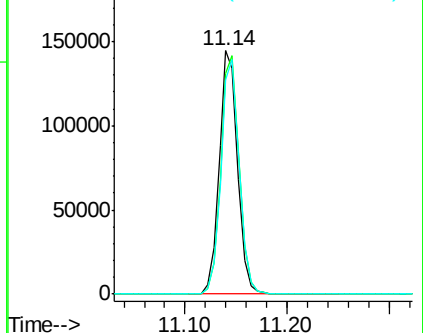
176 95.8 0.0 192.0

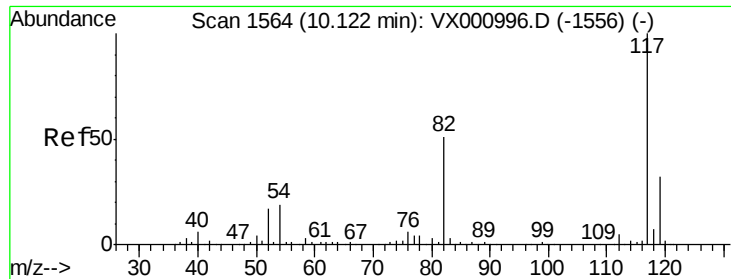


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

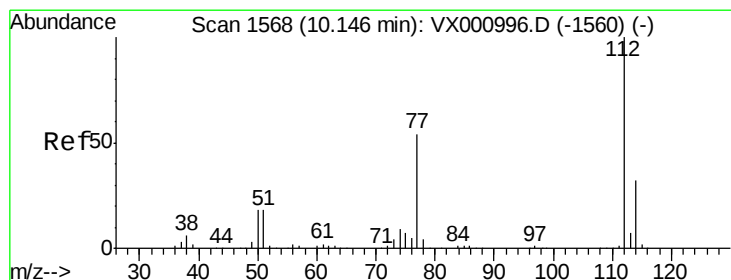
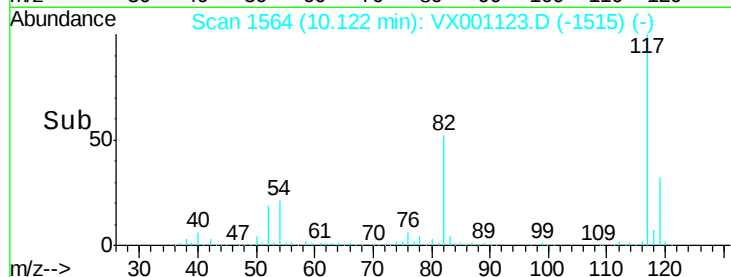
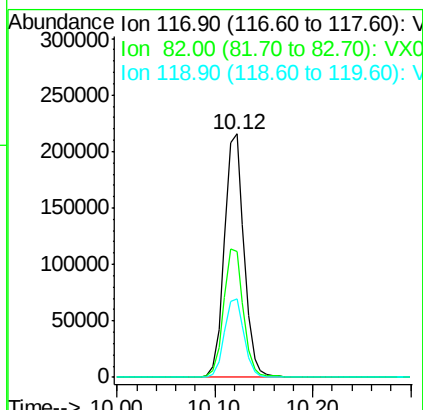
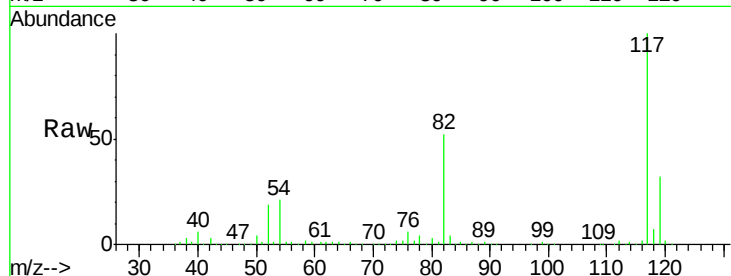




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001123.D
Acq: 25 Apr 2018 16:34

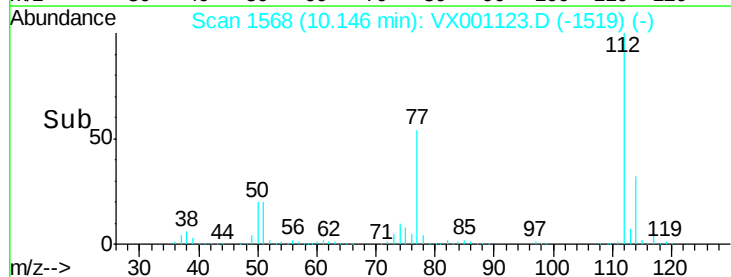
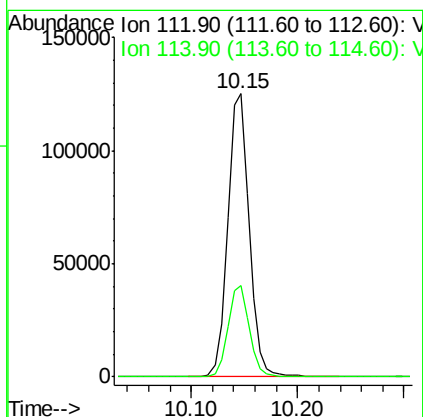
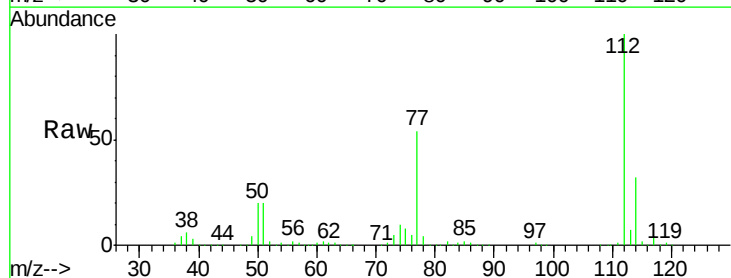
Instrument :
MSVOA_X
ClientSampleId :
LF014MW015-180412

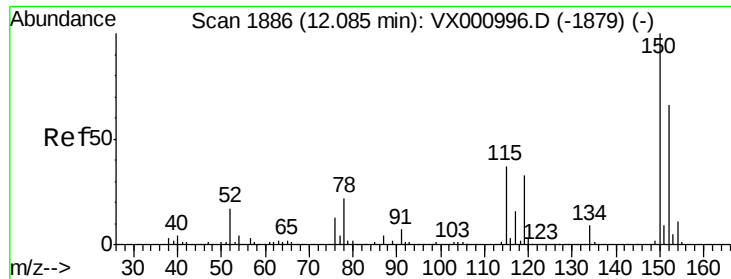
Tot Ion:117 Resp: 300536
Ion Ratio Lower Upper
117 100
82 51.9 40.6 60.8
119 32.4 26.0 39.0



#65
Chlorobenzene
Concen: 22.06 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001123.D
Acq: 25 Apr 2018 16:34

Tgt Ion:112 Resp: 176512
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001123.D

Acq: 25 Apr 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

LF014MW015-180412

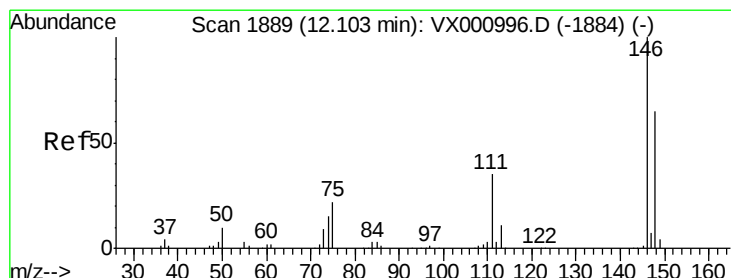
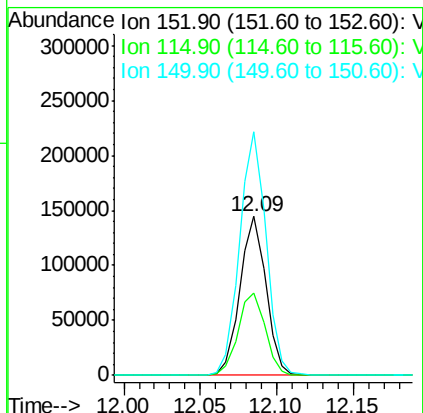
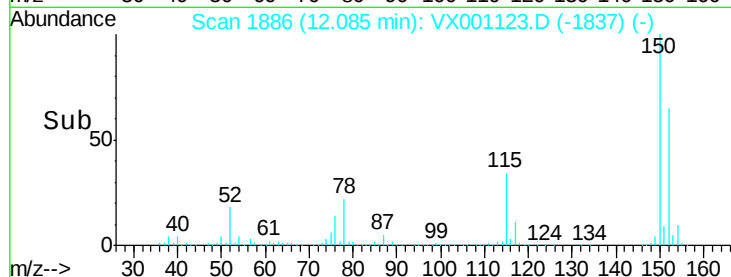
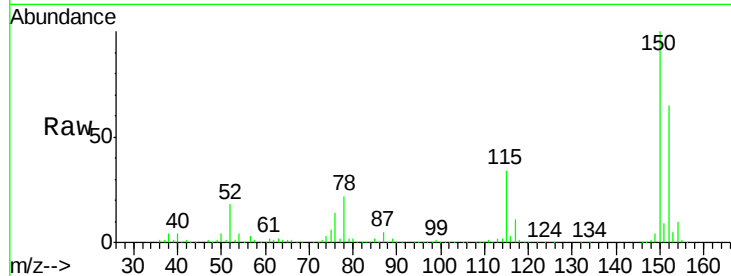
Tot Ion:152 Resp: 170398

Ion Ratio Lower Upper

152 100

115 54.1 38.2 114.6

150 156.2 0.0 350.4



#88

1,4-Dichlorobenzene

Concen: 2.27 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001123.D

Acq: 25 Apr 2018 16:34

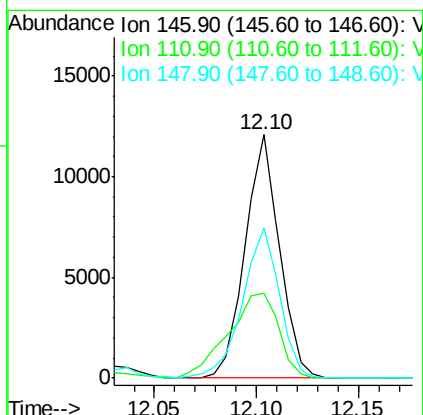
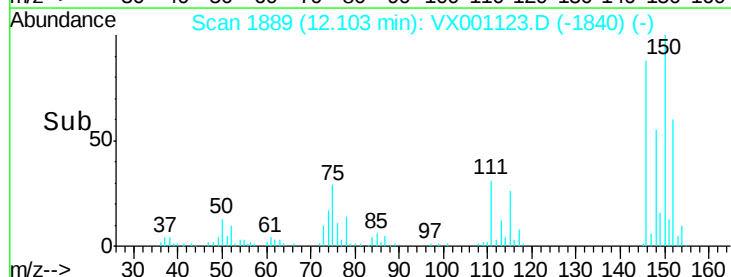
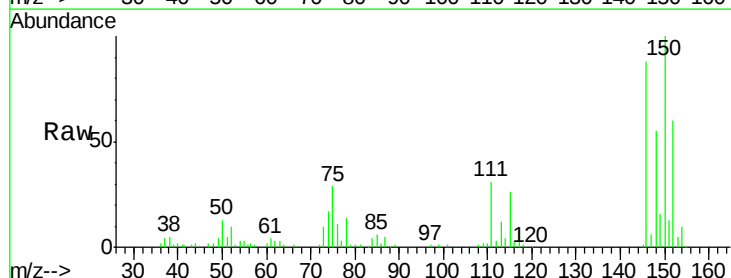
Tgt Ion:146 Resp: 14091

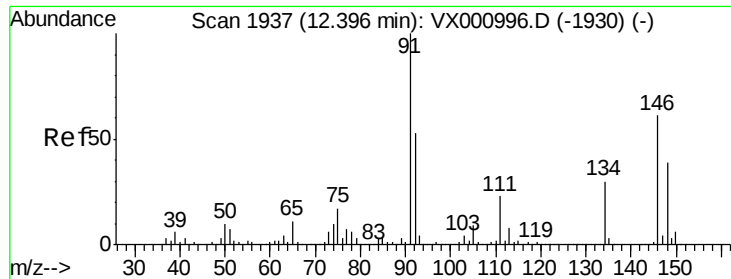
Ion Ratio Lower Upper

146 100

111 51.0 18.0 54.0

148 66.8 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 1.81 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001123.D

Acq: 25 Apr 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

LF014MW015-180412

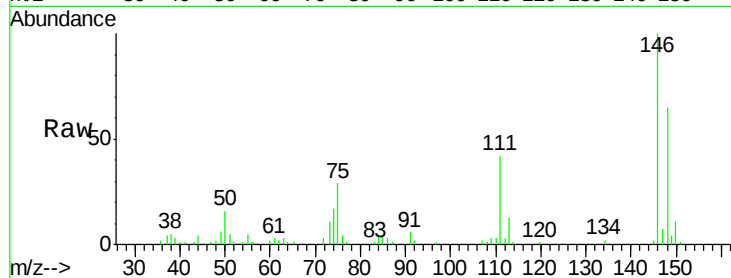
Tot Ion:146 Resp: 10617

Ion Ratio Lower Upper

146 100

111 39.3 18.6 56.0

148 64.7 32.3 96.8



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

