

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003180.D
 Acq On : 05 Jul 2018 18:47
 Operator : JC/MD
 Sample : J3846-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW350-180702

Quant Time: Jul 06 01:22:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	372177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	204174	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	173464	46.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.88%		
35) Dibromofluoromethane	5.51	113	143863	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.62%		
50) Toluene-d8	8.72	98	516032	47.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.90%		
62) 4-Bromofluorobenzene	11.14	95	197016	47.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.94%		

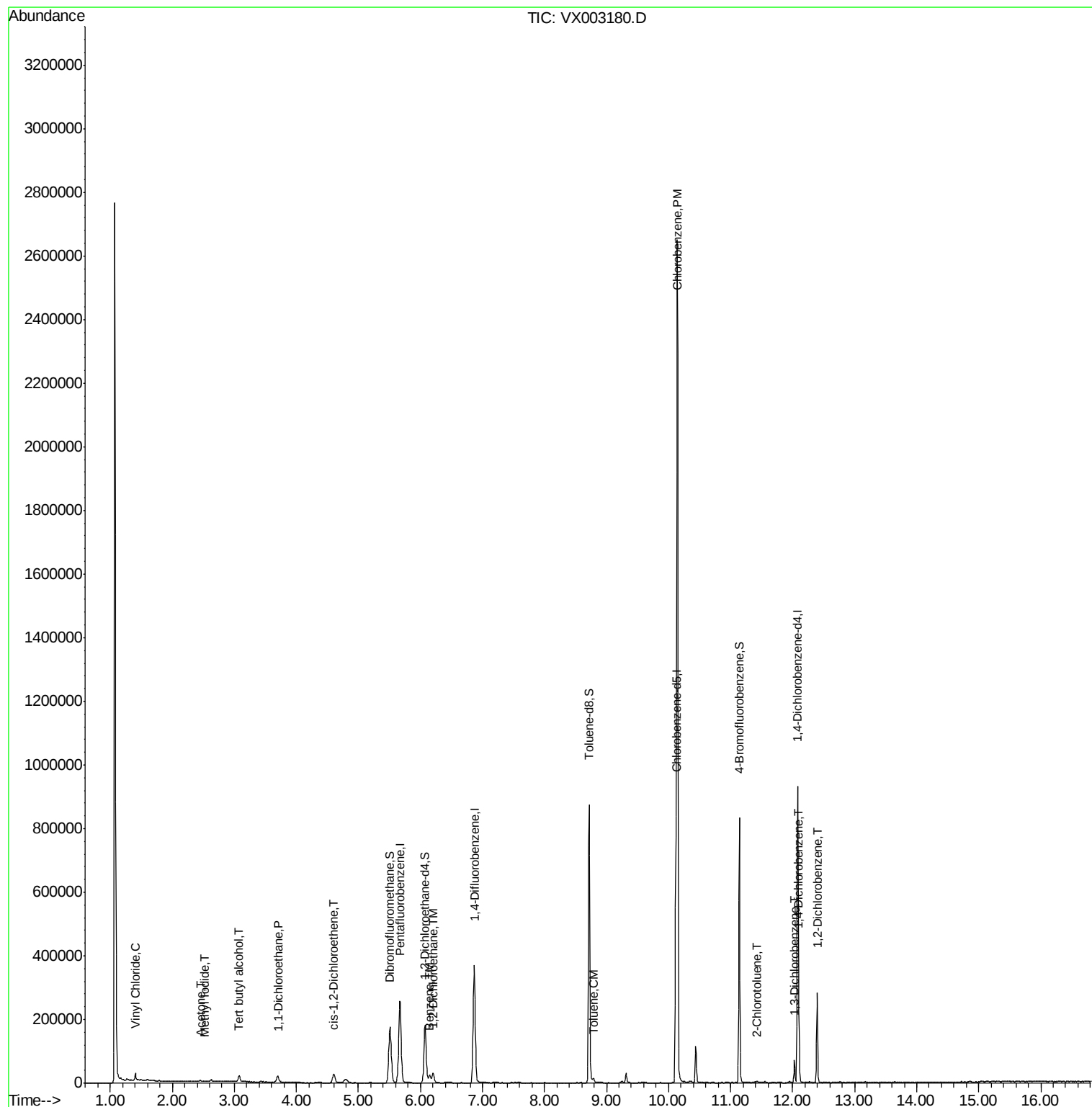
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	13299	4.35	ug/l #	80
10) Methyl Iodide	2.51	142	1651	6.70	ug/l #	95
11) Tert butyl alcohol	3.08	59	25212	33.88	ug/l	96
16) Acetone	2.45	43	3824	2.47	ug/l	93
24) 1,1-Dichloroethane	3.70	63	21604	3.96	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	17662	5.43	ug/l	92
40) Benzene	6.15	78	26880	2.27	ug/l	94
42) 1,2-Dichloroethane	6.20	62	32282	6.74	ug/l	97
52) Toluene	8.79	92	3400	0.45	ug/l	98
65) Chlorobenzene	10.14	112	1135464	128.34	ug/l	98
79) 2-Chlorotoluene	11.42	91	2176	0.23	ug/l	93
87) 1,3-Dichlorobenzene	12.03	146	23375	3.27	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	68986	9.38	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	91678	12.71	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003180.D

Acq: 05 Jul 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

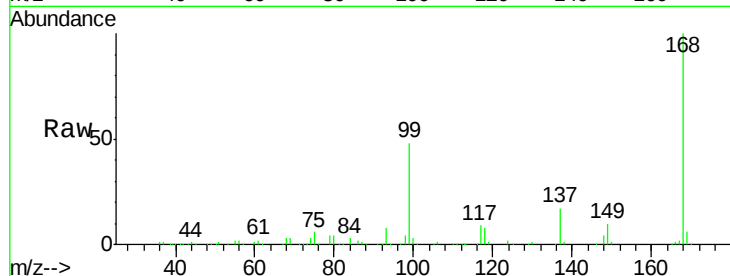
WP022RW350-180702

Tot Ion:168 Resp: 270257

Ion Ratio Lower Upper

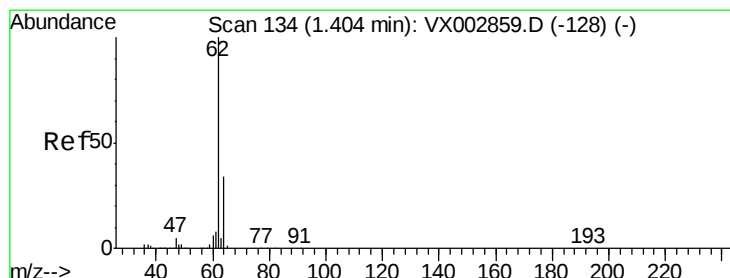
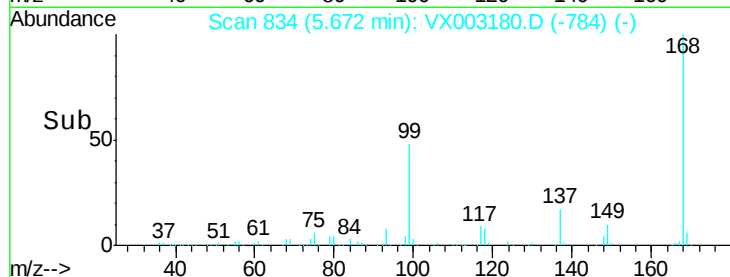
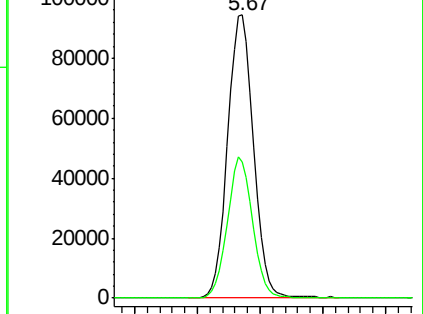
168 100

99 48.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 4.35 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003180.D

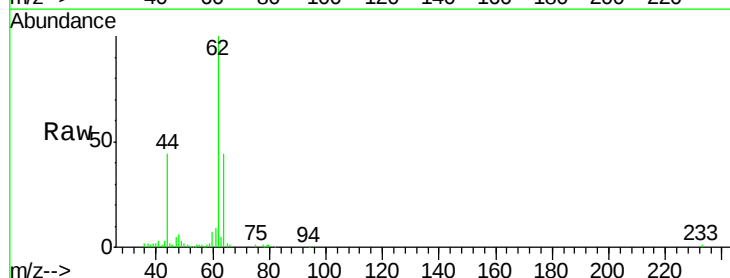
Acq: 05 Jul 2018 18:47

Tgt Ion: 62 Resp: 13299

Ion Ratio Lower Upper

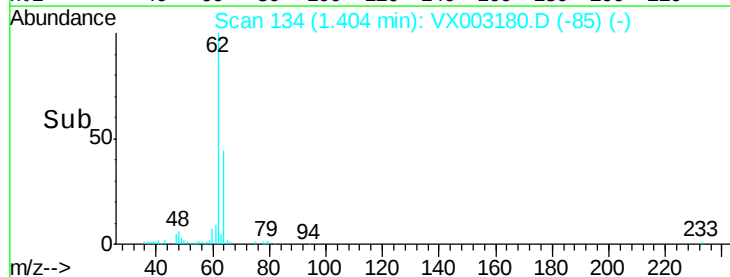
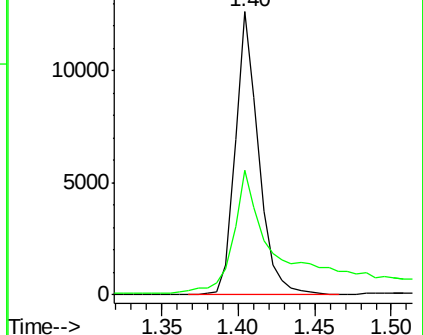
62 100

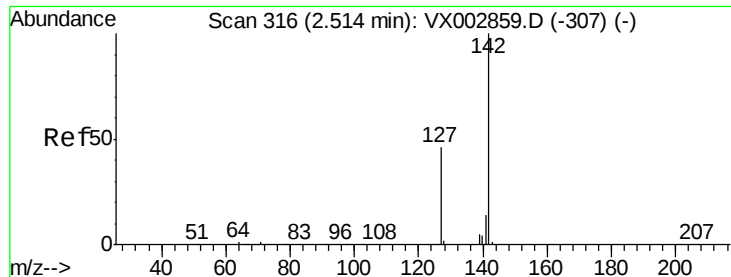
64 42.7 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

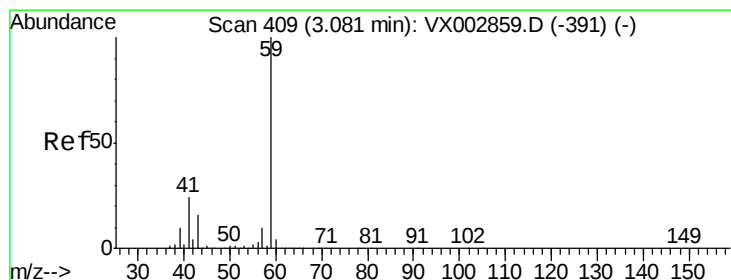
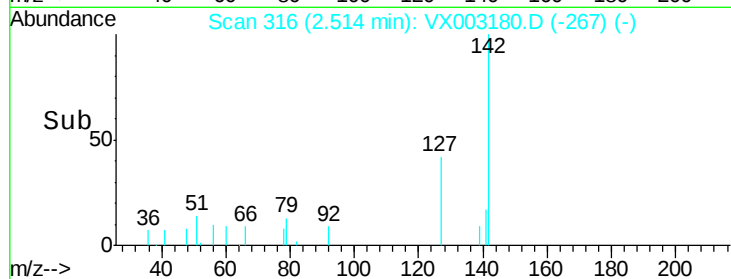
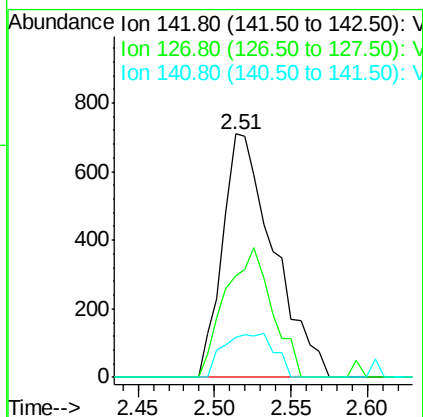
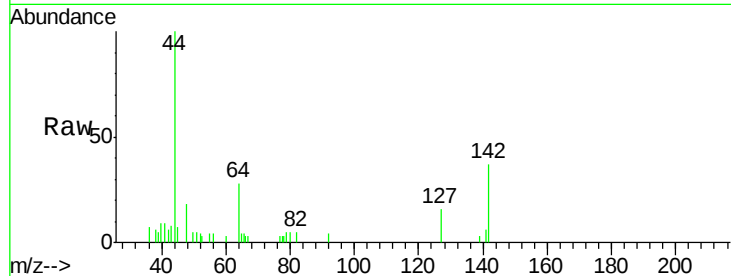




#10
Methyl Iodide
Concen: 6.70 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX003180.D
Acq: 05 Jul 2018 18:47

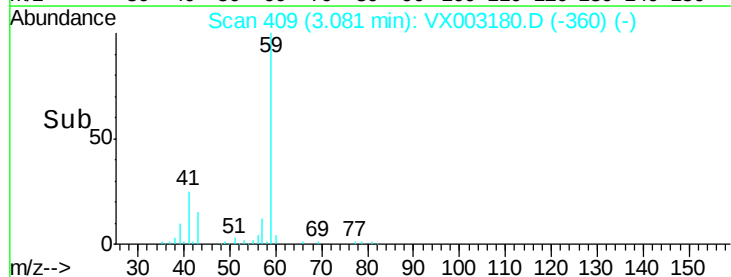
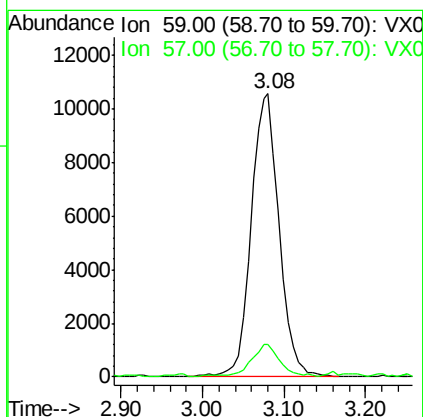
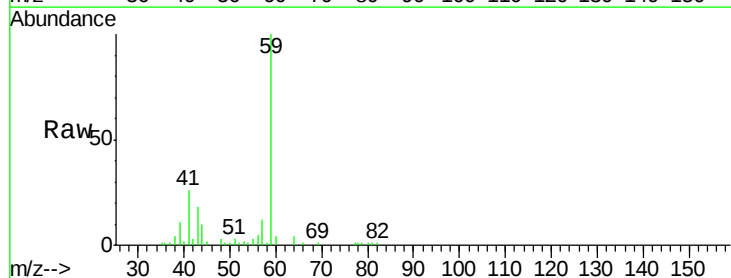
Instrument :
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ClientSampleId :
WP022RW350-180702

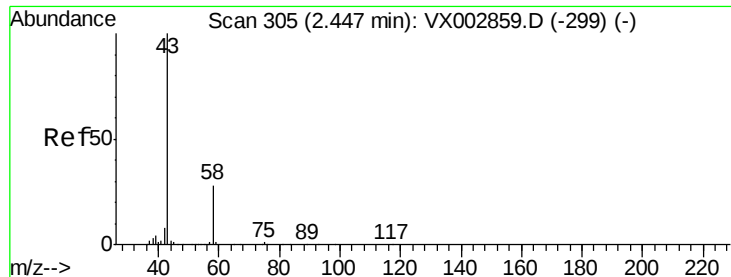
Tot Ion:142 Resp: 1651
Ion Ratio Lower Upper
142 100
127 48.4 36.6 55.0
141 18.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 33.88 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003180.D
Acq: 05 Jul 2018 18:47

Tgt Ion: 59 Resp: 25212
Ion Ratio Lower Upper
59 100
57 11.7 8.2 12.2





#16

Acetone

Concen: 2.47 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003180.D

Acq: 05 Jul 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

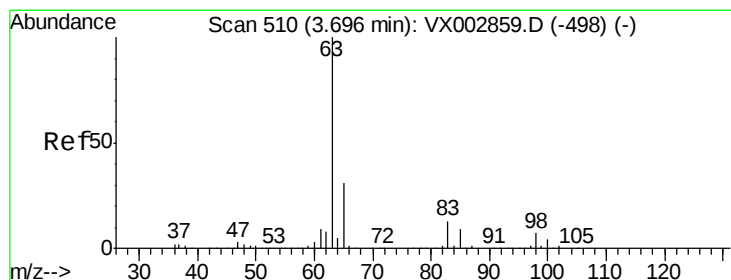
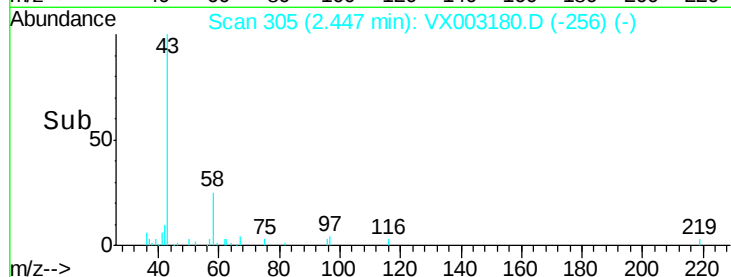
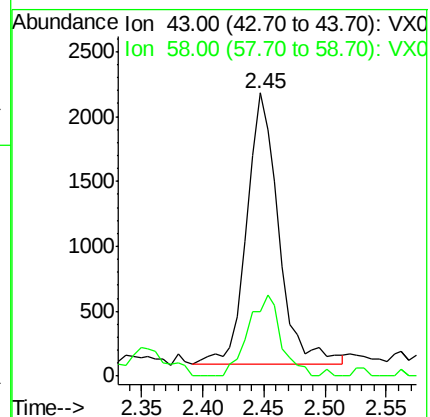
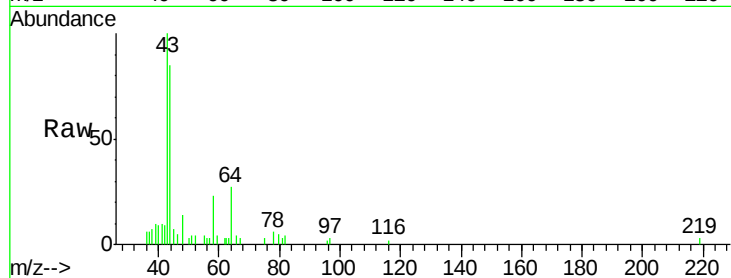
WP022RW350-180702

Tot Ion: 43 Resp: 3824

Ion Ratio Lower Upper

43 100

58 23.9 22.1 33.1



#24

1,1-Dichloroethane

Concen: 3.96 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003180.D

Acq: 05 Jul 2018 18:47

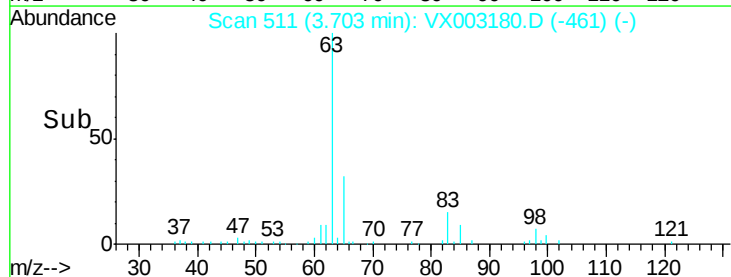
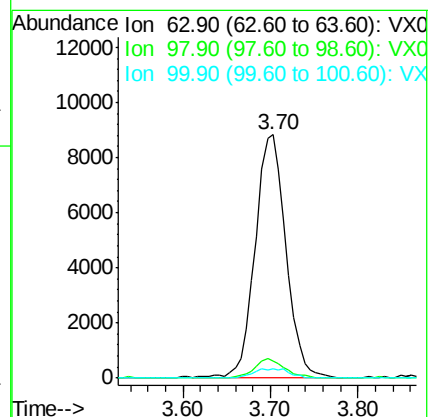
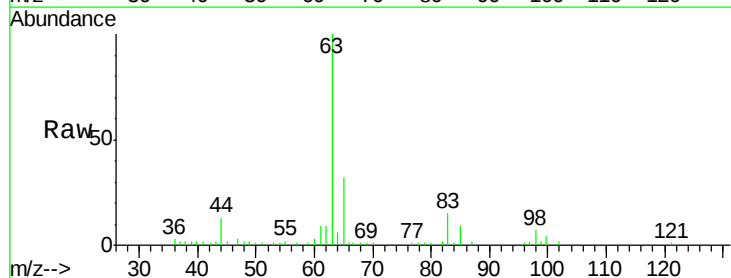
Tgt Ion: 63 Resp: 21604

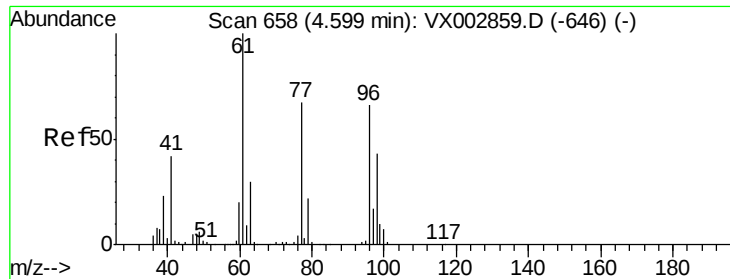
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.0 2.0 6.0





#27

cis-1,2-Dichloroethene

Concen: 5.43 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003180.D

Acq: 05 Jul 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

WP022RW350-180702

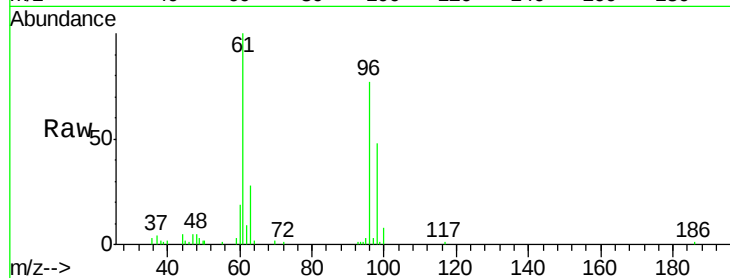
Tot Ion: 96 Resp: 17662

Ion Ratio Lower Upper

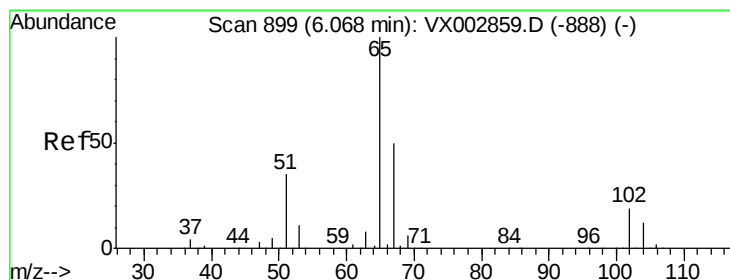
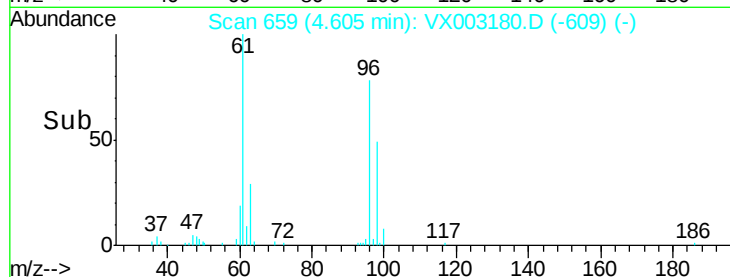
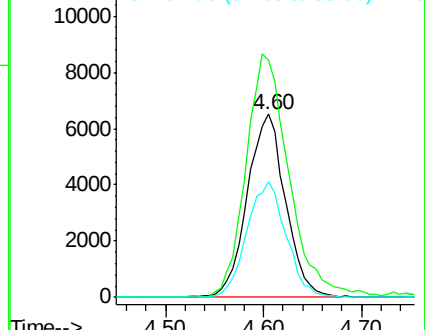
96 100

61 150.2 0.0 330.2

98 64.6 0.0 130.2



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



#33

1,2-Dichloroethane-d4

Concen: 46.44 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003180.D

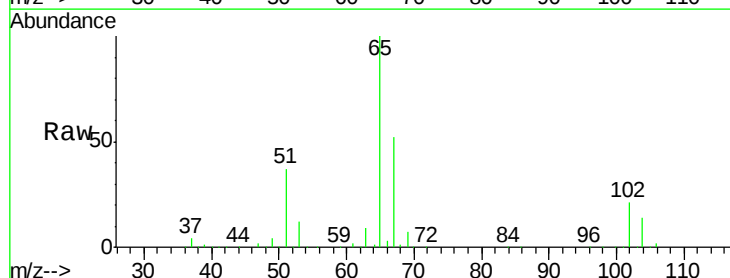
Acq: 05 Jul 2018 18:47

Tgt Ion: 65 Resp: 173464

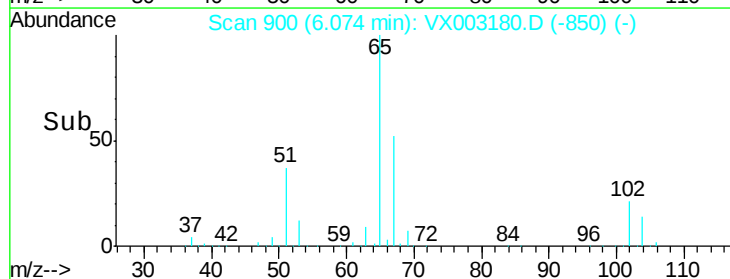
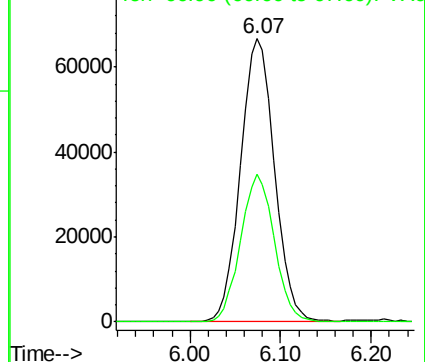
Ion Ratio Lower Upper

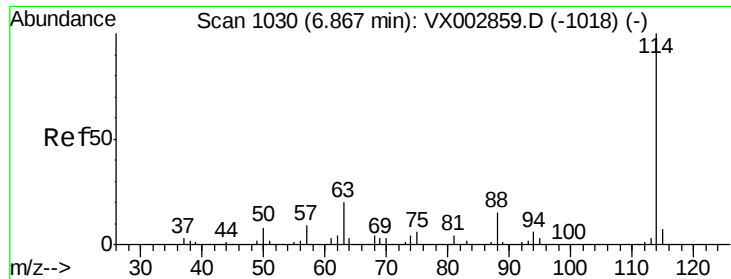
65 100

67 51.8 0.0 102.6



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

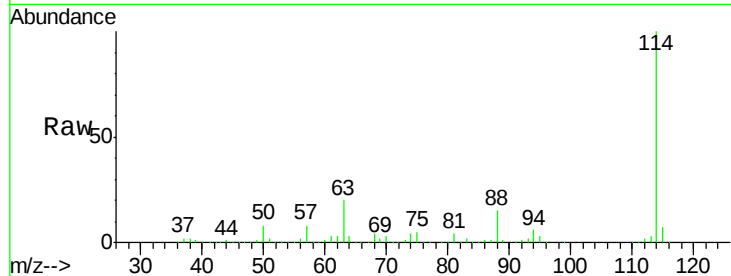




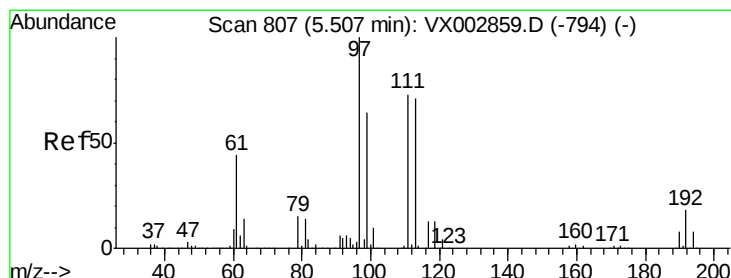
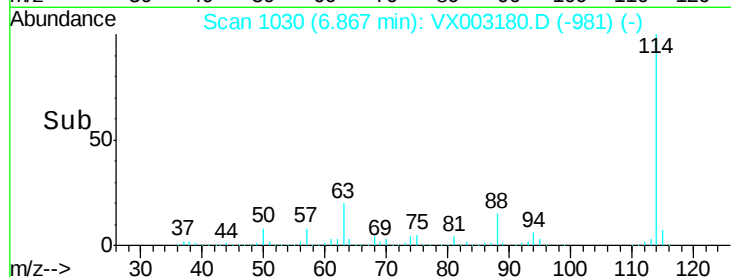
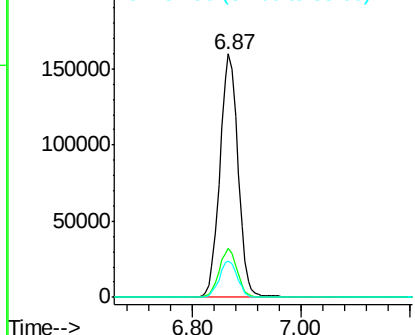
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX003180.D
Acq: 05 Jul 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
WP022RW350-180702

Tot Ion:114 Resp: 372177
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.4
88 14.8 0.0 30.0

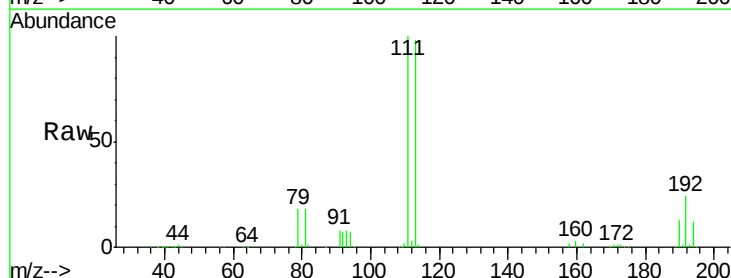


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX
Ion 87.90 (87.60 to 88.60): VX

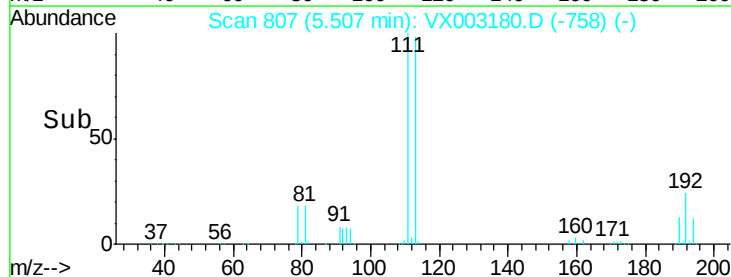
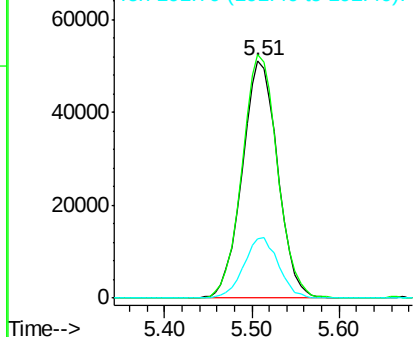


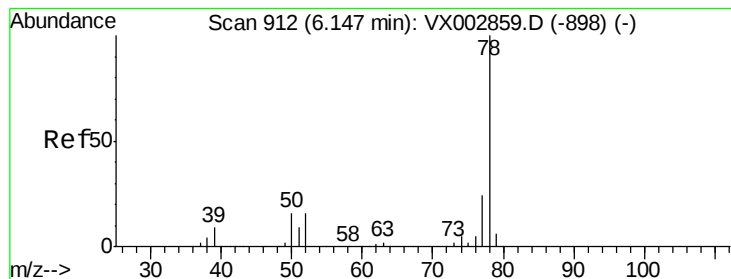
#35
Dibromofluoromethane
Concen: 48.81 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003180.D
Acq: 05 Jul 2018 18:47

Tgt Ion:113 Resp: 143863
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 25.1 19.1 28.7



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: 2.27 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX003180.D

Acq: 05 Jul 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

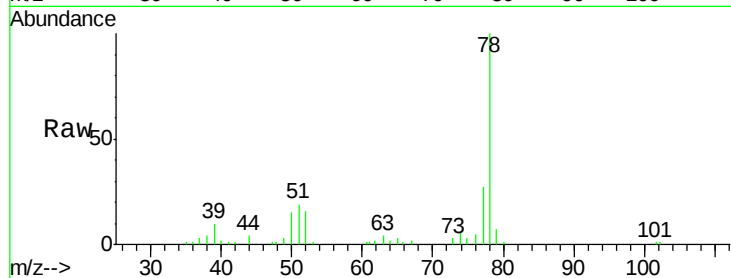
WP022RW350-180702

Tot Ion: 78 Resp: 26880

Ion Ratio Lower Upper

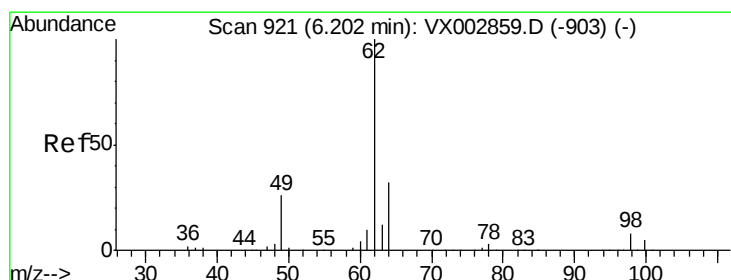
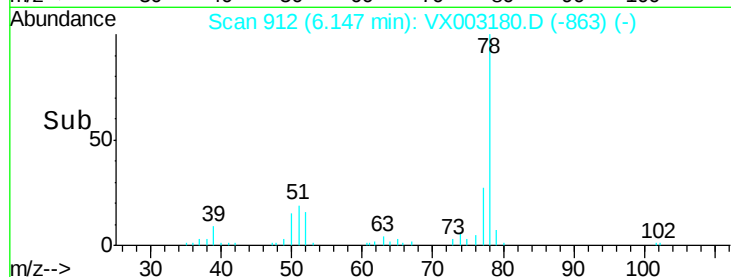
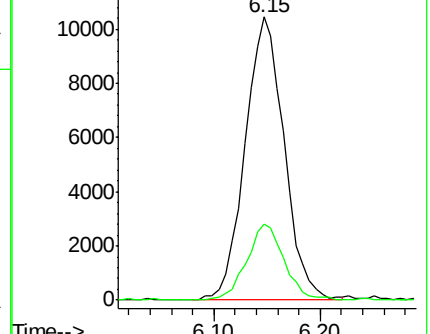
78 100

77 26.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 6.74 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX003180.D

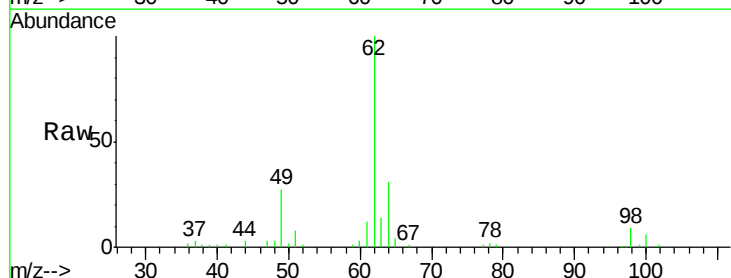
Acq: 05 Jul 2018 18:47

Tgt Ion: 62 Resp: 32282

Ion Ratio Lower Upper

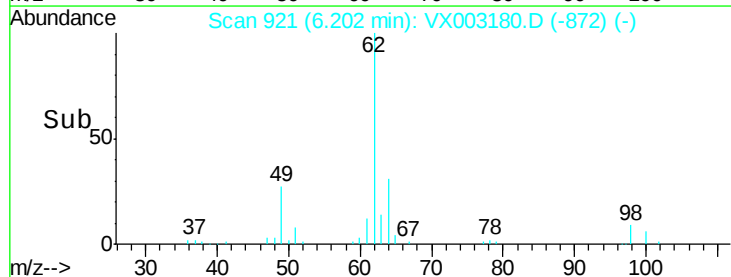
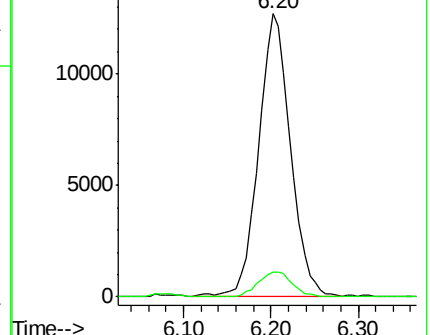
62 100

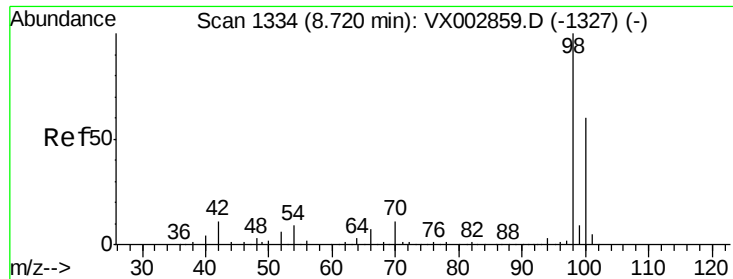
98 9.4 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

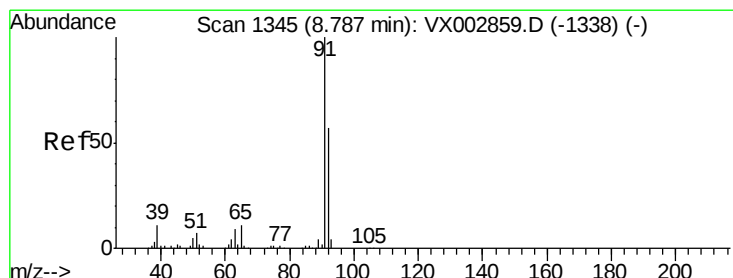
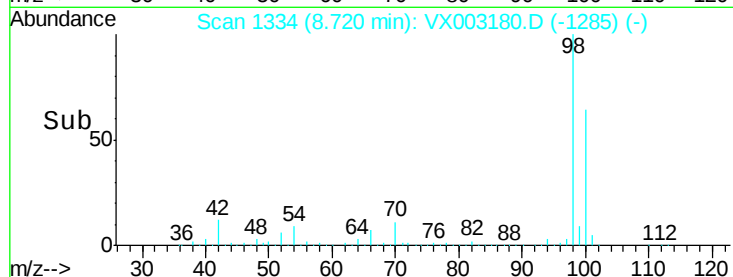
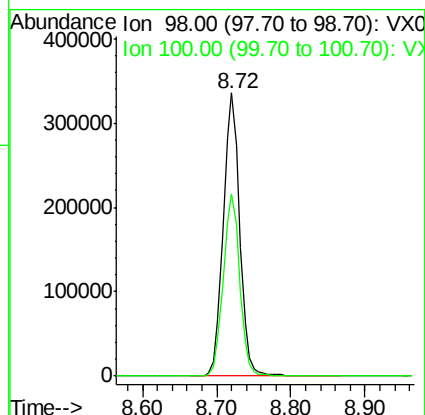
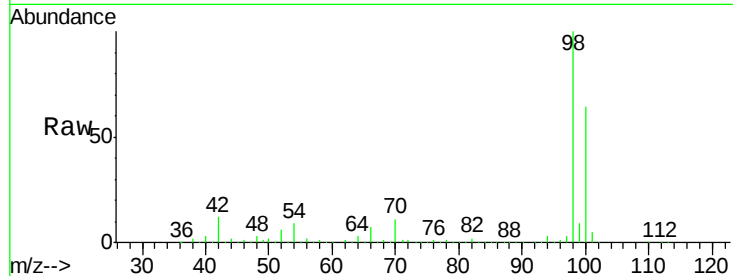




#50
Toluene-d8
Concen: 47.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003180.D
Acq: 05 Jul 2018 18:47

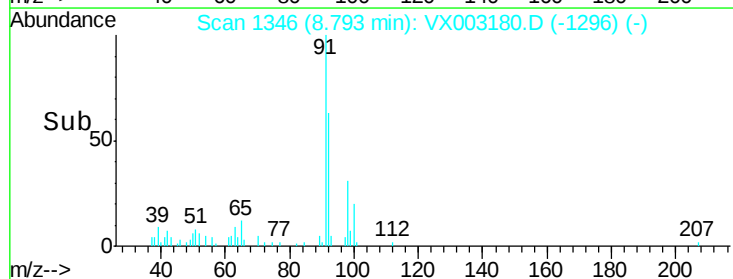
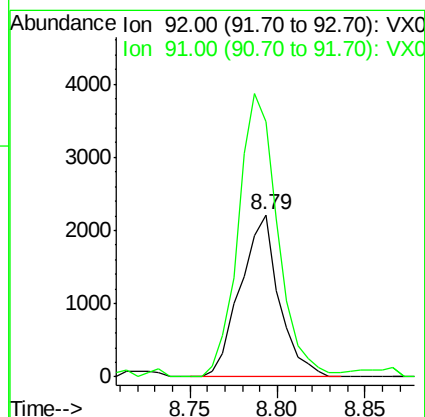
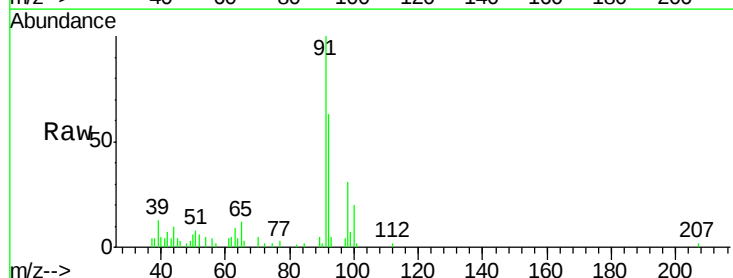
Instrument :
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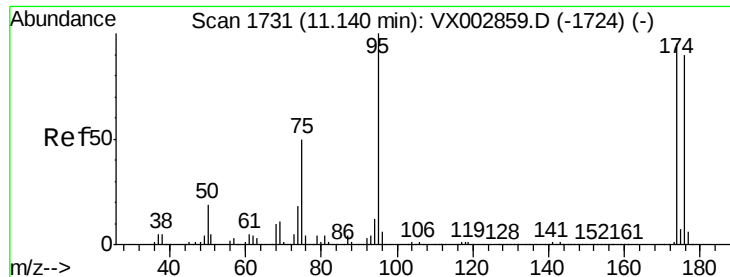
Tot Ion: 98 Resp: 516032
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3



#52
Toluene
Concen: 0.45 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VX003180.D
Acq: 05 Jul 2018 18:47

Tgt Ion: 92 Resp: 3400
Ion Ratio Lower Upper
92 100
91 178.6 140.4 210.6

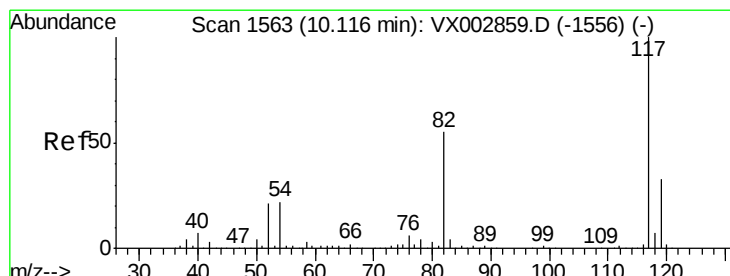
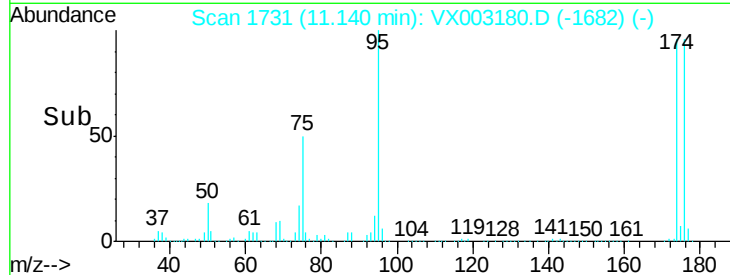
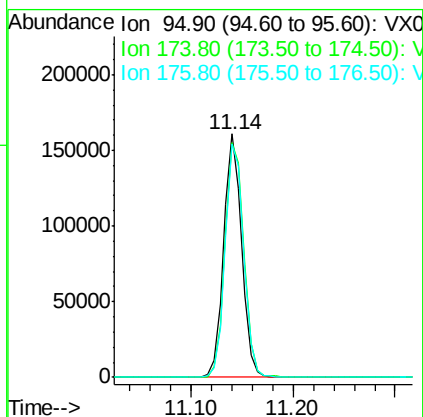
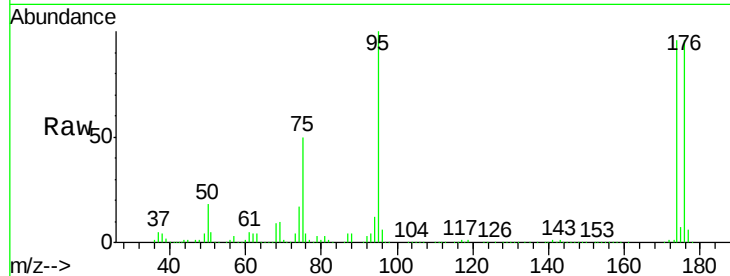




#62
4-Bromofluorobenzene
Concen: 47.47 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003180.D
Acq: 05 Jul 2018 18:47

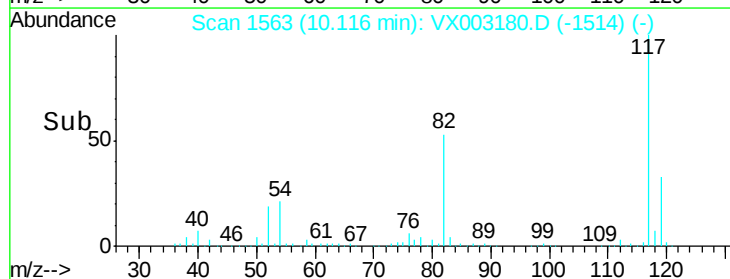
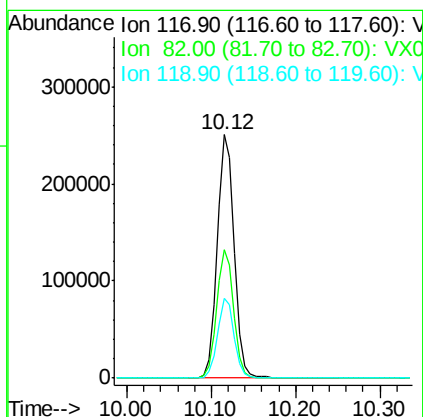
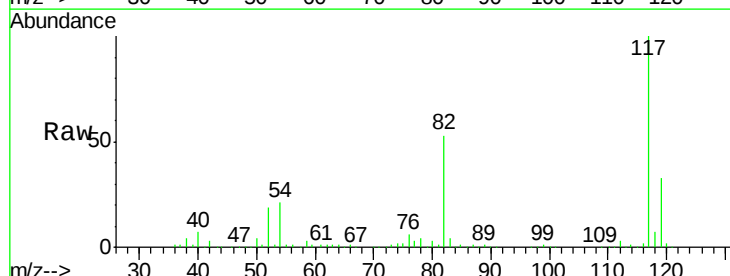
Instrument :
MSVOA_X
ClientSampleId :
WP022RW350-180702

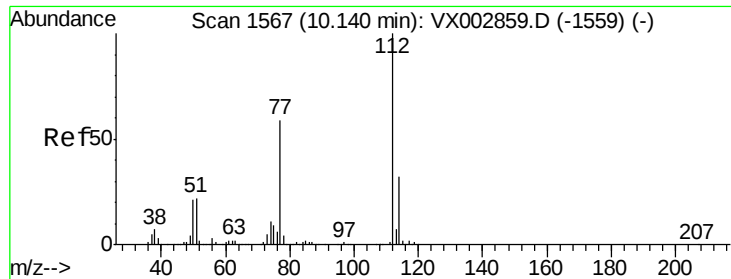
Tot Ion: 95 Resp: 197016
Ion Ratio Lower Upper
95 100
174 100.7 0.0 187.4
176 98.4 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003180.D
Acq: 05 Jul 2018 18:47

Tgt Ion: 117 Resp: 348310
Ion Ratio Lower Upper
117 100
82 52.9 45.0 67.4
119 32.7 25.8 38.6





#65

Chlorobenzene

Concen: 128.34 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003180.D

Acq: 05 Jul 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

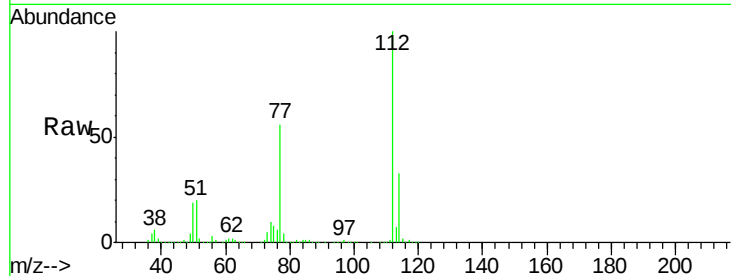
WP022RW350-180702

Tot Ion:112 Resp: 1135464

Ion Ratio Lower Upper

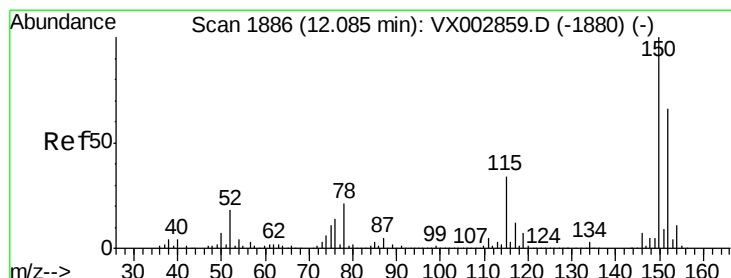
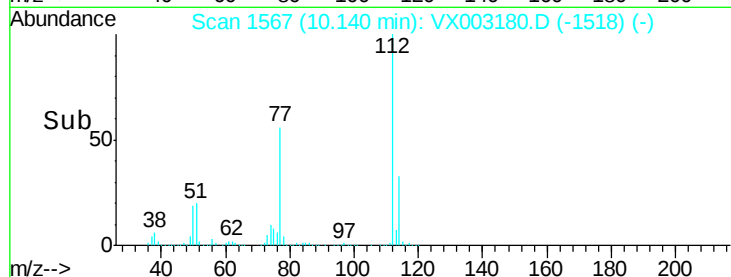
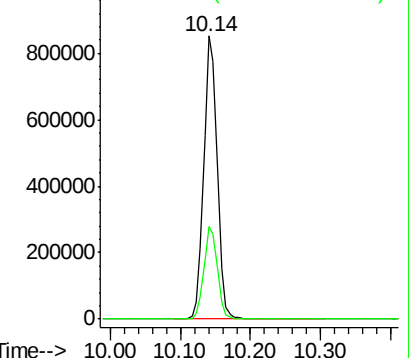
112 100

114 32.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX003180.D

Acq: 05 Jul 2018 18:47

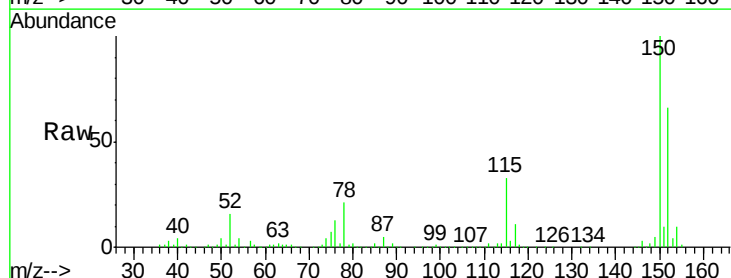
Tgt Ion:152 Resp: 204174

Ion Ratio Lower Upper

152 100

115 52.9 40.1 120.2

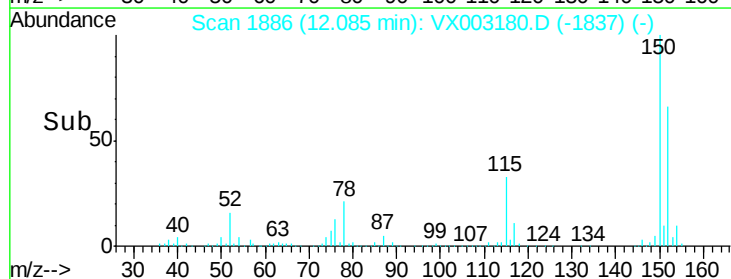
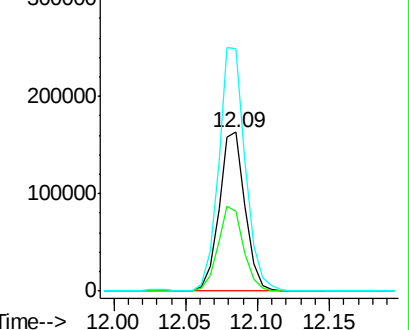
150 158.2 0.0 347.2

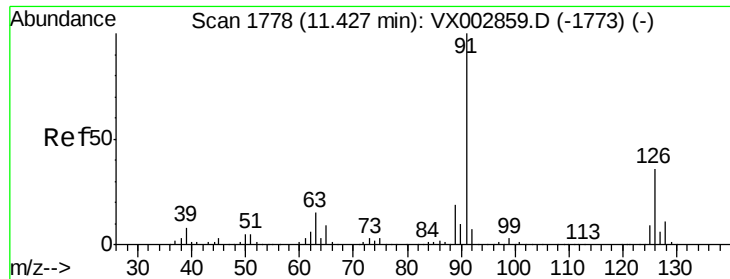


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#79

2-Chlorotoluene

Concen: 0.23 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003180.D

Acq: 05 Jul 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

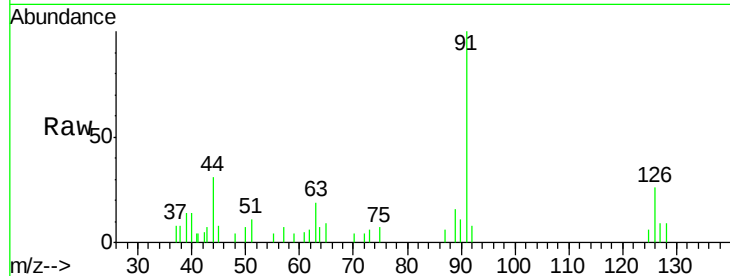
WP022RW350-180702

Tot Ion: 91 Resp: 2176

Ion Ratio Lower Upper

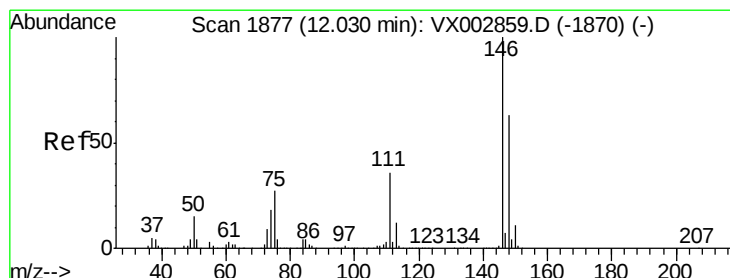
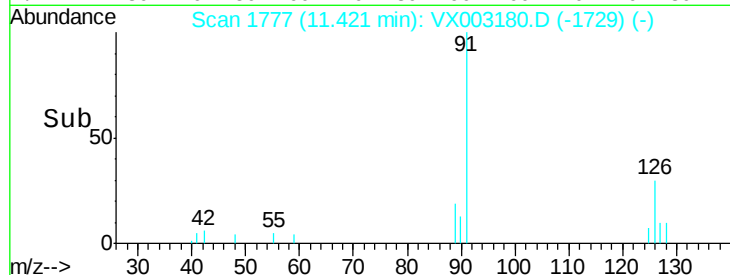
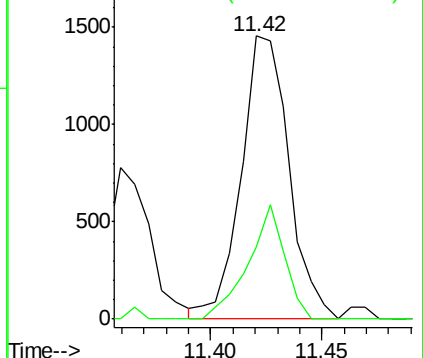
91 100

126 31.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#87

1,3-Dichlorobenzene

Concen: 3.27 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003180.D

Acq: 05 Jul 2018 18:47

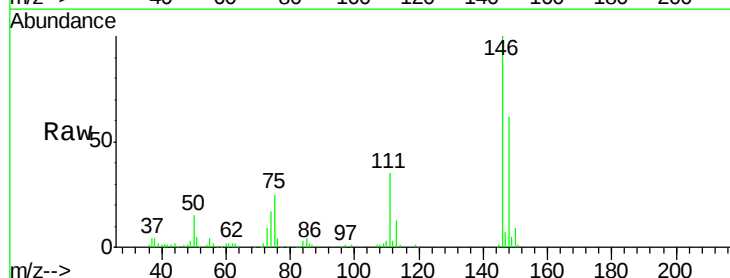
Tgt Ion: 146 Resp: 23375

Ion Ratio Lower Upper

146 100

111 35.9 18.9 56.7

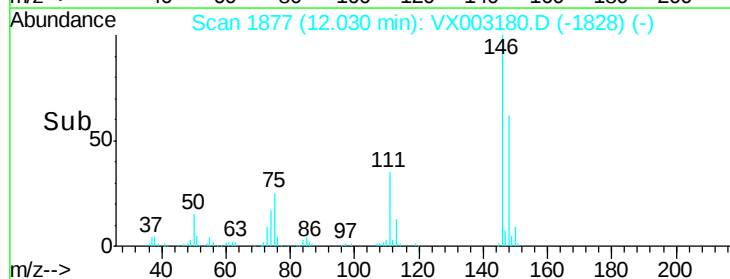
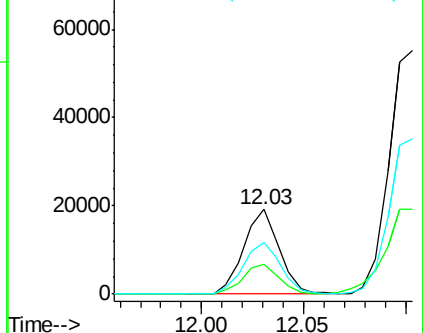
148 63.9 32.1 96.3

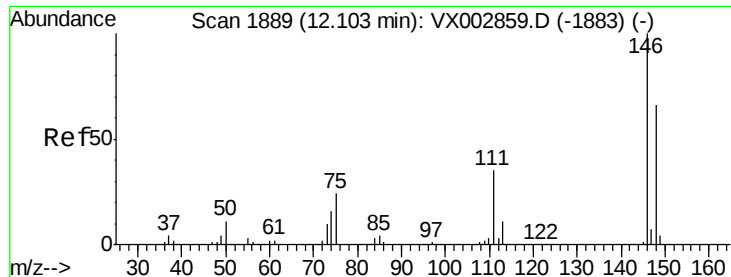


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 9.38 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX003180.D

Acq: 05 Jul 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

WP022RW350-180702

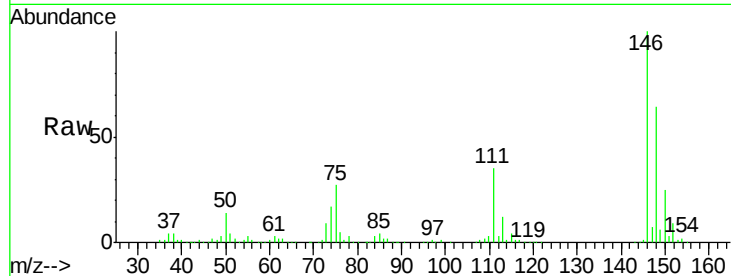
Tot Ion:146 Resp: 68986

Ion Ratio Lower Upper

146 100

111 38.5 18.7 56.1

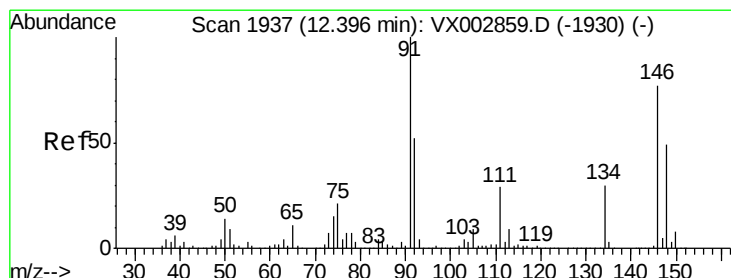
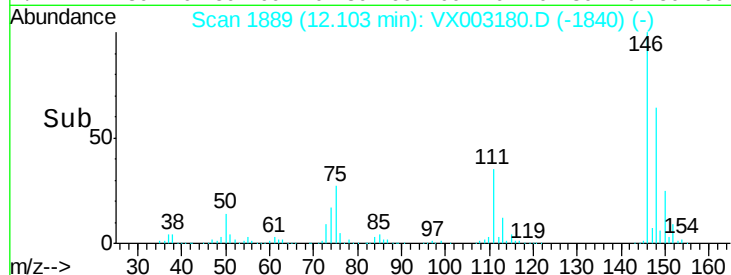
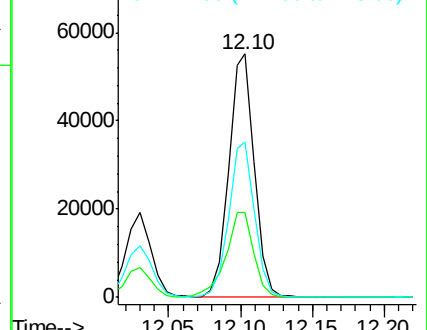
148 64.8 32.4 97.0



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: 12.71 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003180.D

Acq: 05 Jul 2018 18:47

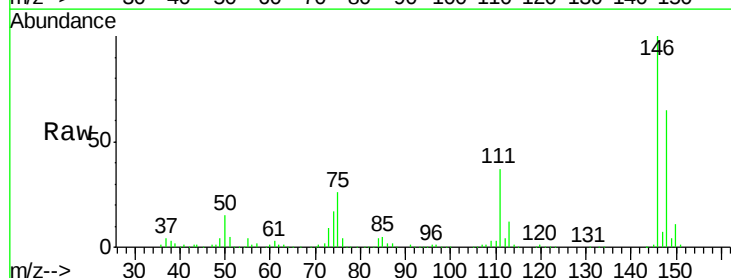
Tgt Ion:146 Resp: 91678

Ion Ratio Lower Upper

146 100

111 37.9 19.4 58.1

148 64.3 31.7 95.1



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

