

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX070518\
 Data File : VX003203.D
 Acq On : 06 Jul 2018 05:54
 Operator : JC/MD
 Sample : J3844-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW359-180702

Quant Time: Jul 06 11:29:21 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	273656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	379368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195878	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	174041	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	
35) Dibromofluoromethane	5.51	113	148374	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	8.72	98	519942	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
62) 4-Bromofluorobenzene	11.14	95	184618	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	

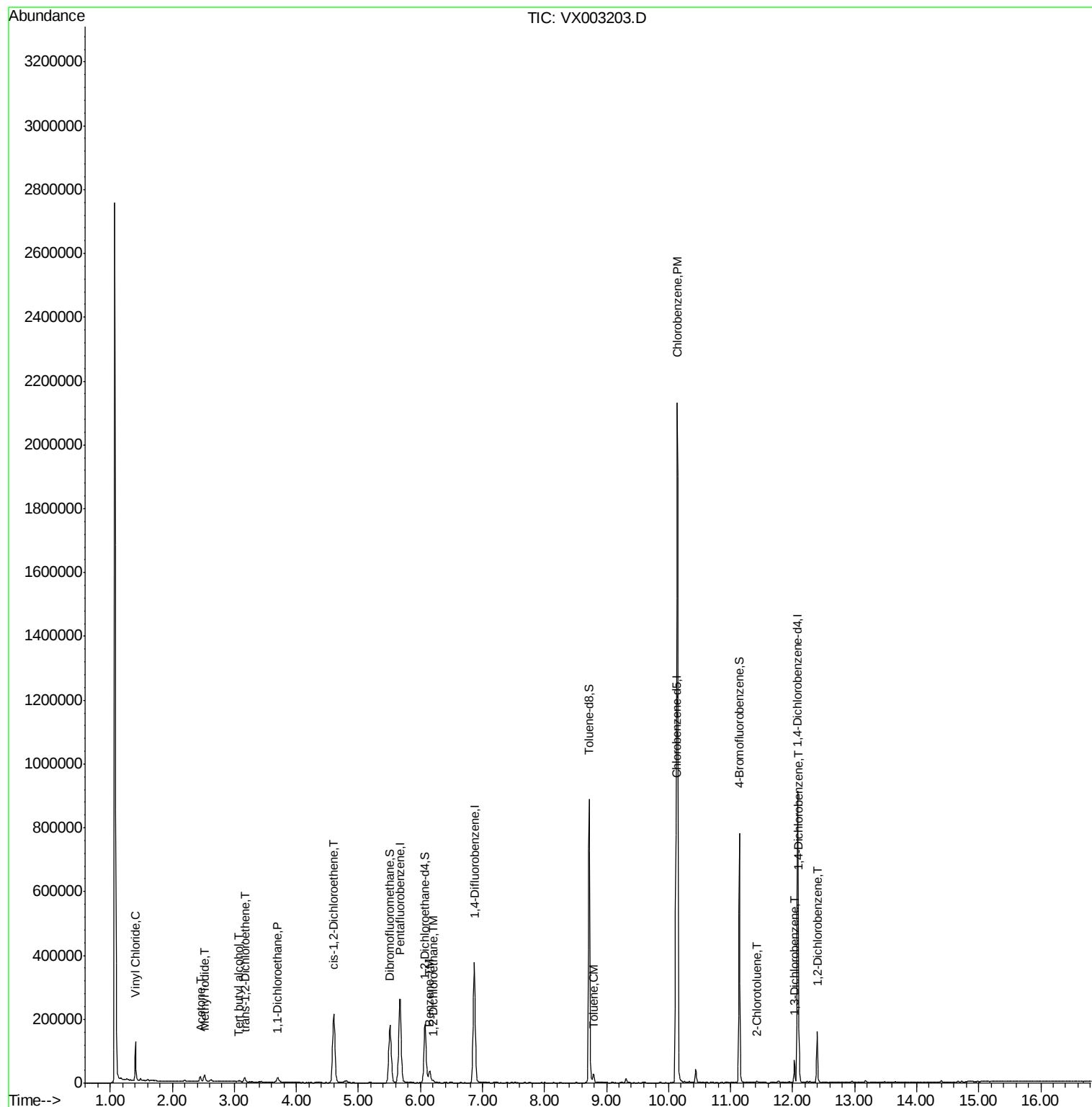
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	75986	24.55	ug/l	98
10) Methyl Iodide	2.52	142	23072	12.81	ug/l	97
11) Tert butyl alcohol	3.07	59	4642	6.16	ug/l	97
16) Acetone	2.45	43	17977	11.48	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	5503	1.87	ug/l	96
24) 1,1-Dichloroethane	3.70	63	14167	2.56	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	140482	42.62	ug/l	81
40) Benzene	6.15	78	42032	3.48	ug/l	95
42) 1,2-Dichloroethane	6.21	62	6072	1.24	ug/l	97
52) Toluene	8.79	92	8737	1.13	ug/l	99
65) Chlorobenzene	10.14	112	924040	103.04	ug/l	98
79) 2-Chlorotoluene	11.42	91	2001	0.22	ug/l	95
87) 1,3-Dichlorobenzene	12.03	146	23177	3.38	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	51454	7.30	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	50919	7.36	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX070518\
Data File : VX003203.D
Acq On : 06 Jul 2018 05:54
Operator : JC/MD
Sample : J3844-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WP022MW359-180702

Quant Time: Jul 06 11:29:21 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

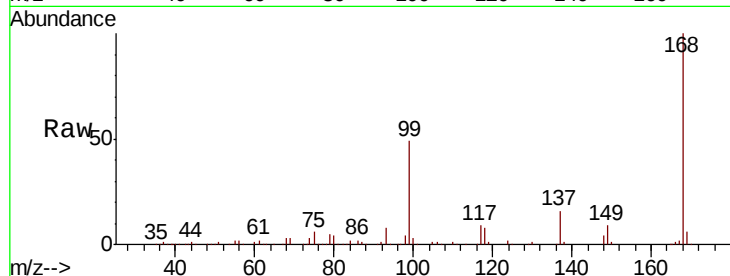
WP022MW359-180702

Tot Ion:168 Resp: 273656

Ion Ratio Lower Upper

168 100

99 48.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

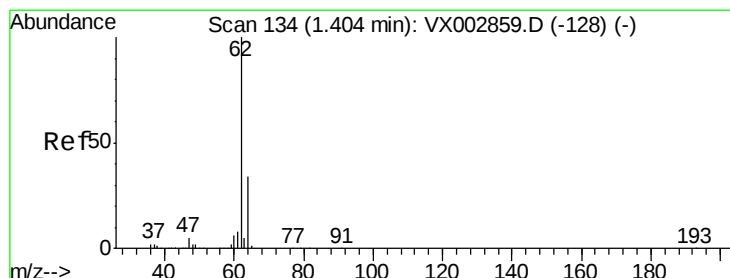
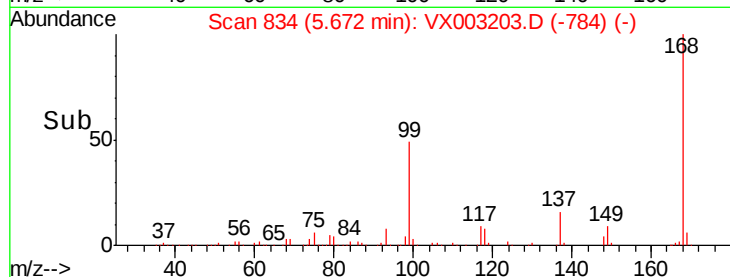
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 24.55 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003203.D

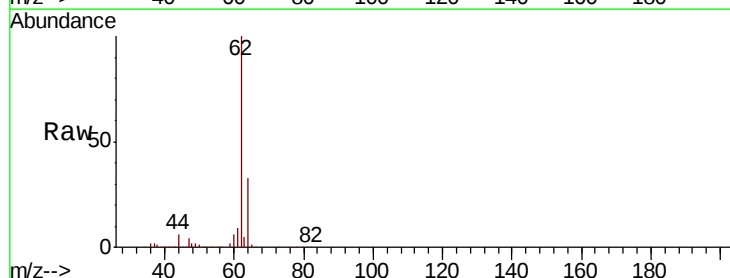
Acq: 06 Jul 2018 05:54

Tgt Ion: 62 Resp: 75986

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

80000

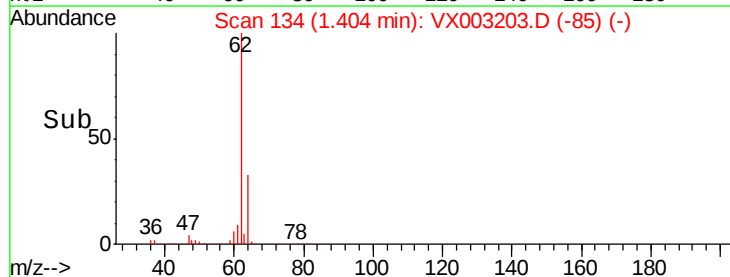
60000

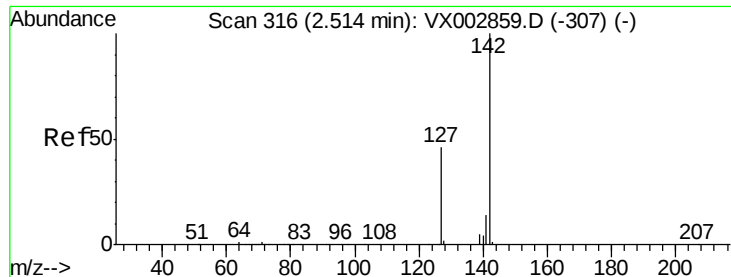
40000

20000

0

Time--> 1.35 1.40 1.45 1.50

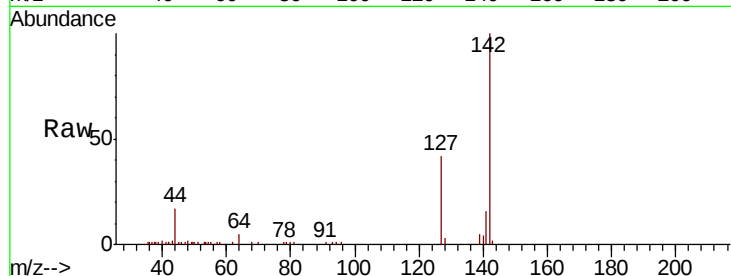




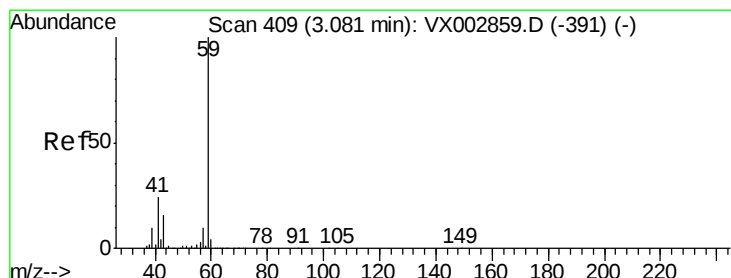
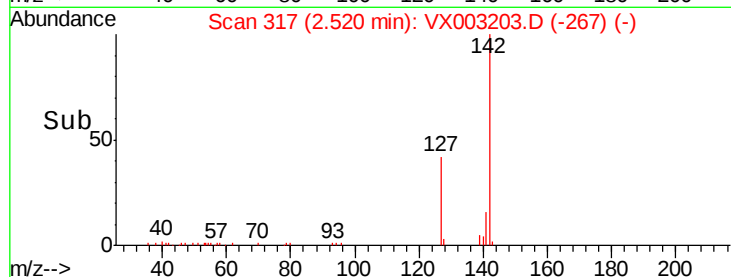
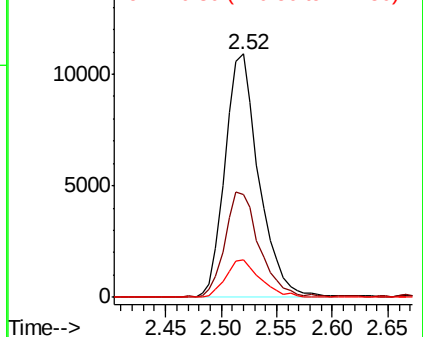
#10
Methvl Iodide
Concen: 12.81 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

Instrument :
MSVOA_X
ClientSampleId :
WP022MW359-180702

Tot Ion:142 Resp: 23072
Ion Ratio Lower Upper
142 100
127 44.0 36.6 55.0
141 15.6 11.3 16.9

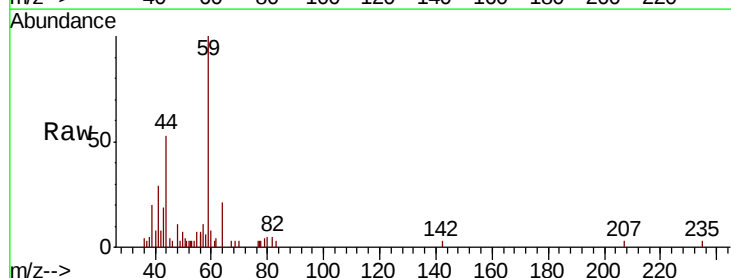


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

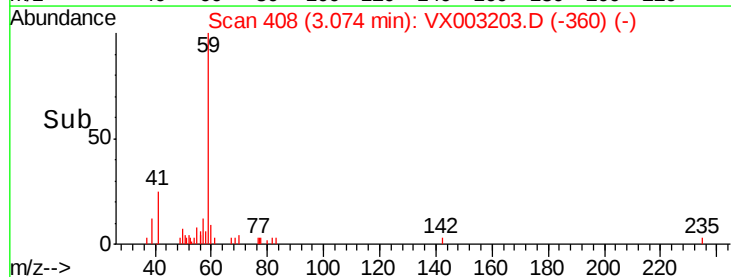
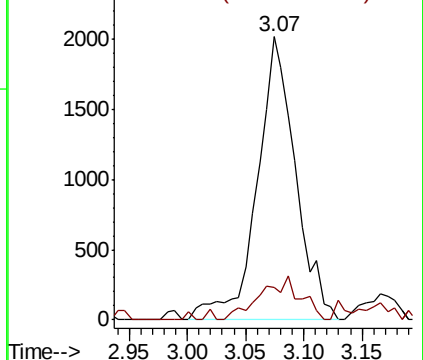


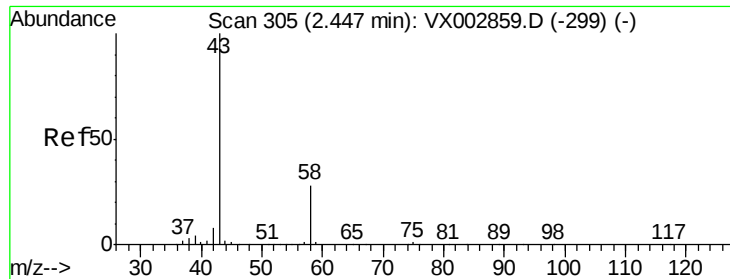
#11
Tert butyl alcohol
Concen: 6.16 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

Tgt Ion: 59 Resp: 4642
Ion Ratio Lower Upper
59 100
57 9.2 8.2 12.2



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





#16

Acetone

Concen: 11.48 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

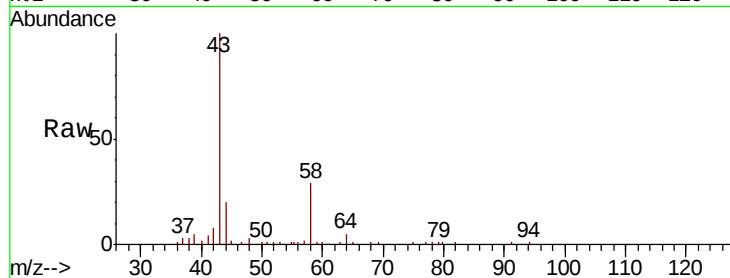
WP022MW359-180702

Tot Ion: 43 Resp: 17977

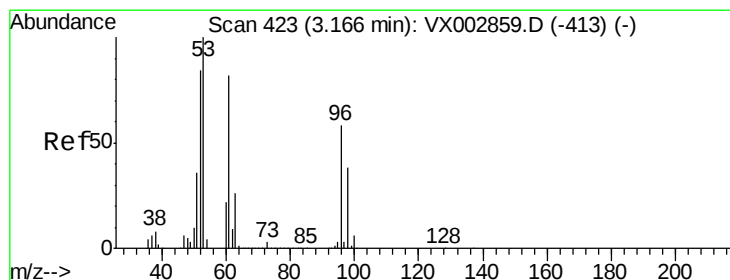
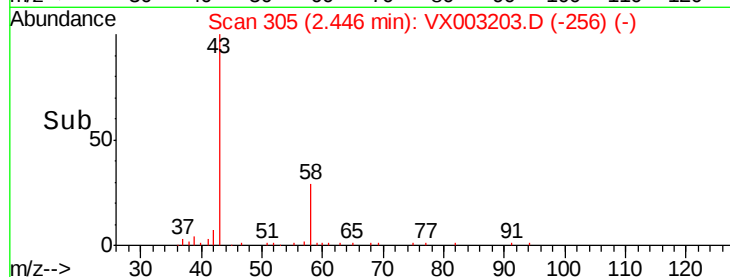
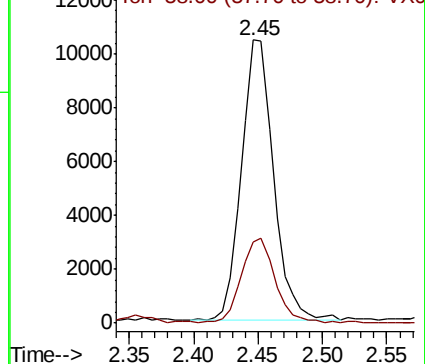
Ion Ratio Lower Upper

43 100

58 29.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 1.87 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

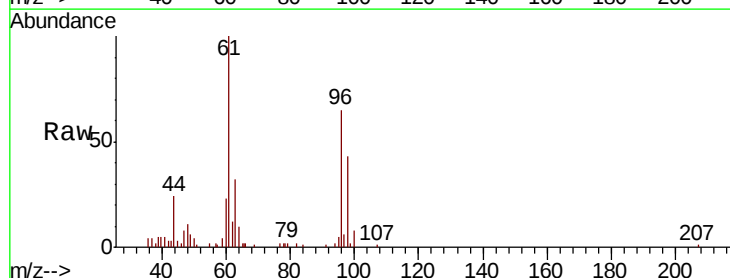
Tgt Ion: 96 Resp: 5503

Ion Ratio Lower Upper

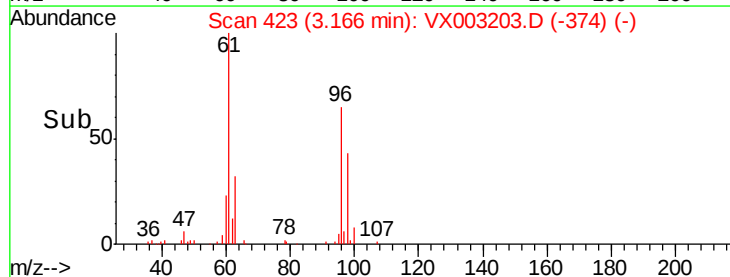
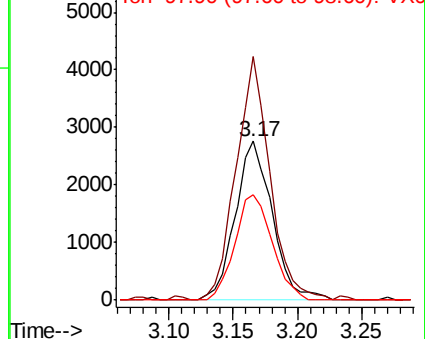
96 100

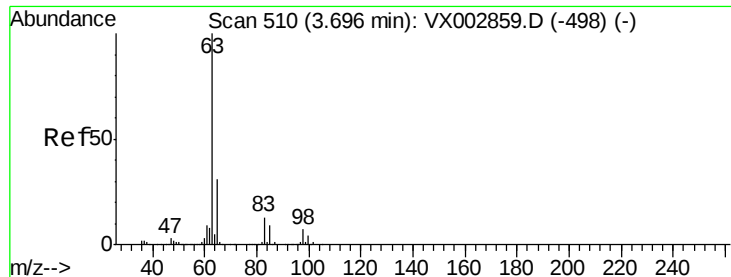
61 153.5 117.0 175.4

98 66.4 52.4 78.6



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





#24

1,1-Dichloroethane

Concen: 2.56 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180702

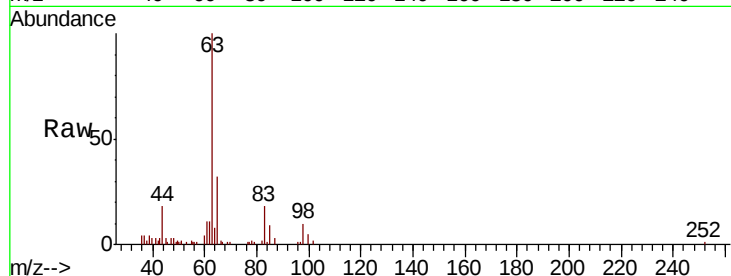
Tot Ion: 63 Resp: 14167

Ion Ratio Lower Upper

63 100

98 9.8 3.4 10.2

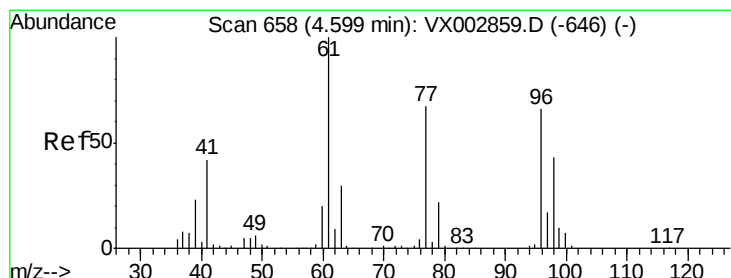
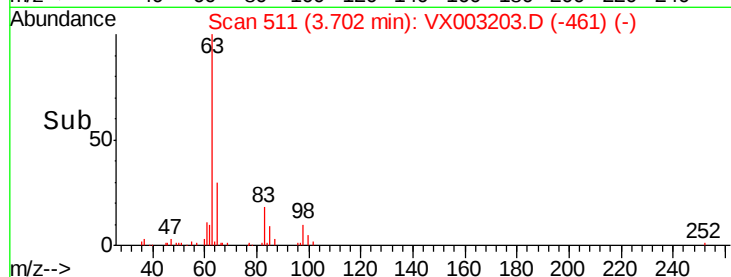
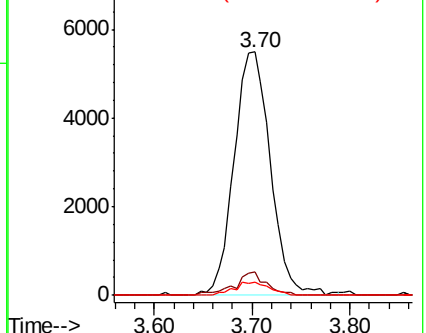
100 5.5 2.0 6.0



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: 42.62 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

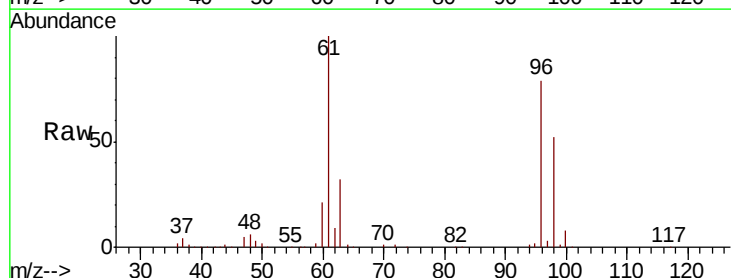
Tgt Ion: 96 Resp: 140482

Ion Ratio Lower Upper

96 100

61 129.6 0.0 330.2

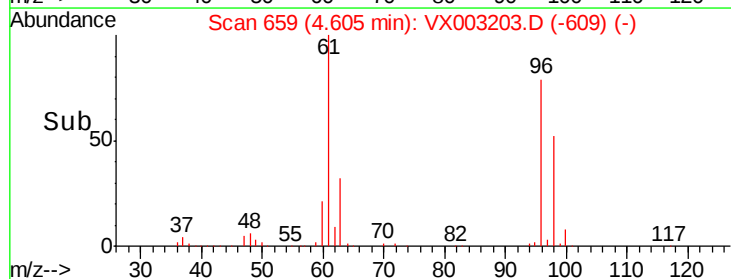
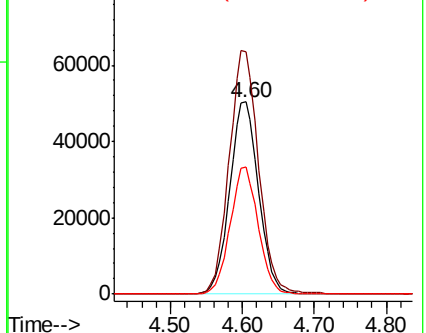
98 64.1 0.0 130.2

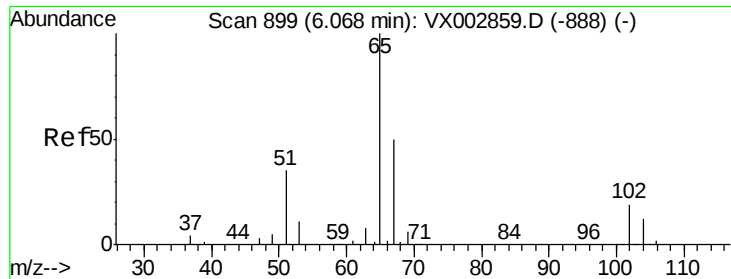


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

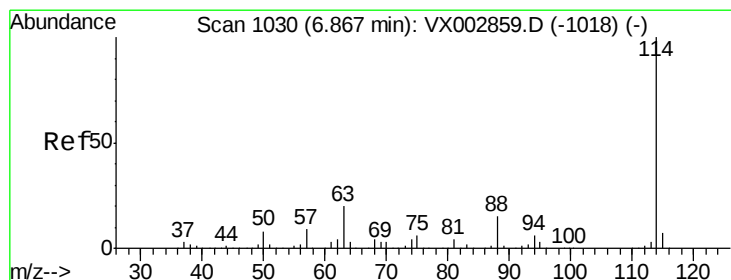
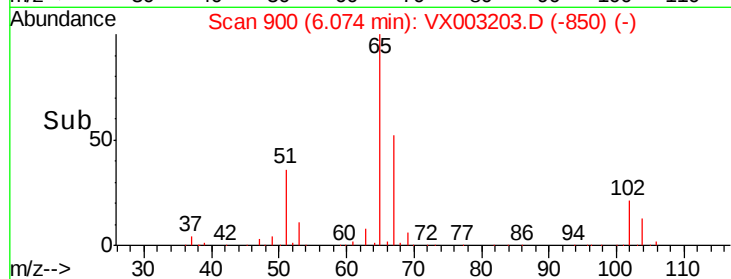
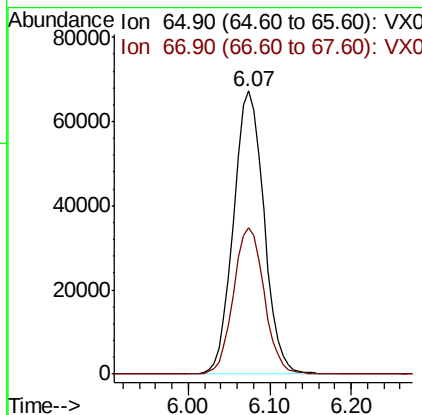
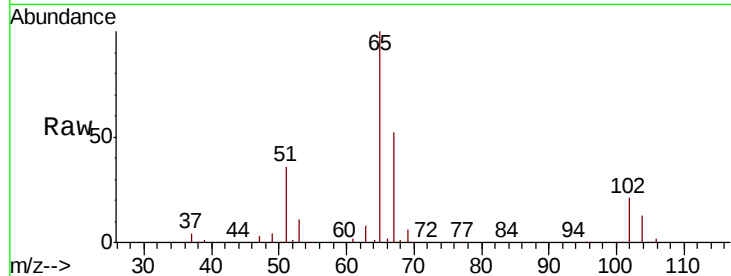




#33
 1,2-Dichloroethane-d4
 Concen: 46.01 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003203.D
 Acq: 06 Jul 2018 05:54

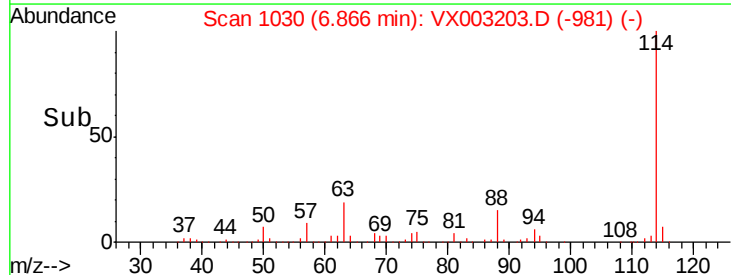
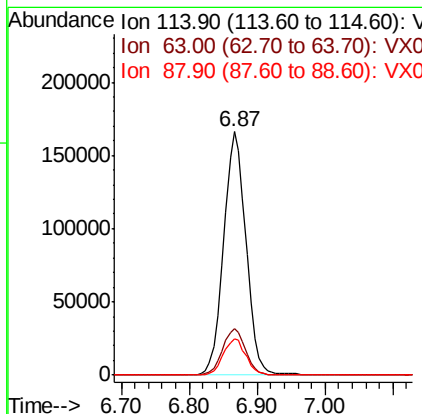
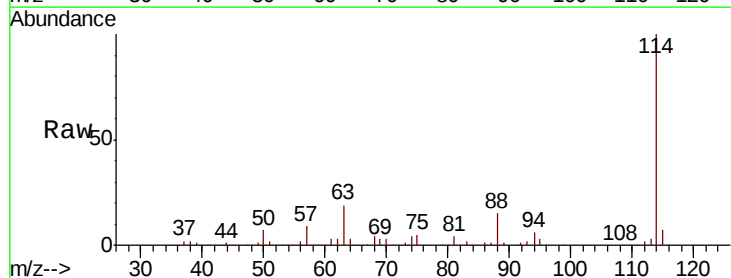
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW359-180702

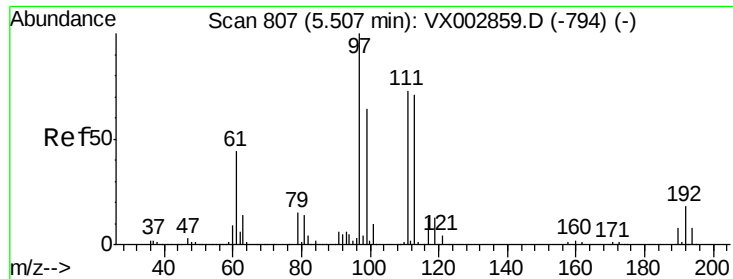
Tot Ion: 65 Resp: 174041
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003203.D
 Acq: 06 Jul 2018 05:54

Tgt Ion: 114 Resp: 379368
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 14.7 0.0 30.0

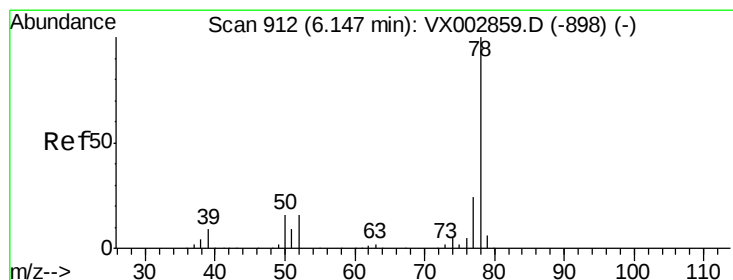
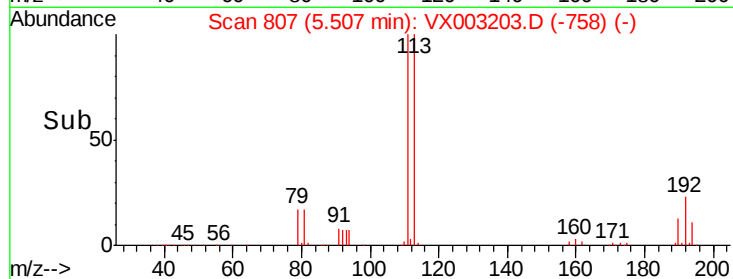
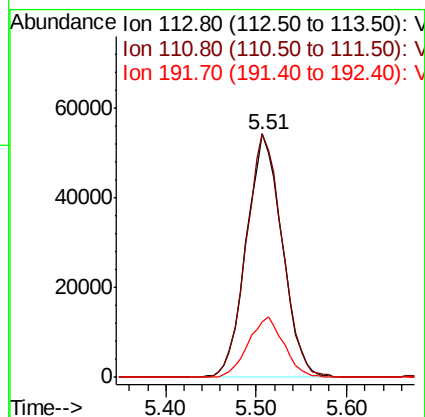
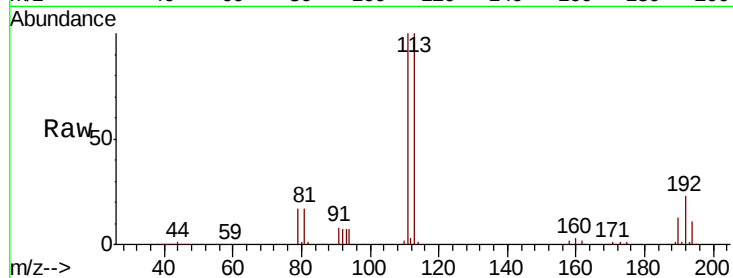




#35
 Dibromofluoromethane
 Concen: 49.39 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003203.D
 Acq: 06 Jul 2018 05:54

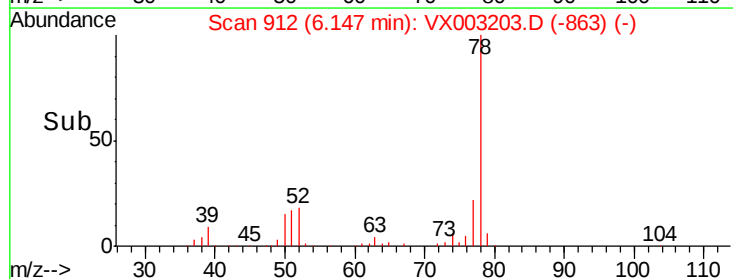
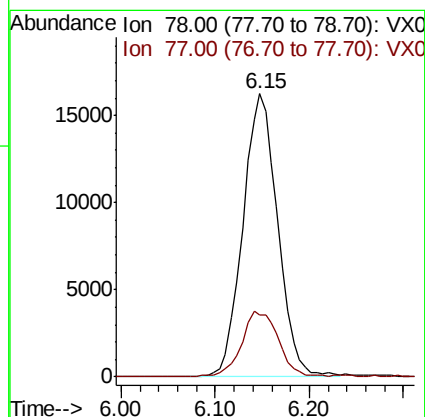
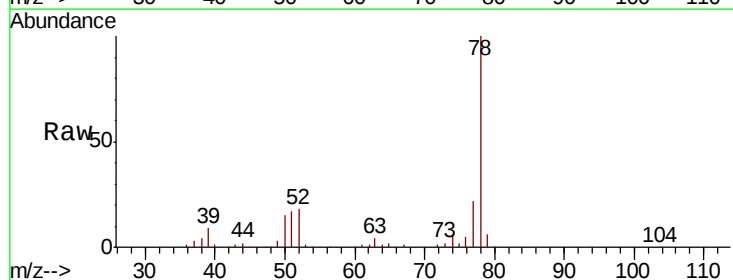
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW359-180702

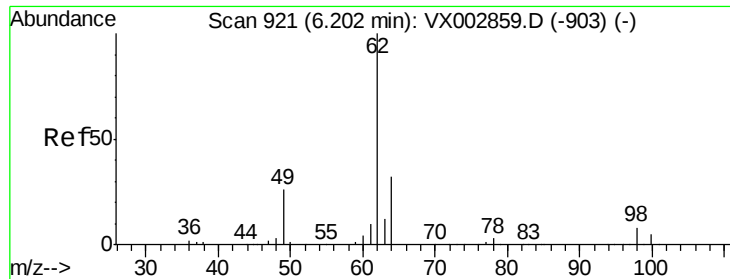
Tot Ion:113 Resp: 148374
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.4 122.0
 192 24.6 19.1 28.7



#40
 Benzene
 Concen: 3.48 ug/l
 RT: 6.15 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VX003203.D
 Acq: 06 Jul 2018 05:54

Tgt Ion: 78 Resp: 42032
 Ion Ratio Lower Upper
 78 100
 77 21.6 19.1 28.7





#42

1,2-Dichloroethane

Concen: 1.24 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

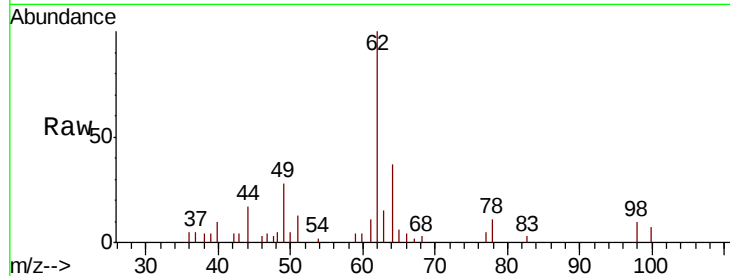
WP022MW359-180702

Tot Ion: 62 Resp: 6072

Ion Ratio Lower Upper

62 100

98 9.2 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

2500

2000

1500

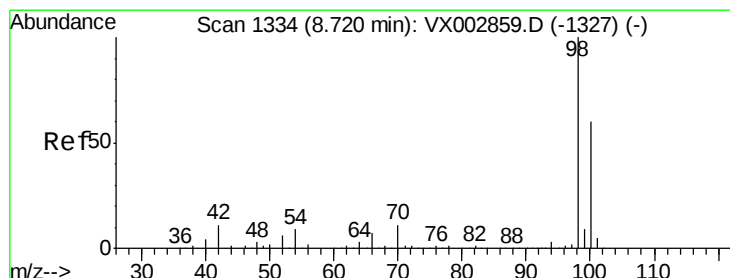
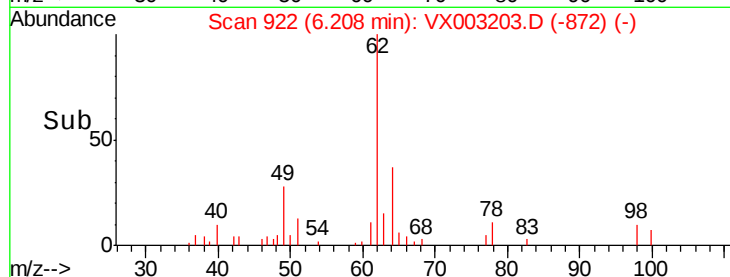
1000

500

0

6.10 6.20 6.30

Time-->



#50

Toluene-d8

Concen: 47.39 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003203.D

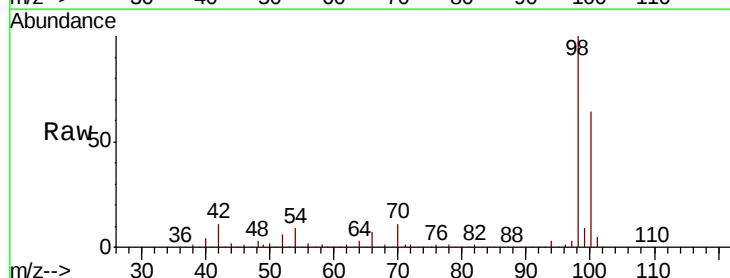
Acq: 06 Jul 2018 05:54

Tgt Ion: 98 Resp: 519942

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

400000

300000

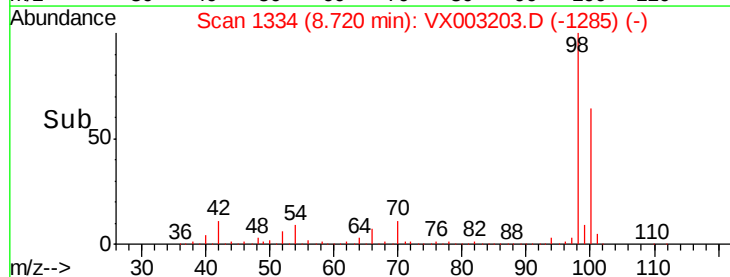
200000

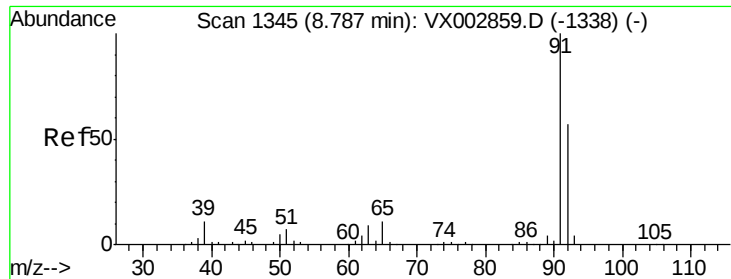
100000

0

8.60 8.70 8.80 8.90

Time-->





#52

Toluene

Concen: 1.13 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

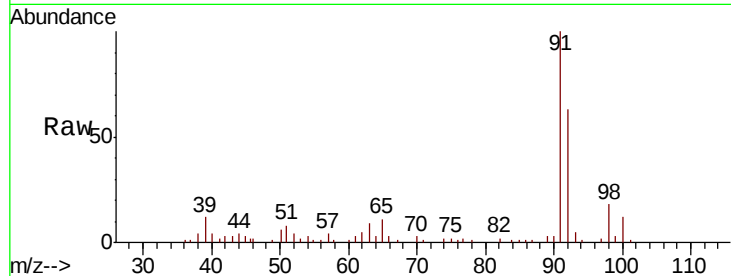
WP022MW359-180702

Tot Ion: 92 Resp: 8737

Ion Ratio Lower Upper

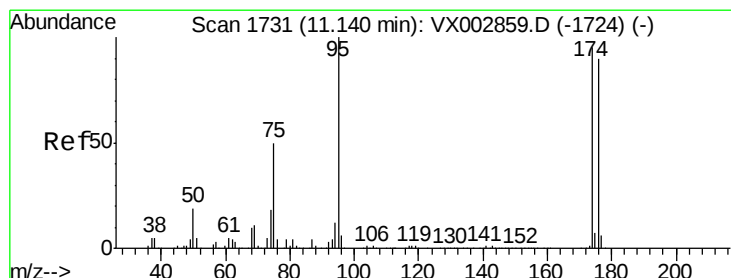
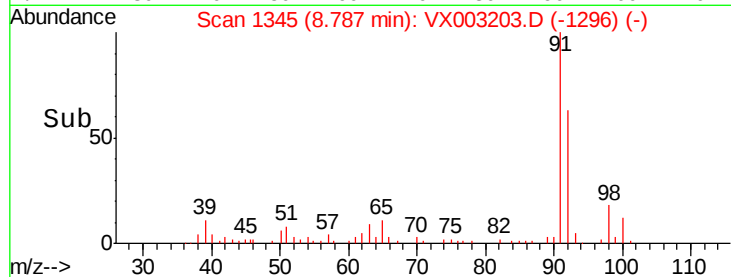
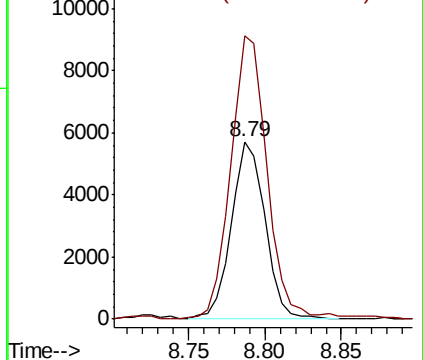
92 100

91 173.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

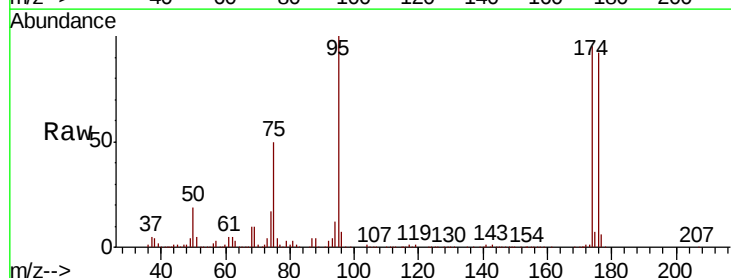
Tgt Ion: 95 Resp: 184618

Ion Ratio Lower Upper

95 100

174 98.9 0.0 187.4

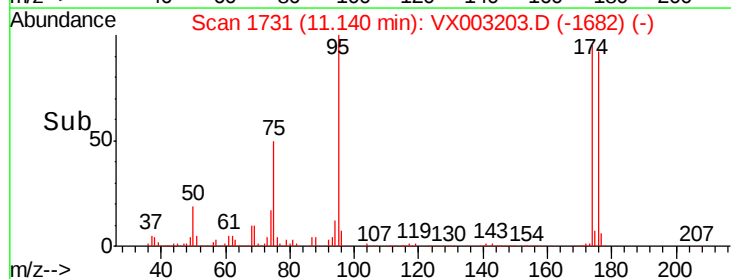
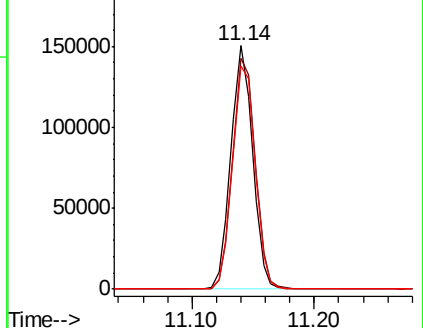
176 95.9 0.0 181.0

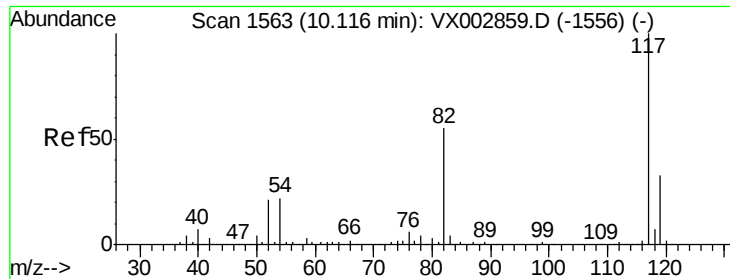


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

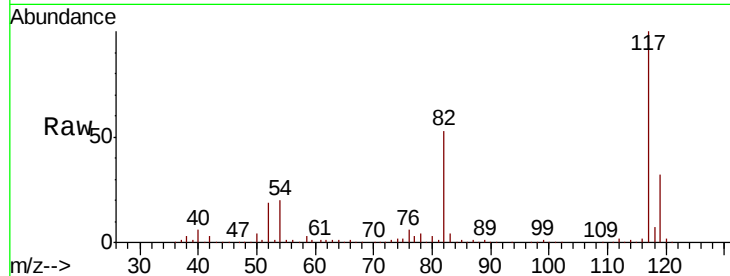




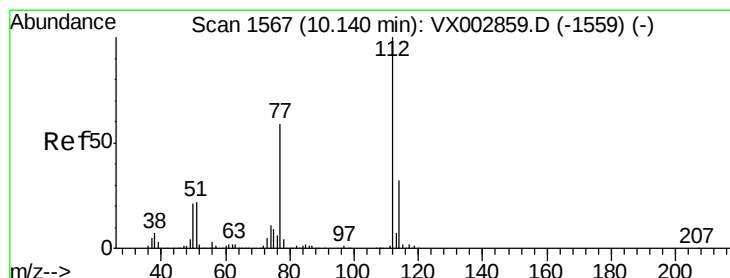
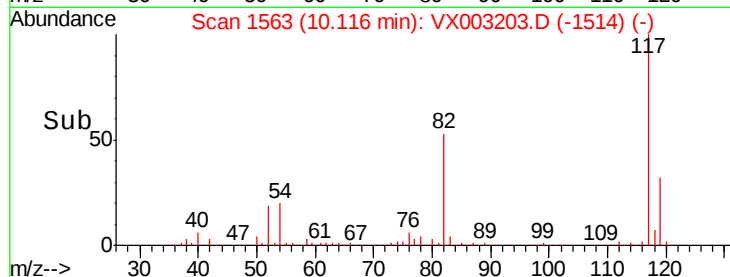
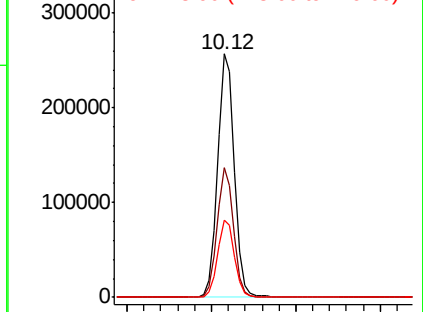
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

Instrument :
MSVOA_X
ClientSampleId :
WP022MW359-180702

Tot Ion:117 Resp: 353059
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.4
119 31.9 25.8 38.6

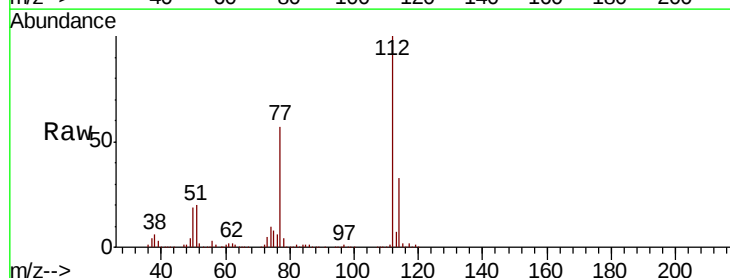


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

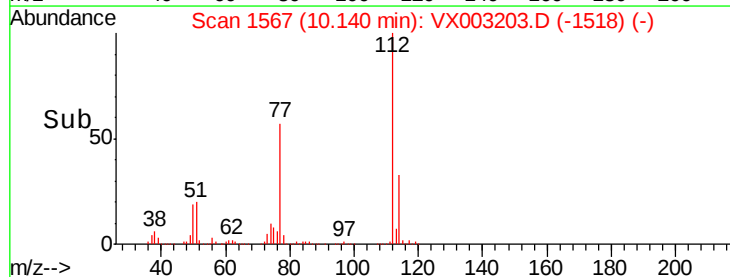
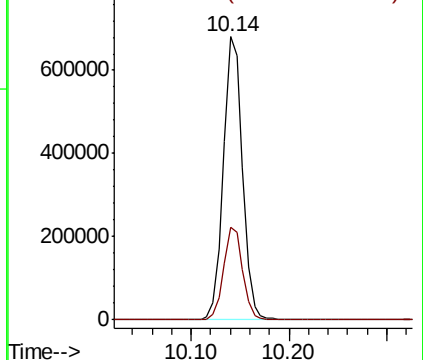


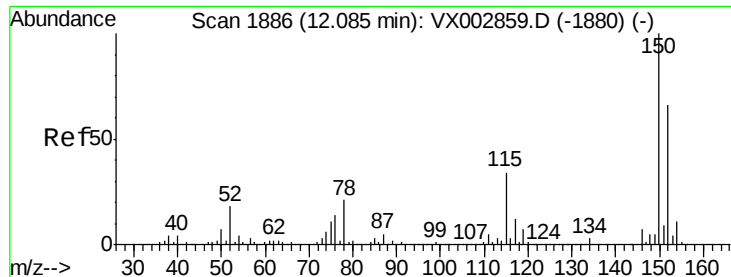
#65
Chlorobenzene
Concen: 103.04 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

Tgt Ion:112 Resp: 924040
Ion Ratio Lower Upper
112 100
114 32.5 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: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180702

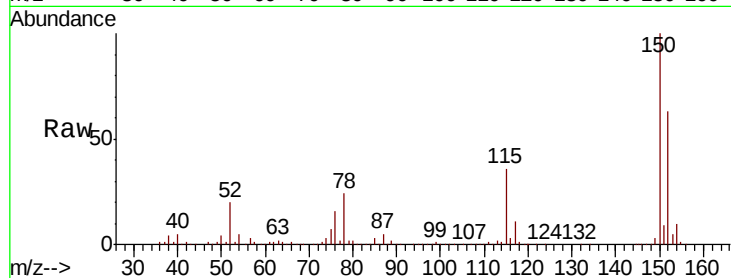
Tot Ion:152 Resp: 195878

Ion Ratio Lower Upper

152 100

115 54.2 40.1 120.2

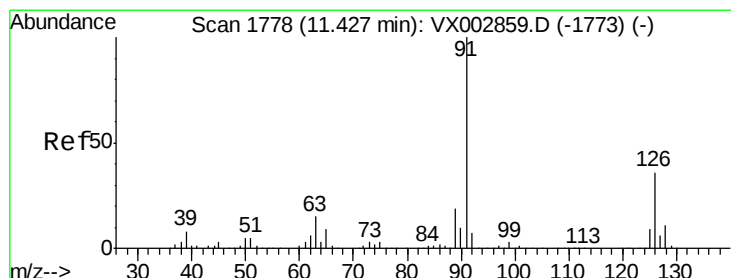
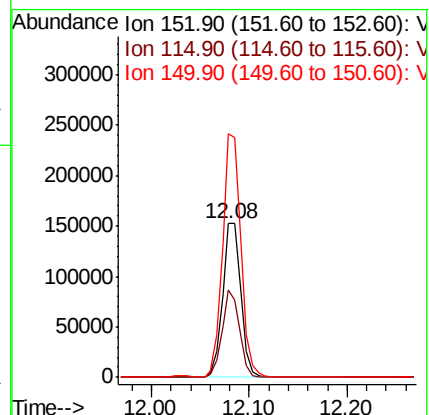
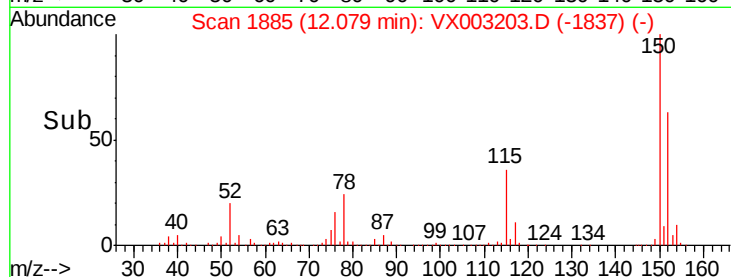
150 159.8 0.0 347.2



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: 0.22 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003203.D

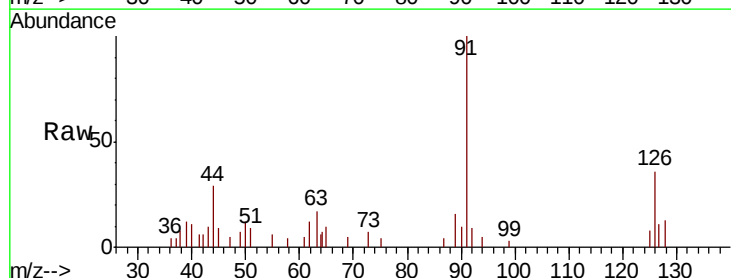
Acq: 06 Jul 2018 05:54

Tgt Ion: 91 Resp: 2001

Ion Ratio Lower Upper

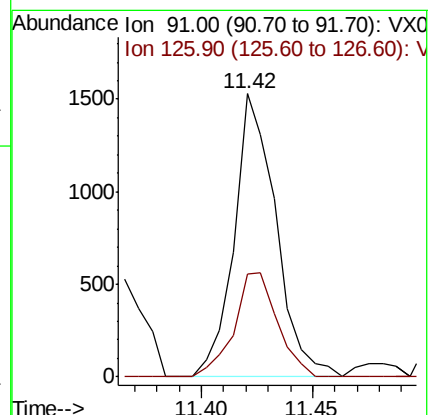
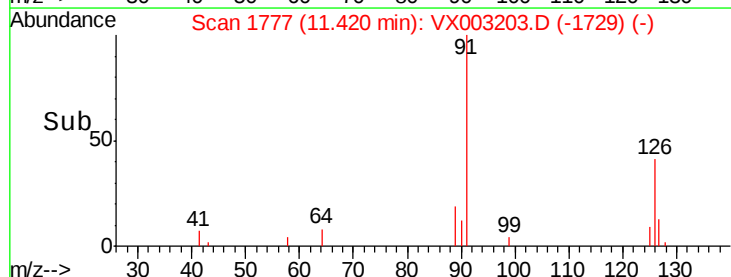
91 100

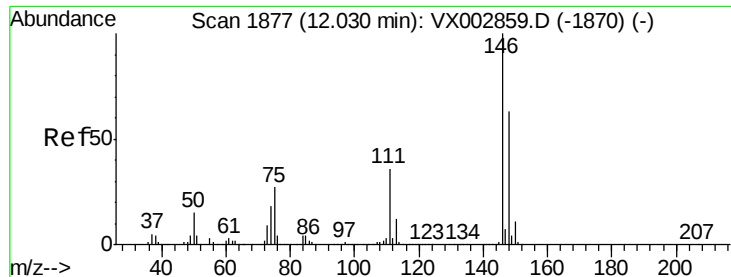
126 38.2 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#87

1,3-Dichlorobenzene

Concen: 3.38 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180702

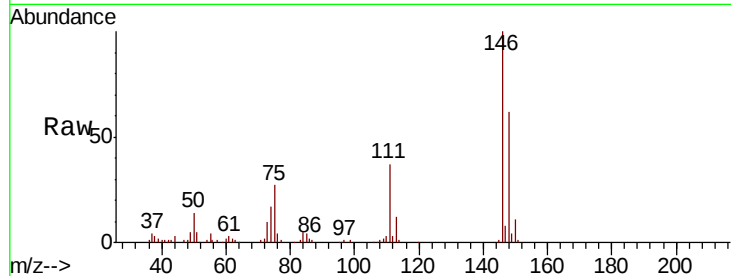
Tot Ion:146 Resp: 23177

Ion Ratio Lower Upper

146 100

111 37.1 18.9 56.7

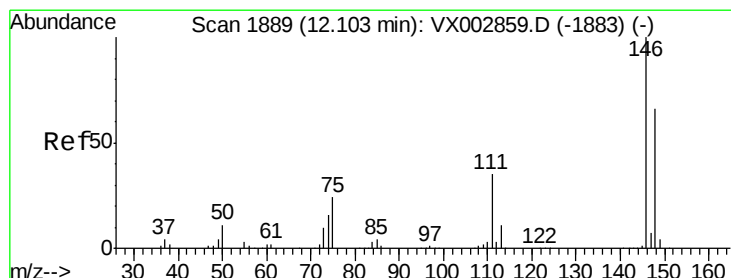
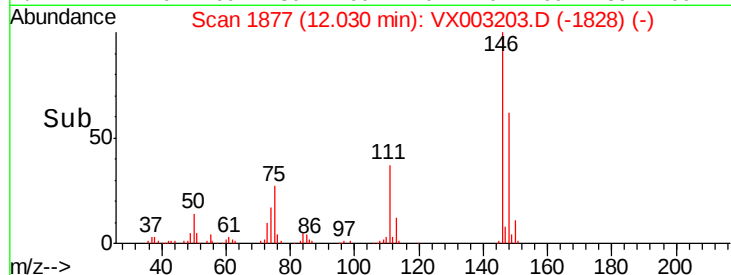
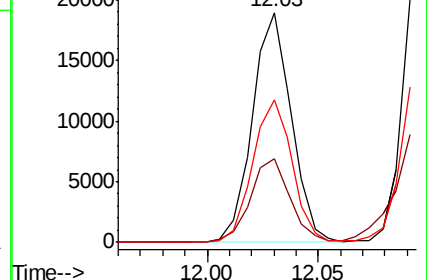
148 62.9 32.1 96.3



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: 7.30 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

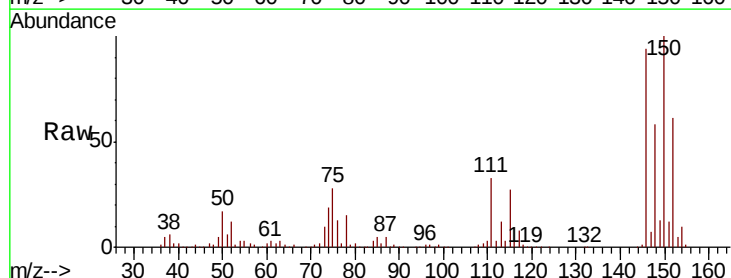
Tgt Ion:146 Resp: 51454

Ion Ratio Lower Upper

146 100

111 39.2 18.7 56.1

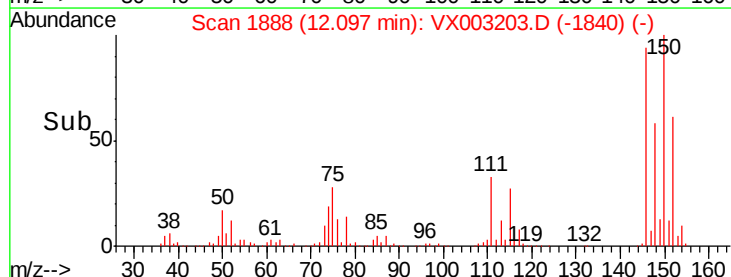
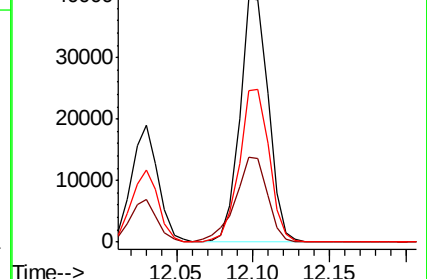
148 65.4 32.4 97.0

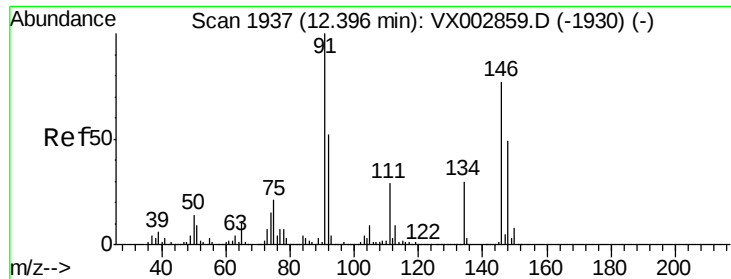


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

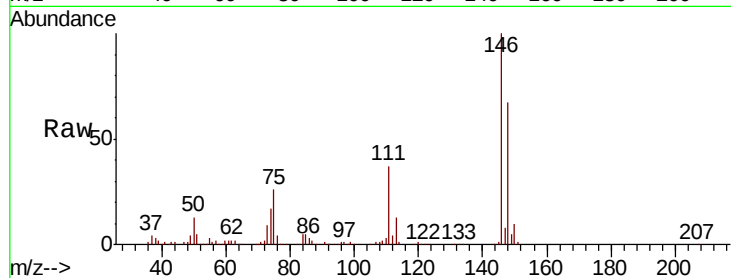




#91
 1,2-Dichlorobenzene
 Concen: 7.36 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003203.D
 Acq: 06 Jul 2018 05:54

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW359-180702

Tot Ion:146 Resp: 50919
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.1
 148 65.6 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

