

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003193.D
 Acq On : 06 Jul 2018 01:27
 Operator : JC/MD
 Sample : J3846-01DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW350-180702DL

Quant Time: Jul 06 03:45:10 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	293810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	404494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	379343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212512	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	186073	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
35) Dibromofluoromethane	5.51	113	155777	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	8.72	98	567169	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.14	95	199990	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	

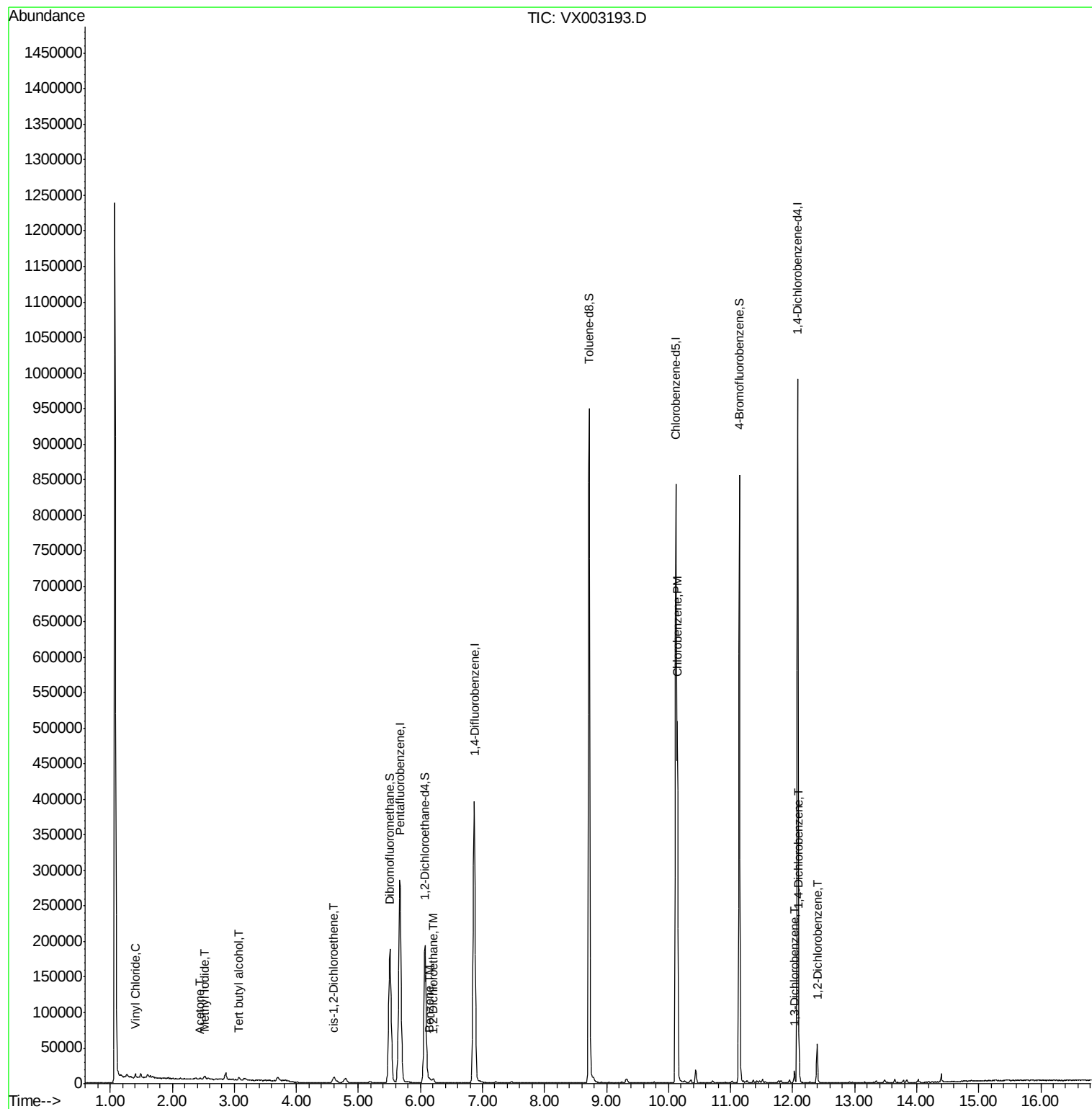
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2865	0.86	ug/l #	78
10) Methyl Iodide	2.52	142	4706	7.48	ug/l	98
11) Tert butyl alcohol	3.07	59	4832	5.97	ug/l #	88
16) Acetone	2.45	43	1650	0.98	ug/l #	89
27) cis-1,2-Dichloroethene	4.60	96	3759	1.06	ug/l	11
40) Benzene	6.15	78	5885	0.46	ug/l	98
42) 1,2-Dichloroethane	6.21	62	6325	1.21	ug/l	95
65) Chlorobenzene	10.14	112	209277	21.72	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	5259	0.71	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	13437	1.76	ug/l	85
91) 1,2-Dichlorobenzene	12.40	146	16746	2.23	ug/l	97

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

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Quant Method : Z:\V0ASRV\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# 833

Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA_X

ClientSampleId :

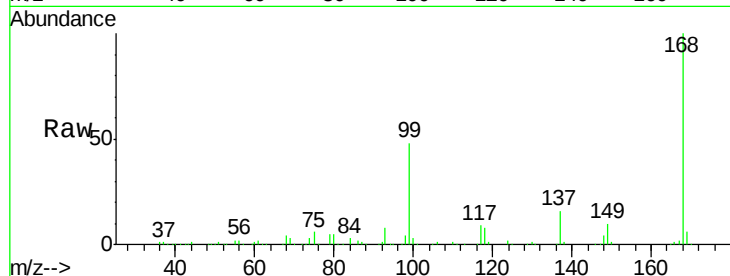
WP022RW350-180702DL

Tot Ion:168 Resp: 293810

Ion Ratio Lower Upper

168 100

99 48.2 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

120000

100000

80000

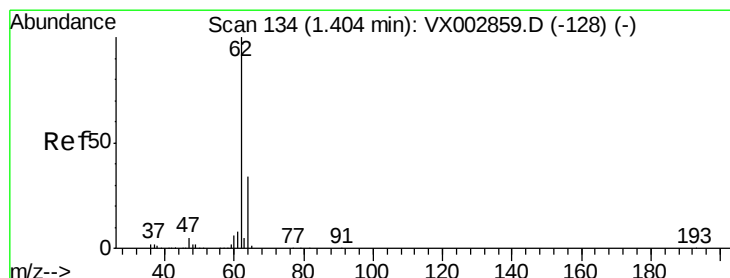
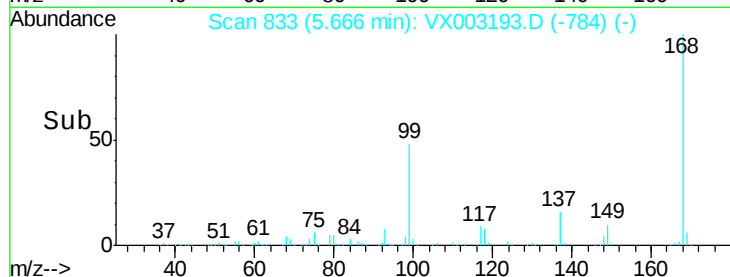
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.86 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003193.D

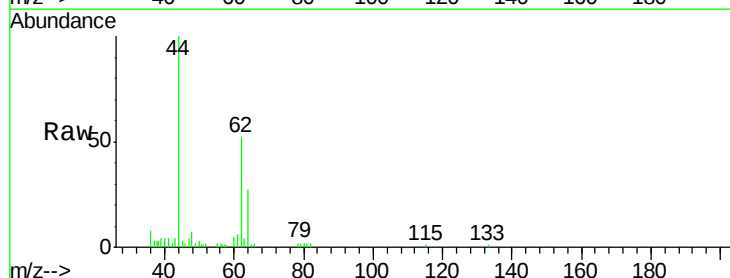
Acq: 06 Jul 2018 01:27

Tgt Ion: 62 Resp: 2865

Ion Ratio Lower Upper

62 100

64 44.0 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

3000

2500

2000

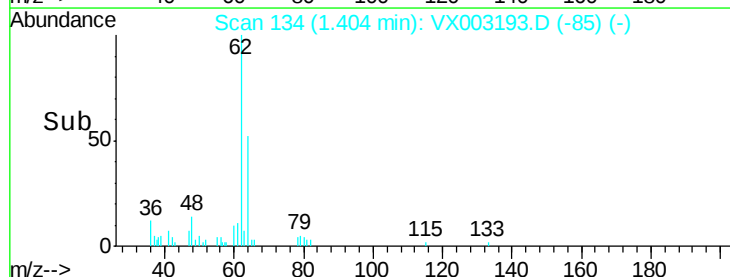
1500

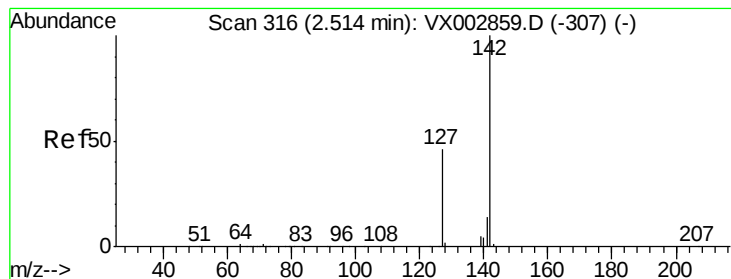
1000

500

0

Time--> 1.35 1.40 1.45





#10

Methyl Iodide

Concen: 7.48 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA_X

ClientSampleId :

WP022RW350-180702DL

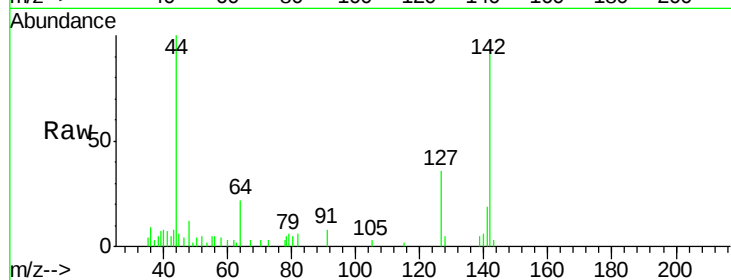
Tot Ion:142 Resp: 4706

Ion Ratio Lower Upper

142 100

127 44.5 36.6 55.0

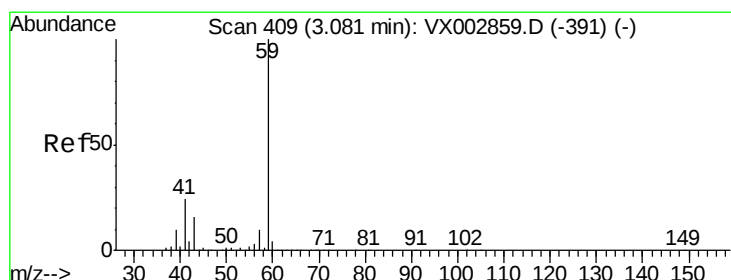
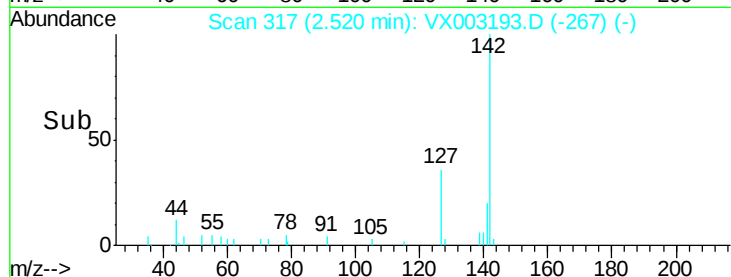
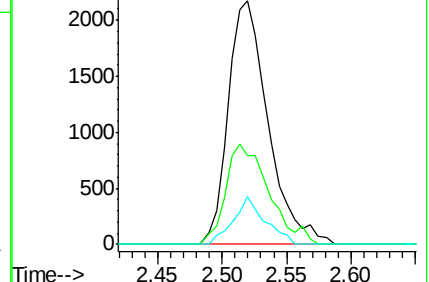
141 15.6 11.3 16.9



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: 5.97 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003193.D

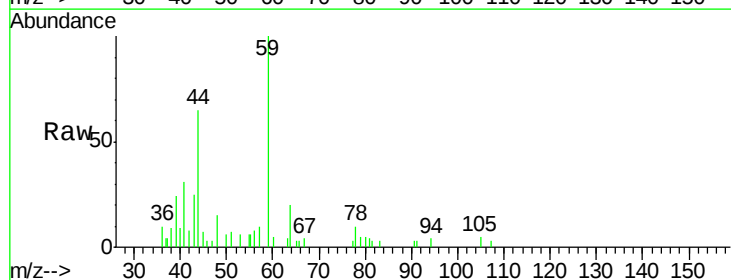
Acq: 06 Jul 2018 01:27

Tgt Ion: 59 Resp: 4832

Ion Ratio Lower Upper

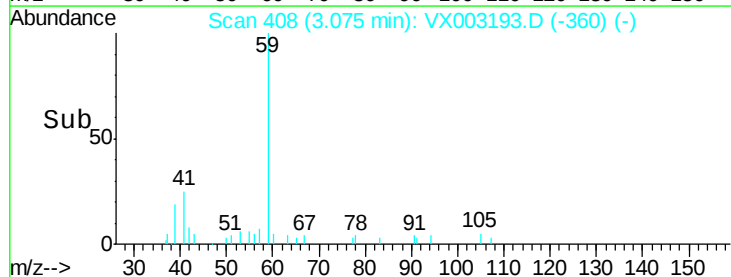
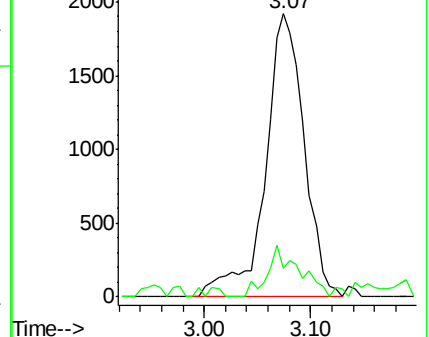
59 100

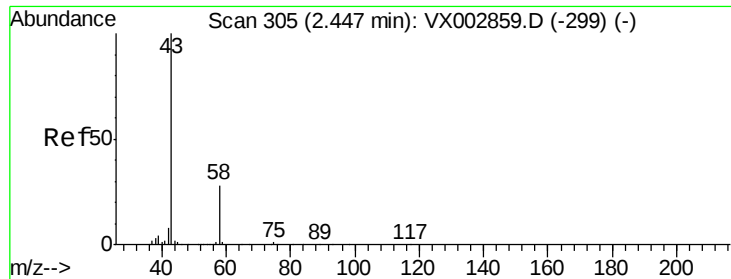
57 14.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.98 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA_X

ClientSampleId :

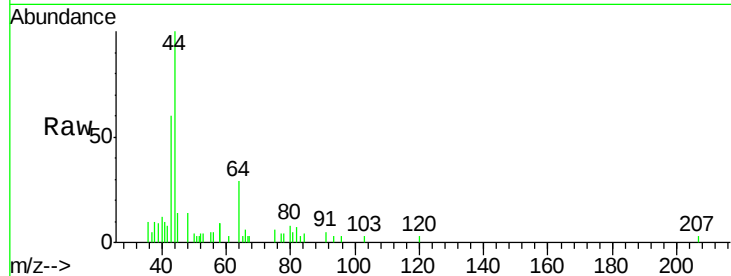
WP022RW350-180702DL

Tot Ion: 43 Resp: 1650

Ion Ratio Lower Upper

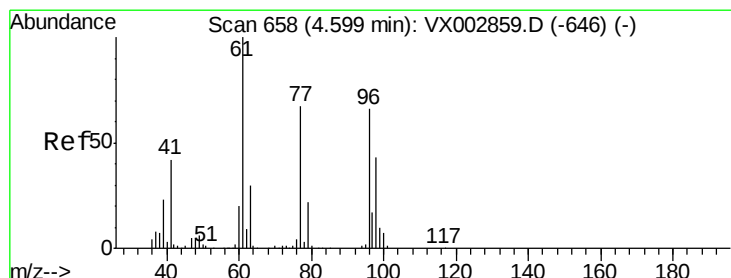
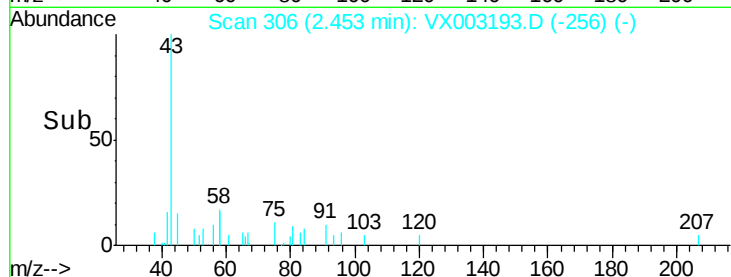
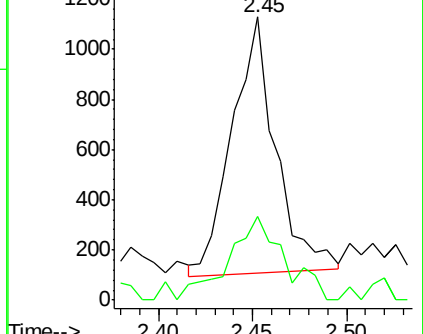
43 100

58 33.5 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.06 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

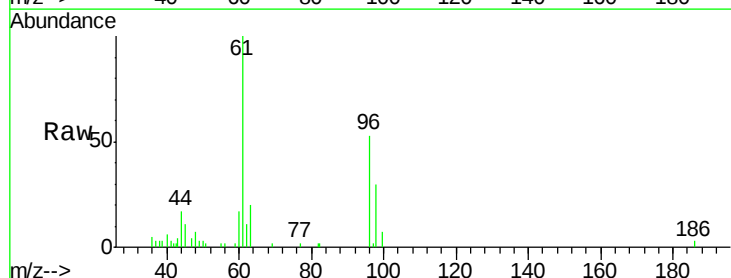
Tgt Ion: 96 Resp: 3759

Ion Ratio Lower Upper

96 100

61 330.1 0.0 330.2

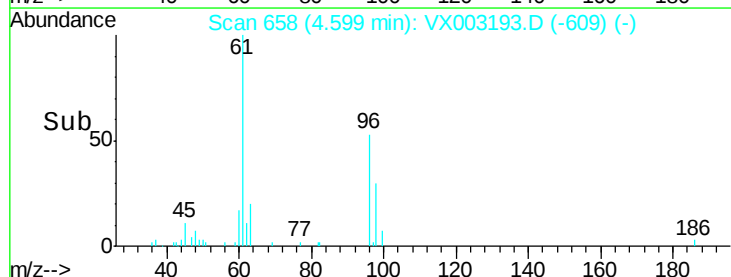
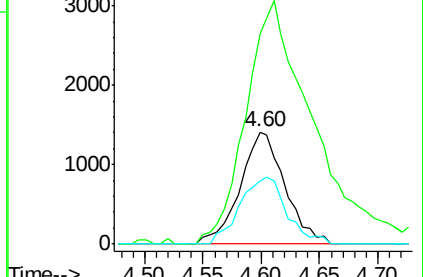
98 62.5 0.0 130.2

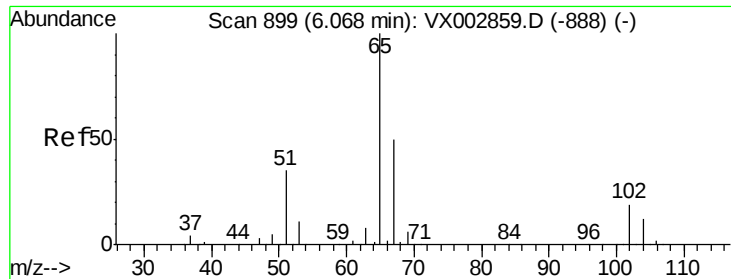


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

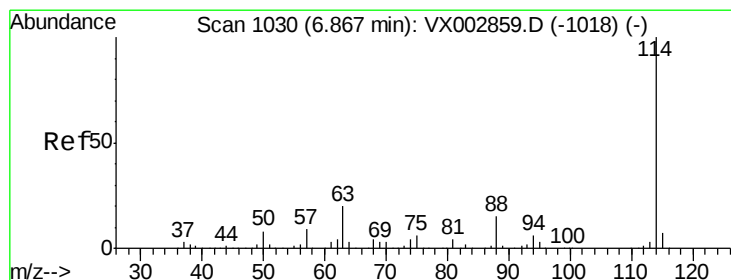
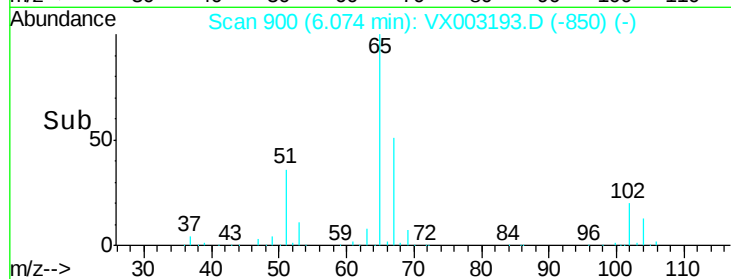
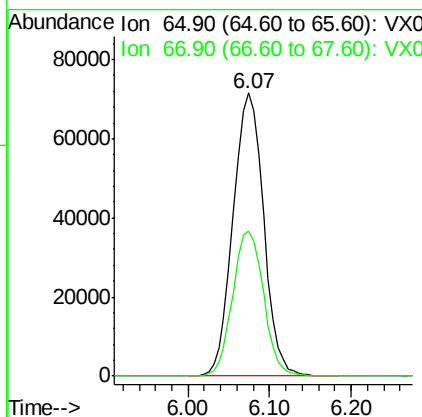
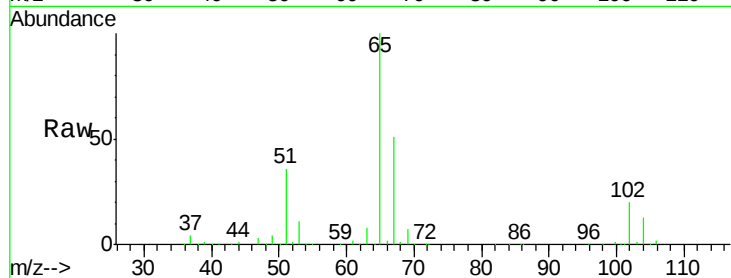




#33
 1,2-Dichloroethane-d4
 Concen: 45.82 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003193.D
 Acq: 06 Jul 2018 01:27

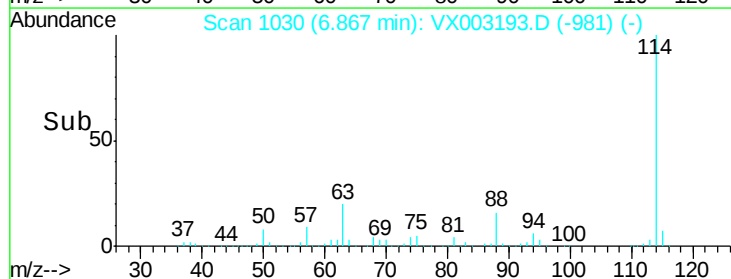
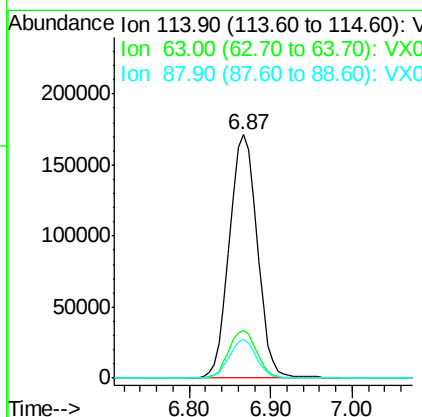
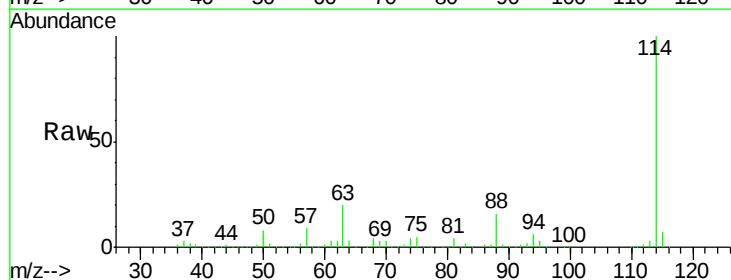
Instrument :
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 ClientSampleId :
 WP022RW350-180702DL

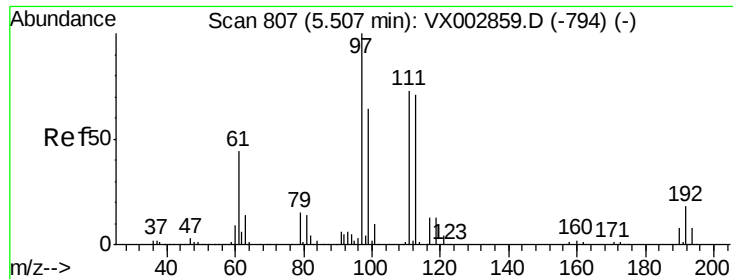
Tot Ion: 65 Resp: 186073
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003193.D
 Acq: 06 Jul 2018 01:27

Tgt Ion: 114 Resp: 404494
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.4
 88 15.7 0.0 30.0

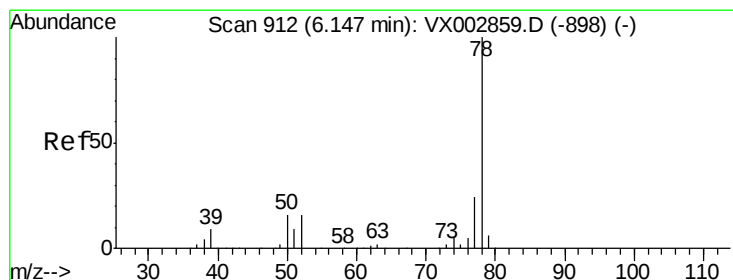
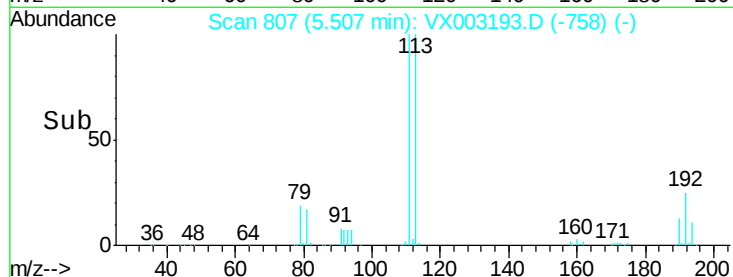
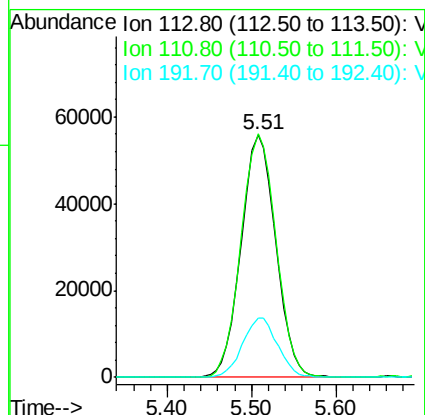
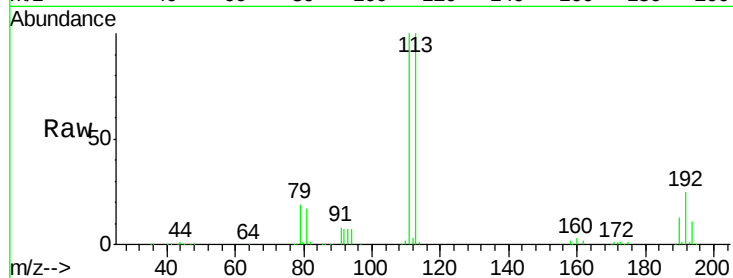




#35
 Dibromofluoromethane
 Concen: 48.63 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003193.D
 Acq: 06 Jul 2018 01:27

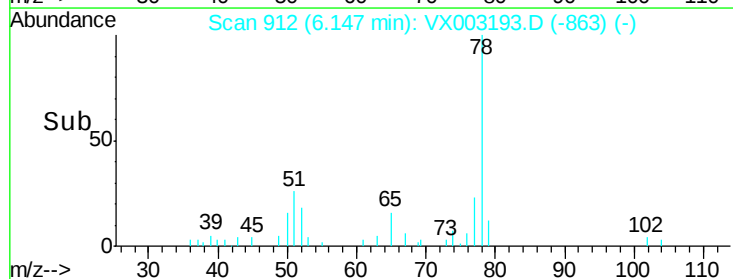
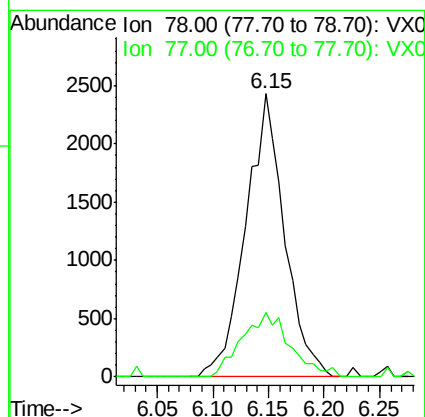
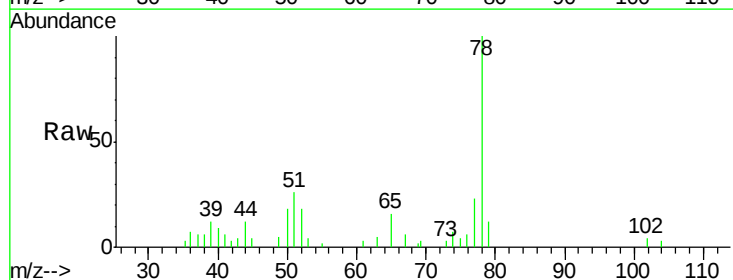
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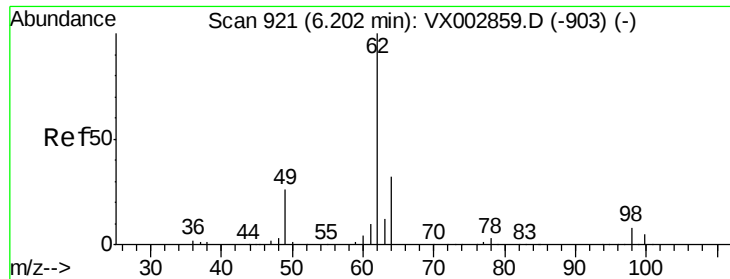
Tot Ion:113 Resp: 155777
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.4 122.0
 192 24.7 19.1 28.7



#40
 Benzene
 Concen: 0.46 ug/l
 RT: 6.15 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VX003193.D
 Acq: 06 Jul 2018 01:27

Tgt Ion: 78 Resp: 5885
 Ion Ratio Lower Upper
 78 100
 77 23.0 19.1 28.7

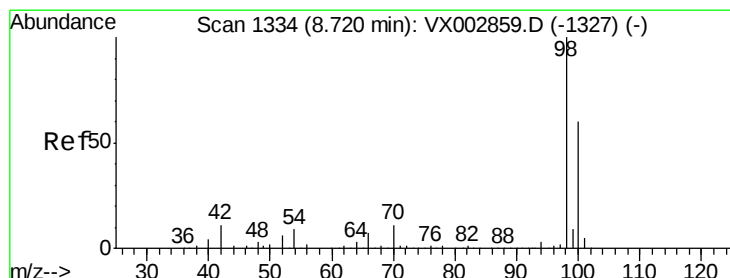
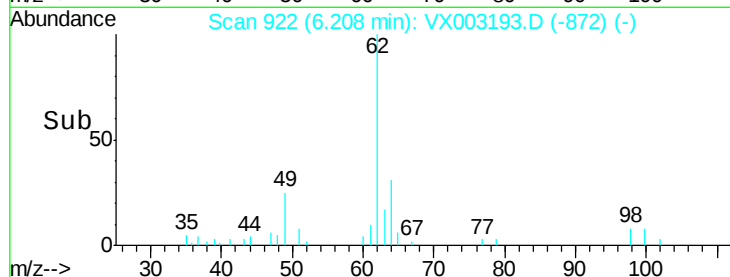
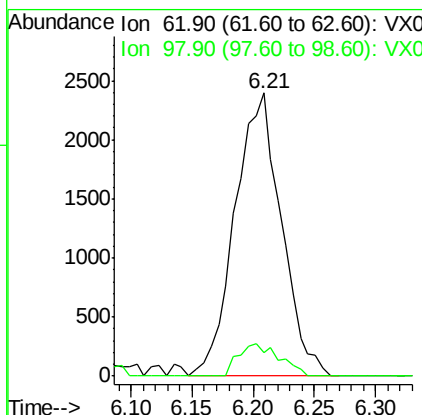
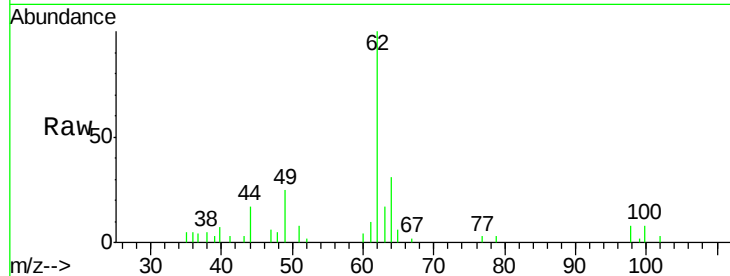




#42
 1,2-Dichloroethane
 Concen: 1.21 ug/l
 RT: 6.21 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VX003193.D
 Acq: 06 Jul 2018 01:27

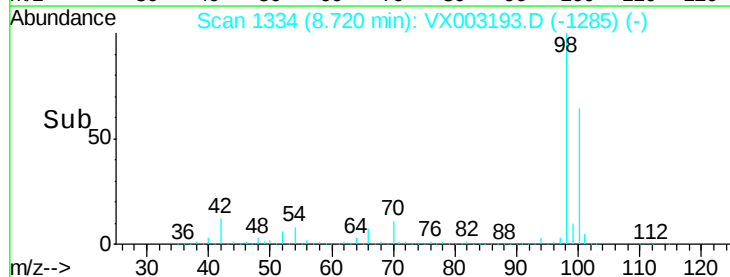
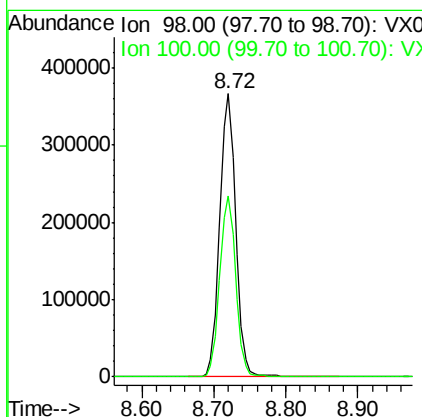
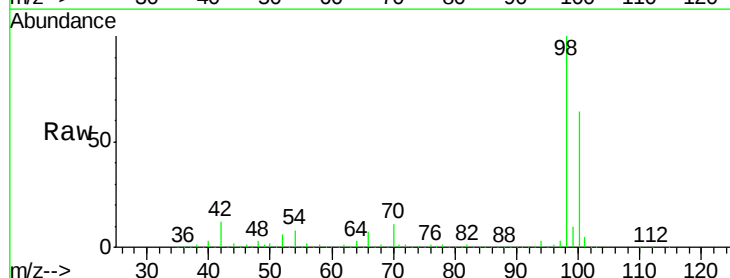
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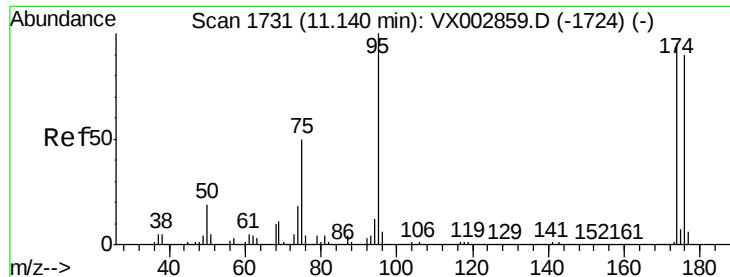
Tot Ion: 62 Resp: 6325
 Ion Ratio Lower Upper
 62 100
 98 10.1 0.0 16.6



#50
 Toluene-d8
 Concen: 48.49 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003193.D
 Acq: 06 Jul 2018 01:27

Tgt Ion: 98 Resp: 567169
 Ion Ratio Lower Upper
 98 100
 100 64.1 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 44.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA_X

ClientSampleId :

WP022RW350-180702DL

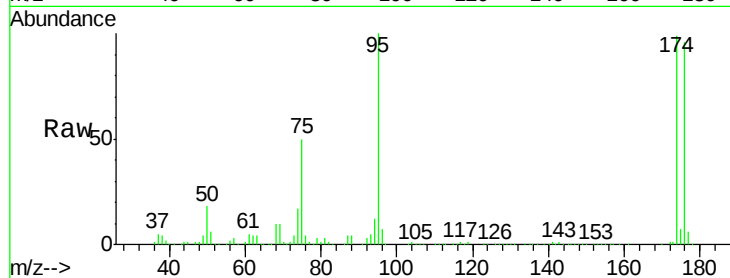
Tot Ion: 95 Resp: 199990

Ion Ratio Lower Upper

95 100

174 100.1 0.0 187.4

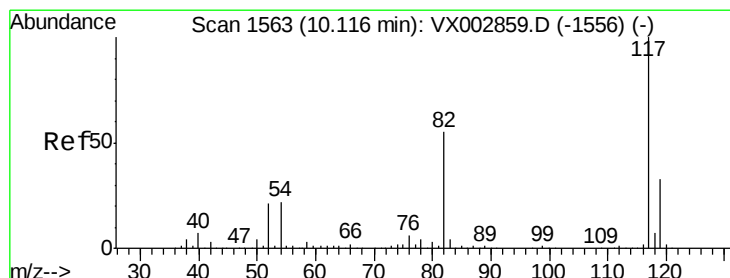
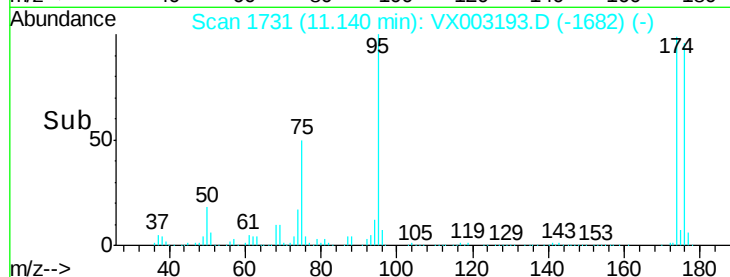
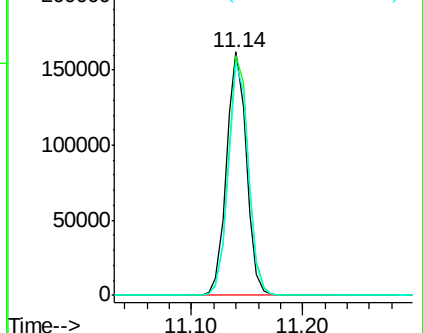
176 96.0 0.0 181.0



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: VX003193.D

Acq: 06 Jul 2018 01:27

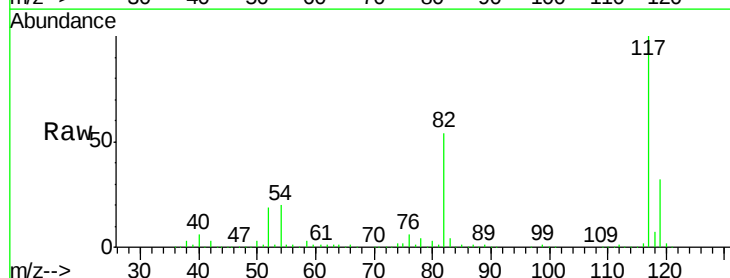
Tgt Ion: 117 Resp: 379343

Ion Ratio Lower Upper

117 100

82 53.6 45.0 67.4

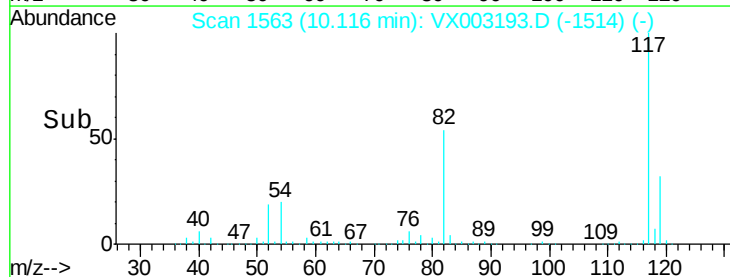
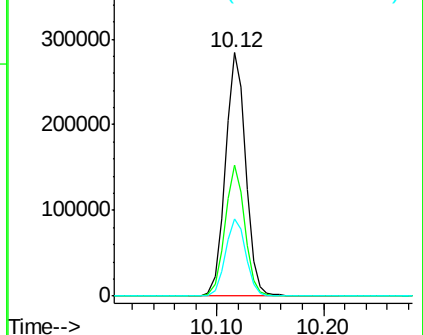
119 31.8 25.8 38.6

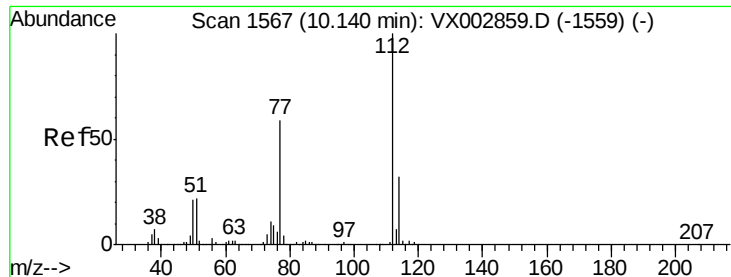


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#65

Chlorobenzene

Concen: 21.72 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA_X

ClientSampleId :

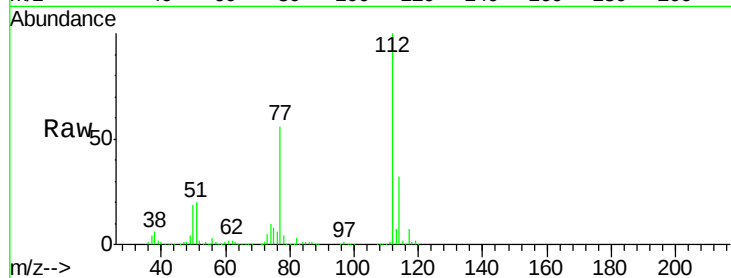
WP022RW350-180702DL

Tot Ion:112 Resp: 209277

Ion Ratio Lower Upper

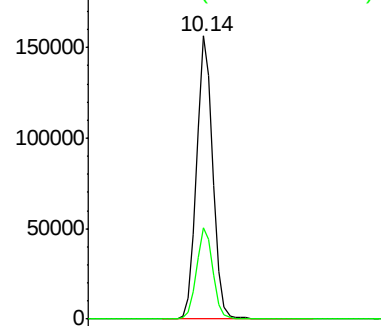
112 100

114 32.5 25.3 37.9

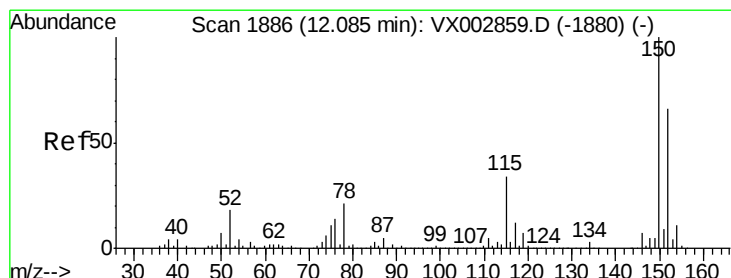
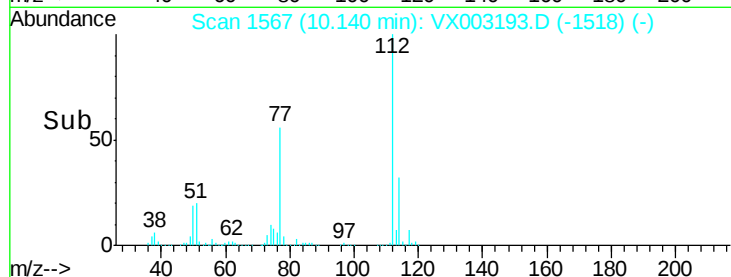


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

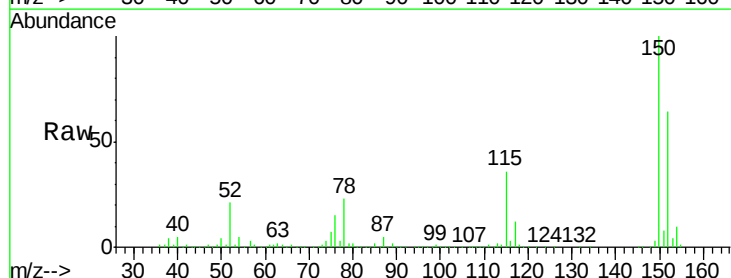
Tgt Ion:152 Resp: 212512

Ion Ratio Lower Upper

152 100

115 54.0 40.1 120.2

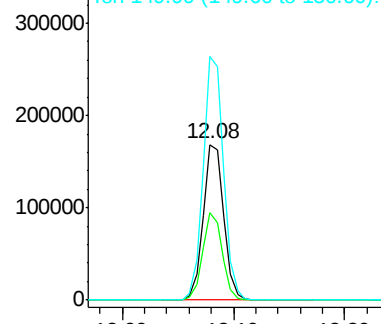
150 156.0 0.0 347.2



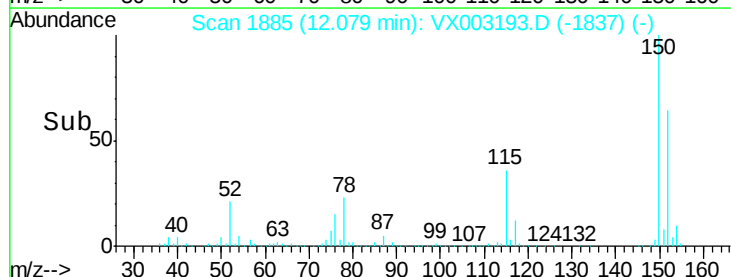
Abundance Ion 151.90 (151.60 to 152.60): V

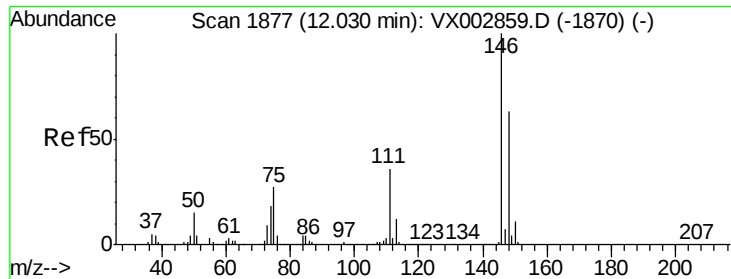
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->

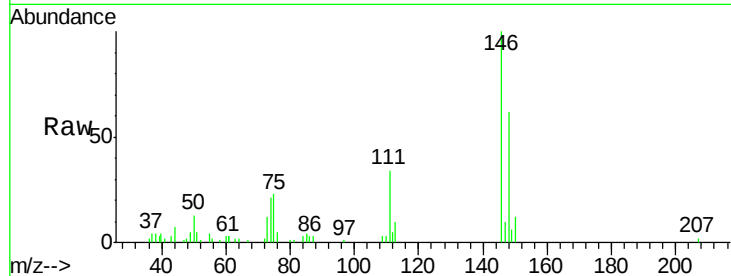




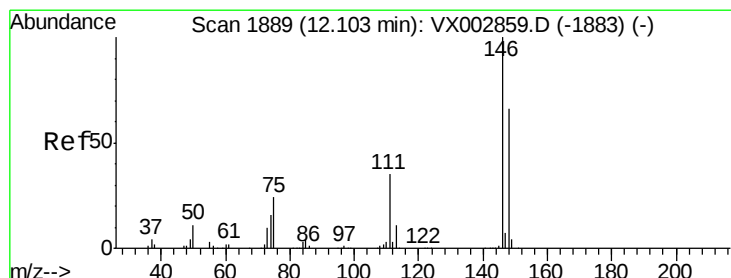
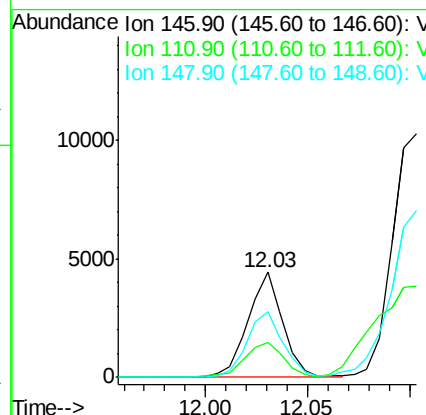
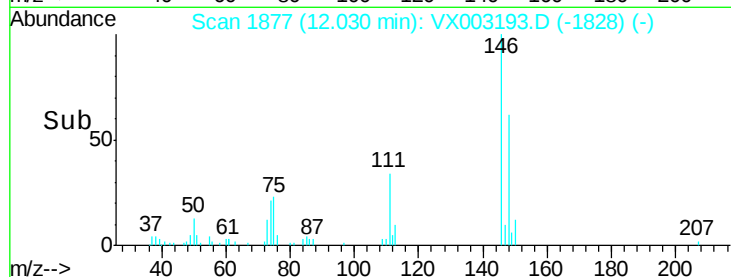
#87
 1,3-Dichlorobenzene
 Concen: 0.71 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003193.D
 Acq: 06 Jul 2018 01:27

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW350-180702DL

Tot Ion:146 Resp: 5259
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.9 56.7
 148 64.6 32.1 96.3

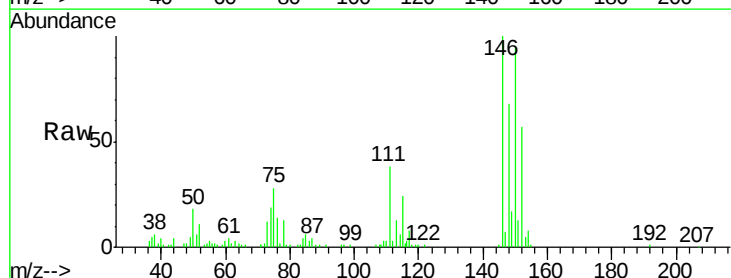


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

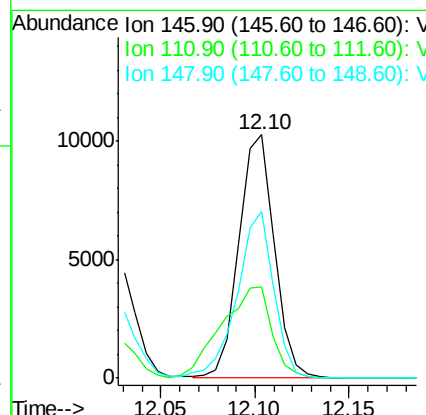
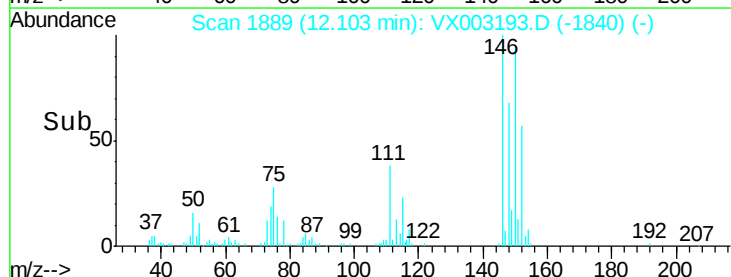


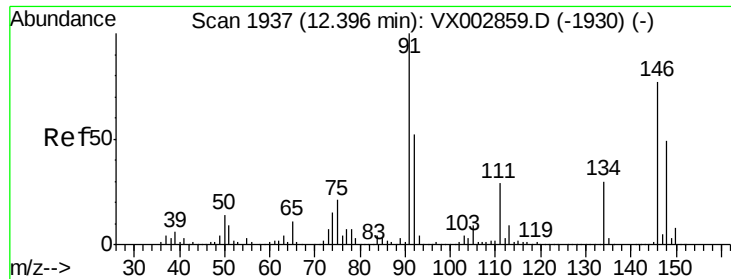
#88
 1,4-Dichlorobenzene
 Concen: 1.76 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003193.D
 Acq: 06 Jul 2018 01:27

Tgt Ion:146 Resp: 13437
 Ion Ratio Lower Upper
 146 100
 111 53.5 18.7 56.1
 148 70.5 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: 2.23 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA_X

ClientSampleId :

WP022RW350-180702DL

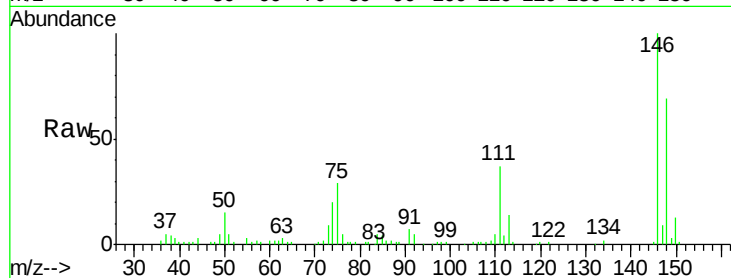
Tot Ion:146 Resp: 16746

Ion Ratio Lower Upper

146 100

111 36.1 19.4 58.1

148 65.5 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

