

Data File : VX003018.D
Acq On : 29 Jun 2018 07:08
Operator : JC/MD
Sample : J3720-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-20

Manual Integrations
APPROVED

MMDadoda
6/29/2018 12:23:05 PM

Quant Time: Jul 07 03:57:23 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	294270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	411493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	385990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	221709	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	195878	48.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.32%	
35) Dibromofluoromethane	5.51	113	158643	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
50) Toluene-d8	8.72	98	579806	48.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.14	95	209889	45.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.48%	
Target Compounds						
65) Chlorobenzene	10.14	112	49762	5.076	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	2255	0.291	ug/l	95
88) 1,4-Dichlorobenzene	12.10	146	8831m	1.106	ug/l	
91) 1,2-Dichlorobenzene	12.40	146	4719	0.603	ug/l	92

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

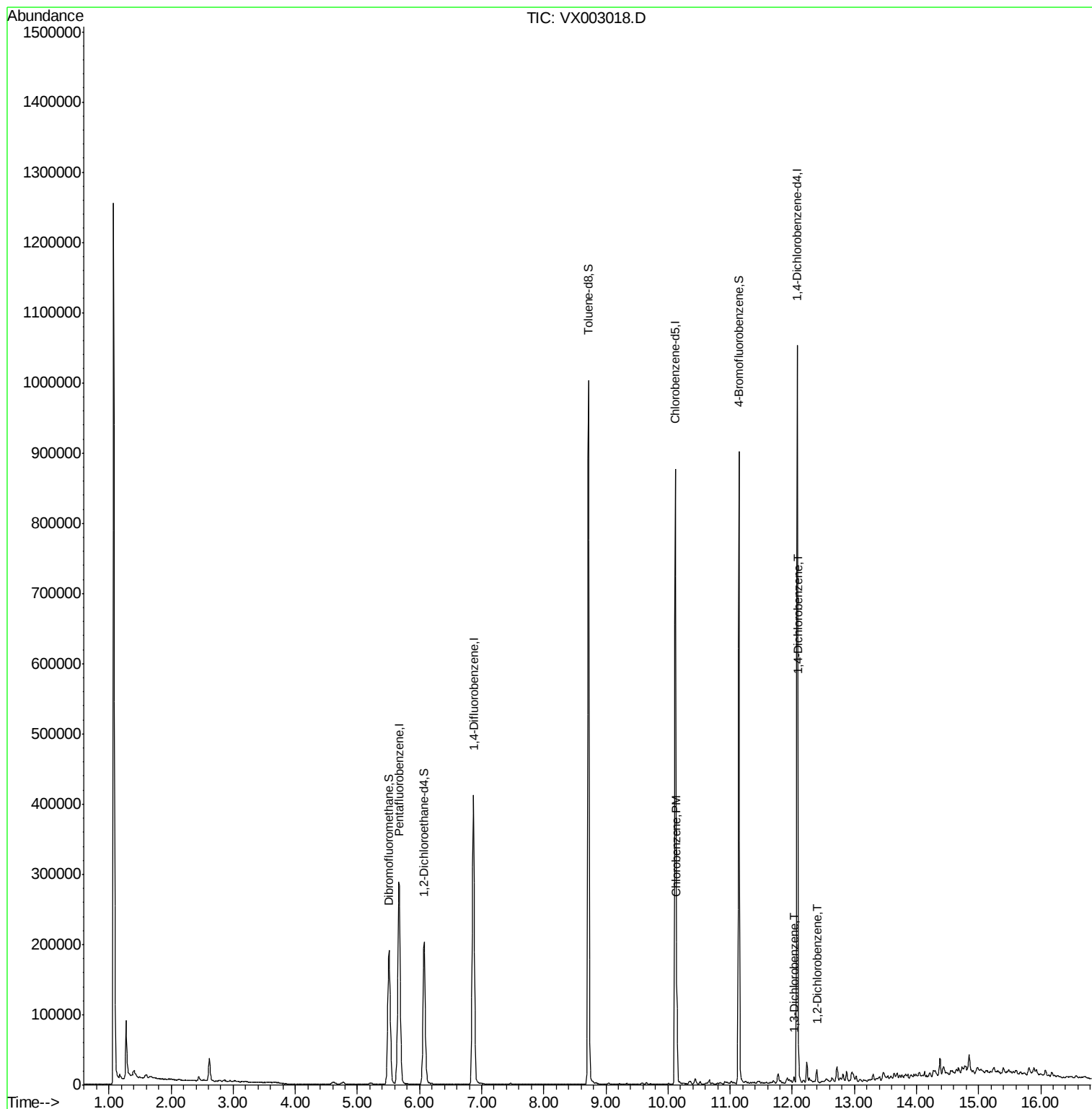
Data File : VX003018.D
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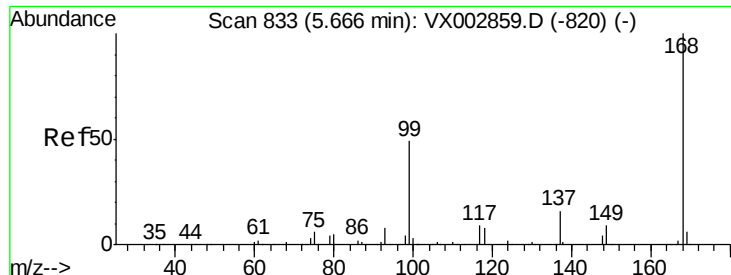
Instrument :
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Quant Time: Jul 07 03:57:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

ClientSampleId :

MW-20

Tgt Ion: 168 Resp: 294270

Ion Ratio Lower Upper

168 100

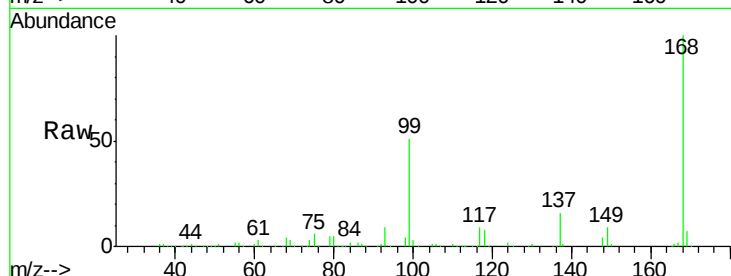
99 50.8 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

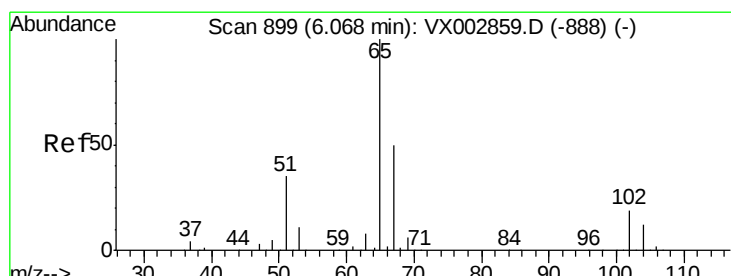
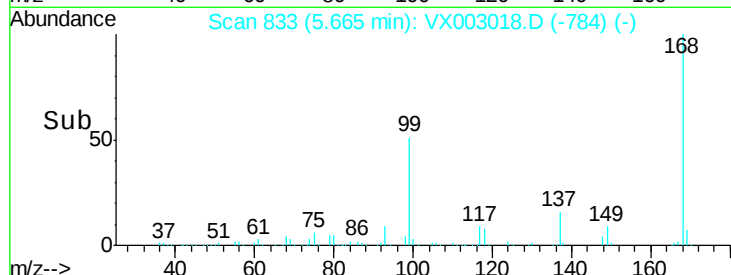
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.158 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003018.D

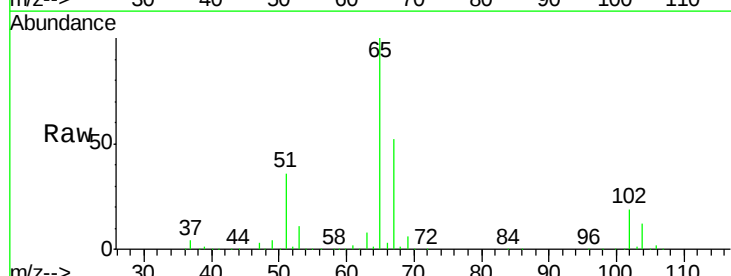
Acq: 29 Jun 2018 07:08

Tgt Ion: 65 Resp: 195878

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

80000

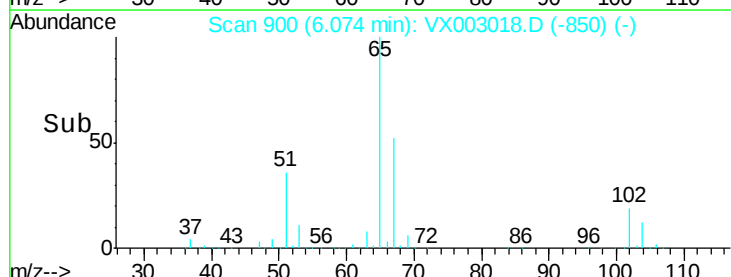
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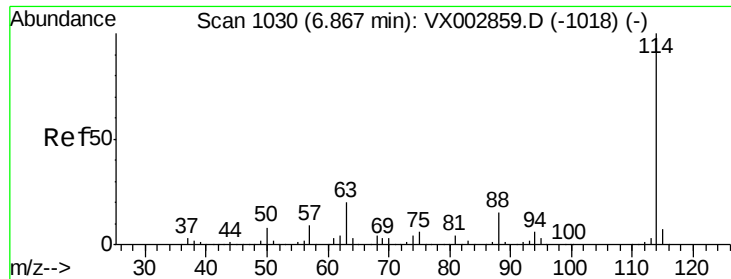
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





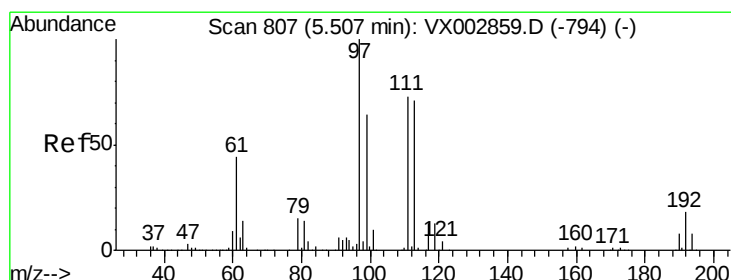
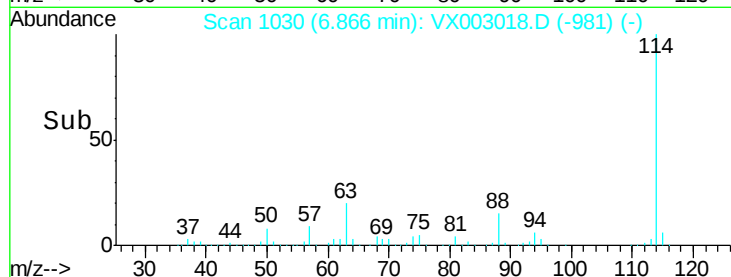
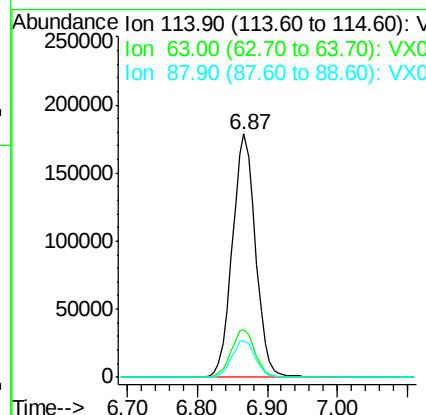
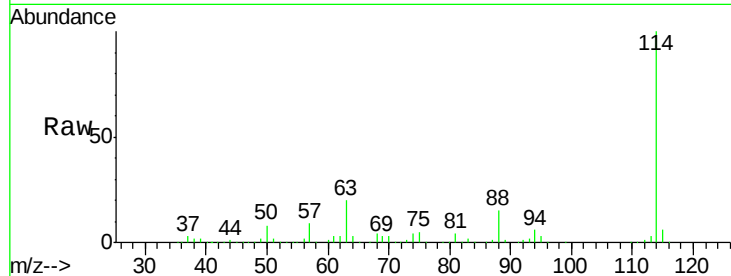
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

Instrument :
MSVOA_X
ClientSampleId :
MW-20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	411493		
63	19.7	0.0	41.4	
88	15.1	0.0	30.0	

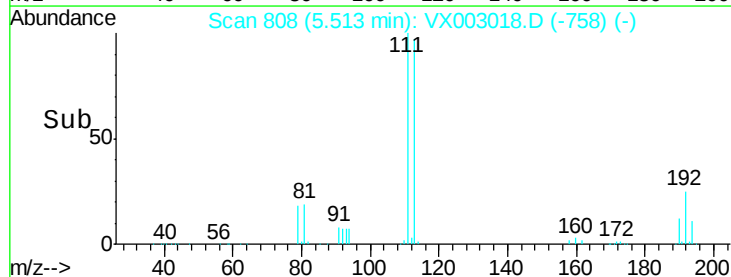
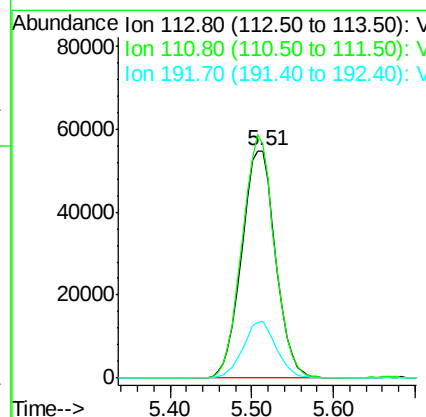
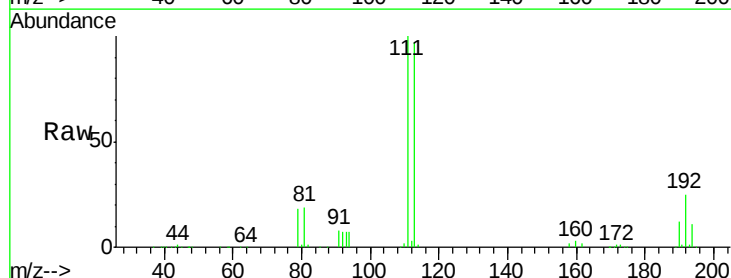
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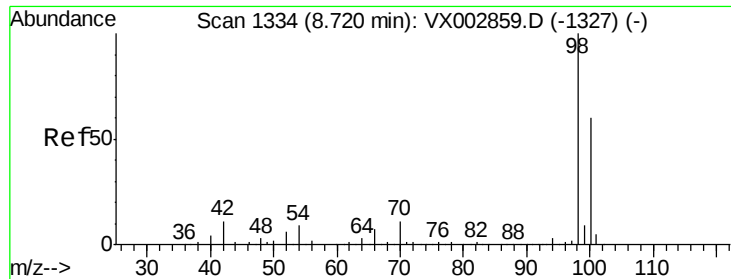
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#35
Dibromofluoromethane
Concen: 48.684 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	158643		
111	102.5	81.4	122.0	
192	24.3	19.1	28.7	





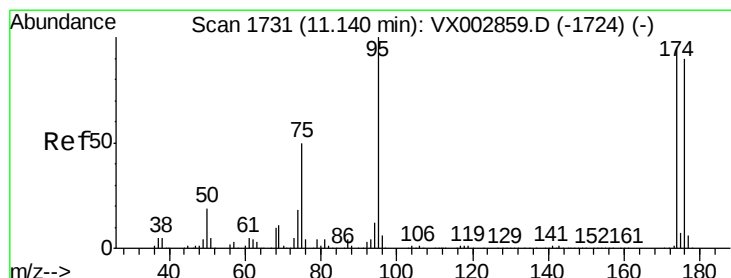
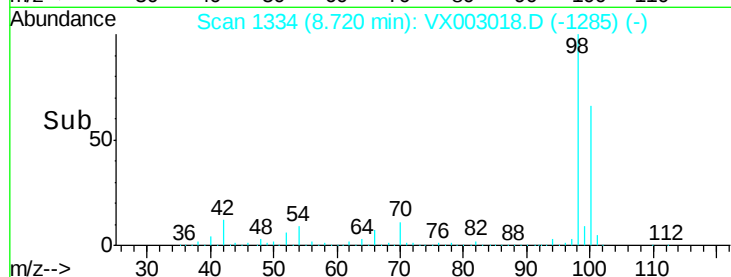
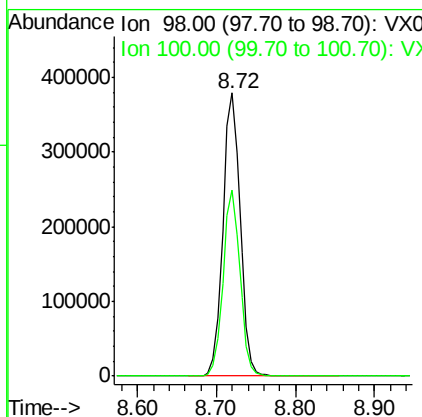
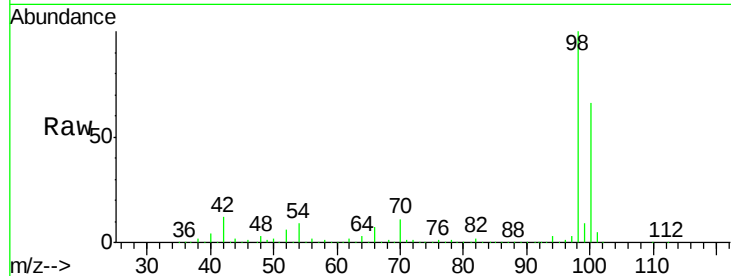
#50
Toluene-d8
Concen: 48.724 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

Instrument :
MSVOA_X
ClientSampled :
MW-20

Tgt Ion: 98 Resp: 579806
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3

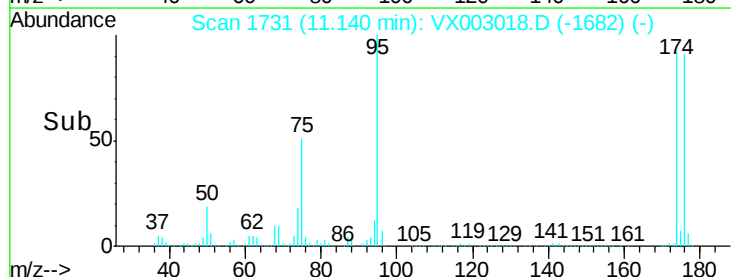
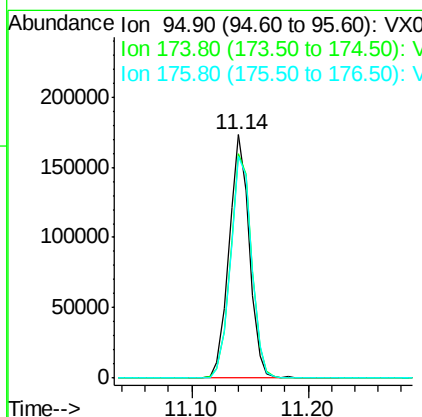
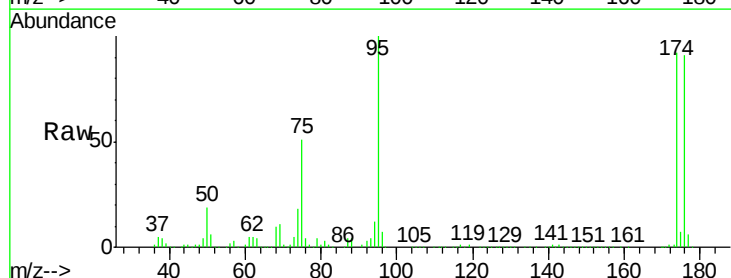
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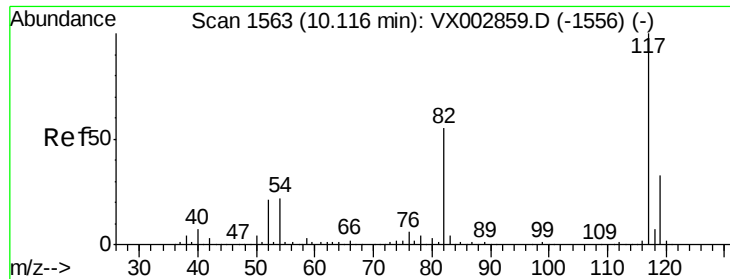
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#62
4-Bromofluorobenzene
Concen: 45.735 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

Tgt Ion: 95 Resp: 209889
Ion Ratio Lower Upper
95 100
174 95.9 0.0 187.4
176 94.9 0.0 181.0





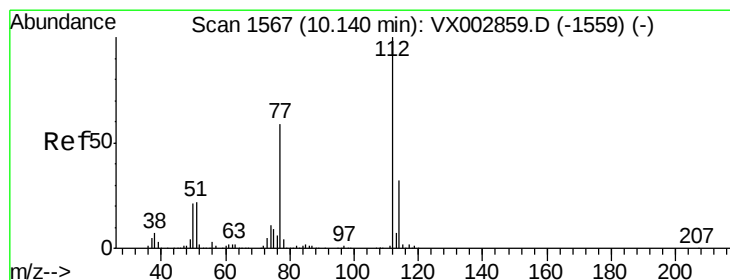
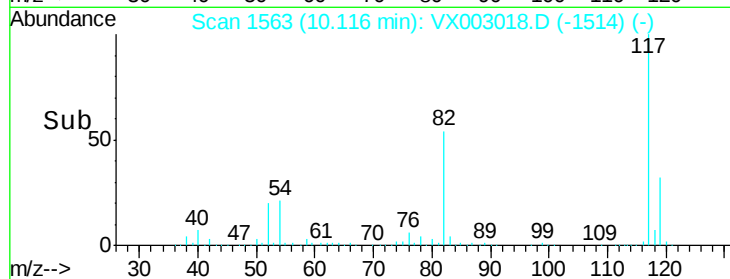
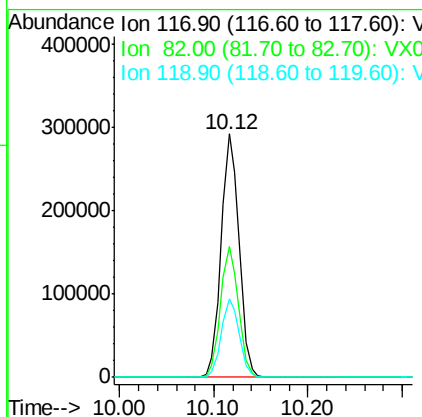
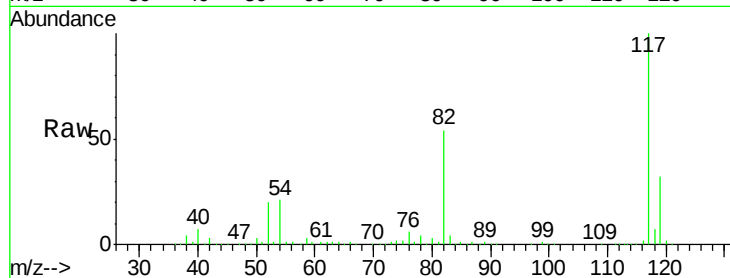
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

Instrument :
MSVOA_X
ClientSampled :
MW-20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	385990		
82	53.5	45.0	67.4	
119	32.0	25.8	38.6	

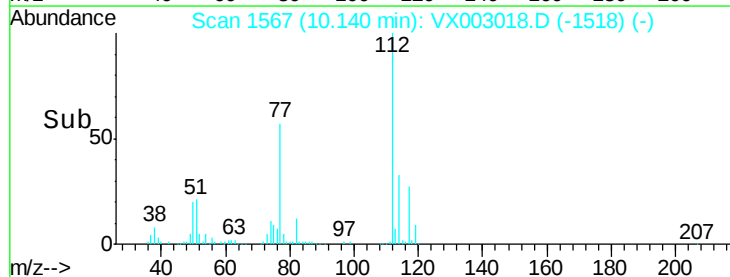
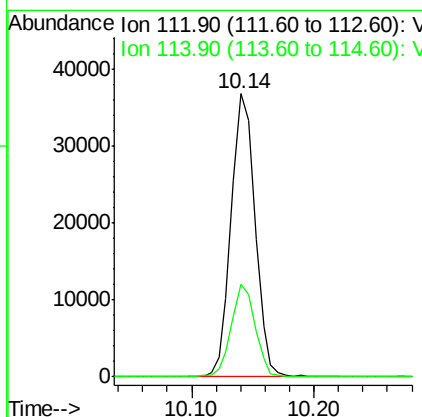
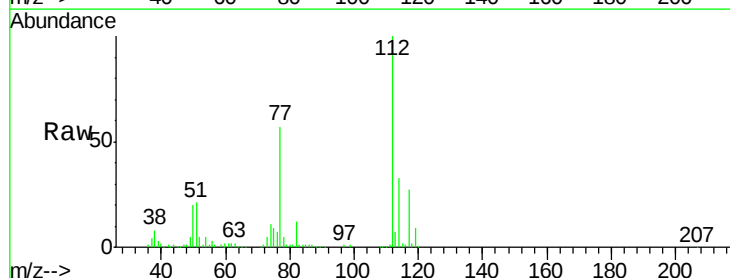
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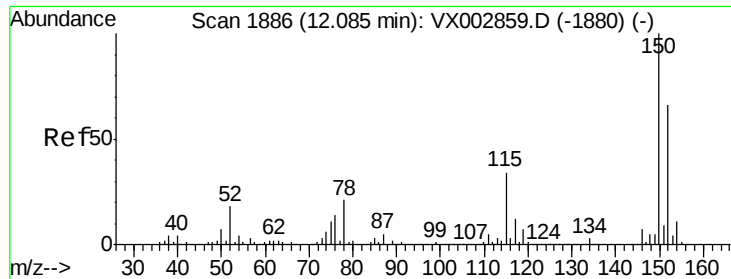
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#65
Chlorobenzene
Concen: 5.076 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003018.D
Acq: 29 Jun 2018 07:08

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	49762		
114	32.6	25.3	37.9	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

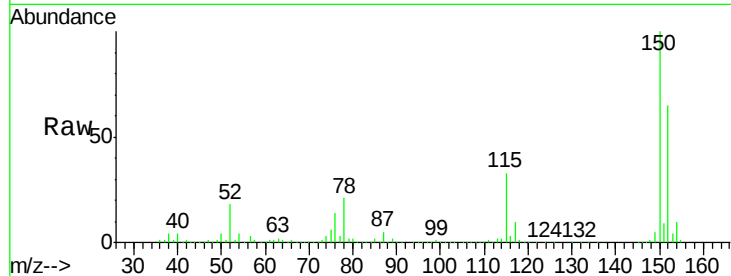
ClientSampled :

MW-20

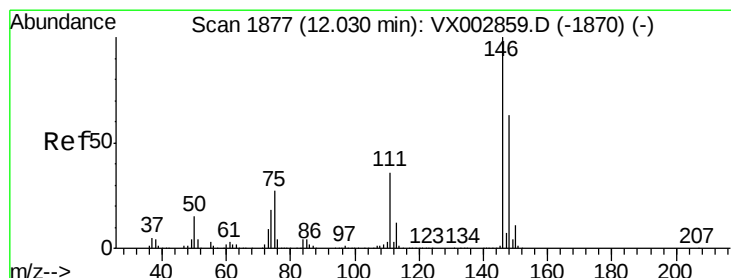
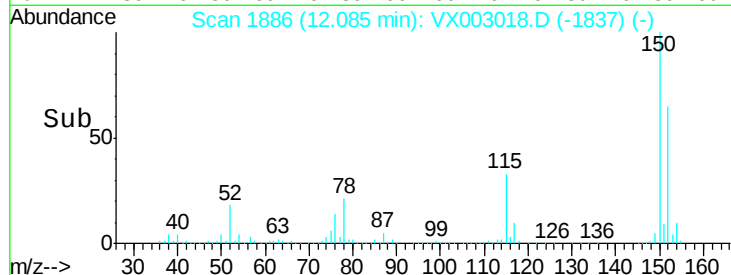
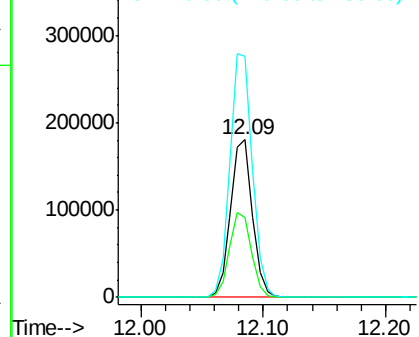
Tgt Ion:	152	Resp:	221709
Ion Ratio	Lower	Upper	
152	100		
115	54.3	40.1	120.2
150	158.3	0.0	347.2

Manual Integrations
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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



#87

1,3-Dichlorobenzene

Concen: 0.291 ug/l

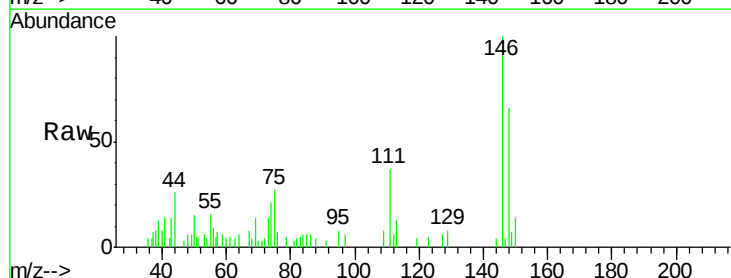
RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

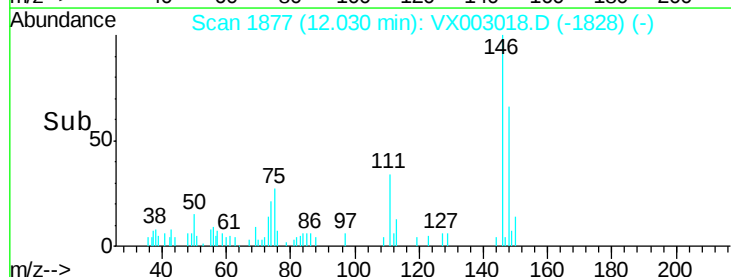
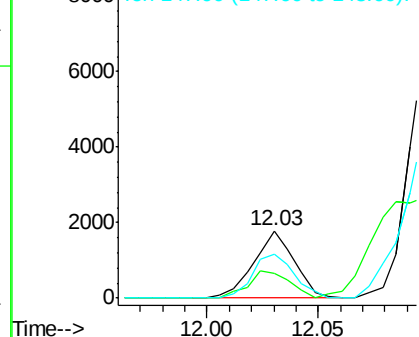
Lab File: VX003018.D

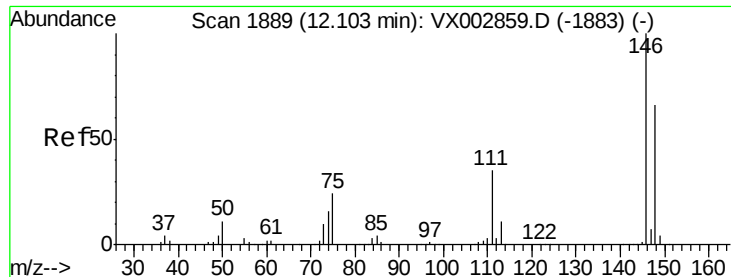
Acq: 29 Jun 2018 07:08

Tgt Ion:	146	Resp:	2255
Ion Ratio	Lower	Upper	
146	100		
111	41.1	18.9	56.7
148	67.7	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: 1.106 ug/l m

RT: 12.10 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Instrument :

MSVOA_X

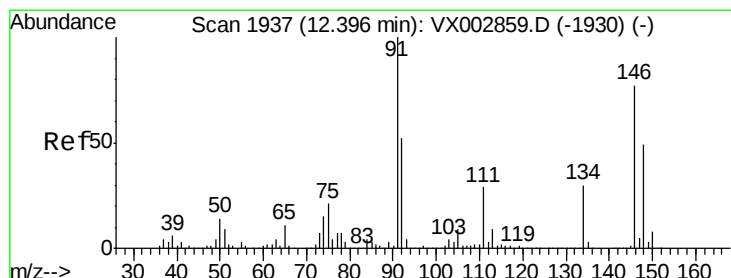
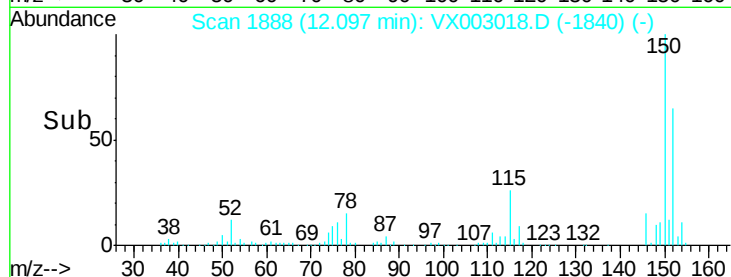
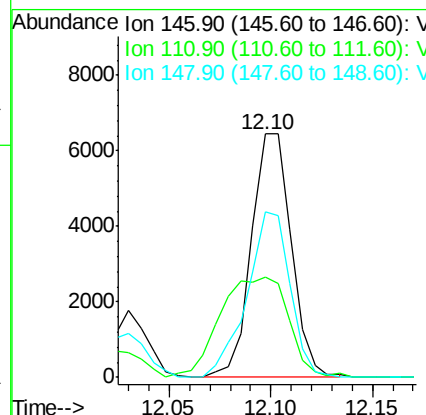
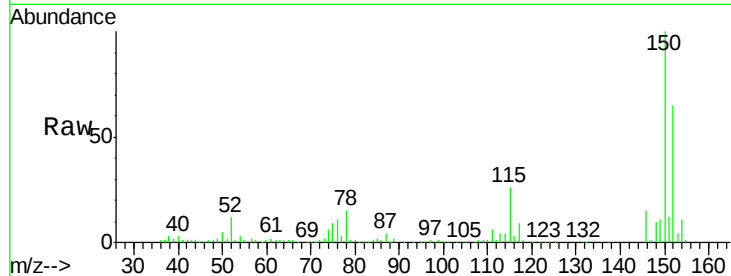
ClientSampled :

MW-20

Tgt Ion:	146	Resp:	8831
Ion Ratio	Lower	Upper	
146	100		
111	10.5	18.7	56.1#
148	17.3	32.4	97.0#

Manual Integrations
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#91

1,2-Dichlorobenzene

Concen: 0.603 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003018.D

Acq: 29 Jun 2018 07:08

Tgt Ion:	146	Resp:	4719
Ion Ratio	Lower	Upper	
146	100		
111	44.6	19.4	58.1
148	69.0	31.7	95.1

