

Data File : VX001013.D
Acq On : 20 Apr 2018 17:08
Operator : JC/MD
Sample : J2349-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF012RW163-180411

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:42 PM

Quant Time: Apr 21 06:31:34 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	242395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	336693	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203660	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	154481	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	5.51	113	120951	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
50) Toluene-d8	8.72	98	472781	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.14	95	183584	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	

Target Compounds						Qvalue
4) Vinyl Chloride	1.41	62	19406	6.69	ug/l	94
12) 1,1-Dichloroethene	2.38	96	3640	1.54	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	1233m	0.47	ug/l	
27) cis-1,2-Dichloroethene	4.60	96	565632	193.14	ug/l	89
40) Benzene	6.15	78	5895	0.54	ug/l	98
44) Trichloroethene	7.22	130	3414	1.02	ug/l	99
65) Chlorobenzene	10.15	112	79608	9.52	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	1728	0.24	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	5195m	0.70	ug/l	
91) 1,2-Dichlorobenzene	12.40	146	12208	1.74	ug/l	98

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

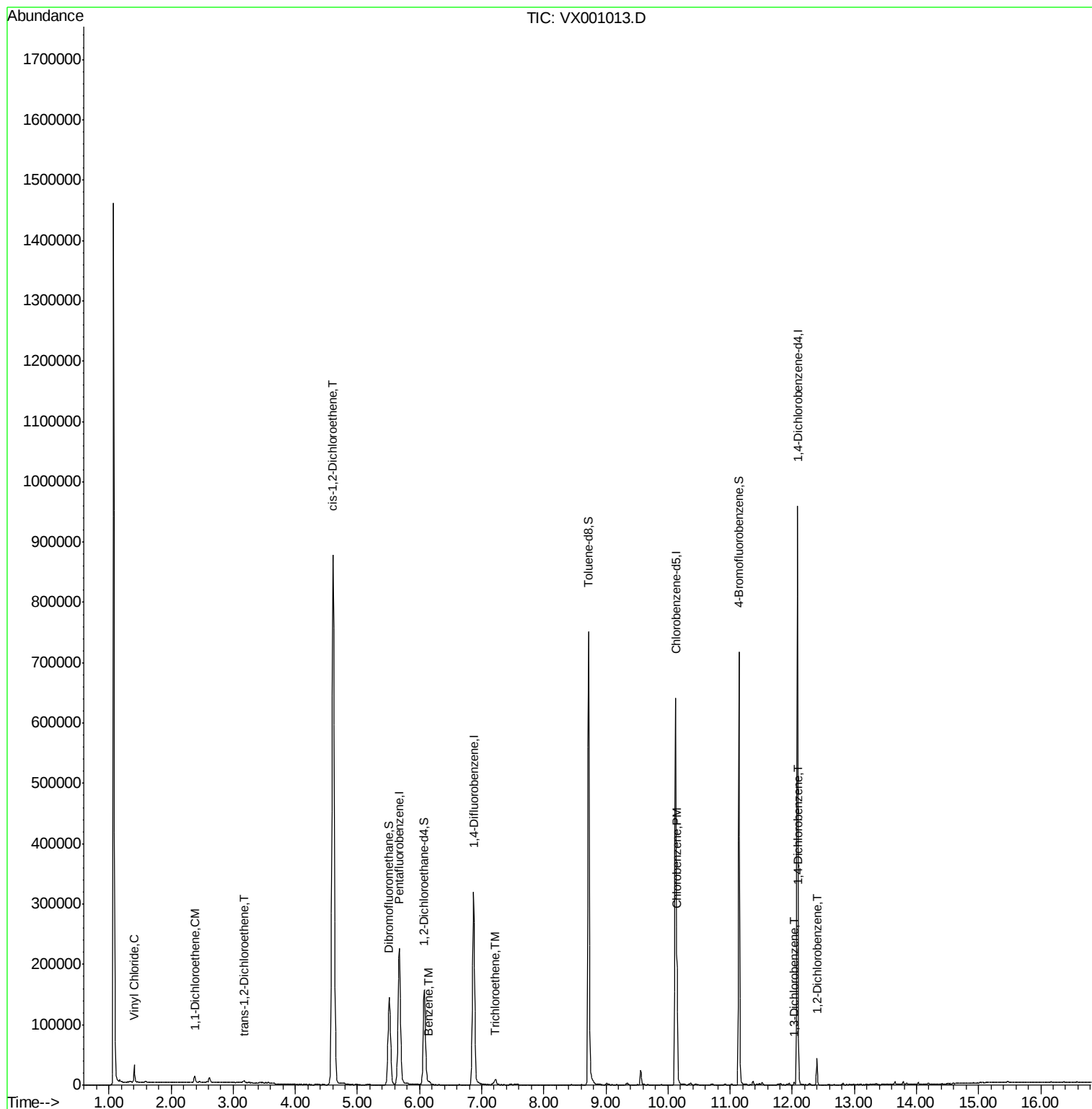
Data File : VX001013.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

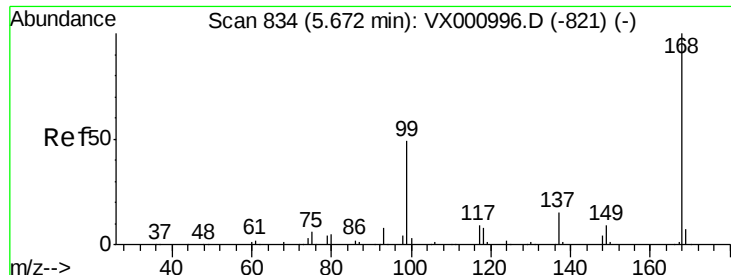
Instrument :
MSVOA_X
ClientSampleId :
LF012RW163-180411

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4/23/2018 1:27:42 PM

Quant Time: Apr 21 06:31:34 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: VX001013.D

Acq: 20 Apr 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

LF012RW163-180411

Tgt Ion: 168 Resp: 242395

Ion Ratio Lower Upper

168 100

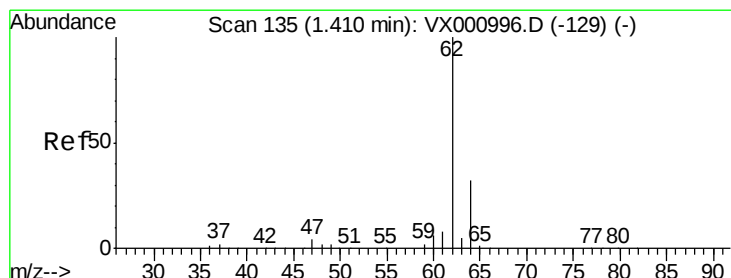
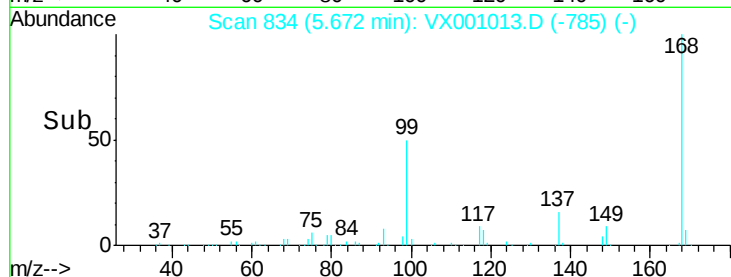
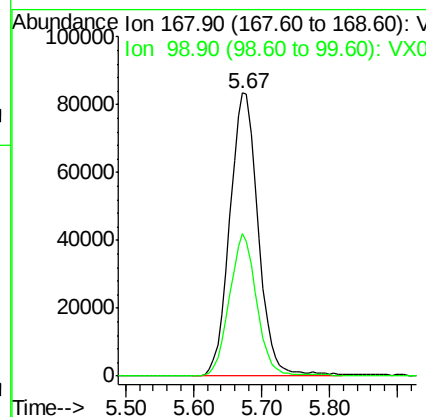
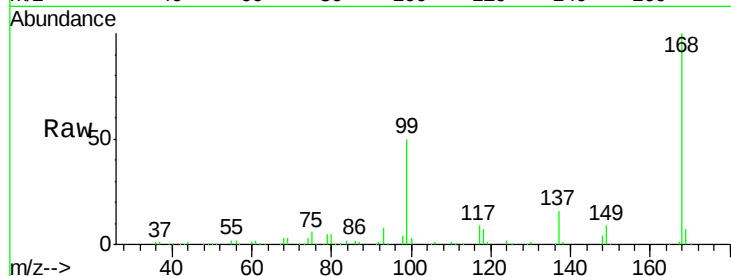
99 50.5 39.2 58.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 6.69 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX001013.D

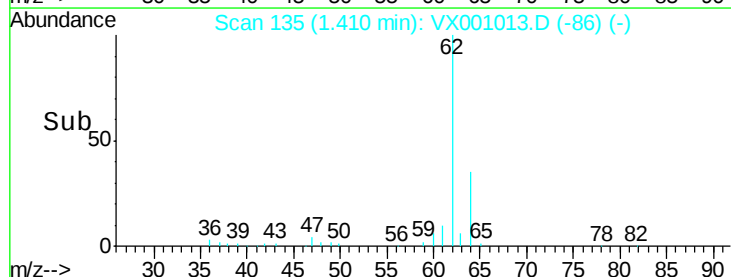
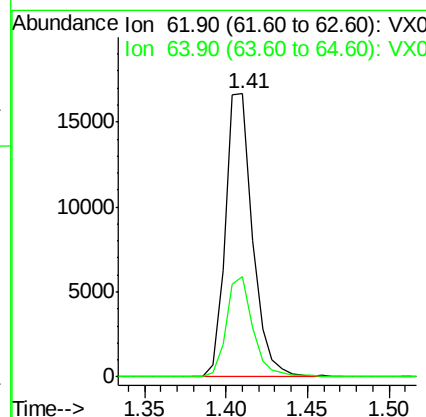
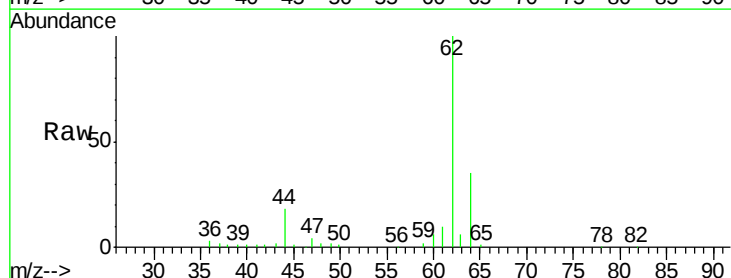
Acq: 20 Apr 2018 17:08

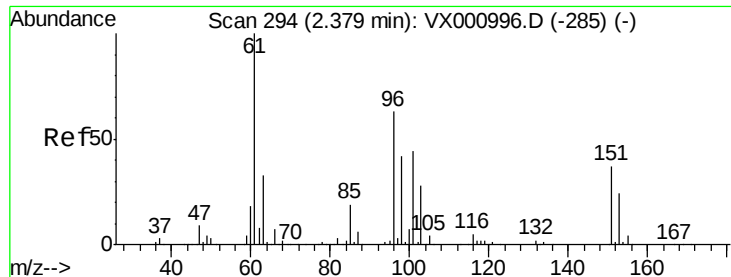
Tgt Ion: 62 Resp: 19406

Ion Ratio Lower Upper

62 100

64 35.4 25.6 38.4





#12

1,1-Dichloroethene

Concen: 1.54 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Instrument :

MSVOA_X

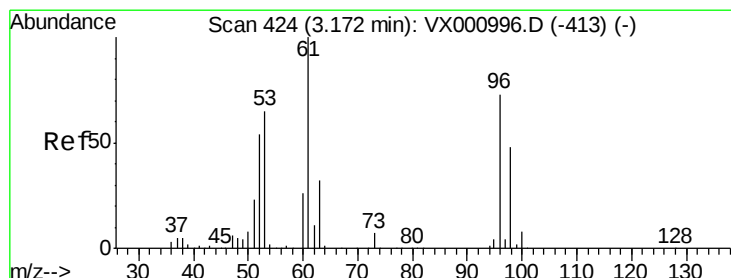
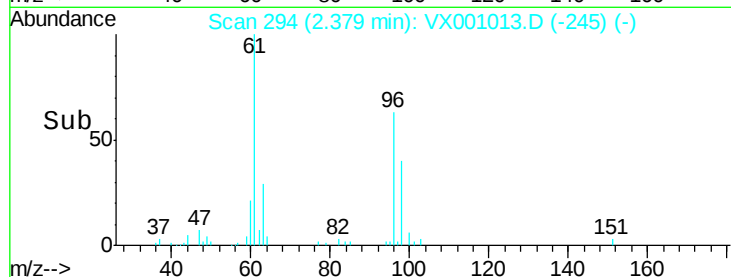
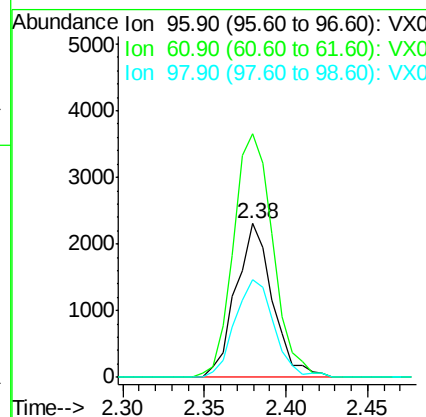
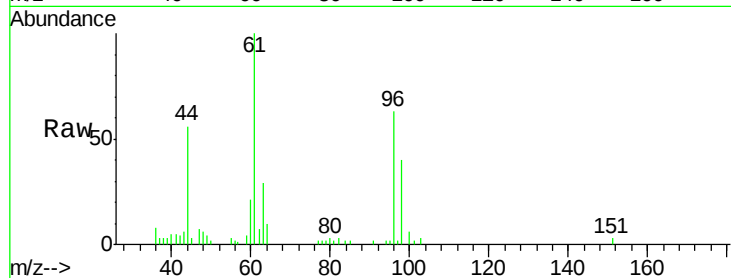
ClientSampleId :

LF012RW163-180411

Tgt Ion:	96	Resp:	3640
Ion	Ratio	Lower	Upper
96	100		
61	158.3	126.4	189.6
98	63.6	52.6	78.8

Manual Integrations
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#21

trans-1,2-Dichloroethene

Concen: 0.47 ug/l m

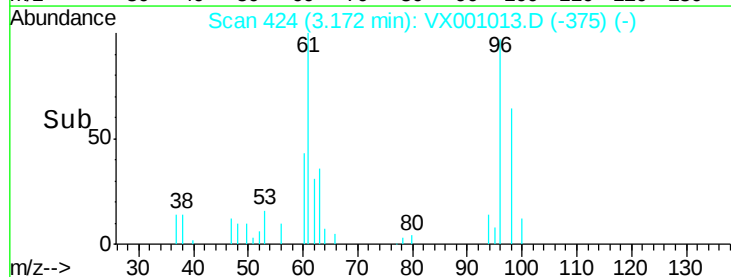
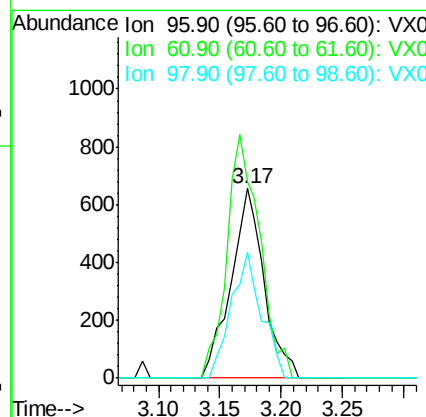
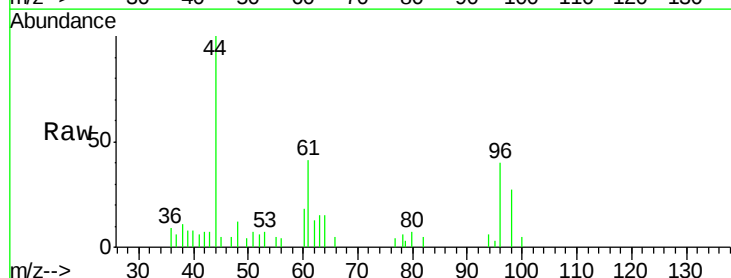
RT: 3.17 min Scan# 424

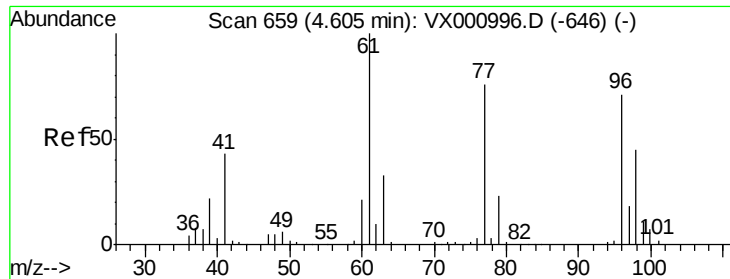
Delta R.T. -0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Tgt Ion:	96	Resp:	1233
Ion	Ratio	Lower	Upper
96	100		
61	103.2	109.4	164.2#
98	66.5	52.6	78.8





#27

cis-1,2-Dichloroethene

Concen: 193.14 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Instrument :

MSVOA_X

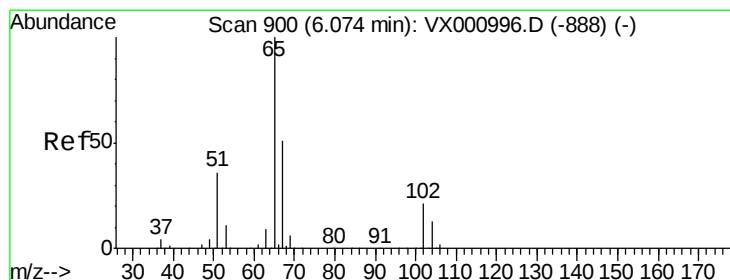
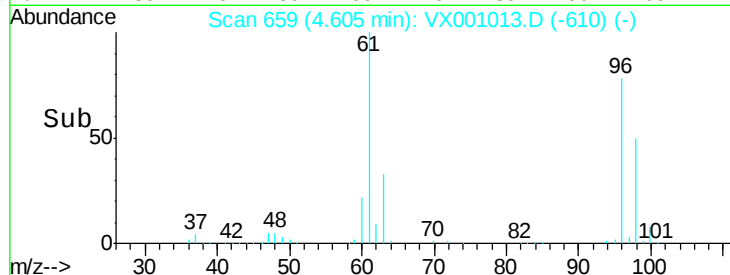
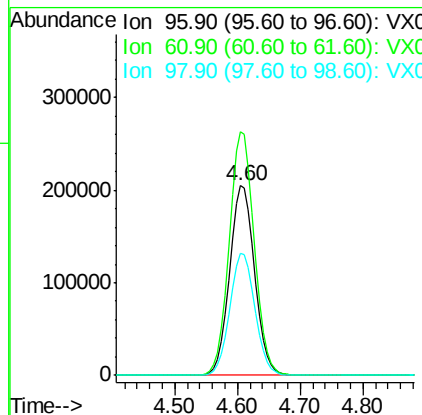
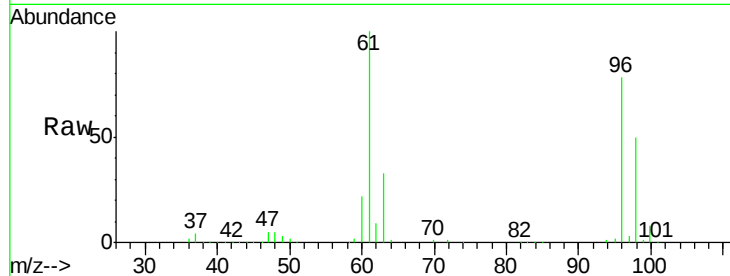
ClientSampleId :

LF012RW163-180411

Tgt Ion:	96	Resp:	565632
Ion	Ratio	Lower	Upper
96	100		
61	128.7	0.0	297.0
98	64.8	0.0	130.0

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 50.28 ug/l

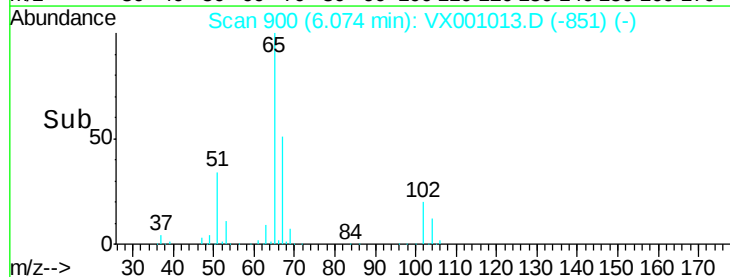
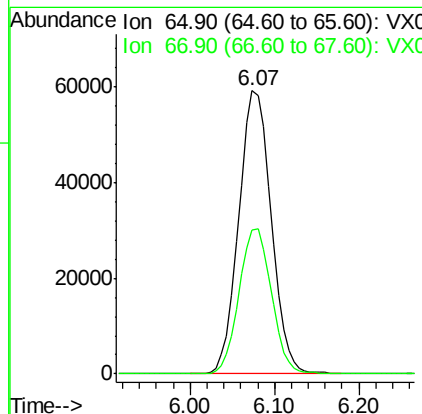
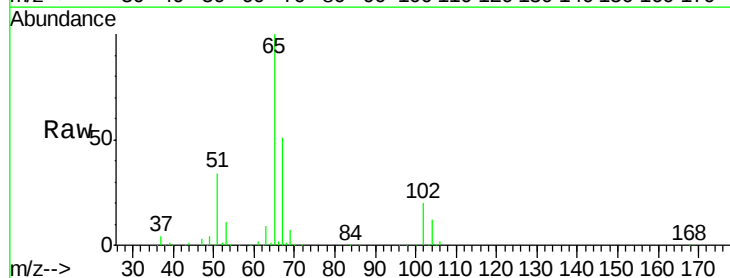
RT: 6.07 min Scan# 900

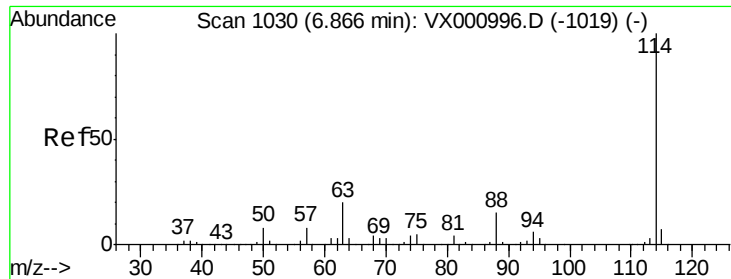
Delta R.T. 0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Tgt Ion:	65	Resp:	154481
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Instrument :

MSVOA_X

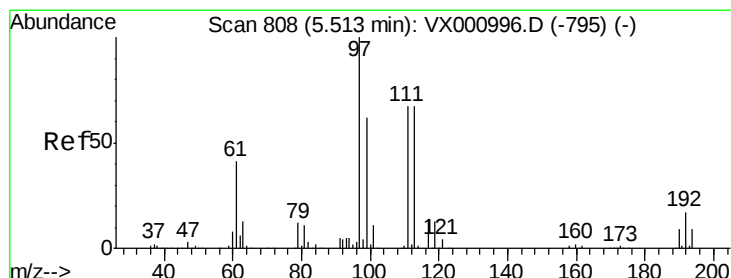
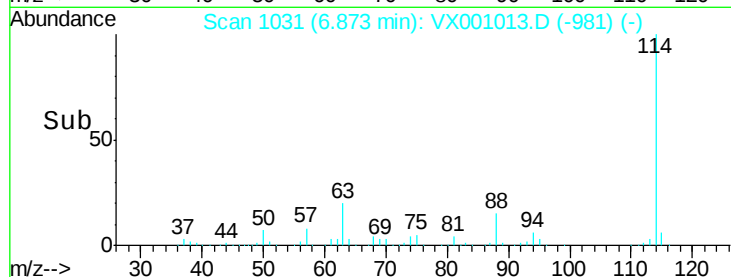
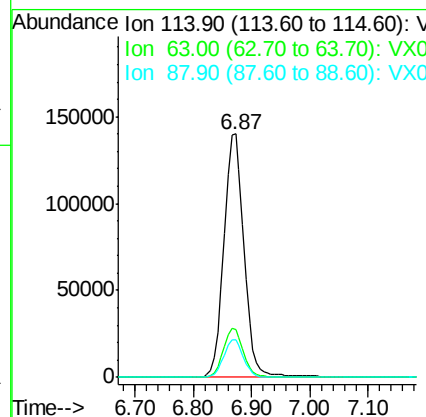
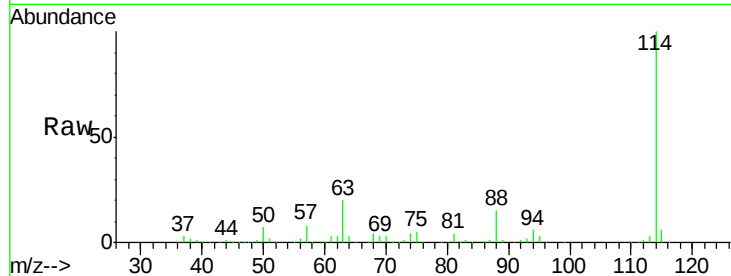
ClientSampleId :

LF012RW163-180411

Tgt Ion:	114	Resp:	336693
Ion Ratio	Lower	Upper	
114	100		
63	19.7	0.0	39.4
88	15.4	0.0	29.8

Manual Integrations
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#35

Dibromofluoromethane

Concen: 47.11 ug/l

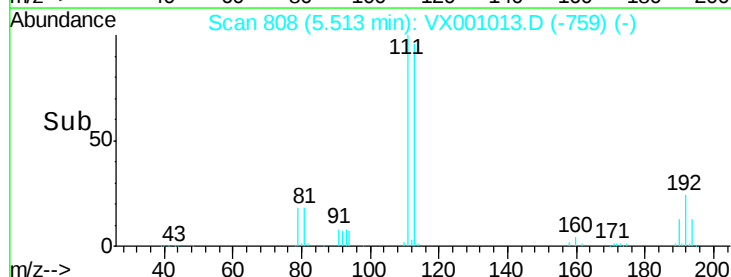
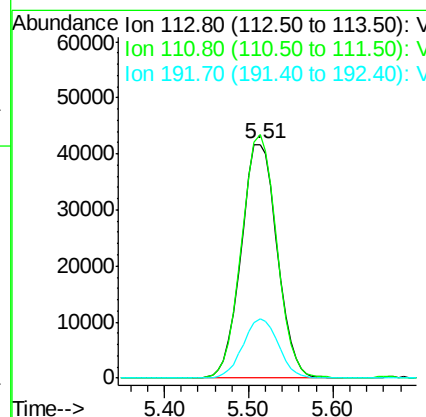
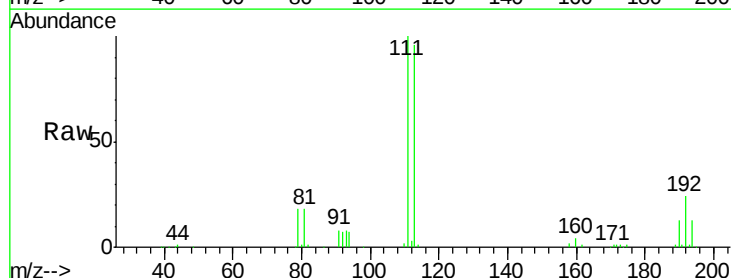
RT: 5.51 min Scan# 808

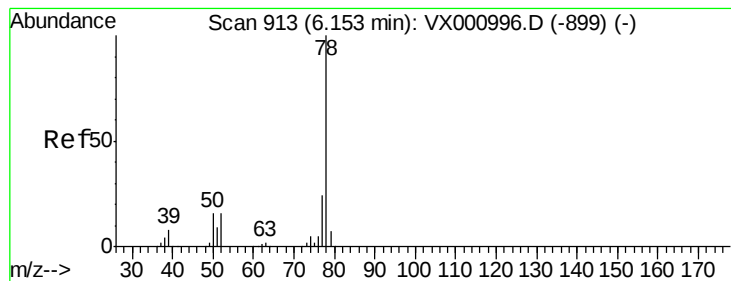
Delta R.T. 0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Tgt Ion:	113	Resp:	120951
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.4	122.2
192	25.1	20.4	30.6





#40

Benzene

Concen: 0.54 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

LF012RW163-180411

Tgt Ion: 78 Resp: 5895

Ion Ratio Lower Upper

78 100

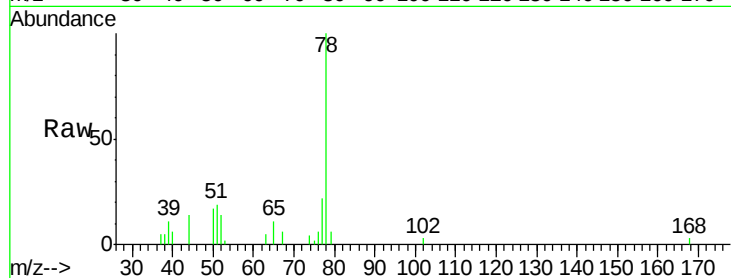
77 22.4 18.9 28.3

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Abundance Ion 78.00 (77.70 to 78.70): VX000996.D (-899) (-)

Ion 77.00 (76.70 to 77.70): VX000996.D (-899) (-)

6.15

2500

2000

1500

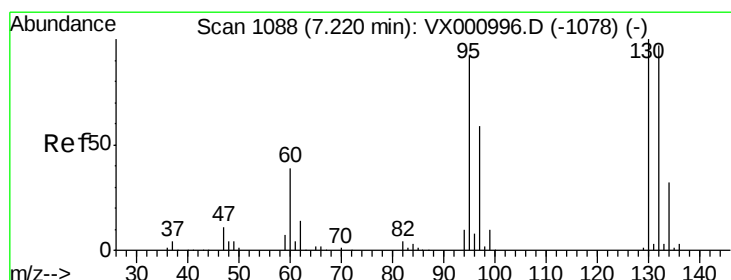
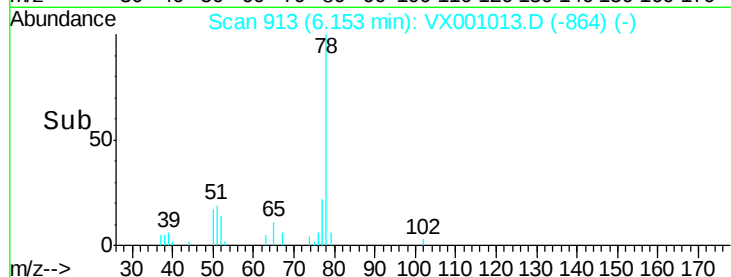
1000

500

0

6.05 6.10 6.15 6.20 6.25

Time-->



#44

Trichloroethene

Concen: 1.02 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001013.D

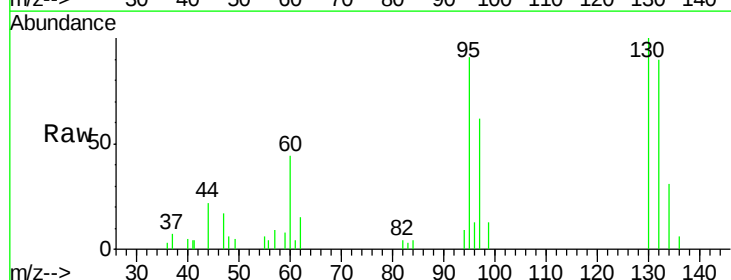
Acq: 20 Apr 2018 17:08

Tgt Ion: 130 Resp: 3414

Ion Ratio Lower Upper

130 100

95 91.0 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): VX000996.D (-1078) (-)

Ion 94.90 (94.60 to 95.60): VX000996.D (-1078) (-)

7.22

1500

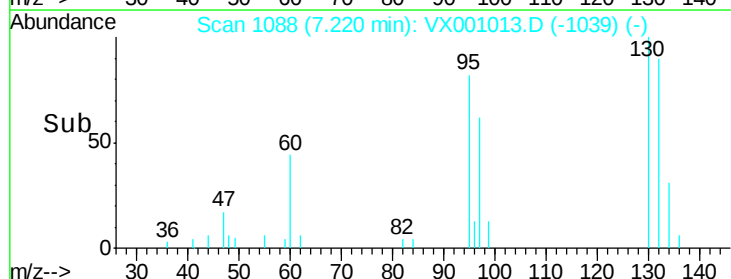
1000

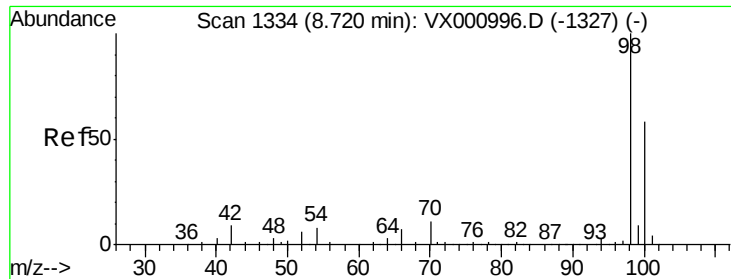
500

0

7.15 7.20 7.25 7.30

Time-->





#50

Toluene-d8

Concen: 49.80 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

LF012RW163-180411

Tgt Ion: 98 Resp: 472781

Ion Ratio Lower Upper

98 100

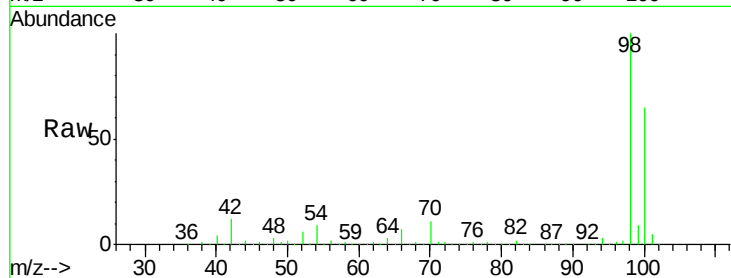
100 64.3 51.9 77.9

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

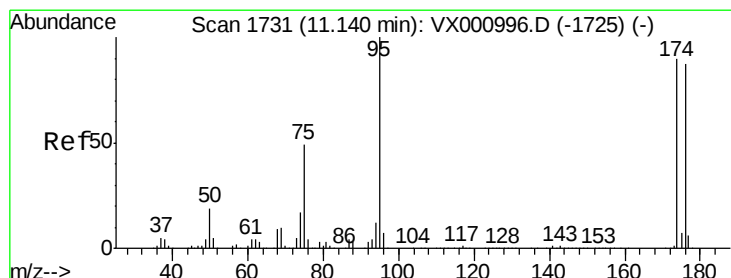
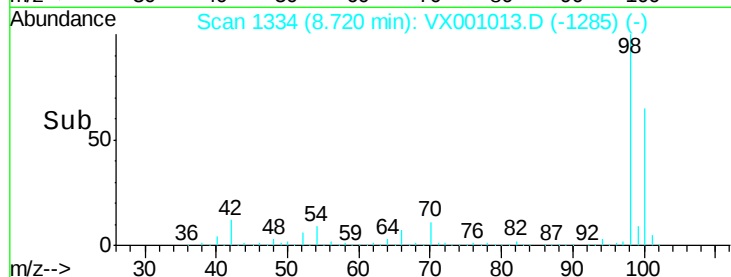
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

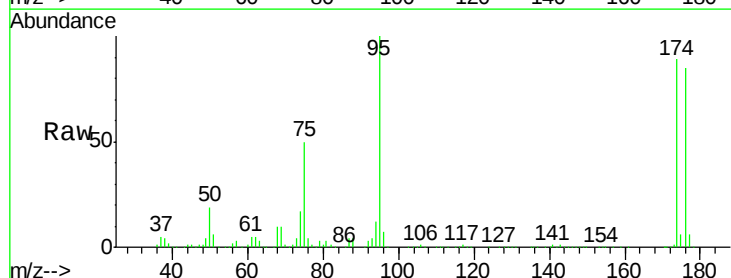
Tgt Ion: 95 Resp: 183584

Ion Ratio Lower Upper

95 100

174 97.1 0.0 198.4

176 93.6 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

11.14

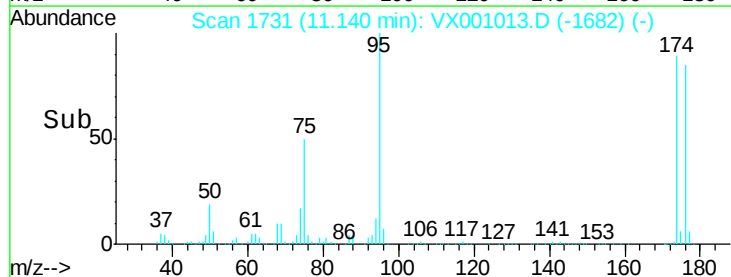
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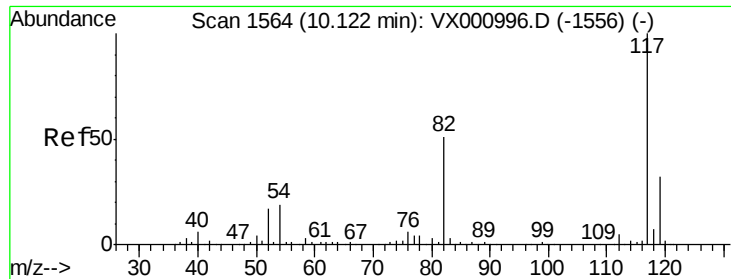
100000

50000

0

Time-->





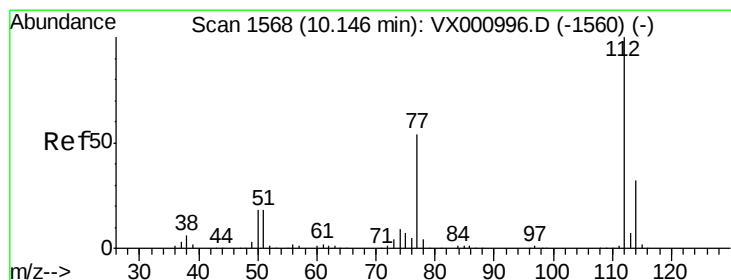
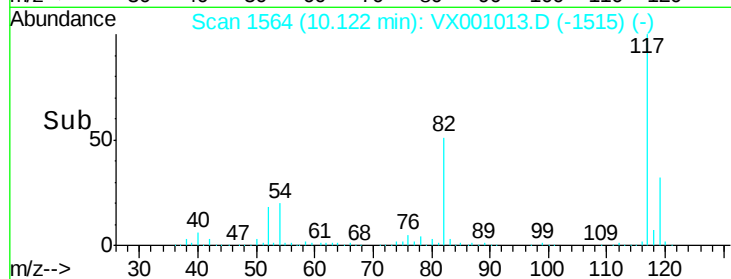
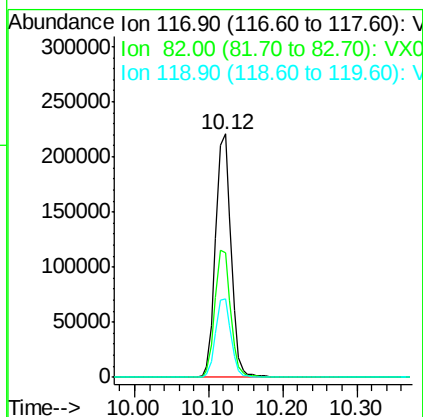
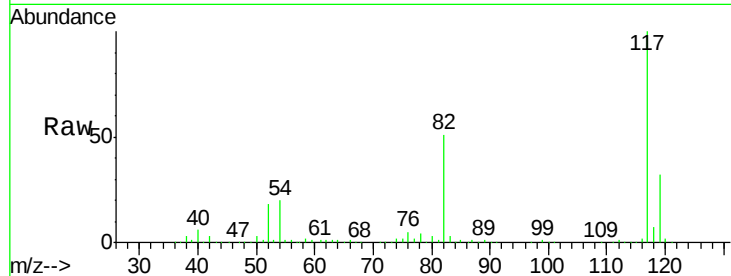
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001013.D
Acq: 20 Apr 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
LF012RW163-180411

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.1	40.6	60.8
119	32.4	26.0	39.0

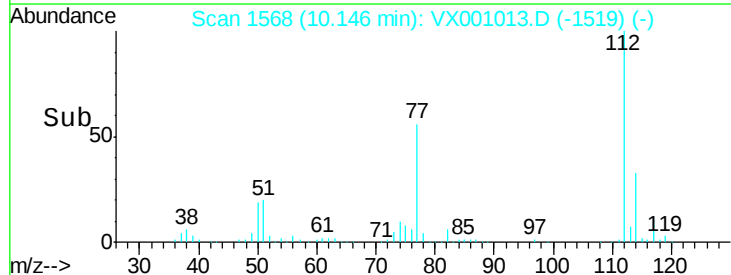
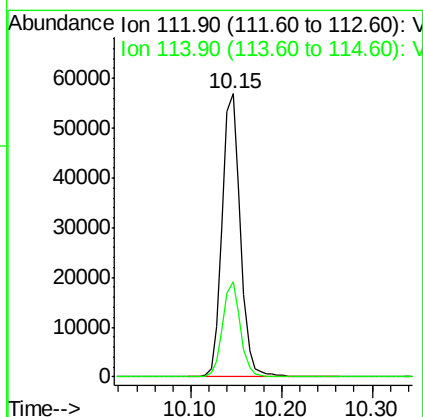
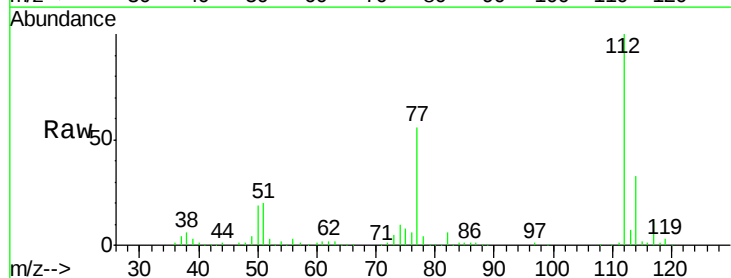
Manual Integrations
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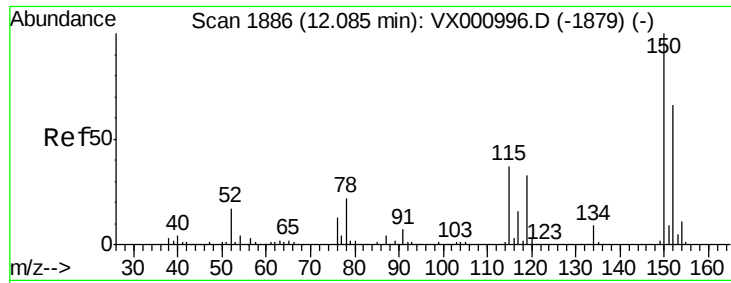
MMDadoda
4/23/2018 1:27:42 PM



#65
Chlorobenzene
Concen: 9.52 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001013.D
Acq: 20 Apr 2018 17:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Instrument :

MSVOA_X

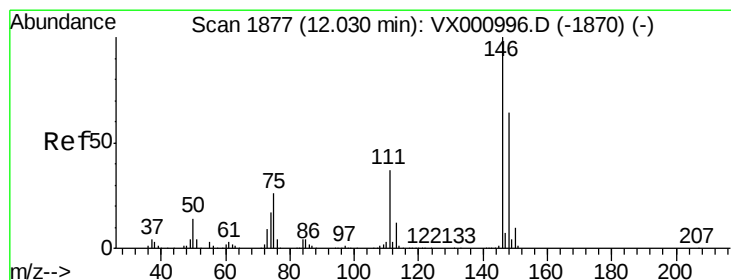
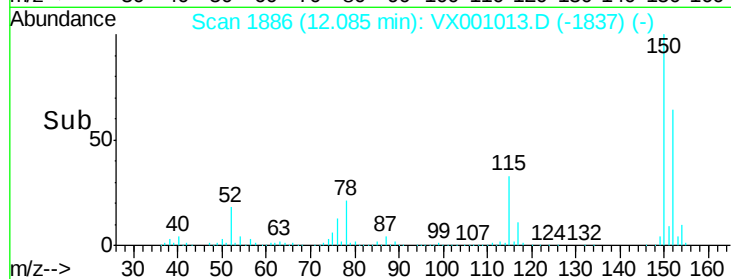
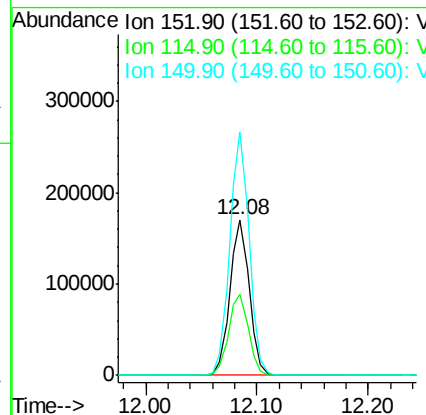
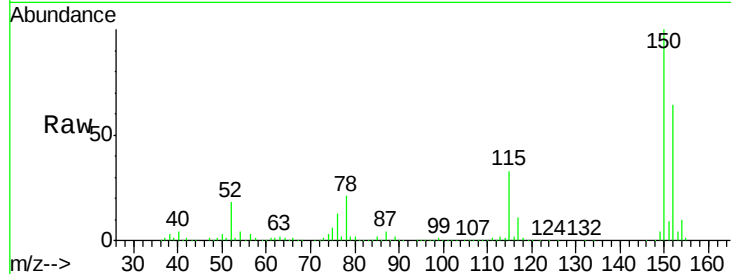
ClientSampleId :

LF012RW163-180411

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	203660		
115	53.7	38.2	114.6	
150	157.1	0.0	350.4	

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:42 PM



#87

1,3-Dichlorobenzene

Concen: 0.24 ug/l

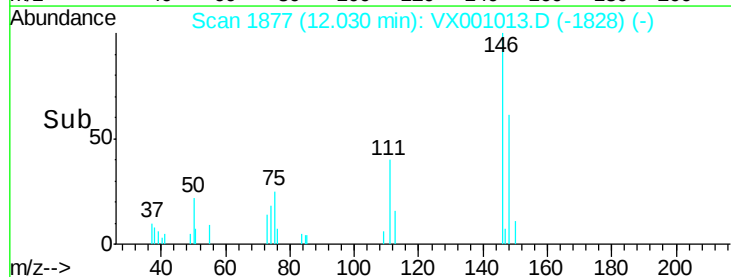
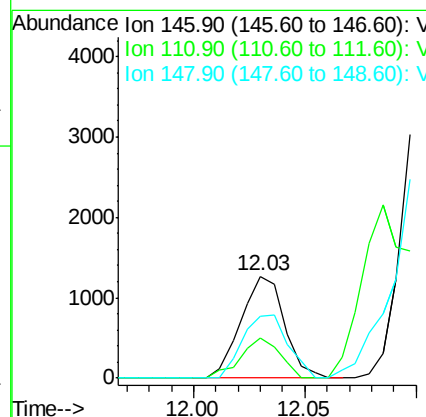
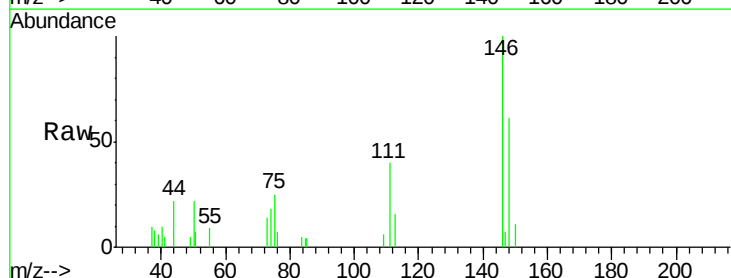
RT: 12.03 min Scan# 1877

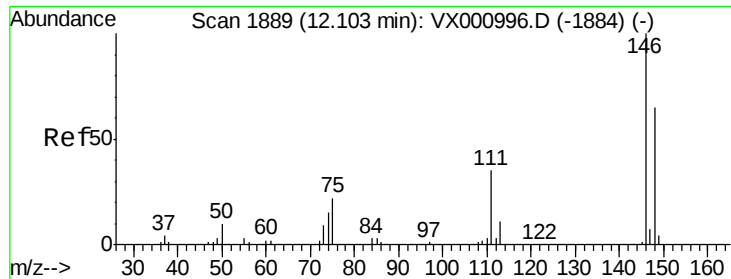
Delta R.T. 0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	1728		
111	35.8	18.3	54.8	
148	64.3	32.2	96.6	





#88

1,4-Dichlorobenzene

Concen: 0.70 ug/l m

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Instrument :

MSVOA_X

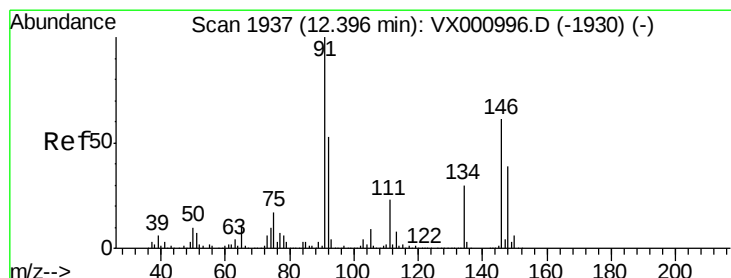
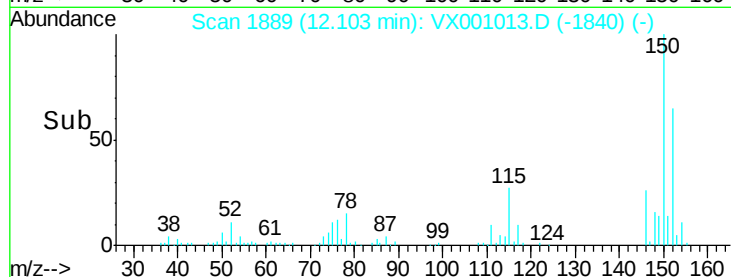
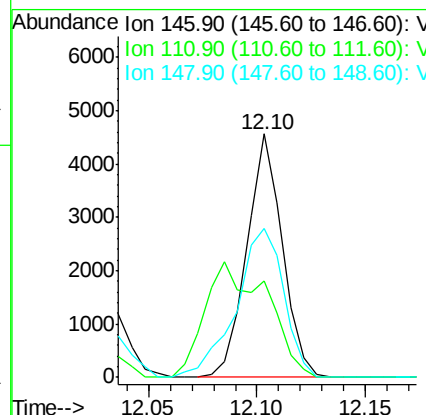
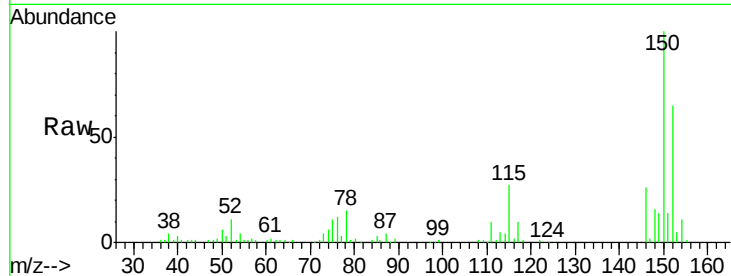
ClientSampleId :

LF012RW163-180411

Tgt Ion:	146	Resp:	5195
Ion Ratio	Lower	Upper	
146	100		
111	11.9	18.0	54.0#
148	21.4	32.4	97.0#

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:42 PM



#91

1,2-Dichlorobenzene

Concen: 1.74 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001013.D

Acq: 20 Apr 2018 17:08

Tgt Ion:	146	Resp:	12208
Ion Ratio	Lower	Upper	
146	100		
111	39.8	18.6	56.0
148	64.1	32.3	96.8

