

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041418\
 Data File : VX000885.D
 Acq On : 14 Apr 2018 19:44
 Operator : JC/MD
 Sample : J2353-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW029-180410

Quant Time: Apr 16 05:53:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	238140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	318953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200560	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	139408	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
35) Dibromofluoromethane	5.51	113	113827	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
50) Toluene-d8	8.73	98	443509	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.15	95	175021	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

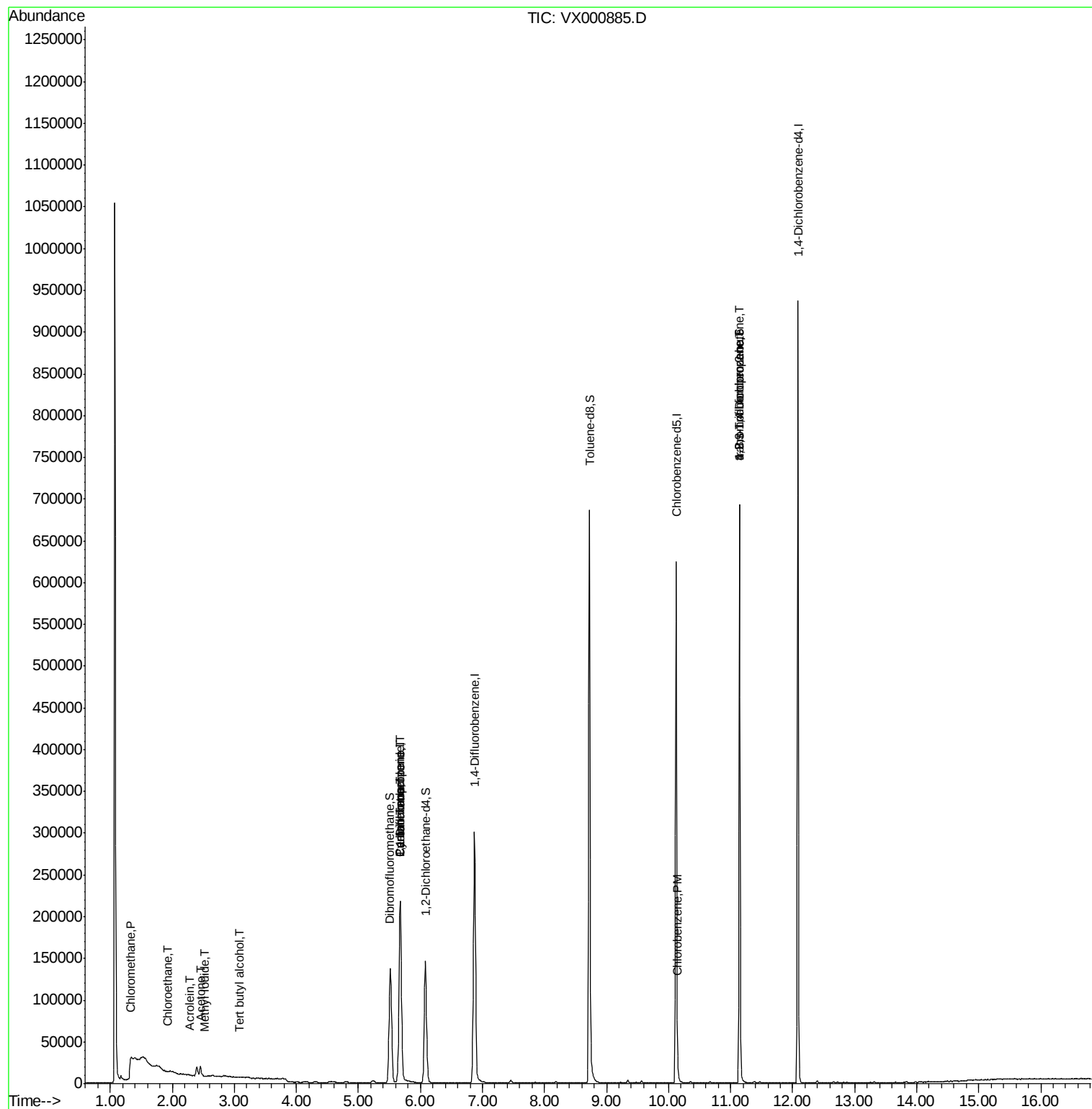
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2058	0.89	ug/l #	72
5) Bromomethane	1.66	94	318	Below Cal	#	50
6) Chloroethane	1.93	64	334	0.21	ug/l	89
10) Methyl Iodide	2.52	142	53	8.25	ug/l #	42
11) Tert butyl alcohol	3.09	59	333	0.62	ug/l #	1
13) Acrolein	2.29	56	80	0.31	ug/l #	1
16) Acetone	2.45	43	13025	12.58	ug/l	99
31) Cyclohexane	5.67	56	4014	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14127	4.02	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20265	5.15	ug/l #	15
65) Chlorobenzene	10.15	112	2669	0.36	ug/l	96
76) 1,2,3-Trichloropropane	11.15	75	84447	24.41	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	84447	67.16	ug/l #	11

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000885.D

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Instrument :

MSVOA_X

ClientSampleId :

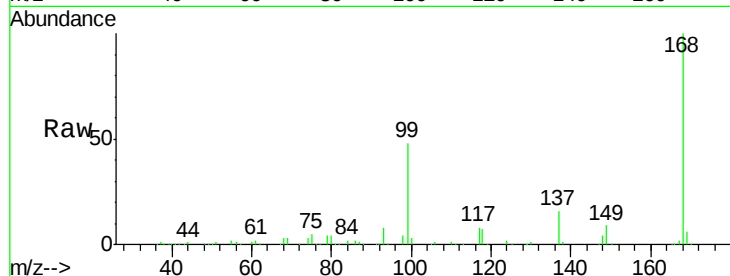
LF012MW029-180410

Tgt Ion:168 Resp: 238140

Ion Ratio Lower Upper

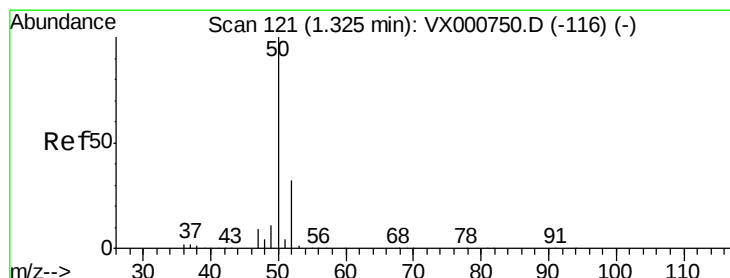
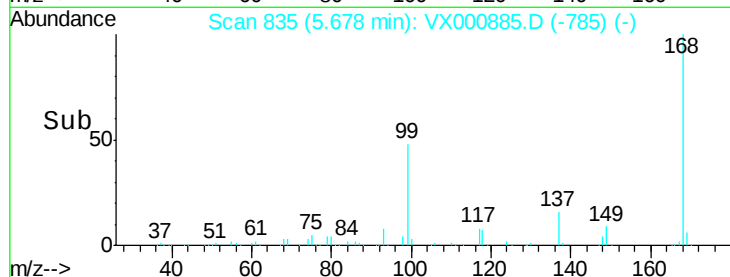
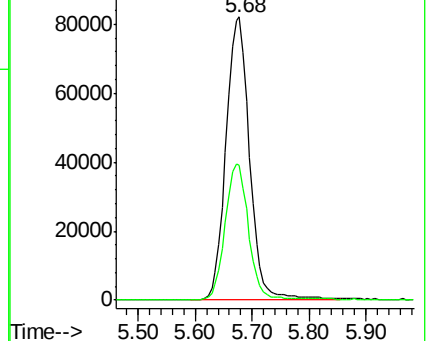
168 100

99 47.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.89 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000885.D

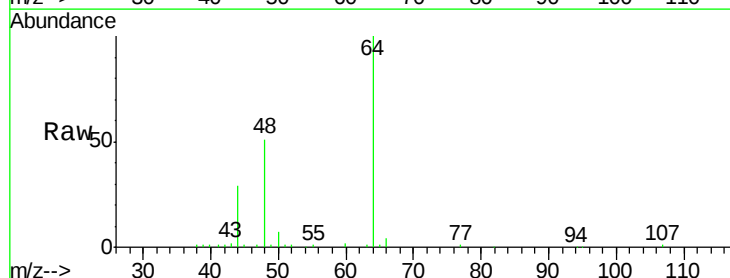
Acq: 14 Apr 2018 19:44

Tgt Ion: 50 Resp: 2058

Ion Ratio Lower Upper

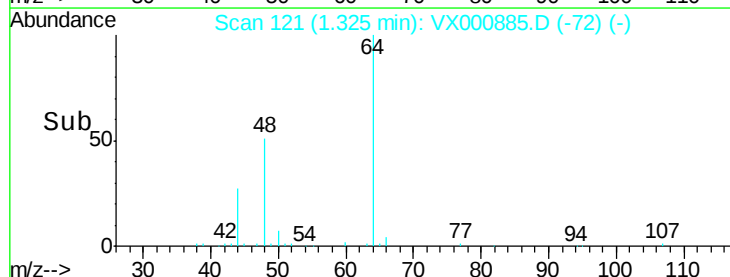
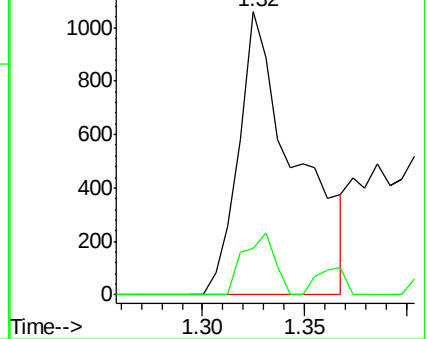
50 100

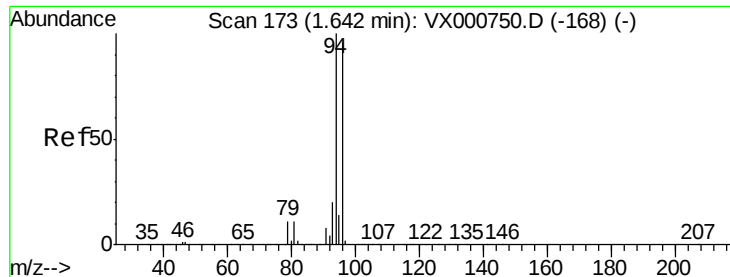
52 16.4 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000885.D

Acq: 14 Apr 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

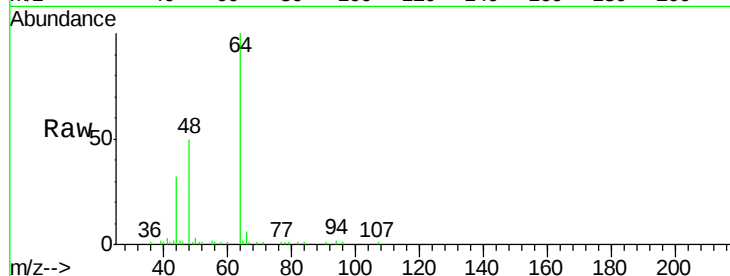
LF012MW029-180410

Tgt Ion: 94 Resp: 318

Ion Ratio Lower Upper

94 100

96 47.3 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

150

100

50

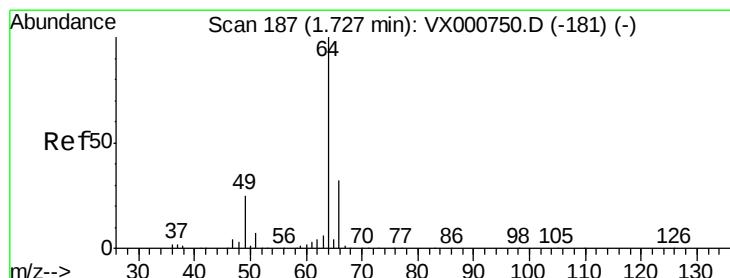
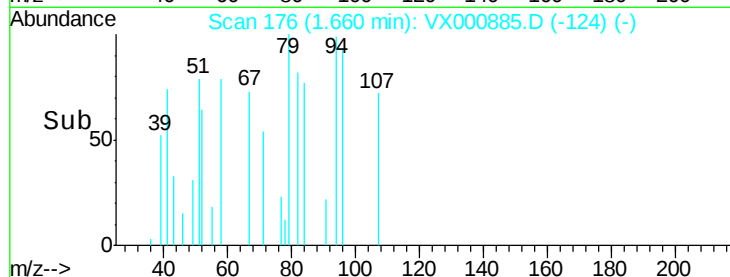
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 0.21 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.20 min

Lab File: VX000885.D

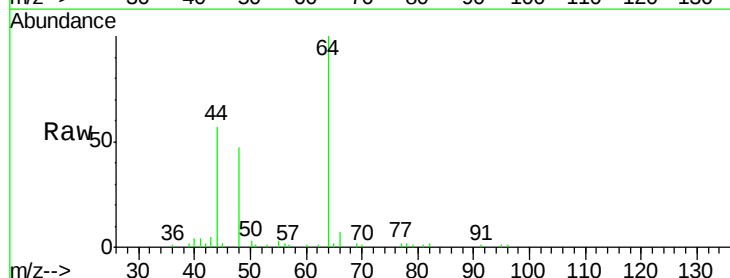
Acq: 14 Apr 2018 19:44

Tgt Ion: 64 Resp: 334

Ion Ratio Lower Upper

64 100

66 37.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.93

6000

4000

2000

0

1.91

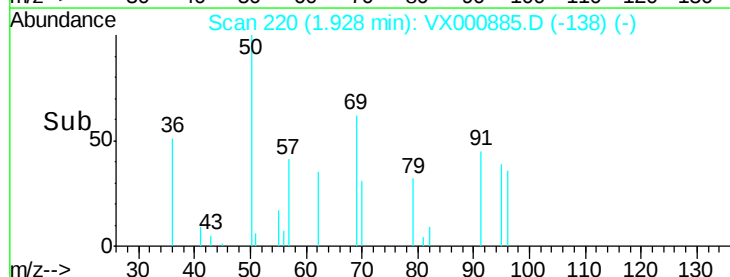
1.92

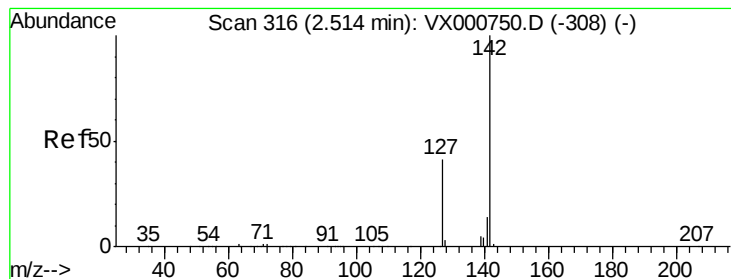
1.93

1.94

1.95

Time-->





#10

Methyl Iodide

Concen: 8.25 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000885.D

Acq: 14 Apr 2018 19:44

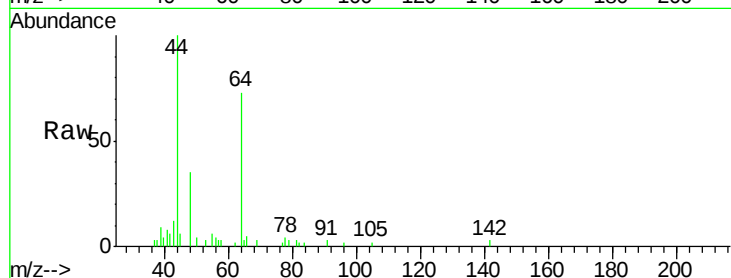
Instrument :

MSVOA_X

ClientSampleId :

LF012MW029-180410

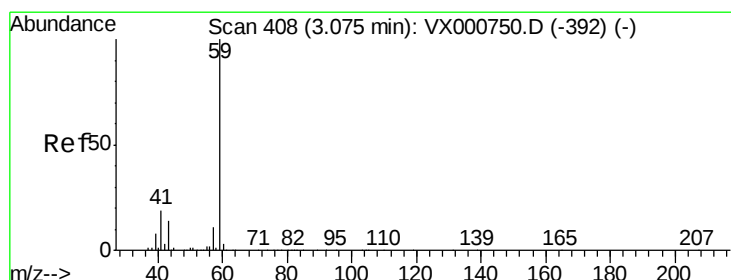
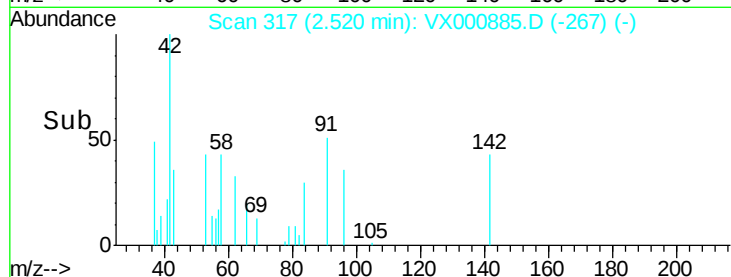
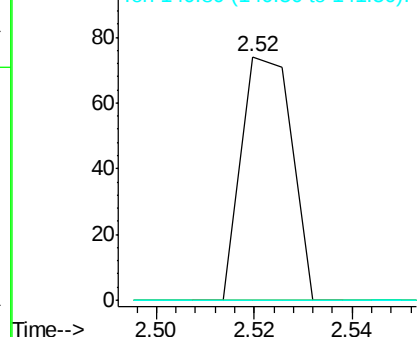
Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.6	49.0#
141	0.0	11.5	17.3#



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: 0.62 ug/l

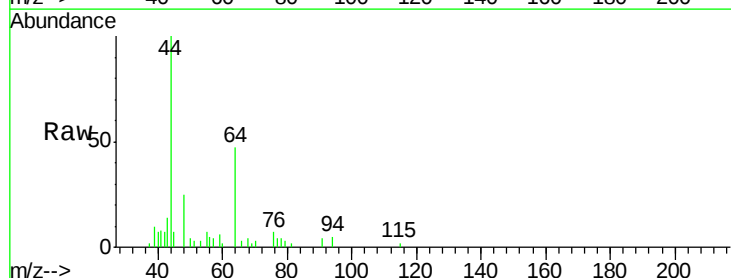
RT: 3.09 min Scan# 411

Delta R.T. 0.02 min

Lab File: VX000885.D

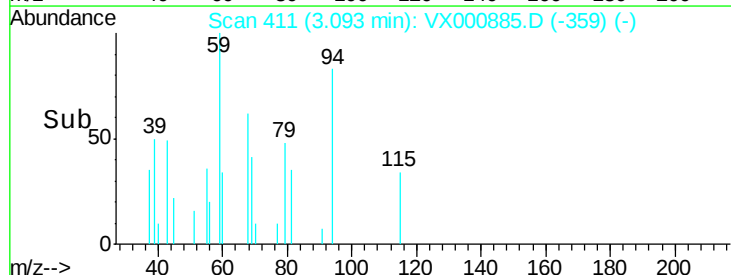
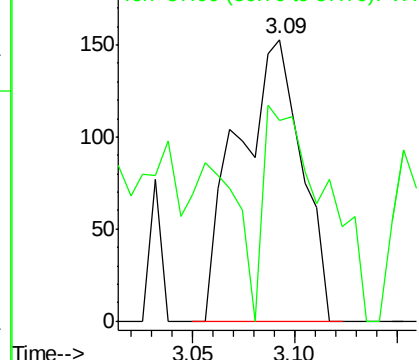
Acq: 14 Apr 2018 19:44

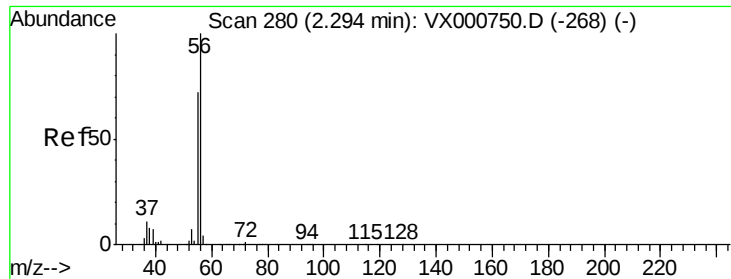
Tgt Ion	Ratio	Lower	Upper
59	100		
57	73.3	8.4	12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.31 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000885.D

Acq: 14 Apr 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

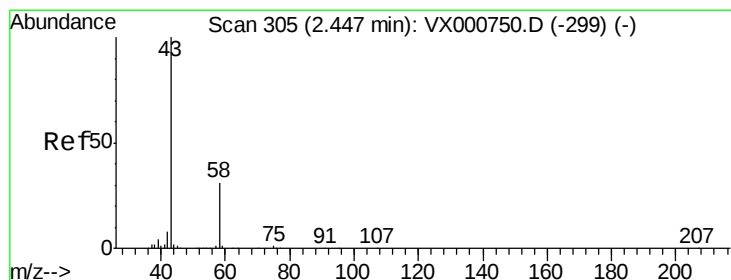
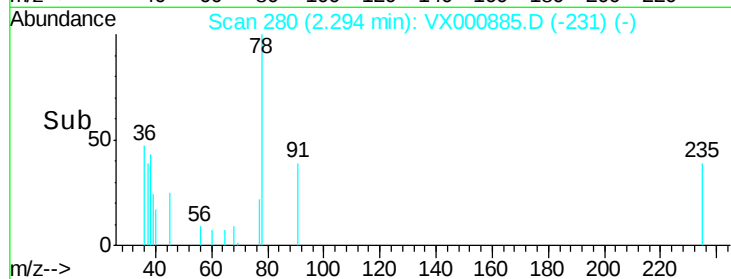
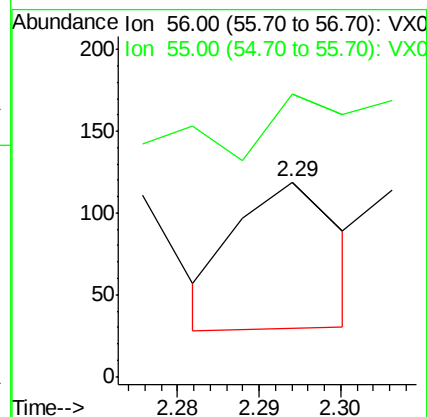
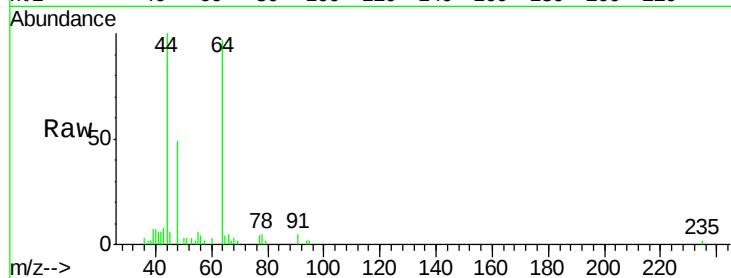
LF012MW029-180410

Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 188.8 58.7 88.1#



#16

Acetone

Concen: 12.58 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000885.D

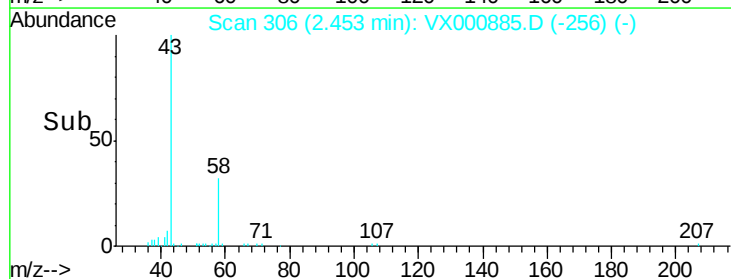
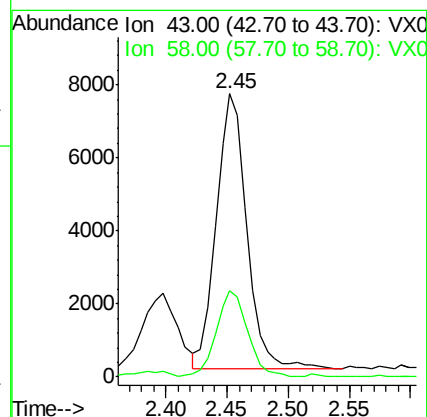
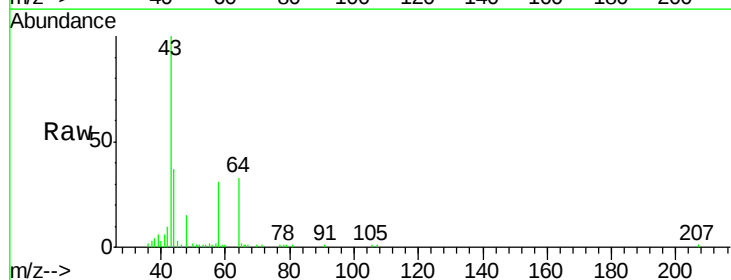
Acq: 14 Apr 2018 19:44

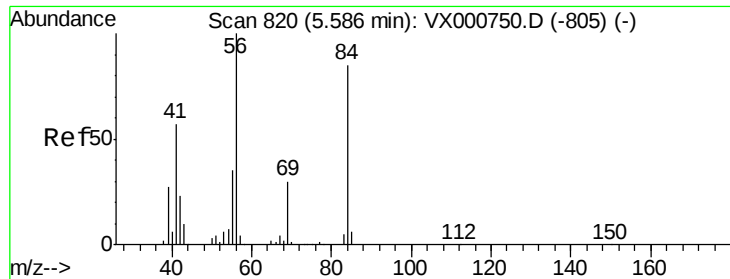
Tgt Ion: 43 Resp: 13025

Ion Ratio Lower Upper

43 100

58 31.5 24.6 37.0

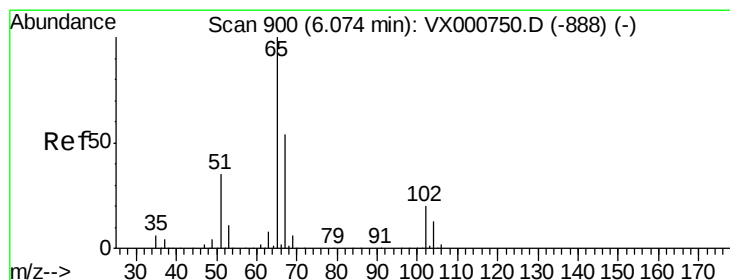
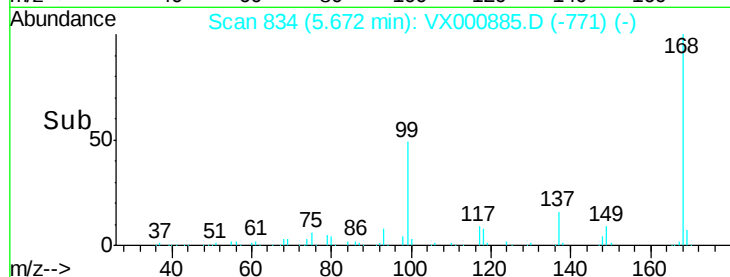
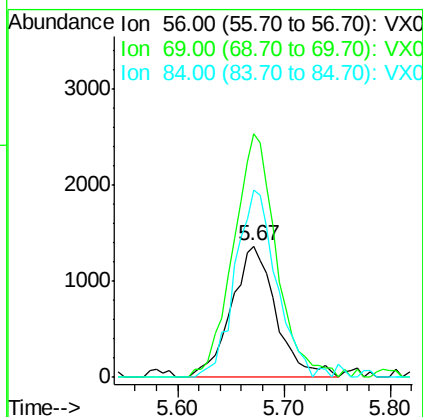
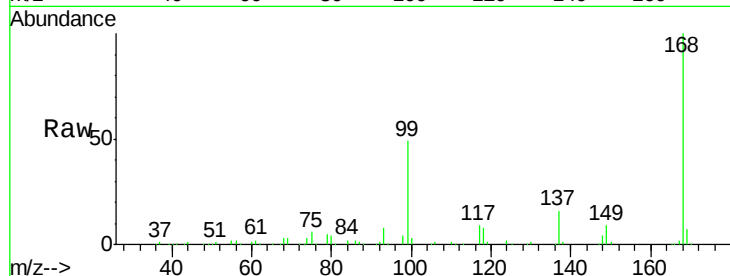




#31
Cyclohexane
Concen: 1.01 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000885.D
Acq: 14 Apr 2018 19:44

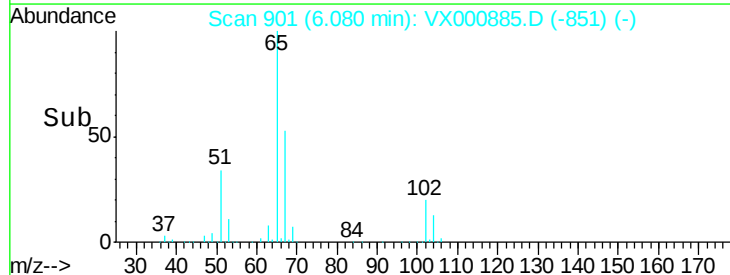
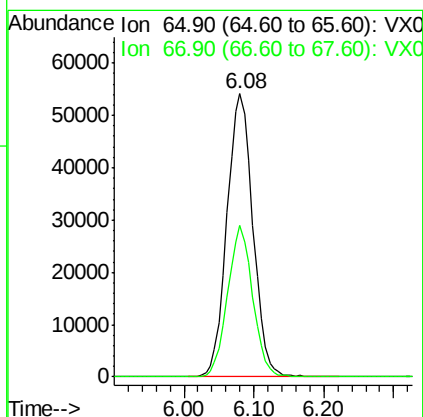
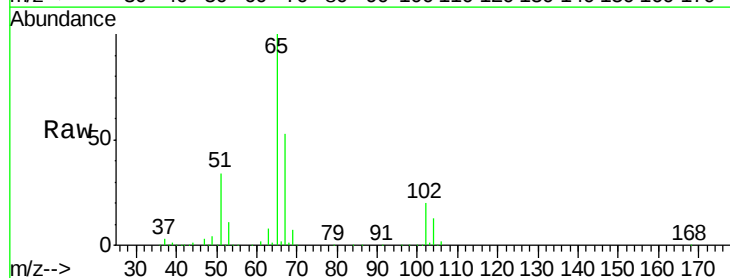
Instrument :
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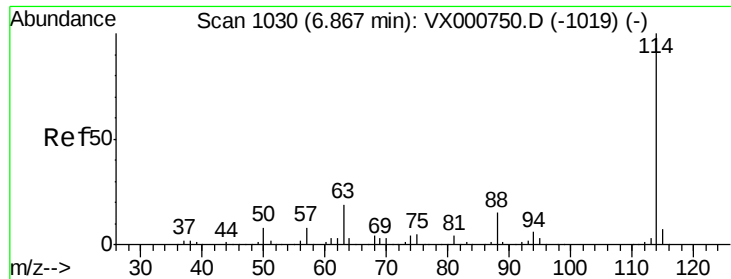
Tgt Ion: 56 Resp: 4014
Ion Ratio Lower Upper
56 100
69 185.2 24.2 36.4#
84 142.3 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 46.43 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX000885.D
Acq: 14 Apr 2018 19:44

Tgt Ion: 65 Resp: 139408
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000885.D

Acq: 14 Apr 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

LF012MW029-180410

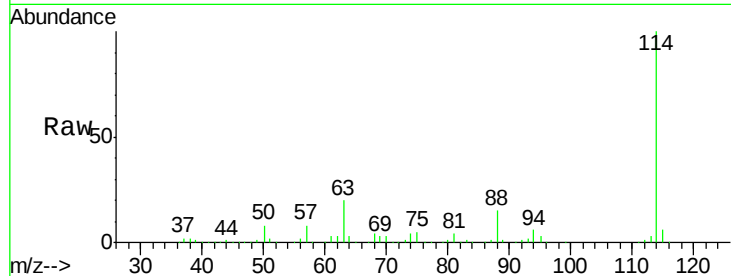
Tgt Ion:114 Resp: 318953

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

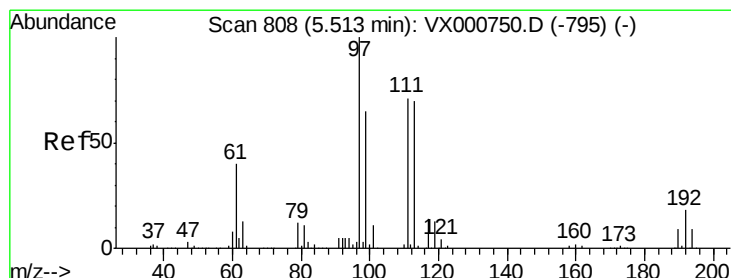
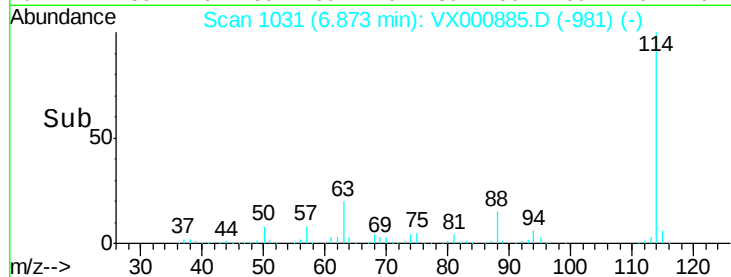
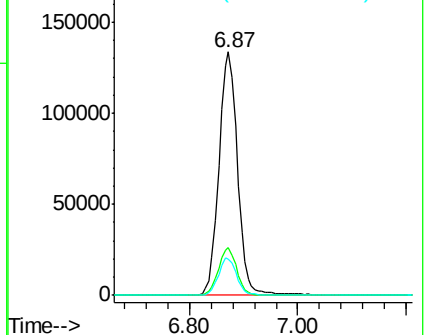
88 15.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.32 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000885.D

Acq: 14 Apr 2018 19:44

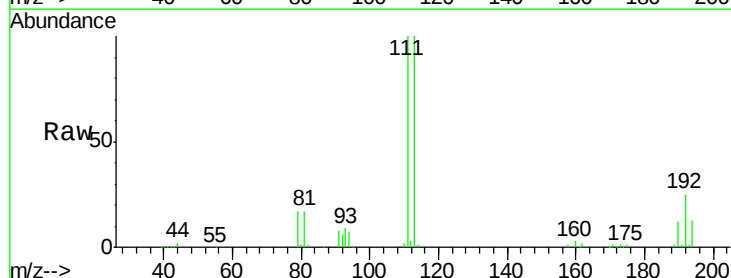
Tgt Ion:113 Resp: 113827

Ion Ratio Lower Upper

113 100

111 101.6 81.5 122.3

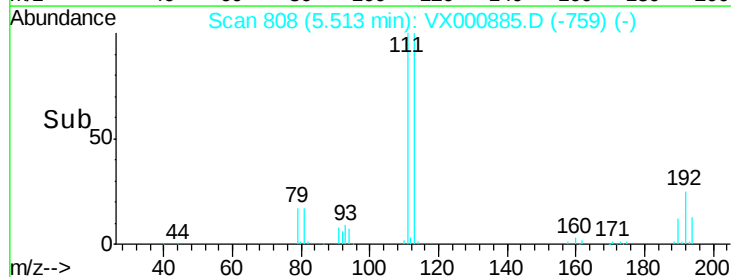
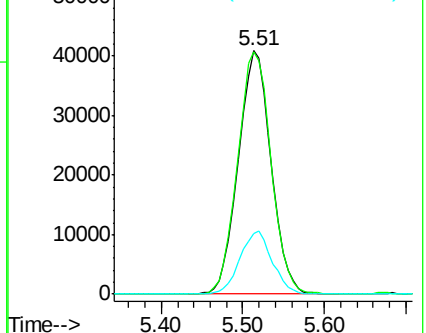
192 25.5 20.4 30.6

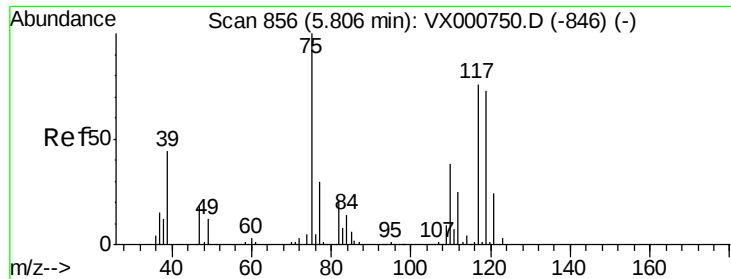


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

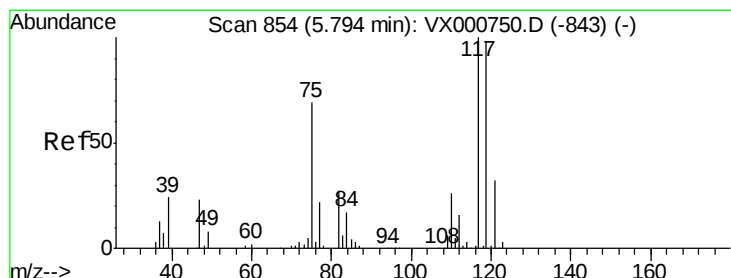
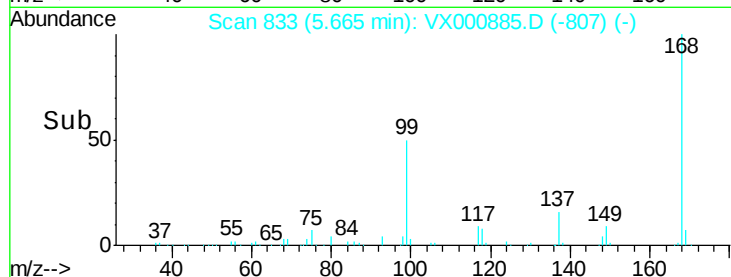
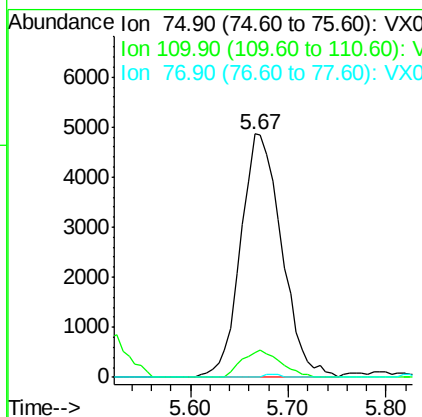
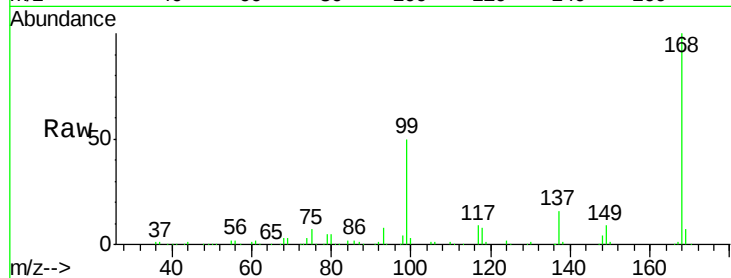




#36
 1,1-Dichloropropene
 Concen: 4.02 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX000885.D
 Acq: 14 Apr 2018 19:44

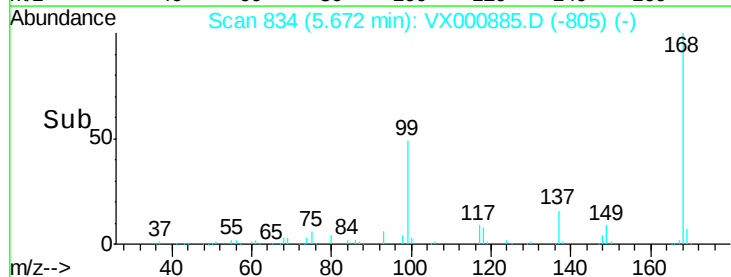
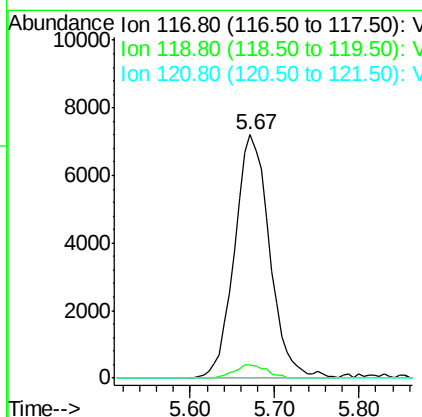
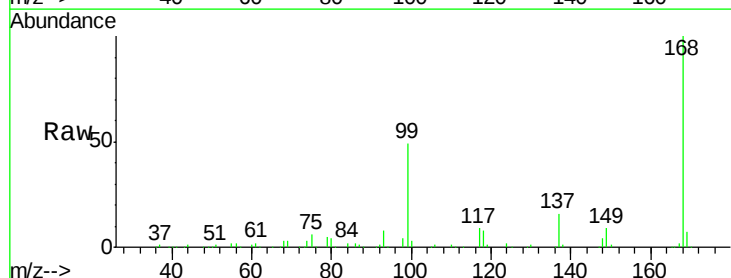
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW029-180410

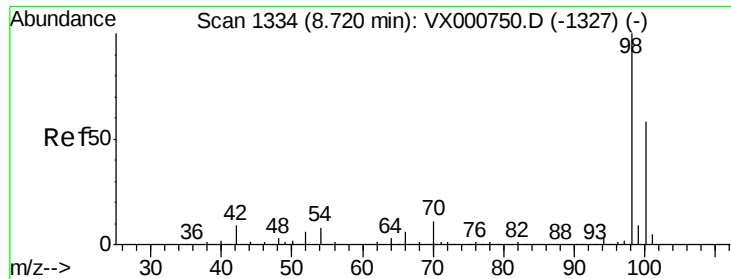
Tgt Ion: 75 Resp: 14127
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.2 57.6#
 77 0.4 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.15 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000885.D
 Acq: 14 Apr 2018 19:44

Tgt Ion: 117 Resp: 20265
 Ion Ratio Lower Upper
 117 100
 119 5.6 78.4 117.6#
 121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 48.47 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000885.D

Acq: 14 Apr 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

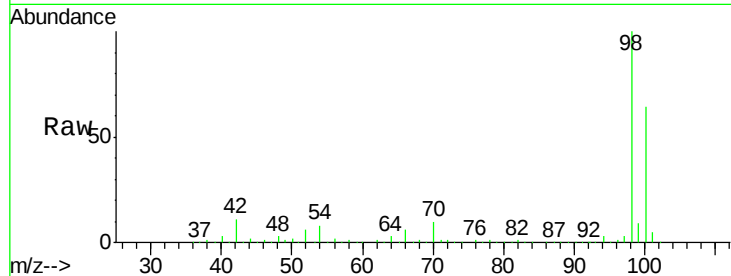
LF012MW029-180410

Tgt Ion: 98 Resp: 443509

Ion Ratio Lower Upper

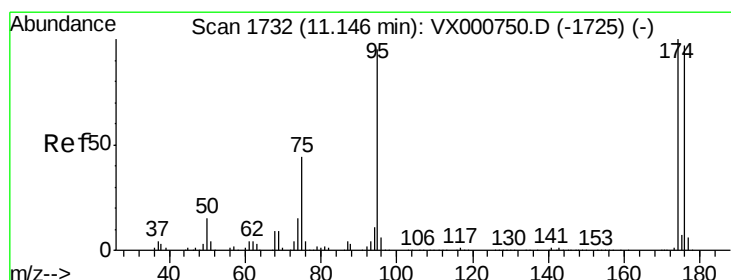
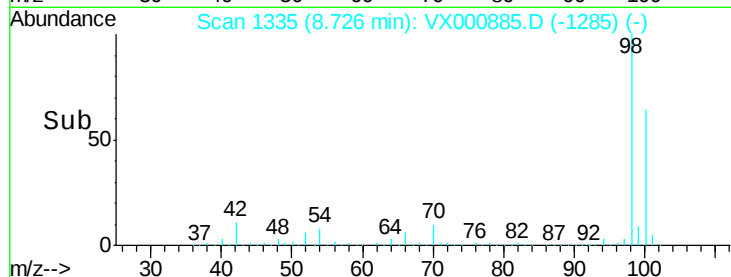
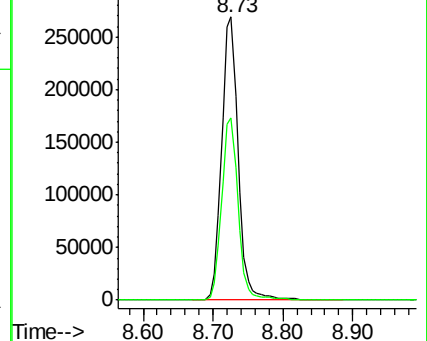
98 100

100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.24 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000885.D

Acq: 14 Apr 2018 19:44

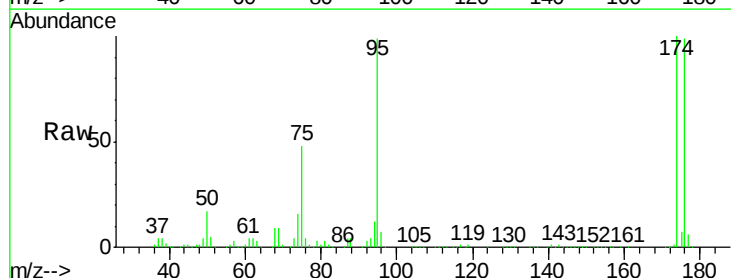
Tgt Ion: 95 Resp: 175021

Ion Ratio Lower Upper

95 100

174 98.7 0.0 198.4

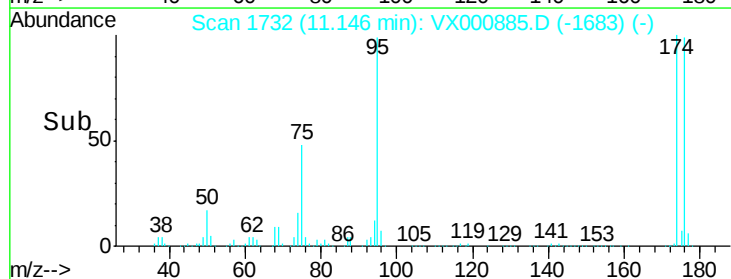
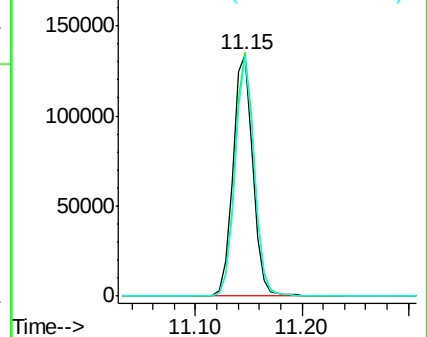
176 95.4 0.0 194.4

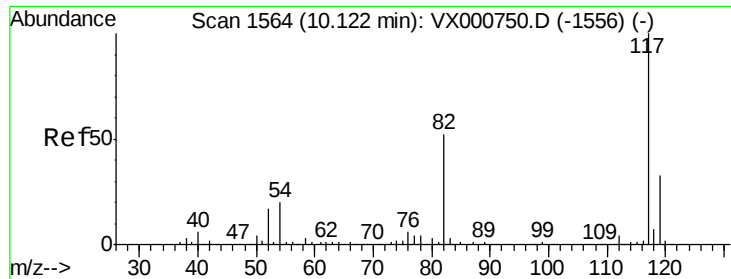


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

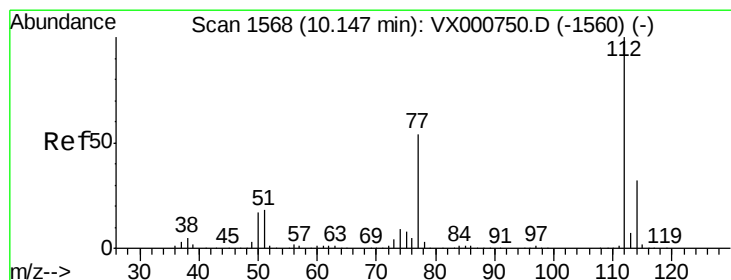
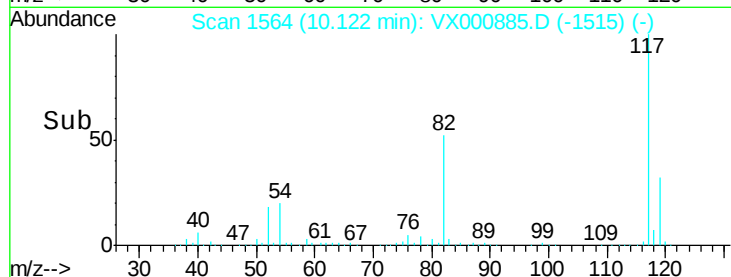
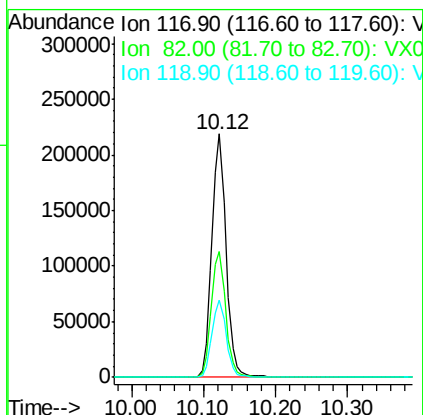
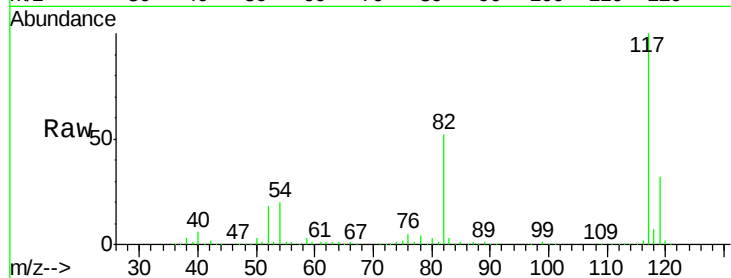




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000885.D
Acq: 14 Apr 2018 19:44

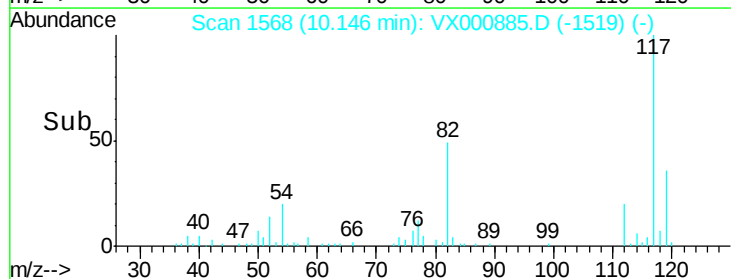
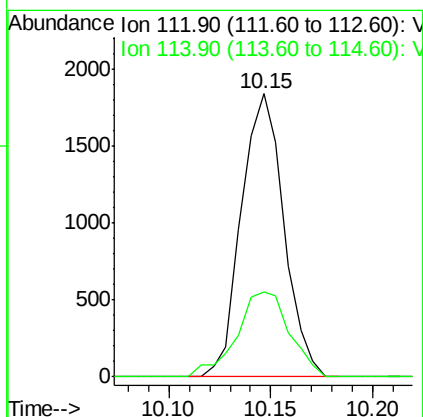
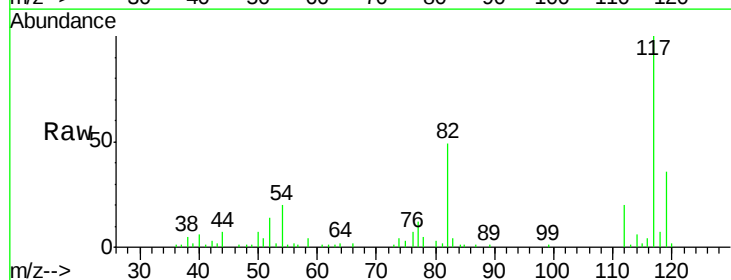
Instrument :
MSVOA_X
ClientSampleId :
LF012MW029-180410

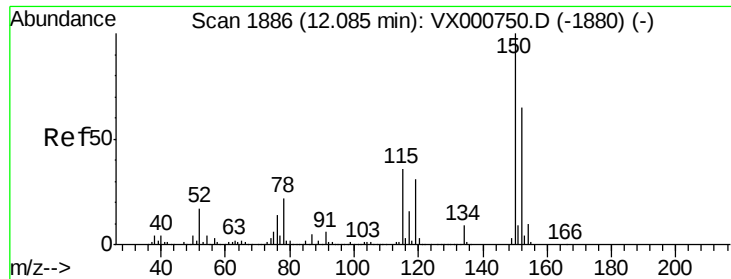
Tgt Ion:117 Resp: 298673
Ion Ratio Lower Upper
117 100
82 51.9 41.9 62.9
119 31.6 26.0 39.0



#65
Chlorobenzene
Concen: 0.36 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000885.D
Acq: 14 Apr 2018 19:44

Tgt Ion:112 Resp: 2669
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000885.D

Acq: 14 Apr 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

LF012MW029-180410

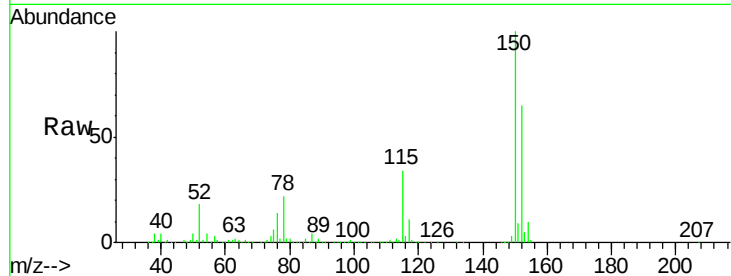
Tgt Ion:152 Resp: 200560

Ion Ratio Lower Upper

152 100

115 52.6 37.9 113.7

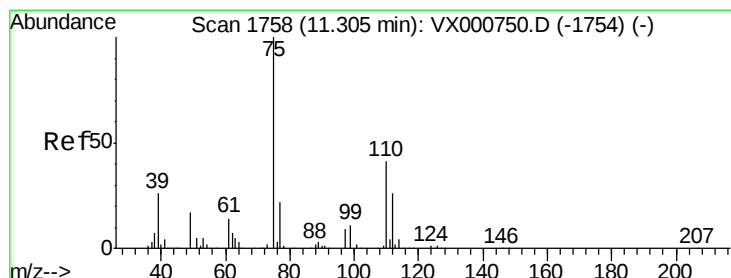
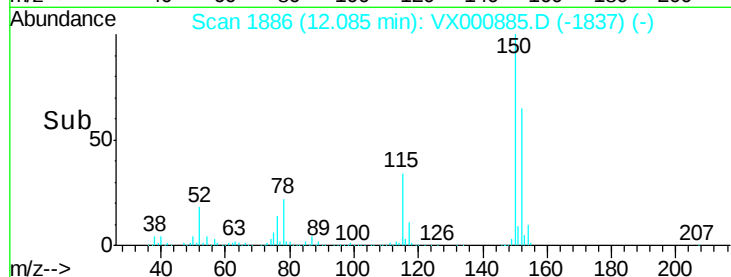
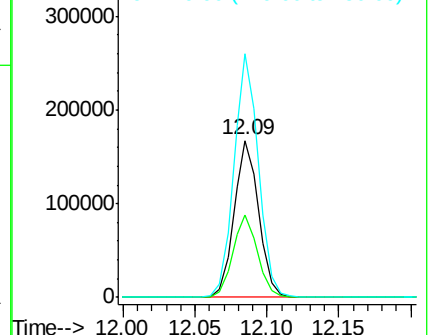
150 154.6 0.0 348.0



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



#76

1,2,3-Trichloropropane

Concen: 24.41 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000885.D

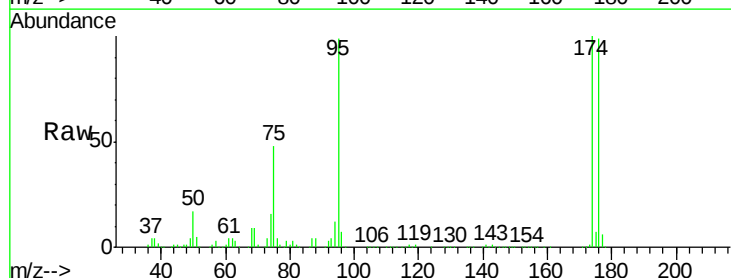
Acq: 14 Apr 2018 19:44

Tgt Ion: 75 Resp: 84447

Ion Ratio Lower Upper

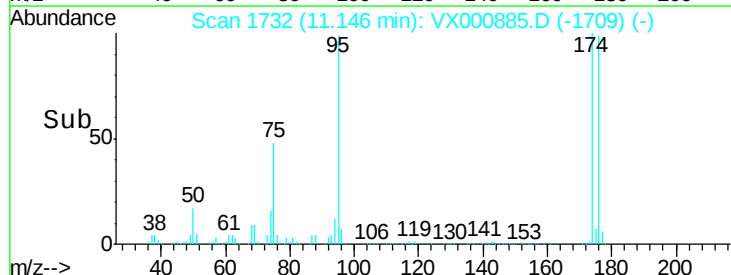
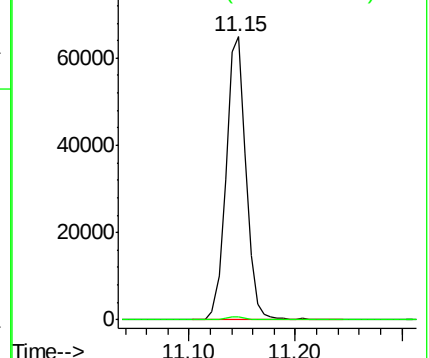
75 100

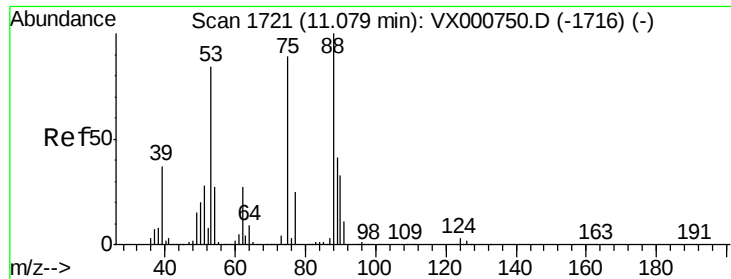
77 1.1 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.16 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000885.D

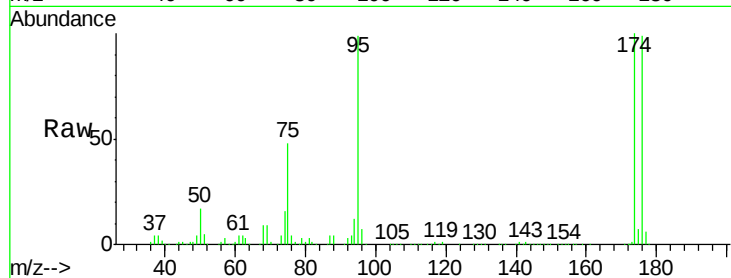
Acq: 14 Apr 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

LF012MW029-180410



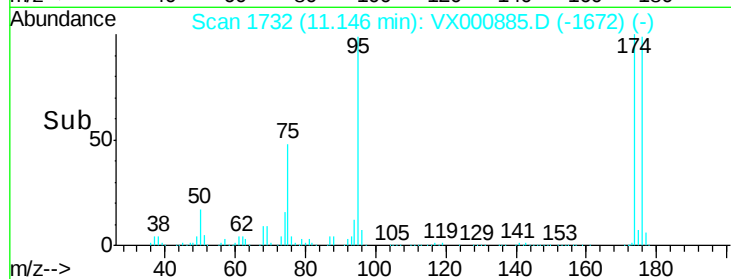
Tgt Ion: 75 Resp: 84447

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

