

Data File : VX001101.D

Acq On : 25 Apr 2018 02:34

Operator : JC/MD

Sample : J2463-16

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 29 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

LF015MW001-180416

Quant Time: Apr 25 07:27:22 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	229651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	324754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	161281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	169502	58.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.46%	
35) Dibromofluoromethane	5.51	113	127546	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	8.72	98	485443	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	11.14	95	169932	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	

Target Compounds

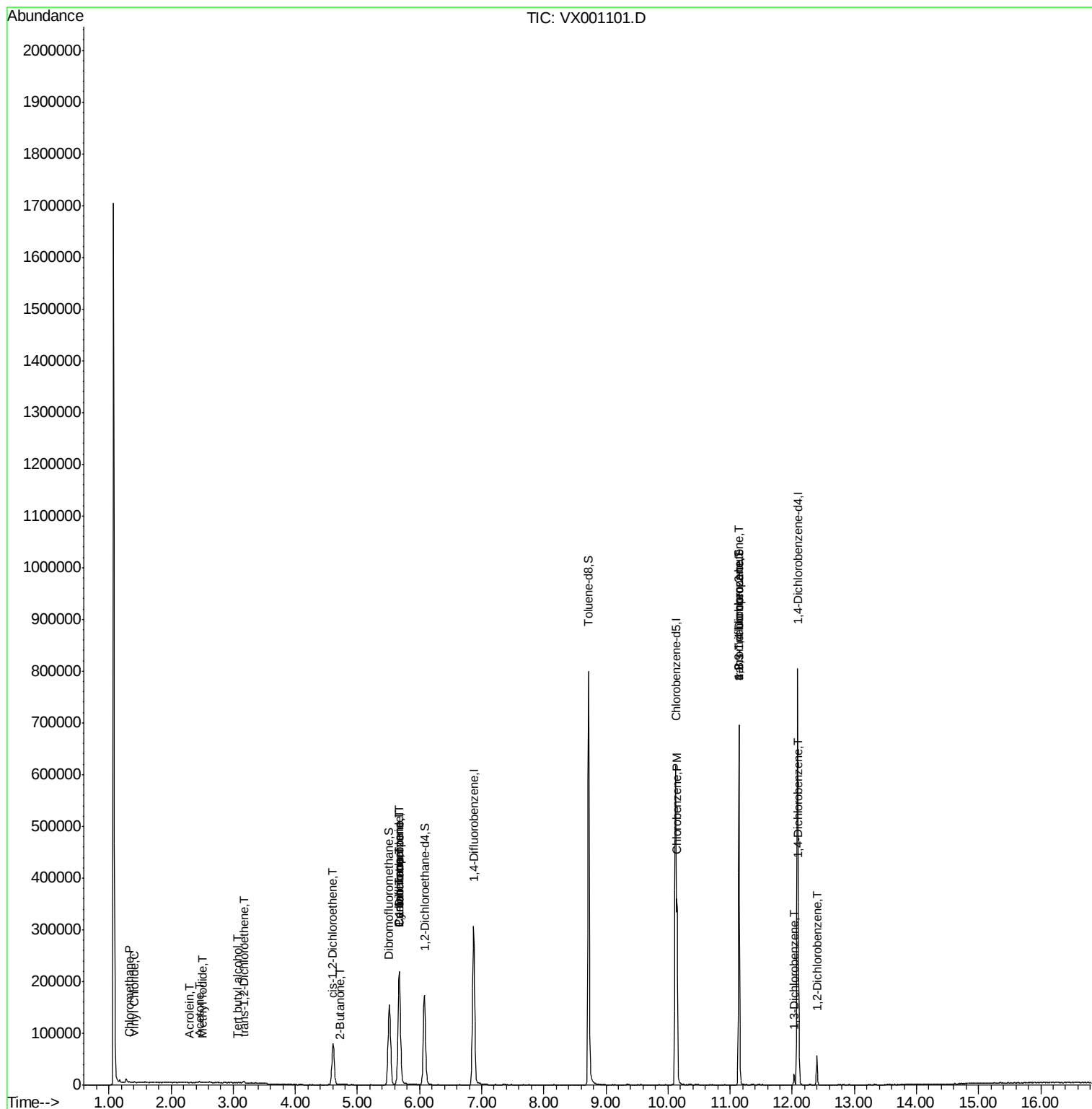
						Qvalue
3) Chloromethane	1.32	50	574	0.22	ug/l	# 79
4) Vinyl Chloride	1.40	62	903	0.33	ug/l	96
5) Bromomethane	1.65	94	340	Below	Cal	# 2
10) Methyl Iodide	2.51	142	56	7.62	ug/l	# 41
11) Tert butyl alcohol	3.07	59	564	1.28	ug/l	95
13) Acrolein	2.29	56	22	11.09	ug/l	# 1
16) Acetone	2.45	43	2344	2.14	ug/l	92
20) Methylene Chloride	2.87	84	398	Below	Cal	# 53
21) trans-1,2-Dichloroethene	3.17	96	1008	0.40	ug/l	89
25) 2-Butanone	4.71	43	518	0.30	ug/l	# 50
27) cis-1,2-Dichloroethene	4.61	96	51198	18.45	ug/l	89
31) Cyclohexane	5.67	56	4272	1.04	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	14720	3.86	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	20084	5.20	ug/l	# 16
65) Chlorobenzene	10.15	112	148385	19.36	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	86931	31.07	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	86931	92.39	ug/l	# 8
87) 1,3-Dichlorobenzene	12.03	146	6549	1.14	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	64298	10.93	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	17771	3.20	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

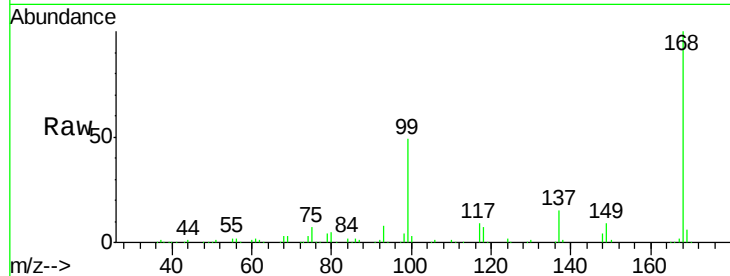
LF015MW001-180416

Tgt Ion:168 Resp: 229651

Ion Ratio Lower Upper

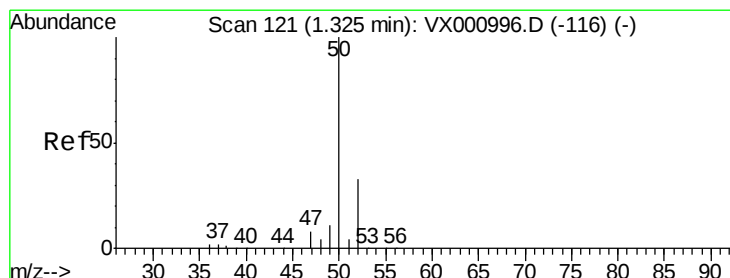
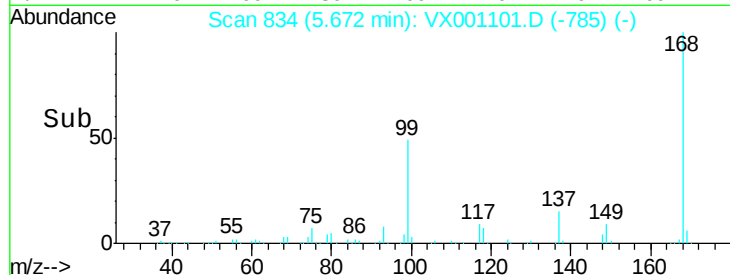
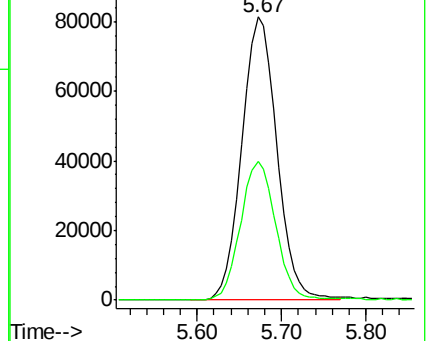
168 100

99 48.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001101.D

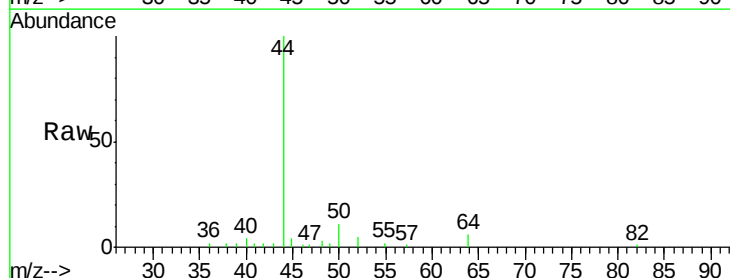
Acq: 25 Apr 2018 02:34

Tgt Ion: 50 Resp: 574

Ion Ratio Lower Upper

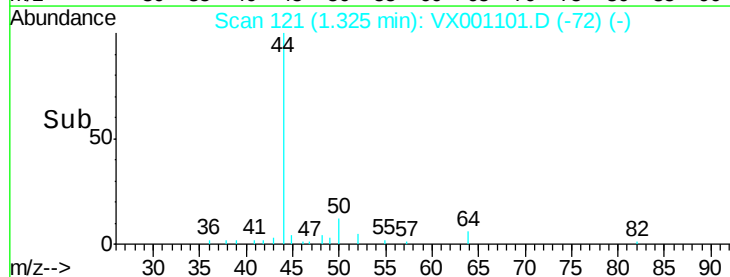
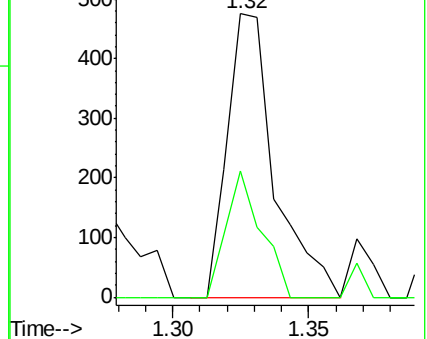
50 100

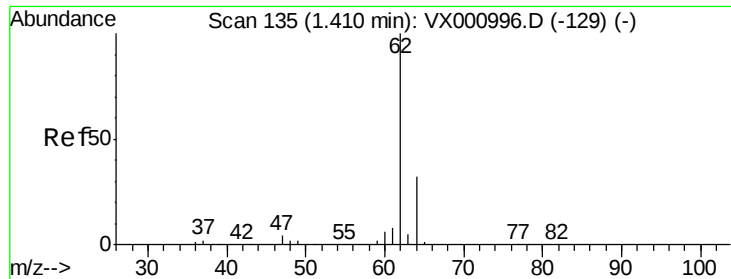
52 44.6 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.33 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

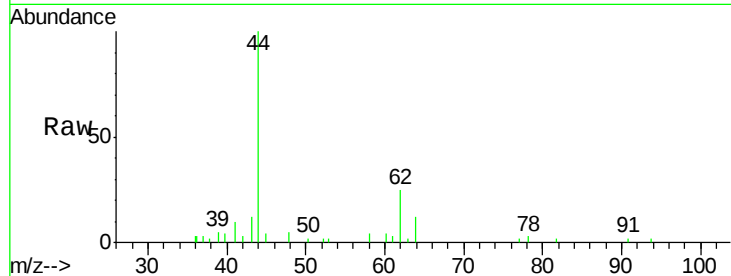
LF015MW001-180416

Tgt Ion: 62 Resp: 903

Ion Ratio Lower Upper

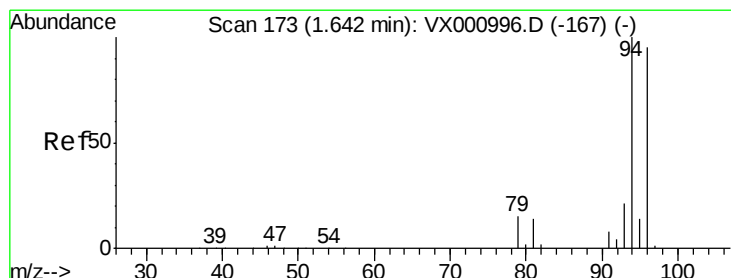
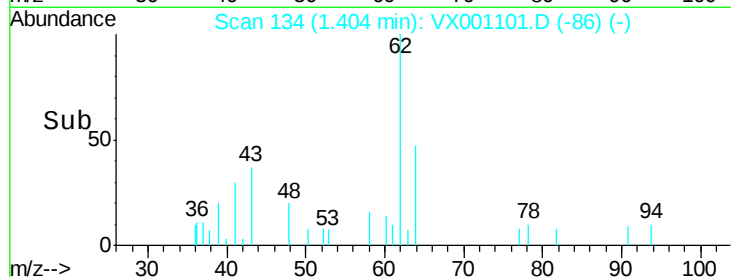
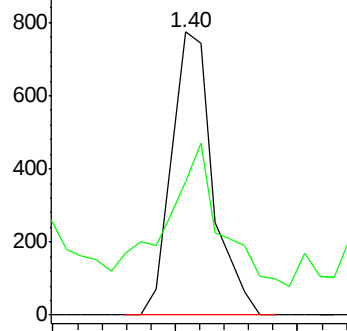
62 100

64 34.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001101.D

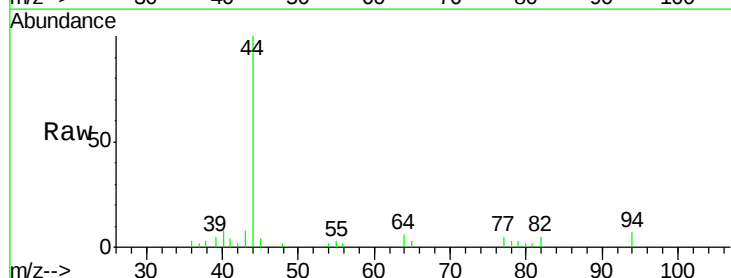
Acq: 25 Apr 2018 02:34

Tgt Ion: 94 Resp: 340

Ion Ratio Lower Upper

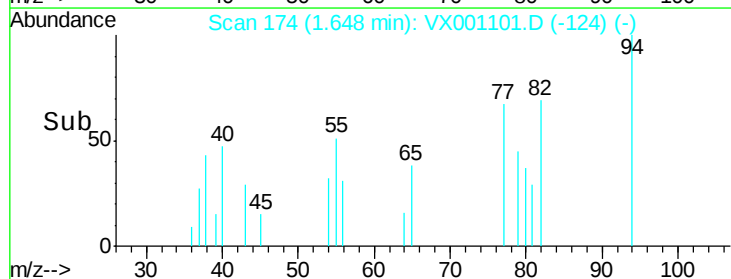
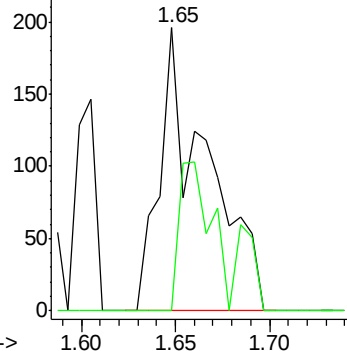
94 100

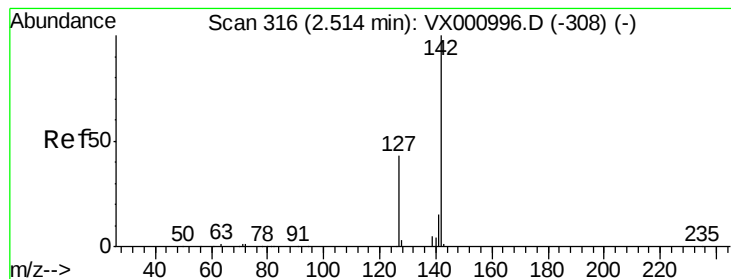
96 0.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 7.62 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

LF015MW001-180416

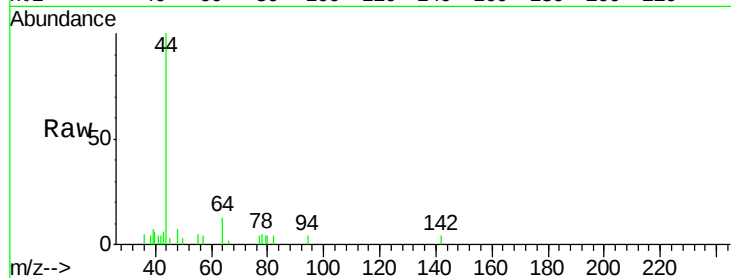
Tgt Ion:142 Resp: 56

Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

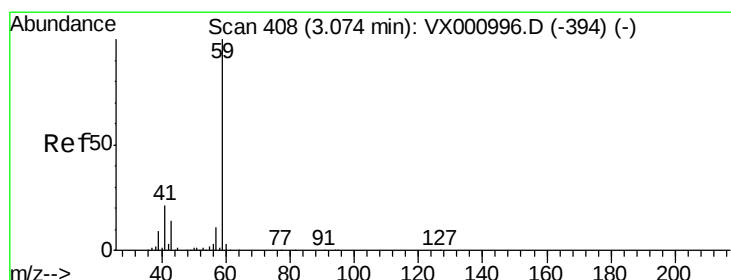
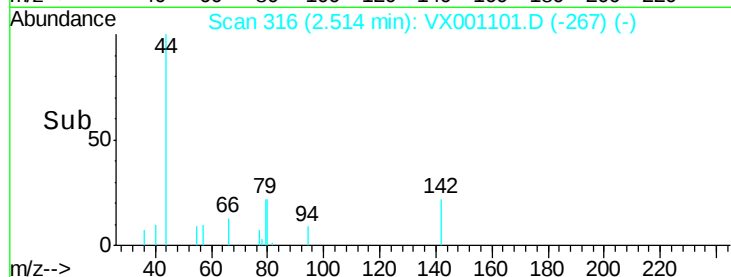
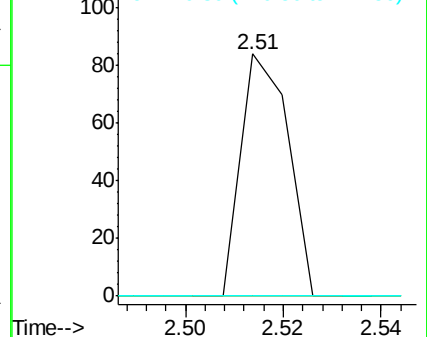
141 0.0 11.4 17.2#



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: 1.28 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX001101.D

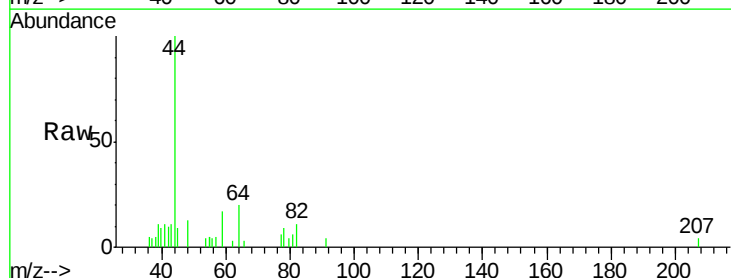
Acq: 25 Apr 2018 02:34

Tgt Ion: 59 Resp: 564

Ion Ratio Lower Upper

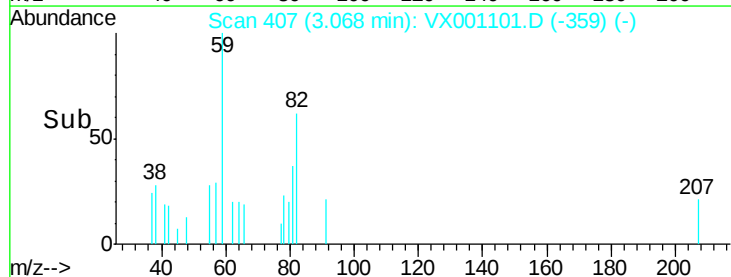
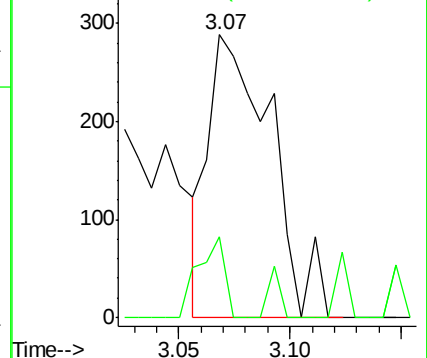
59 100

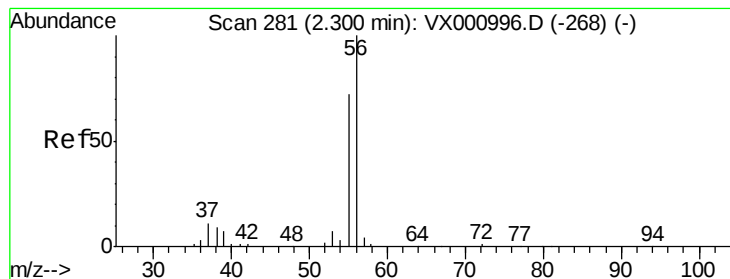
57 12.4 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 11.09 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

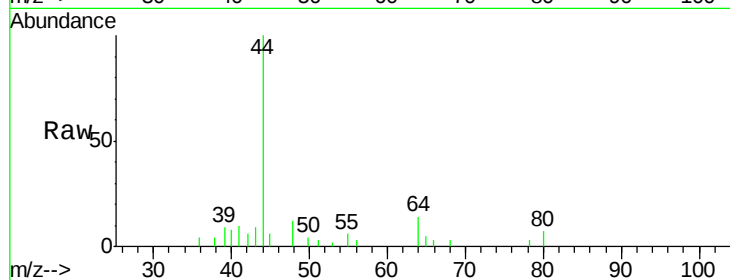
LF015MW001-180416

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

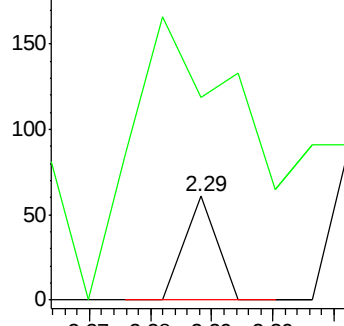
56 100

55 945.5 57.4 86.2#

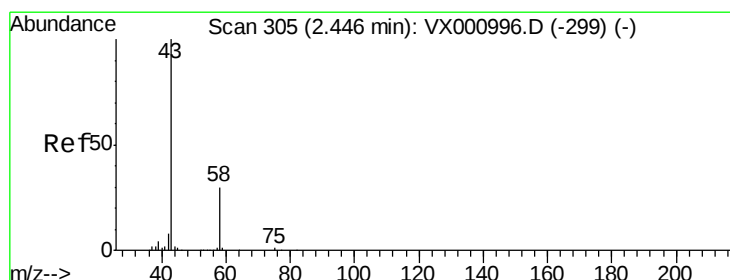
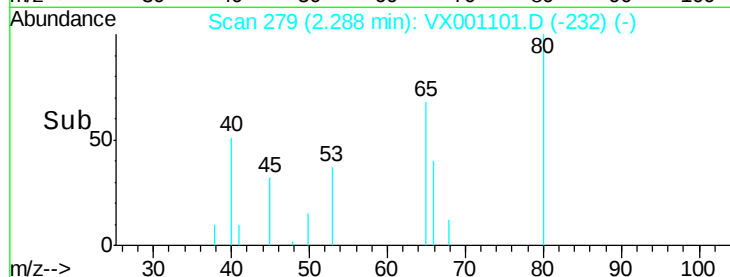


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 2.14 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001101.D

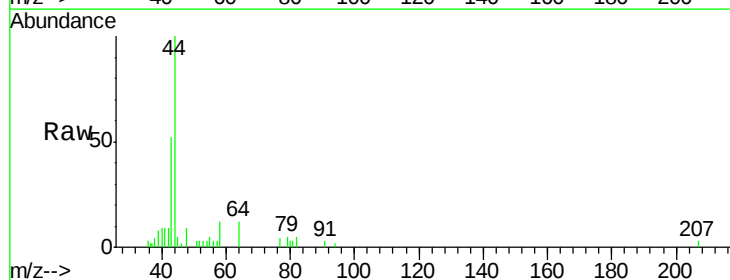
Acq: 25 Apr 2018 02:34

Tgt Ion: 43 Resp: 2344

Ion Ratio Lower Upper

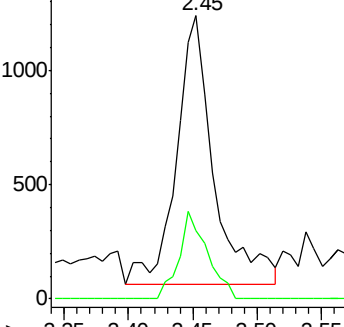
43 100

58 25.5 23.7 35.5

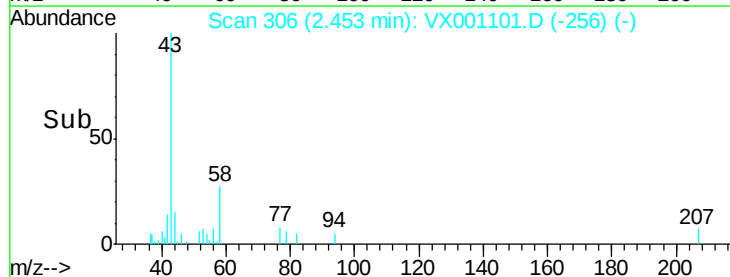


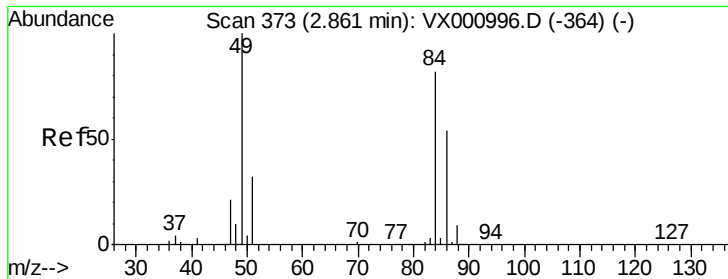
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

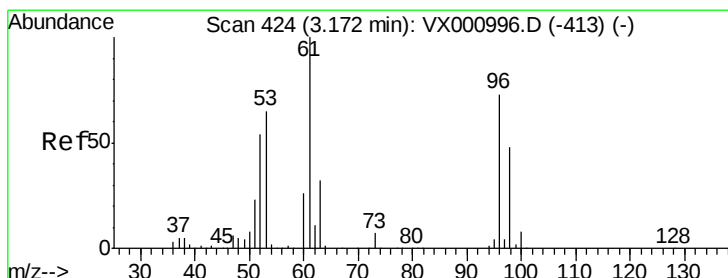
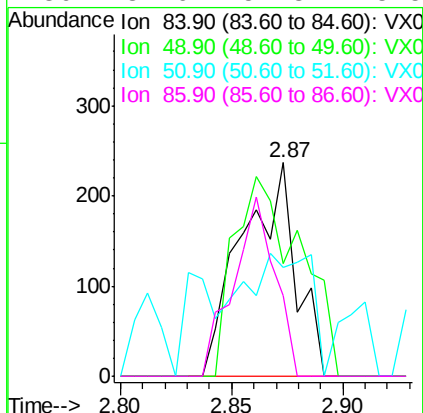
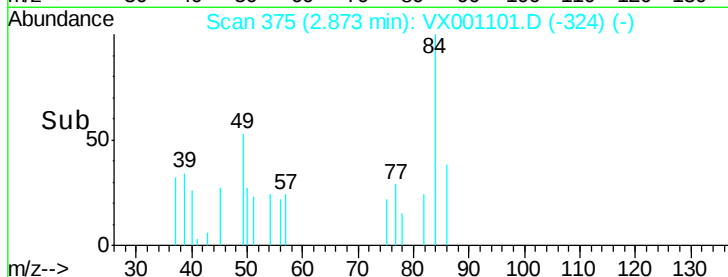
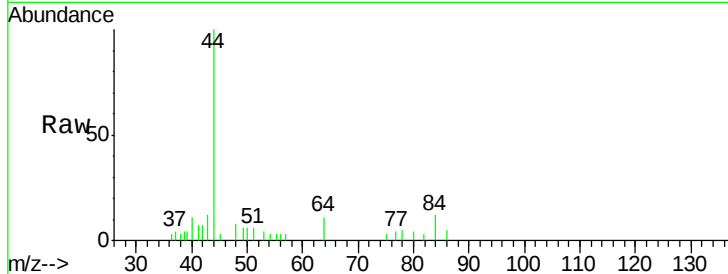




#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VX001101.D
Acq: 25 Apr 2018 02:34

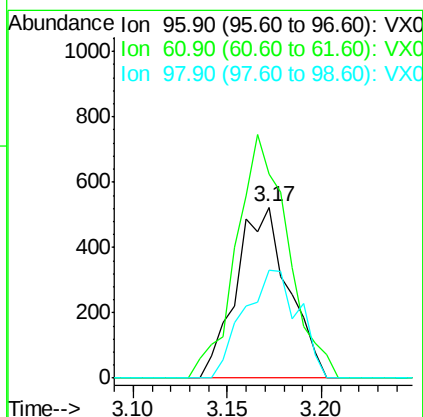
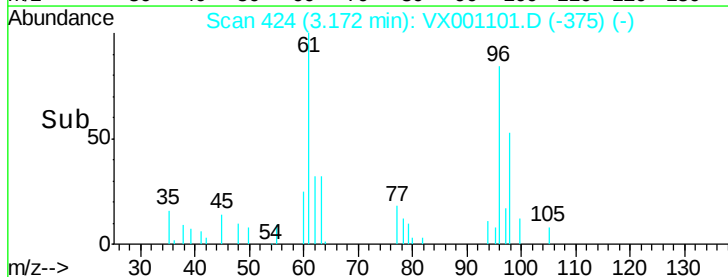
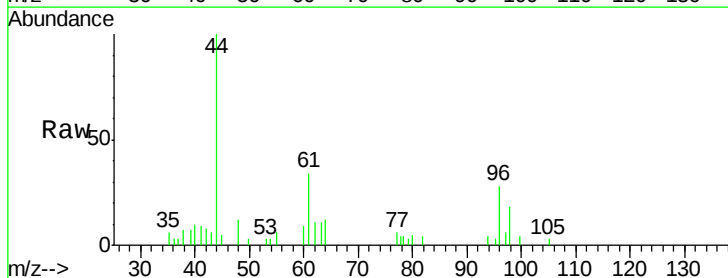
Instrument :
MSVOA_X
ClientSampleId :
LF015MW001-180416

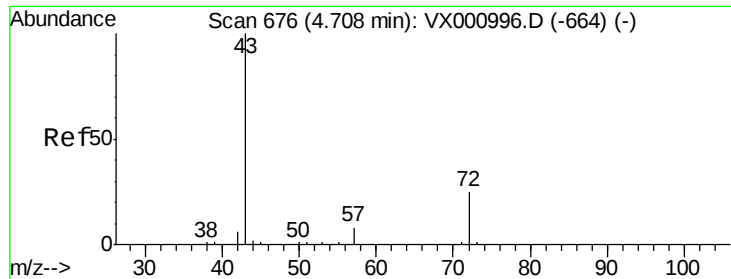
Tgt Ion: 84 Resp: 398
Ion Ratio Lower Upper
84 100
49 52.7 97.1 145.7#
51 25.7 30.8 46.2#
86 37.6 52.3 78.5#



#21
trans-1,2-Dichloroethene
Concen: 0.40 ug/l
RT: 3.17 min Scan# 424
Delta R.T. 0.00 min
Lab File: VX001101.D
Acq: 25 Apr 2018 02:34

Tgt Ion: 96 Resp: 1008
Ion Ratio Lower Upper
96 100
61 119.1 109.4 164.2
98 63.0 52.6 78.8





#25

2-Butanone

Concen: 0.30 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

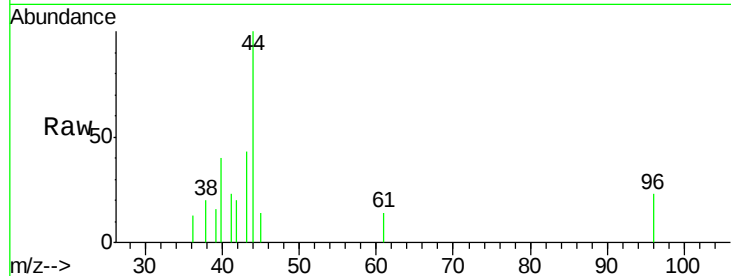
LF015MW001-180416

Tgt Ion: 43 Resp: 518

Ion Ratio Lower Upper

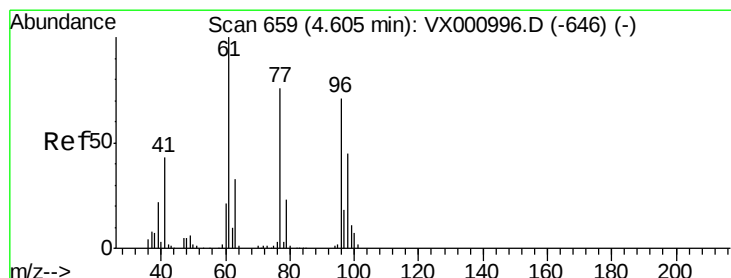
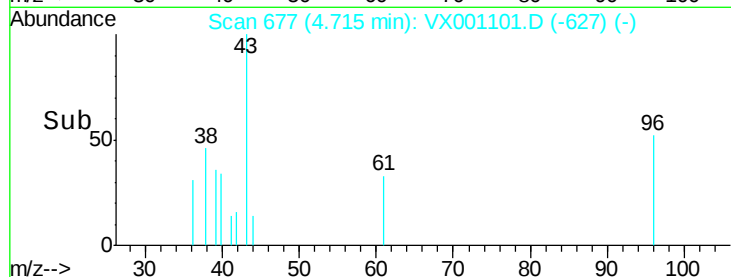
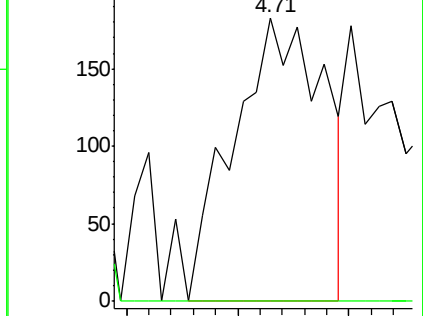
43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 18.45 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

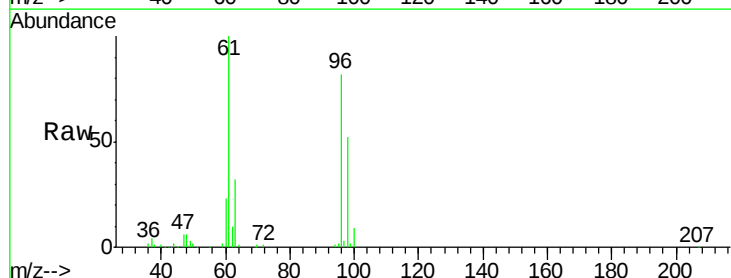
Tgt Ion: 96 Resp: 51198

Ion Ratio Lower Upper

96 100

61 128.3 0.0 297.0

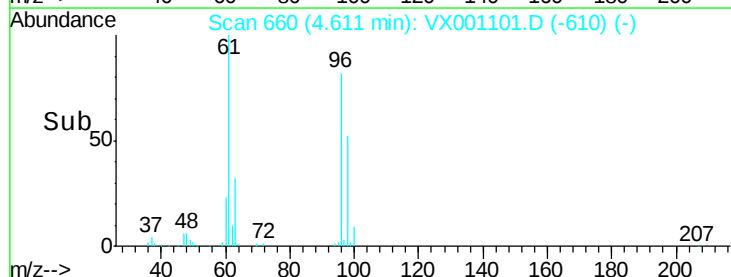
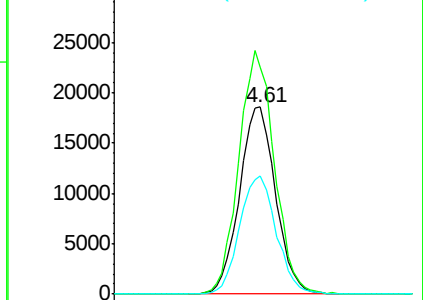
98 64.1 0.0 130.0

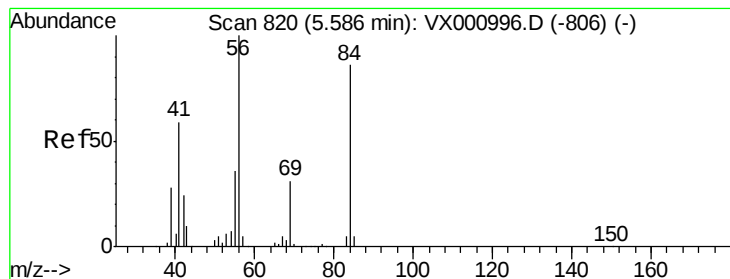


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.04 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

LF015MW001-180416

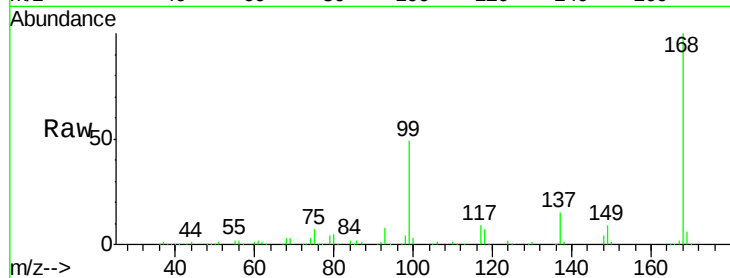
Tgt Ion: 56 Resp: 4272

Ion Ratio Lower Upper

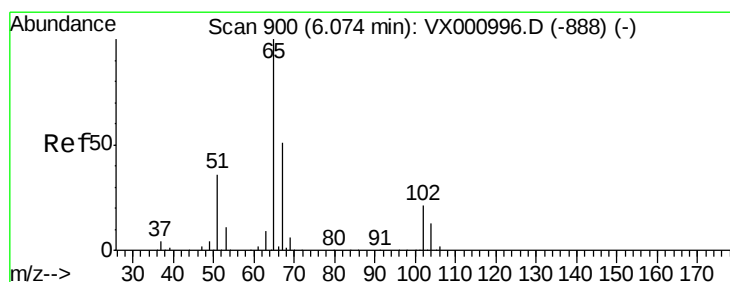
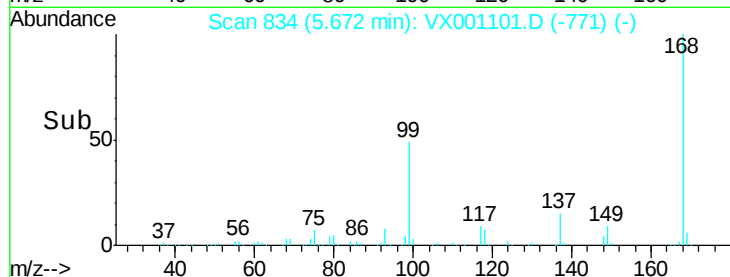
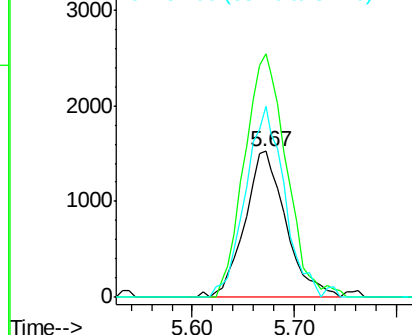
56 100

69 167.0 24.6 36.8#

84 131.4 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 58.23 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001101.D

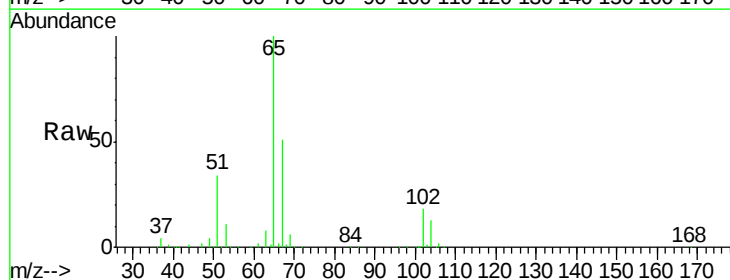
Acq: 25 Apr 2018 02:34

Tgt Ion: 65 Resp: 169502

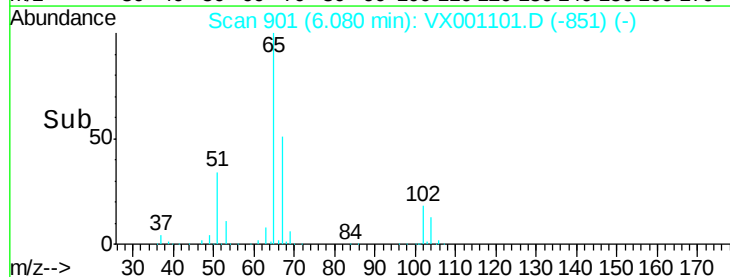
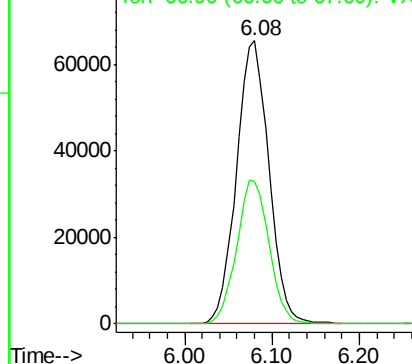
Ion Ratio Lower Upper

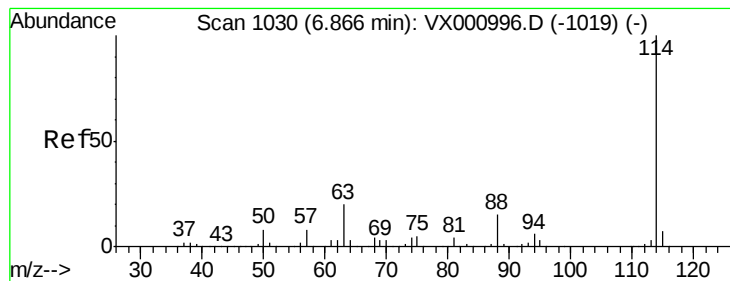
65 100

67 50.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

LF015MW001-180416

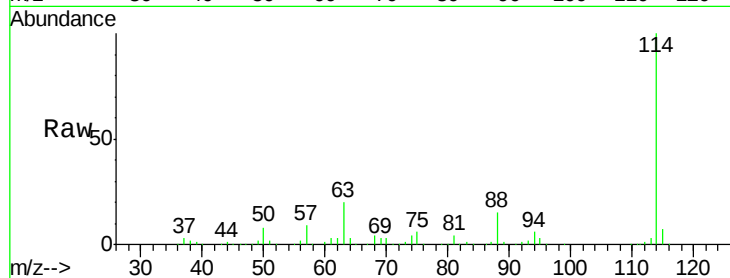
Tgt Ion:114 Resp: 324754

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

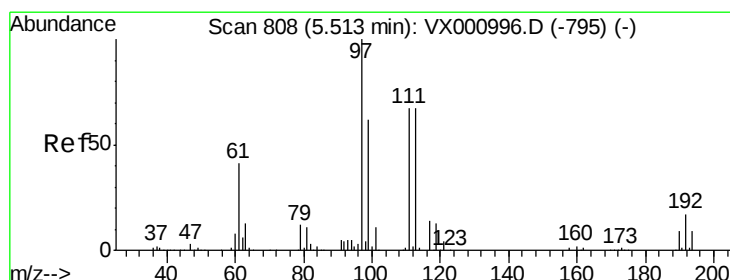
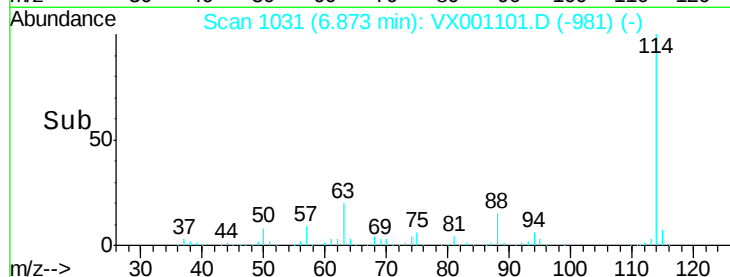
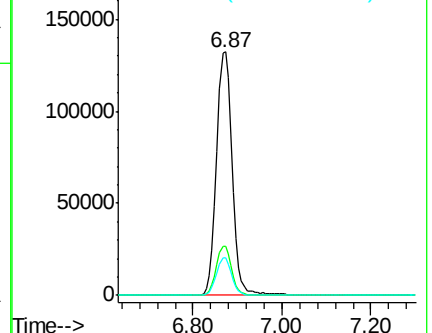
88 15.5 0.0 29.8



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: 51.51 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

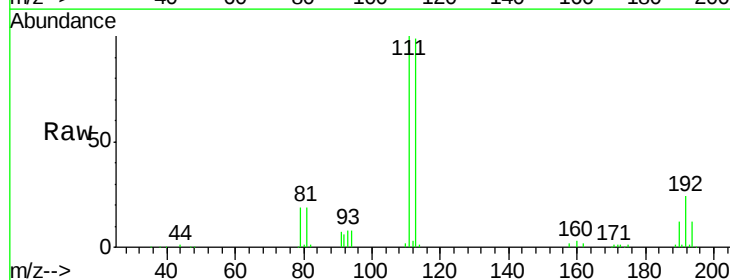
Tgt Ion:113 Resp: 127546

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.2

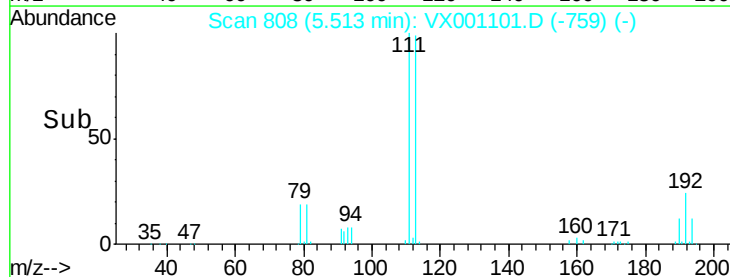
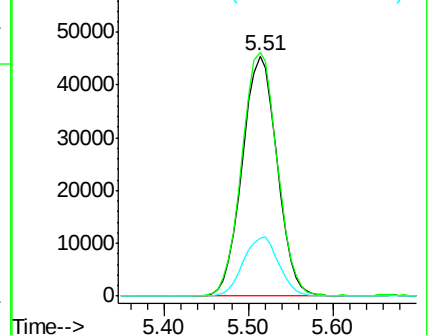
192 25.2 20.4 30.6

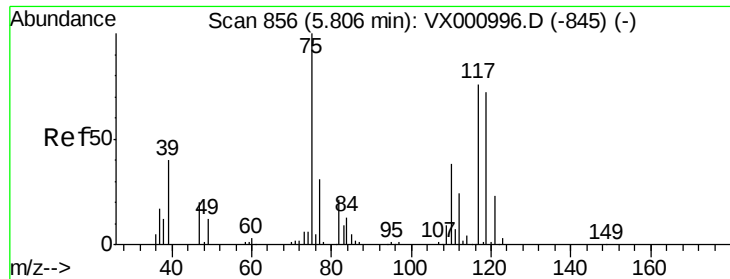


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

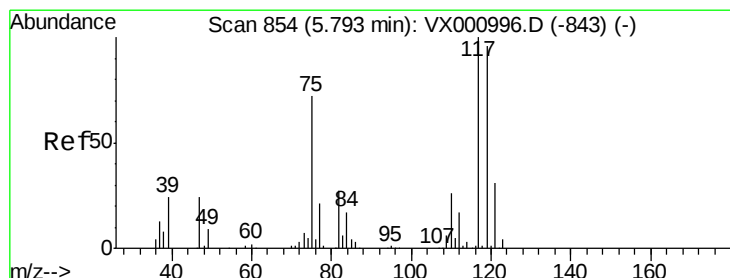
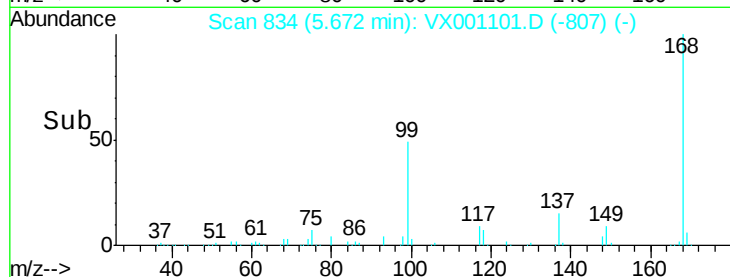
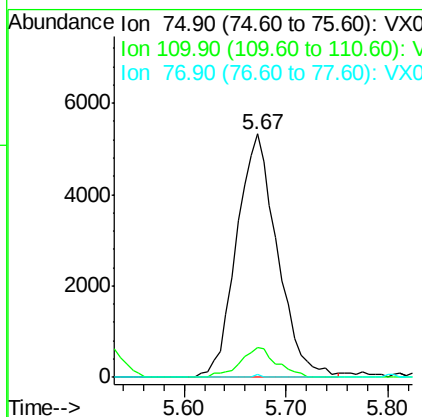
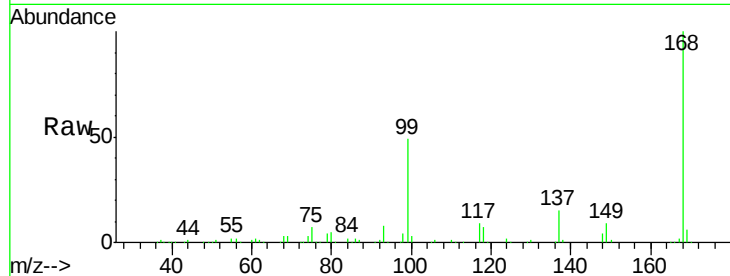




#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001101.D
 Acq: 25 Apr 2018 02:34

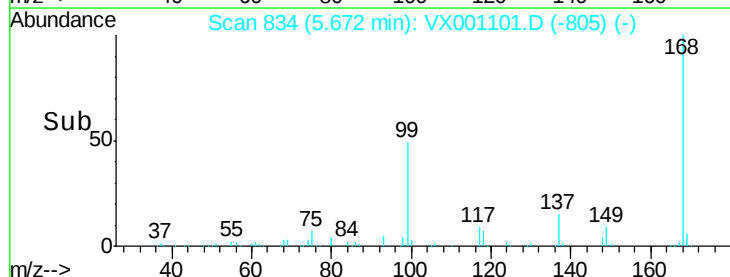
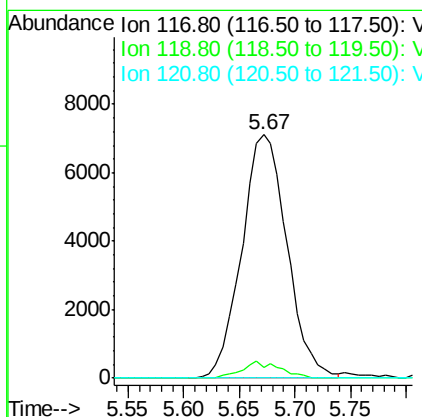
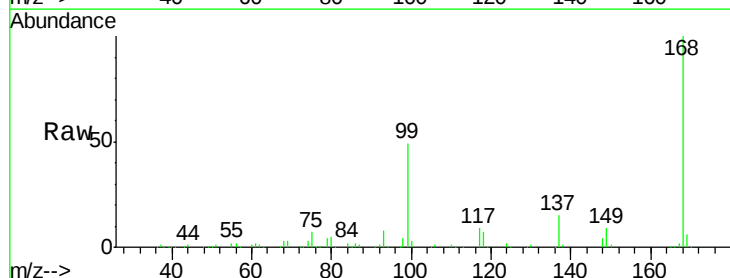
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW001-180416

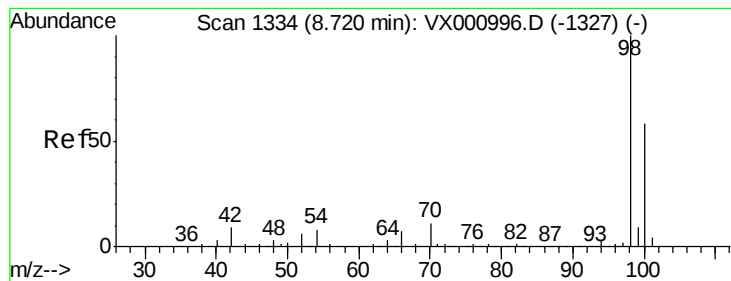
Tgt Ion: 75 Resp: 14720
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.7 56.1#
 77 0.2 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.20 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001101.D
 Acq: 25 Apr 2018 02:34

Tgt Ion: 117 Resp: 20084
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.5 114.7#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 53.01 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

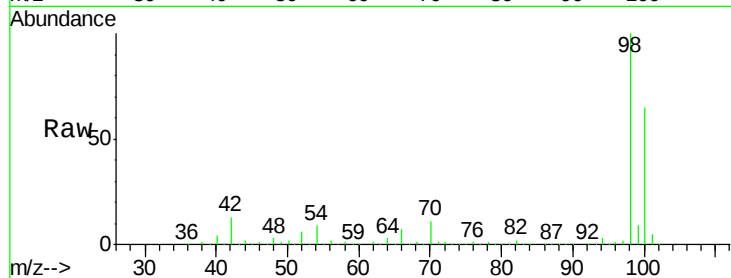
LF015MW001-180416

Tgt Ion: 98 Resp: 485443

Ion Ratio Lower Upper

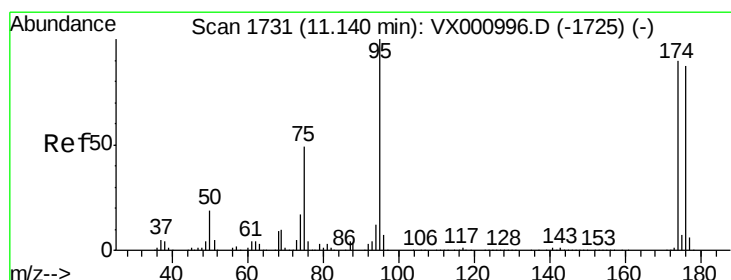
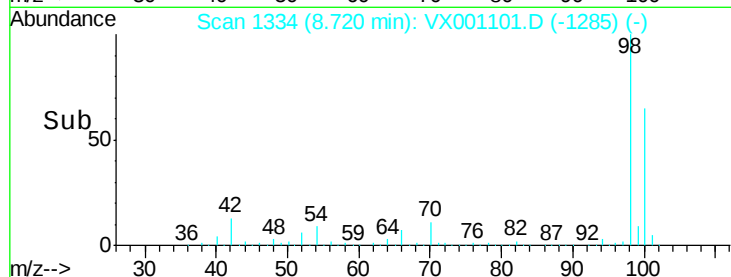
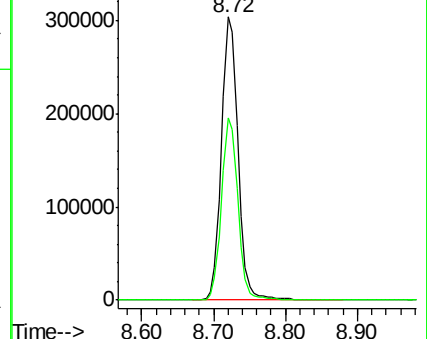
98 100

100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

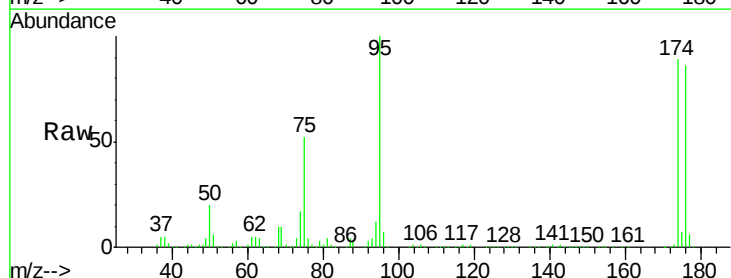
Tgt Ion: 95 Resp: 169932

Ion Ratio Lower Upper

95 100

174 97.8 0.0 198.4

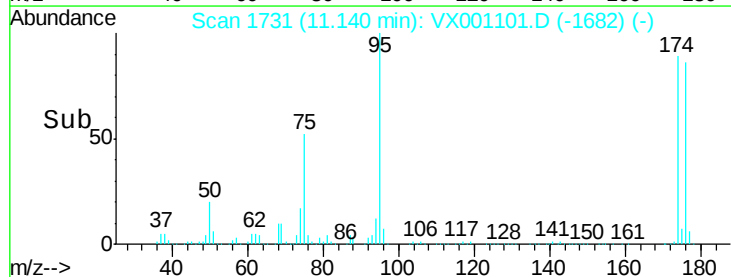
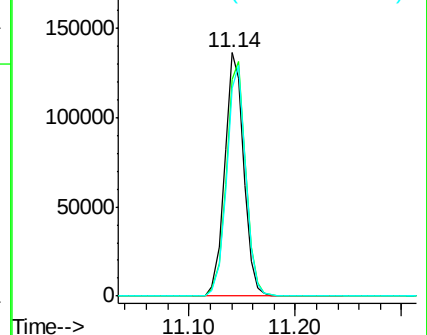
176 94.8 0.0 192.0

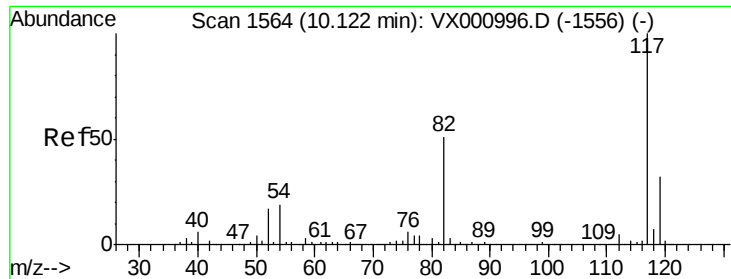


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

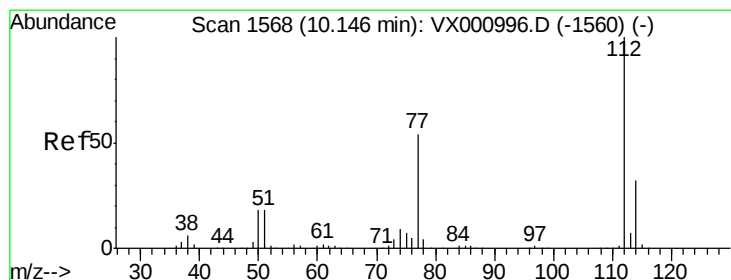
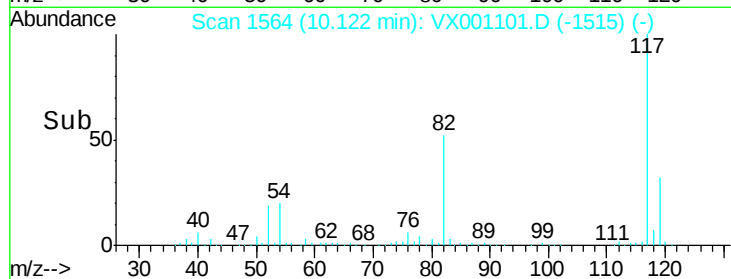
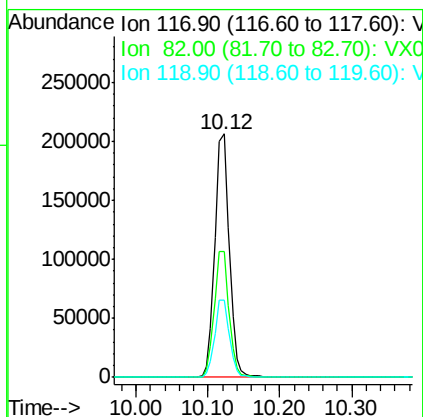
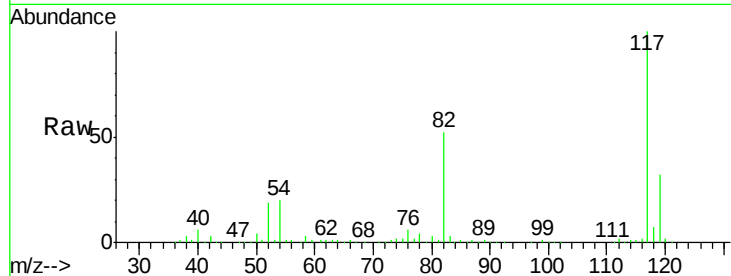




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001101.D
Acq: 25 Apr 2018 02:34

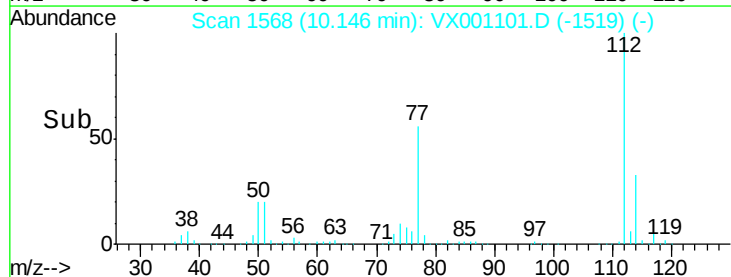
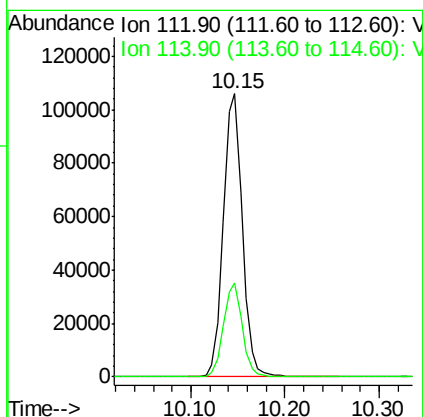
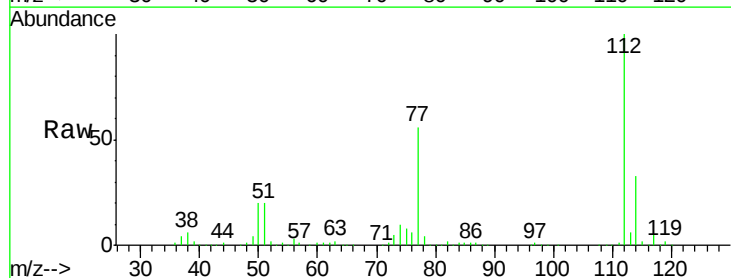
Instrument :
MSVOA_X
ClientSampleId :
LF015MW001-180416

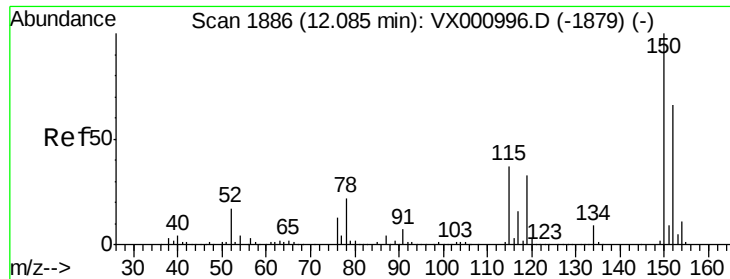
Tgt Ion:117 Resp: 287907
Ion Ratio Lower Upper
117 100
82 51.6 40.6 60.8
119 31.9 26.0 39.0



#65
Chlorobenzene
Concen: 19.36 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001101.D
Acq: 25 Apr 2018 02:34

Tgt Ion:112 Resp: 148385
Ion Ratio Lower Upper
112 100
114 33.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

LF015MW001-180416

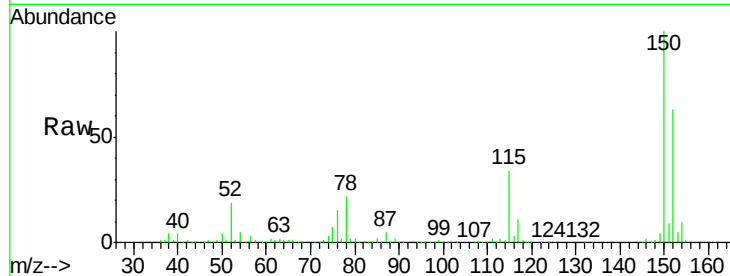
Tgt Ion:152 Resp: 161281

Ion Ratio Lower Upper

152 100

115 54.6 38.2 114.6

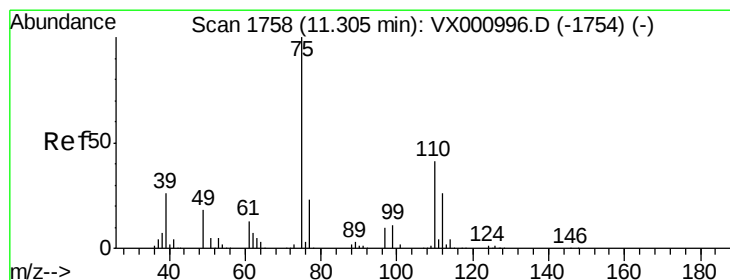
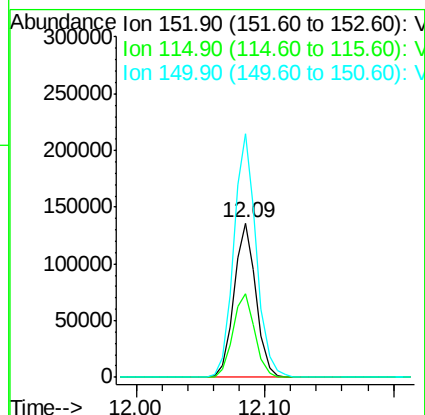
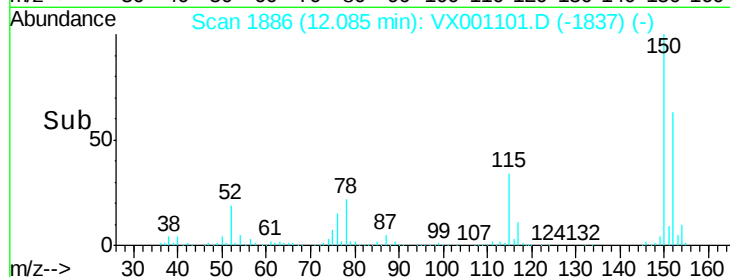
150 162.4 0.0 350.4



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: 31.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001101.D

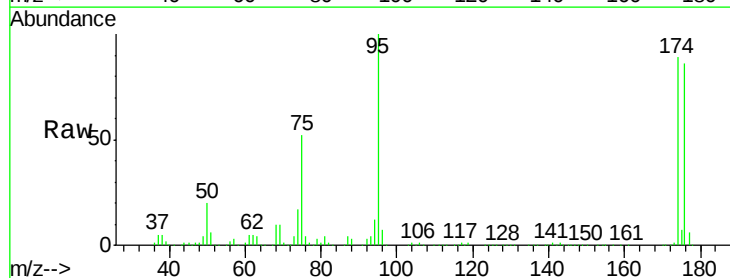
Acq: 25 Apr 2018 02:34

Tgt Ion: 75 Resp: 86931

Ion Ratio Lower Upper

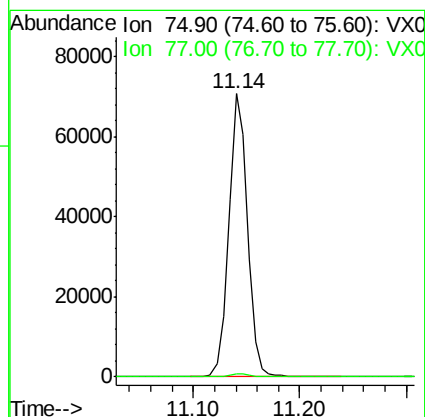
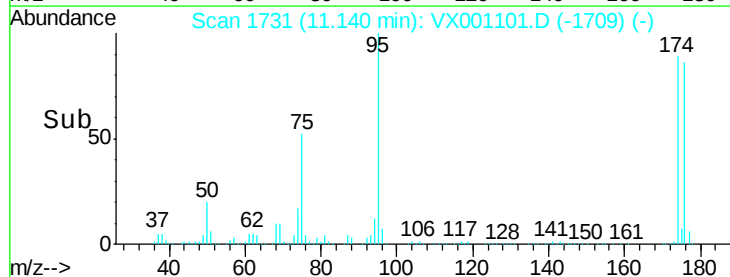
75 100

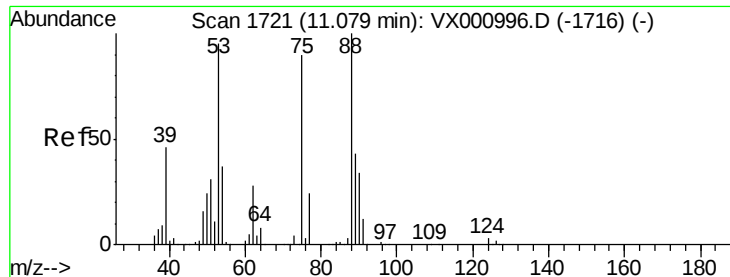
77 1.2 19.6 58.7#



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: 92.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

LF015MW001-180416

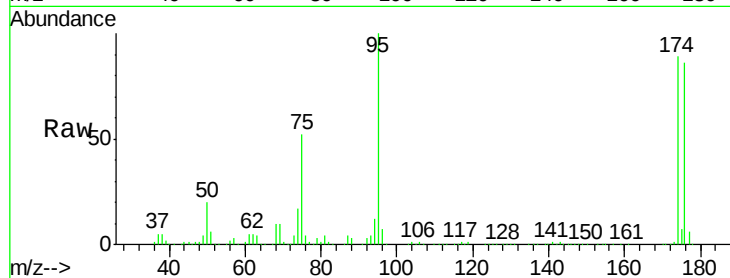
Tgt Ion: 75 Resp: 86931

Ion Ratio Lower Upper

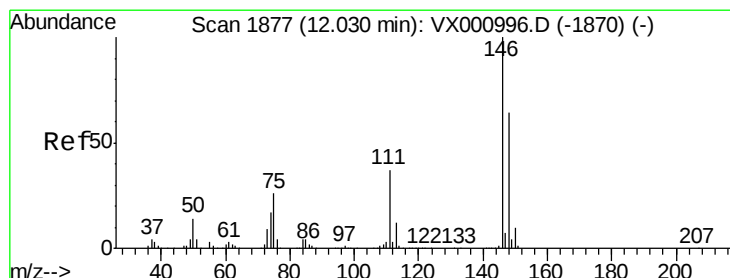
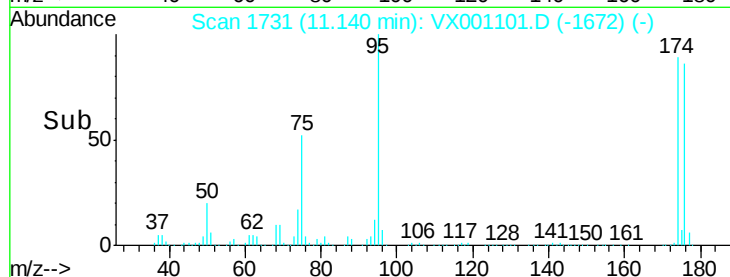
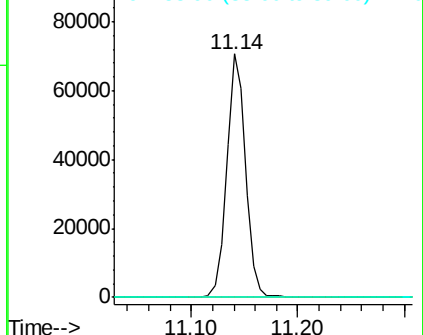
75 100

53 0.1 83.4 125.2#

89 0.0 39.7 59.5#



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



#87

1,3-Dichlorobenzene

Concen: 1.14 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001101.D

Acq: 25 Apr 2018 02:34

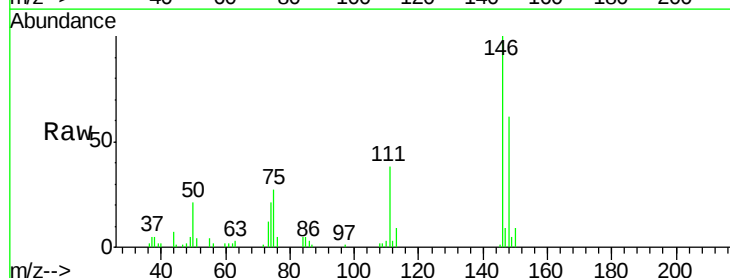
Tgt Ion: 146 Resp: 6549

Ion Ratio Lower Upper

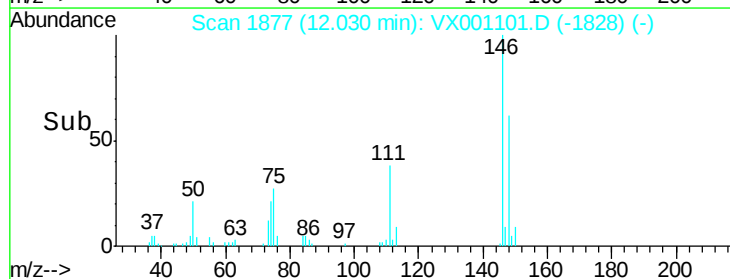
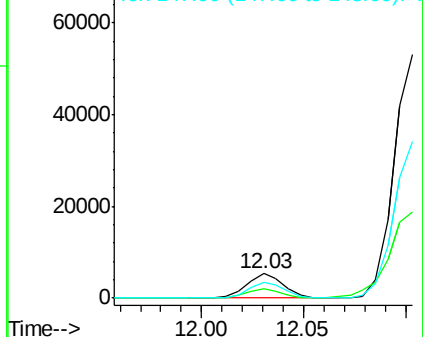
146 100

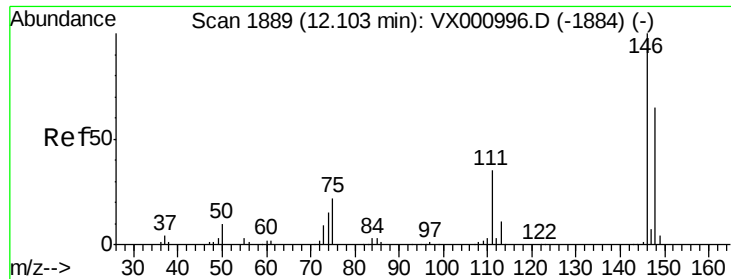
111 35.4 18.3 54.8

148 62.9 32.2 96.6



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

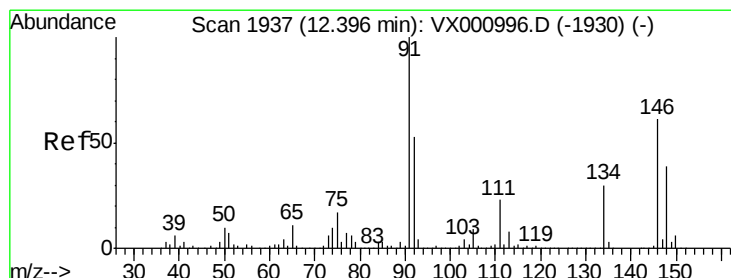
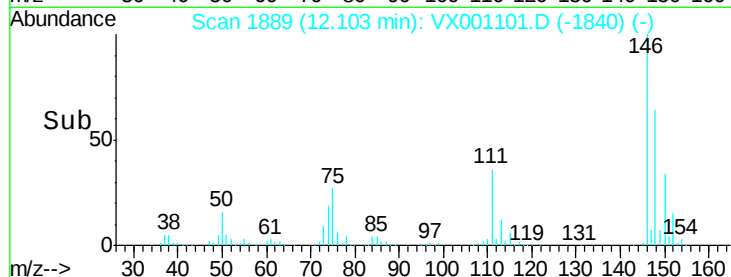
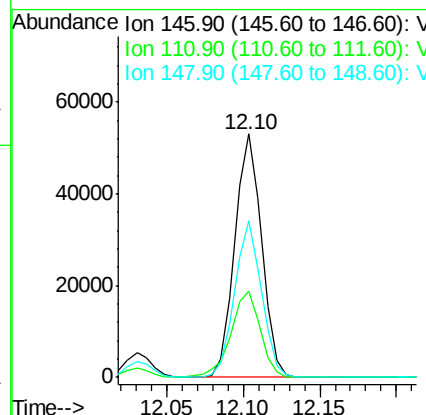
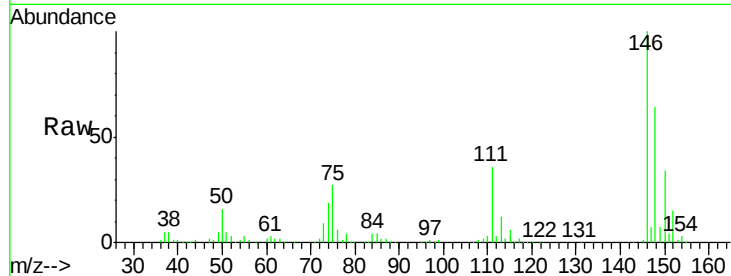




#88
 1,4-Dichlorobenzene
 Concen: 10.93 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001101.D
 Acq: 25 Apr 2018 02:34

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW001-180416

Tgt Ion:146 Resp: 64298
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.0 54.0
 148 64.6 32.4 97.0



#91
 1,2-Dichlorobenzene
 Concen: 3.20 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001101.D
 Acq: 25 Apr 2018 02:34

Tgt Ion:146 Resp: 17771
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.6 56.0
 148 66.3 32.3 96.8

