

Data File : VX001093.D

Acq On : 24 Apr 2018 23:09

Operator : JC/MD

Sample : J2463-02

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 21 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

LF014RW133-180416

Quant Time: Apr 25 07:24:39 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	5.68	168	227793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322832	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157168	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	169530	58.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.42%	
35) Dibromofluoromethane	5.51	113	129345	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	8.72	98	490346	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	11.14	95	167159	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	

Target Compounds

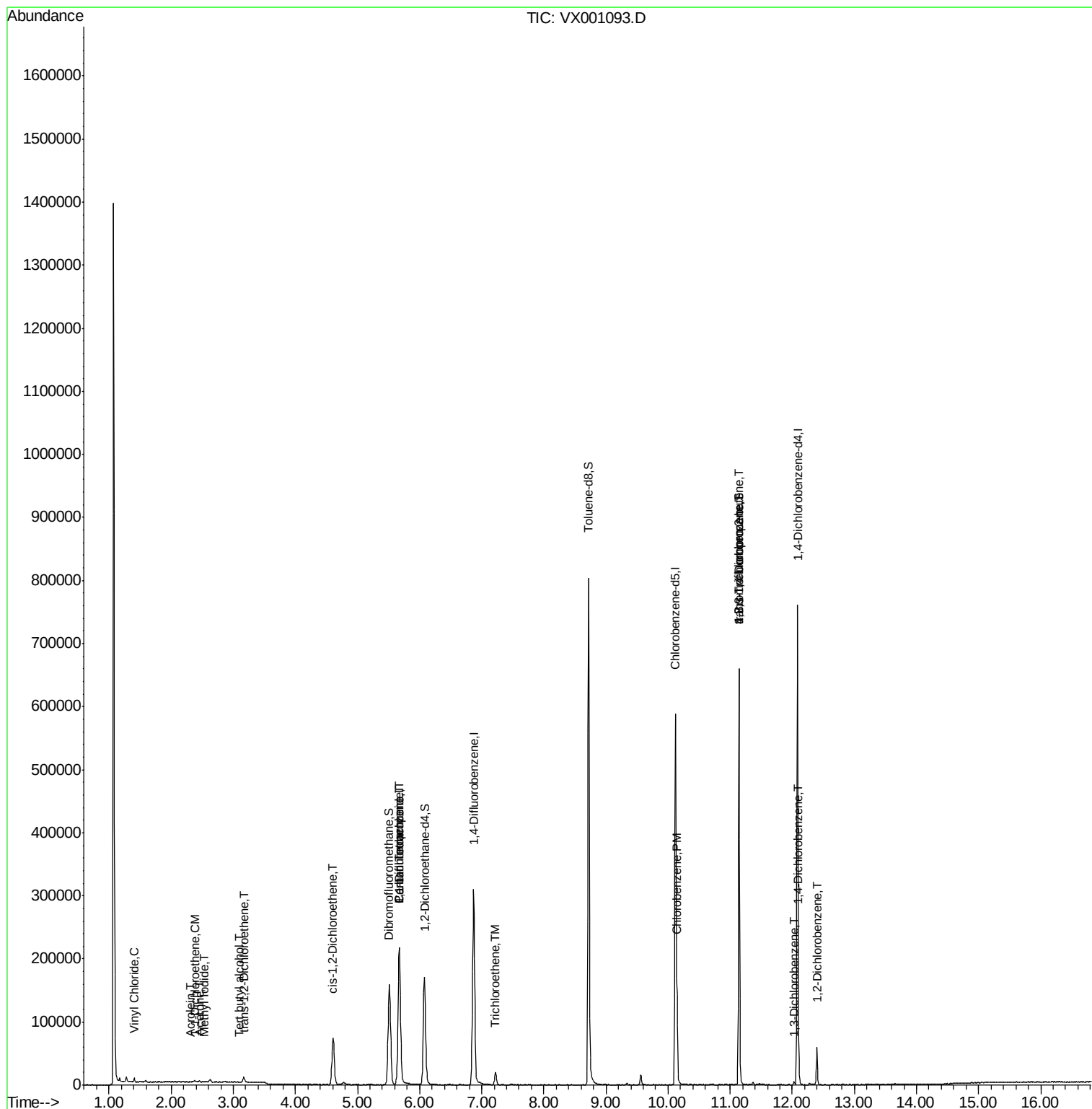
						Qvalue
4) Vinyl Chloride	1.41	62	3435	1.26	ug/l	97
5) Bromomethane	1.66	94	190	Below	Cal	99
10) Methyl Iodide	2.53	142	83	7.63	ug/l #	72
11) Tert butyl alcohol	3.09	59	236	0.54	ug/l #	1
12) 1,1-Dichloroethene	2.38	96	605	0.27	ug/l	91
13) Acrolein	2.31	56	207	12.39	ug/l #	14
16) Acetone	2.45	43	1663	1.53	ug/l	95
20) Methylene Chloride	2.87	84	451	Below	Cal	94
21) trans-1,2-Dichloroethene	3.17	96	2999	1.21	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	46805	17.01	ug/l	89
36) 1,1-Dichloropropene	5.67	75	14658	3.86	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20549	5.35	ug/l #	16
44) Trichloroethene	7.23	130	7747	2.40	ug/l	87
65) Chlorobenzene	10.15	112	57638	7.66	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	85209	31.25	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	85209	92.91	ug/l #	8
87) 1,3-Dichlorobenzene	12.04	146	1597	0.29	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	15570	2.72	ug/l	91
91) 1,2-Dichlorobenzene	12.40	146	18230	3.37	ug/l	97

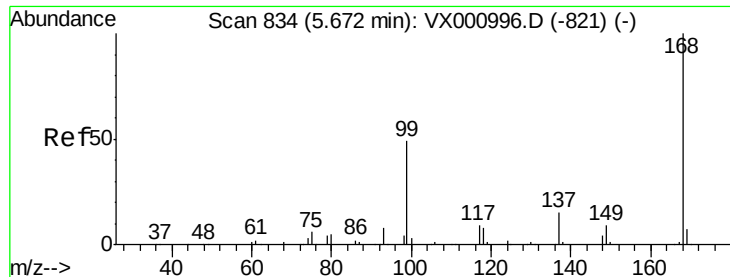
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX001093.D

Acq: 24 Apr 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

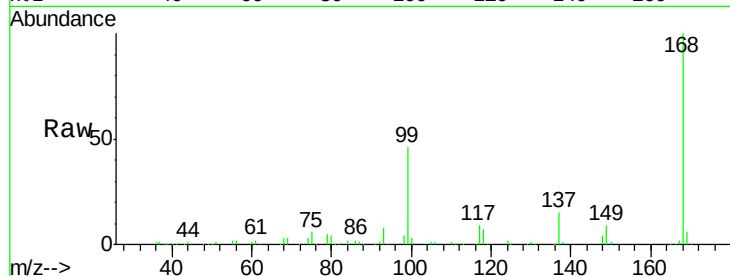
LF014RW133-180416

Tgt Ion: 168 Resp: 227793

Ion Ratio Lower Upper

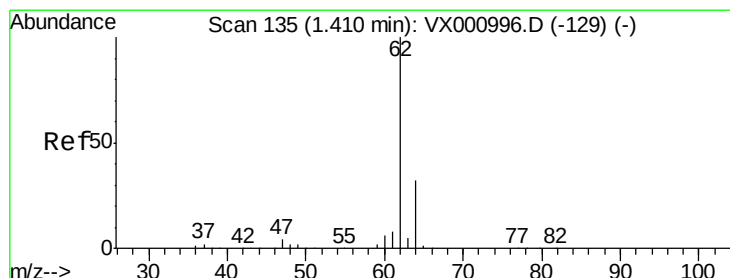
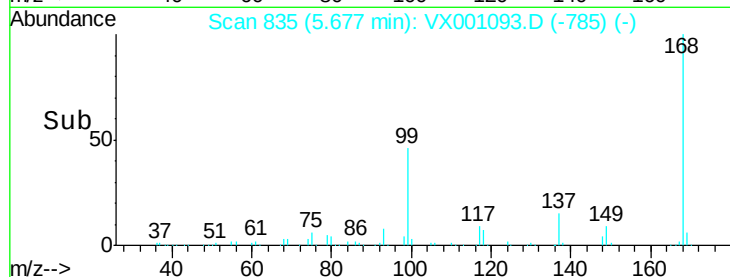
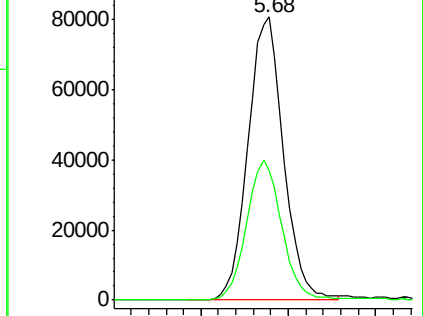
168 100

99 45.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.26 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX001093.D

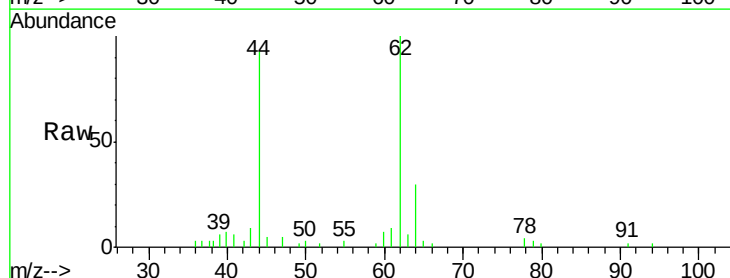
Acq: 24 Apr 2018 23:09

Tgt Ion: 62 Resp: 3435

Ion Ratio Lower Upper

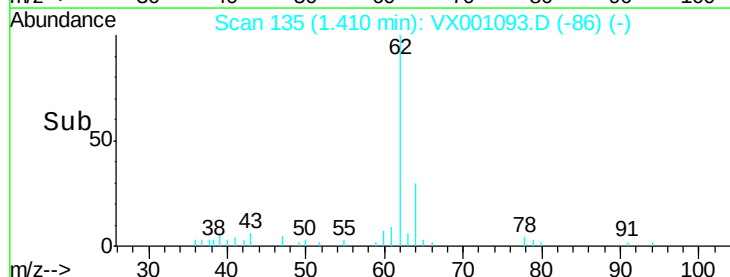
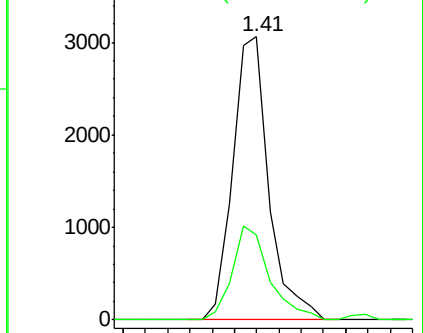
62 100

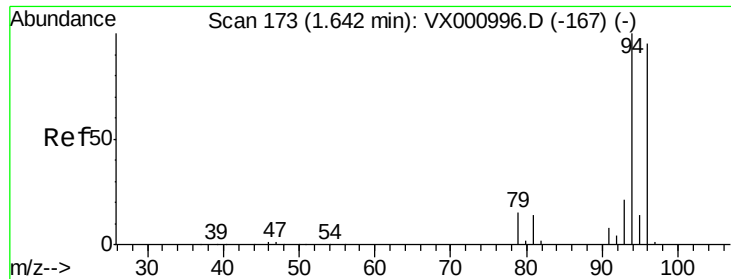
64 30.2 25.6 38.4



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: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001093.D

Acq: 24 Apr 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

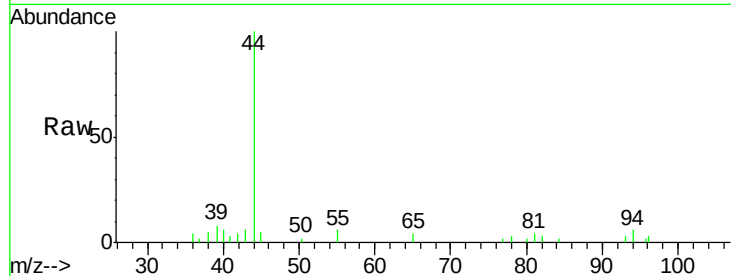
LF014RW133-180416

Tgt Ion: 94 Resp: 190

Ion Ratio Lower Upper

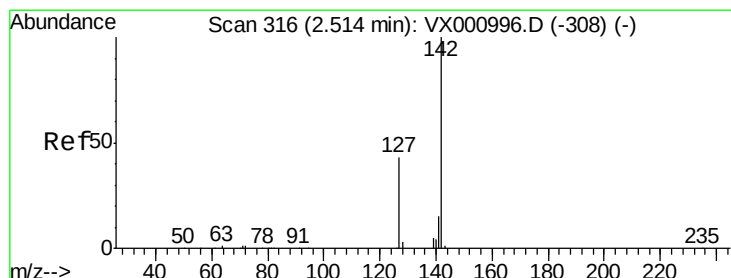
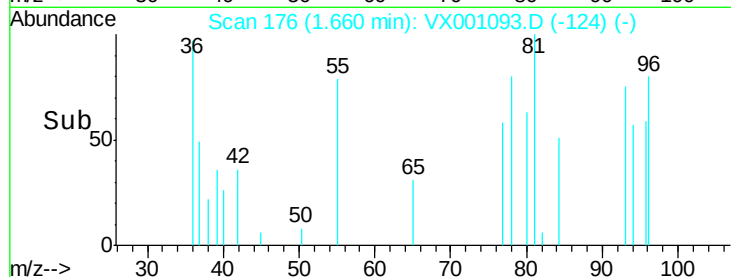
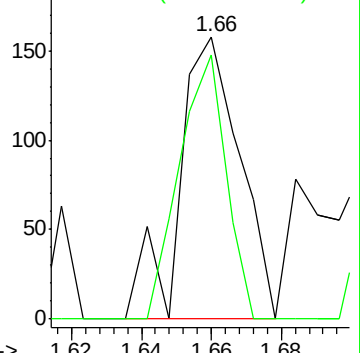
94 100

96 93.7 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: 7.63 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001093.D

Acq: 24 Apr 2018 23:09

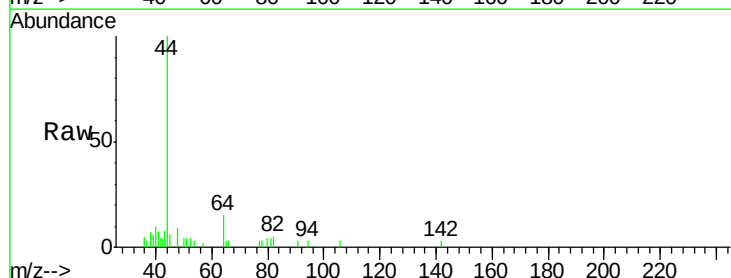
Tgt Ion: 142 Resp: 83

Ion Ratio Lower Upper

142 100

127 26.5 34.0 51.0#

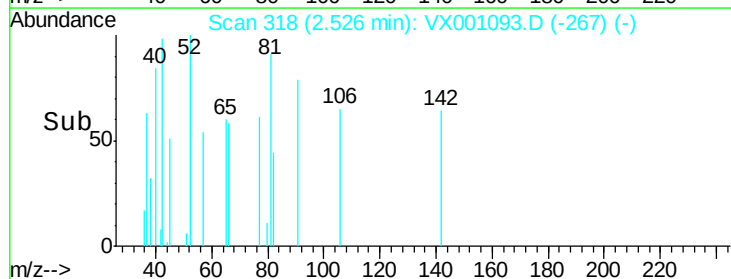
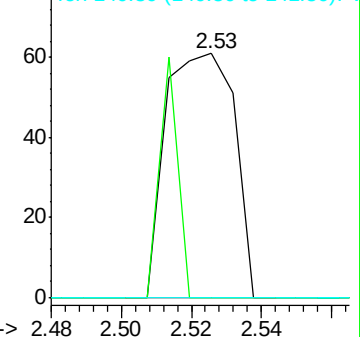
141 0.0 11.4 17.2#

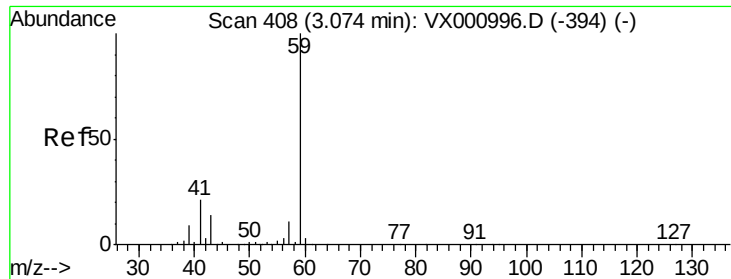


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

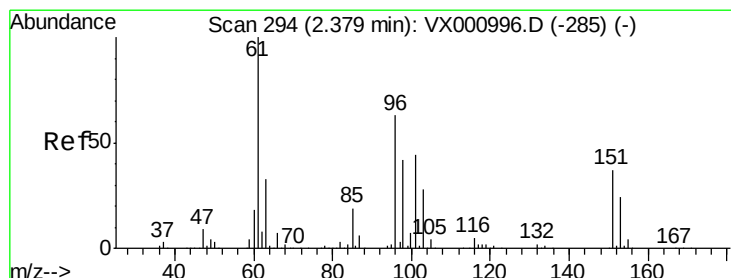
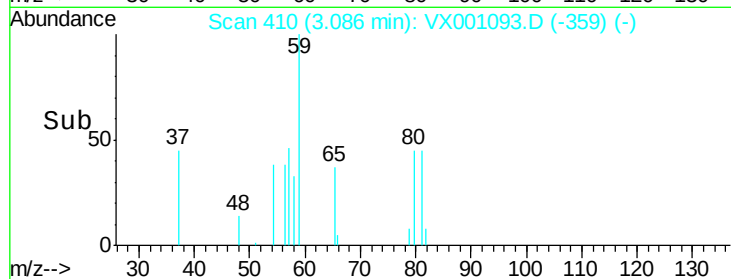
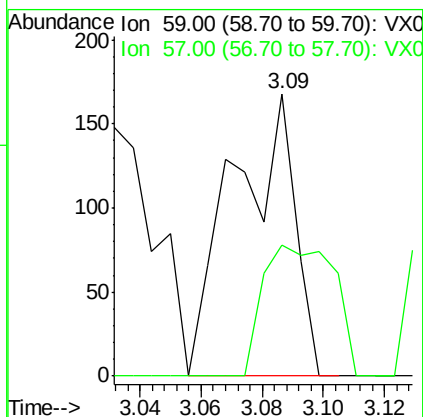
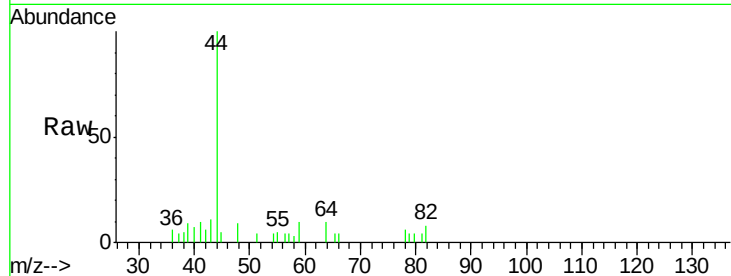




#11
Tert butyl alcohol
Concen: 0.54 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001093.D
Acq: 24 Apr 2018 23:09

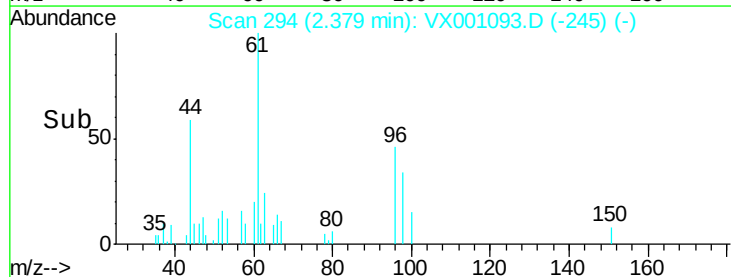
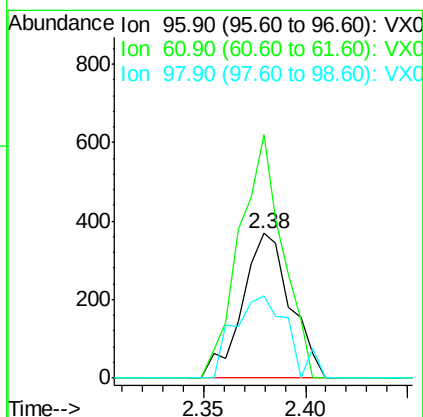
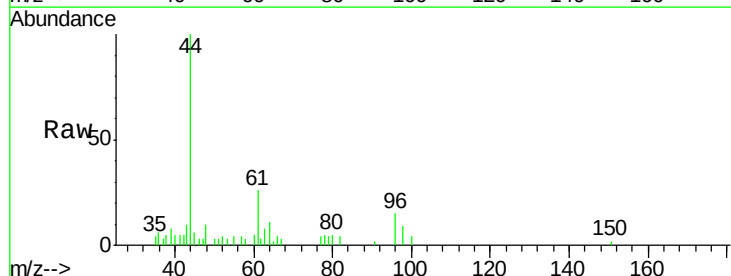
Instrument :
MSVOA_X
ClientSampleId :
LF014RW133-180416

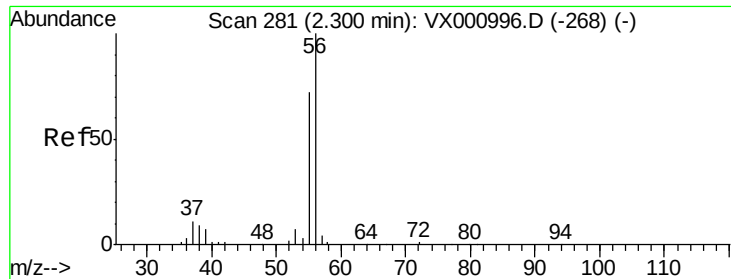
Tgt Ion: 59 Resp: 236
Ion Ratio Lower Upper
59 100
57 53.8 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.27 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX001093.D
Acq: 24 Apr 2018 23:09

Tgt Ion: 96 Resp: 605
Ion Ratio Lower Upper
96 100
61 168.3 126.4 189.6
98 57.2 52.6 78.8





#13

Acrolein

Concen: 12.39 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX001093.D

Acq: 24 Apr 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

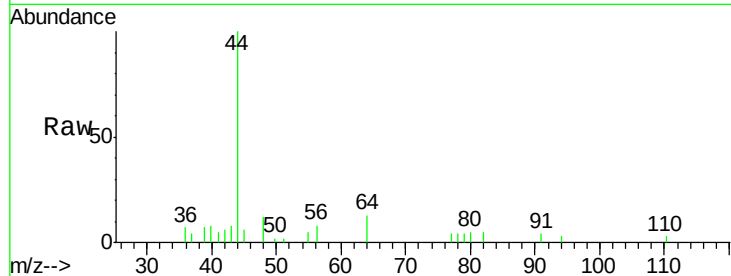
LF014RW133-180416

Tgt Ion: 56 Resp: 207

Ion Ratio Lower Upper

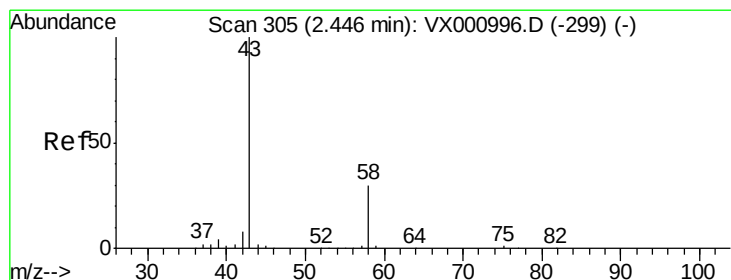
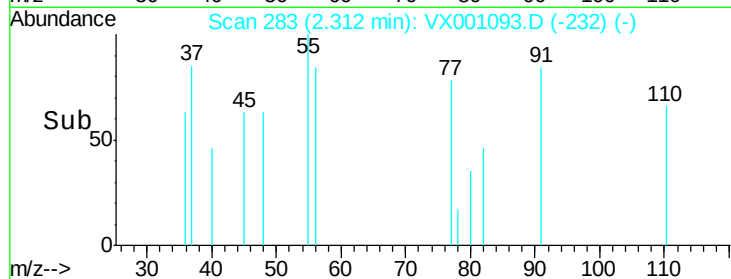
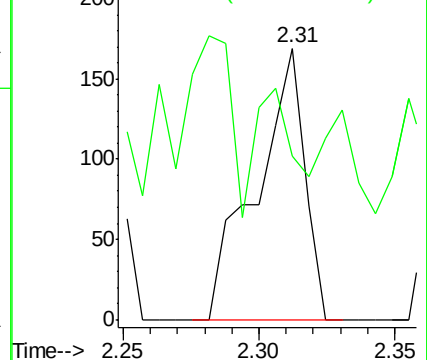
56 100

55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.53 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX001093.D

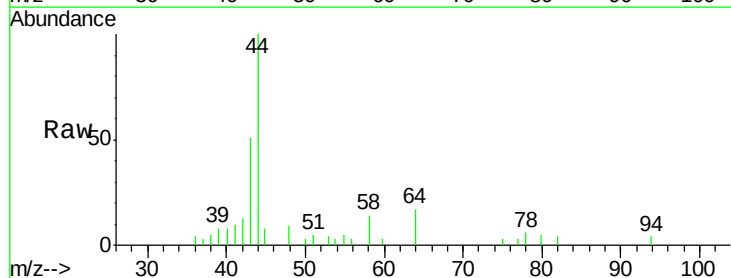
Acq: 24 Apr 2018 23:09

Tgt Ion: 43 Resp: 1663

Ion Ratio Lower Upper

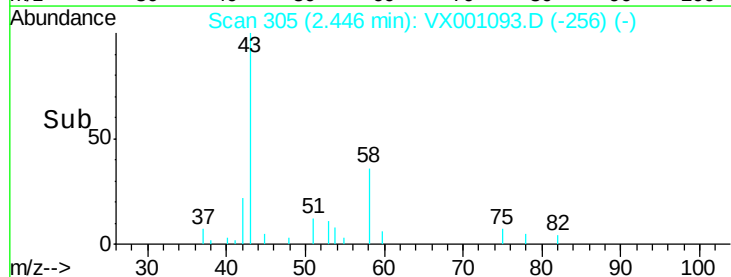
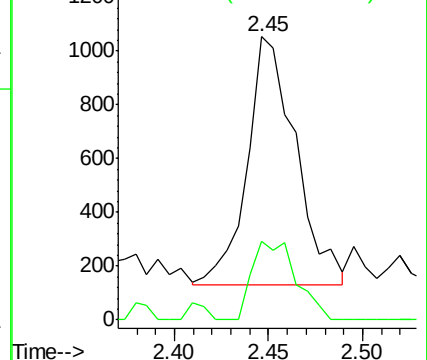
43 100

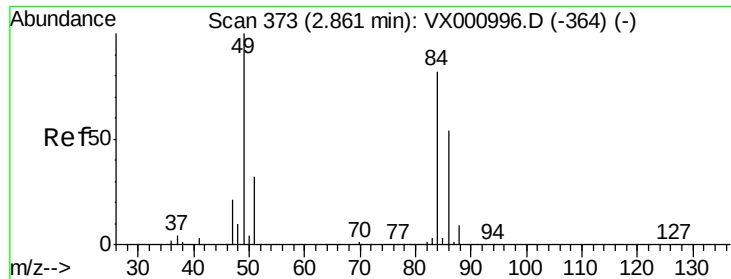
58 32.2 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

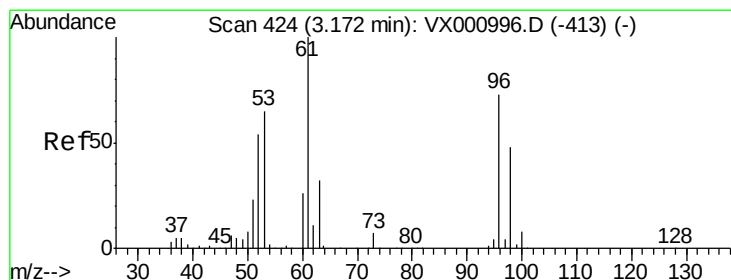
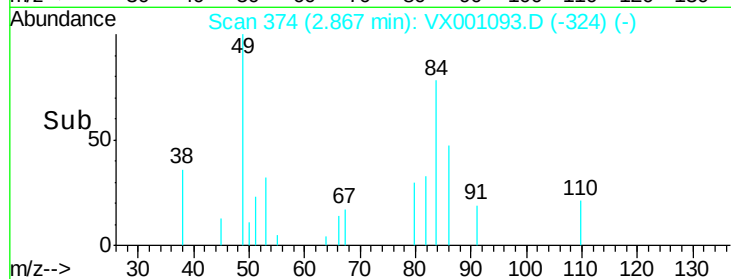
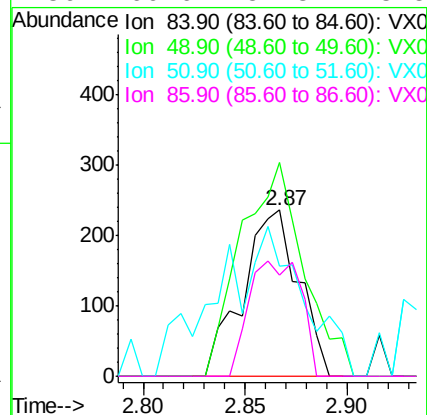
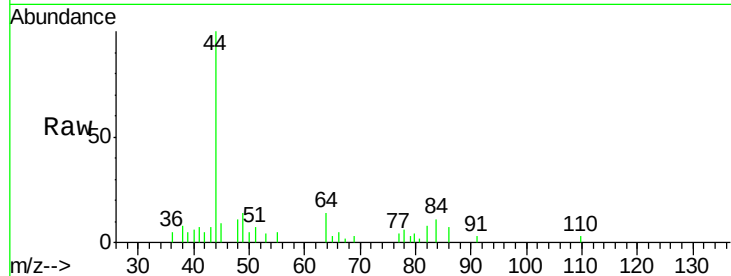




#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001093.D
Acq: 24 Apr 2018 23:09

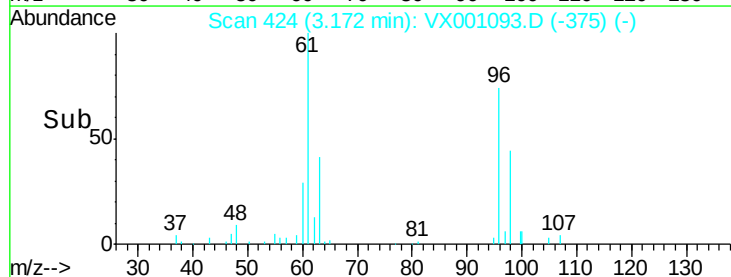
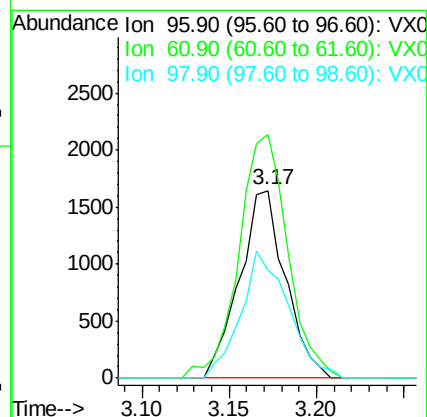
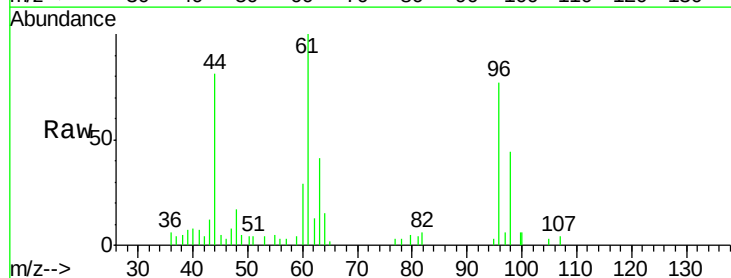
Instrument :
MSVOA_X
ClientSampleId :
LF014RW133-180416

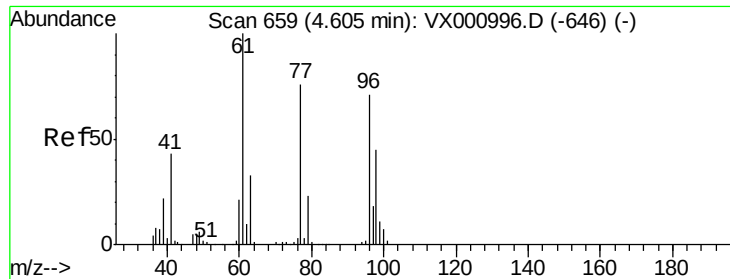
Tgt Ion:	84	Resp:	451
Ion	Ratio	Lower	Upper
84	100		
49	128.4	97.1	145.7
51	42.4	30.8	46.2
86	60.6	52.3	78.5



#21
trans-1,2-Dichloroethene
Concen: 1.21 ug/l
RT: 3.17 min Scan# 424
Delta R.T. -0.00 min
Lab File: VX001093.D
Acq: 24 Apr 2018 23:09

Tgt Ion:	96	Resp:	2999
Ion	Ratio	Lower	Upper
96	100		
61	129.9	109.4	164.2
98	57.4	52.6	78.8





#27

cis-1,2-Dichloroethene

Concen: 17.01 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001093.D

Acq: 24 Apr 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

LF014RW133-180416

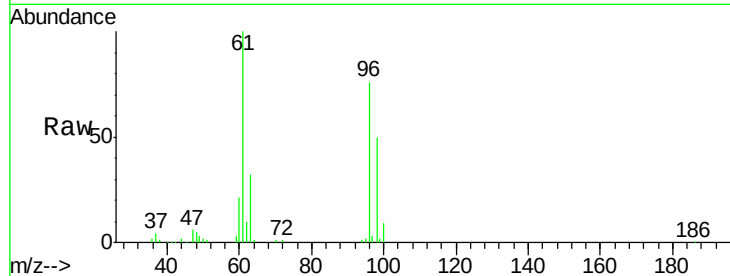
Tgt Ion: 96 Resp: 46805

Ion Ratio Lower Upper

96 100

61 129.1 0.0 297.0

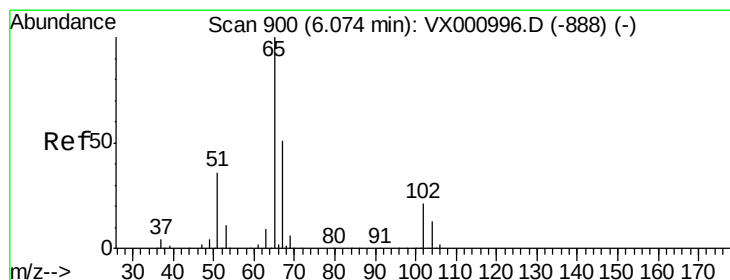
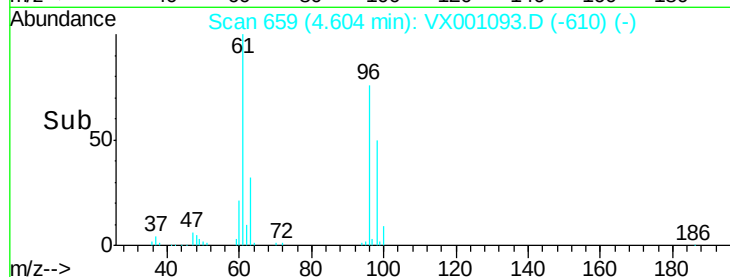
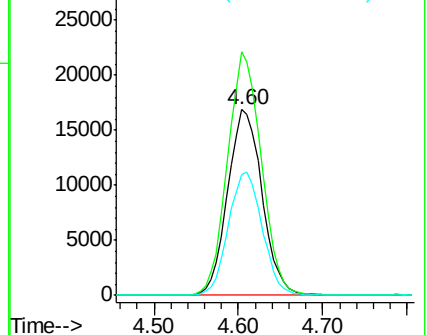
98 65.2 0.0 130.0



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



#33

1,2-Dichloroethane-d4

Concen: 58.71 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001093.D

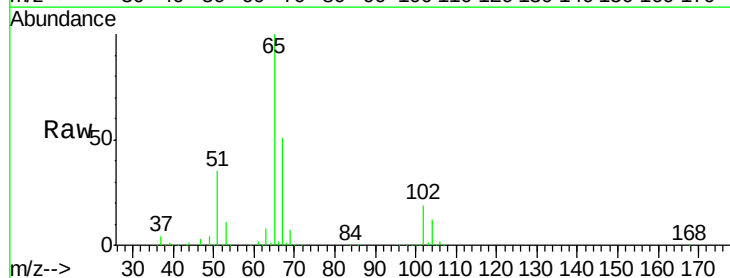
Acq: 24 Apr 2018 23:09

Tgt Ion: 65 Resp: 169530

Ion Ratio Lower Upper

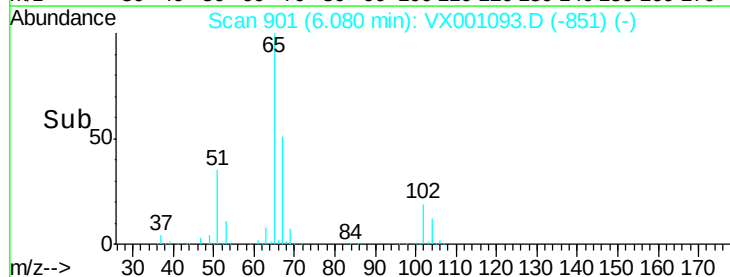
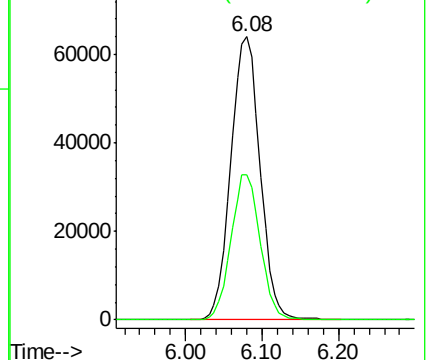
65 100

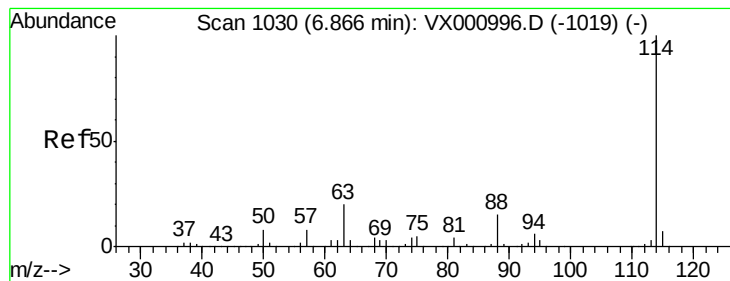
67 51.1 0.0 102.6



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: VX001093.D

Acq: 24 Apr 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

LF014RW133-180416

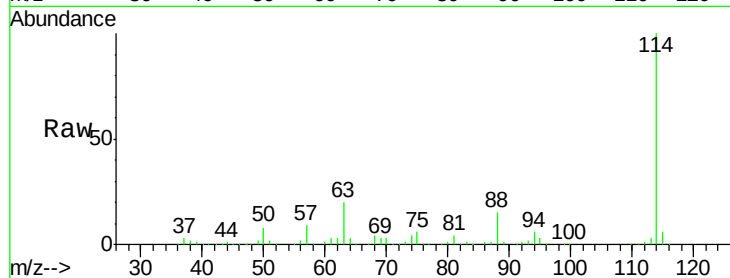
Tgt Ion:114 Resp: 322832

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

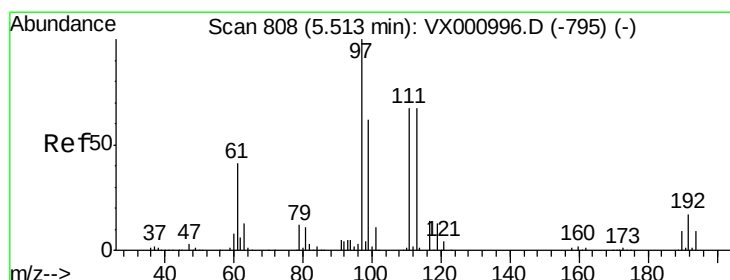
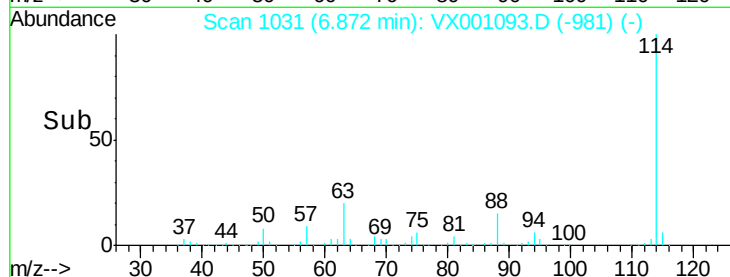
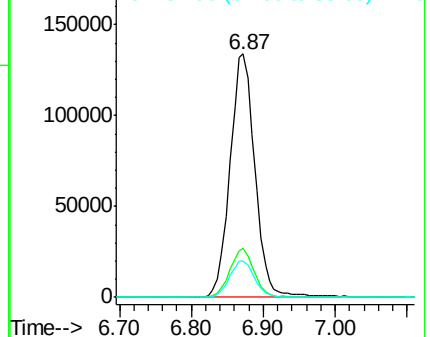
88 15.0 0.0 29.8



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: 52.54 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001093.D

Acq: 24 Apr 2018 23:09

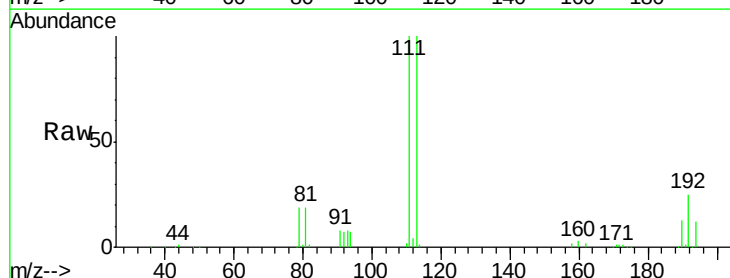
Tgt Ion:113 Resp: 129345

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.2

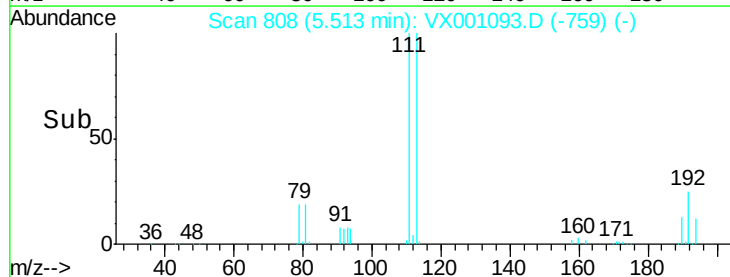
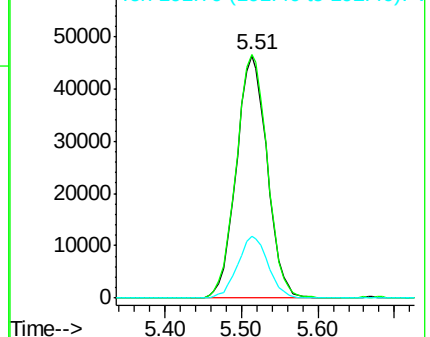
192 25.2 20.4 30.6

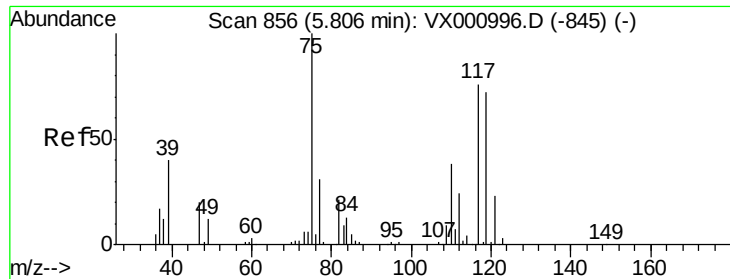


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

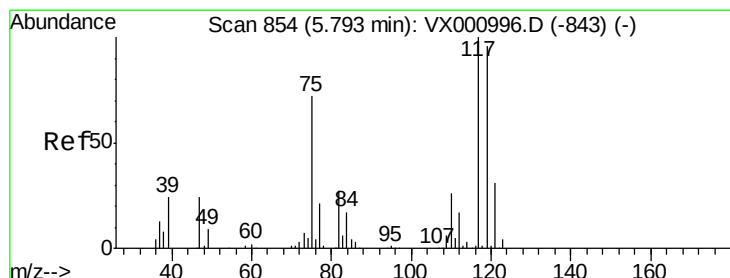
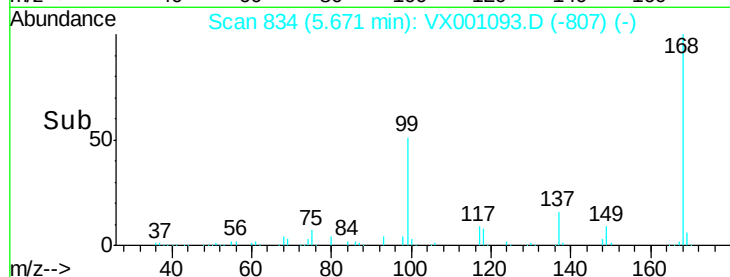
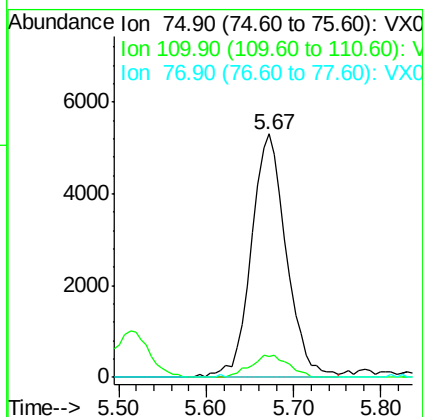
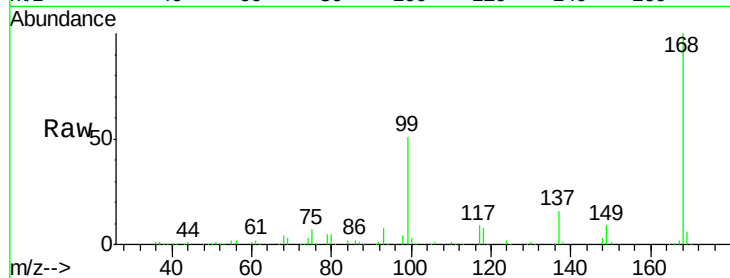




#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001093.D
 Acq: 24 Apr 2018 23:09

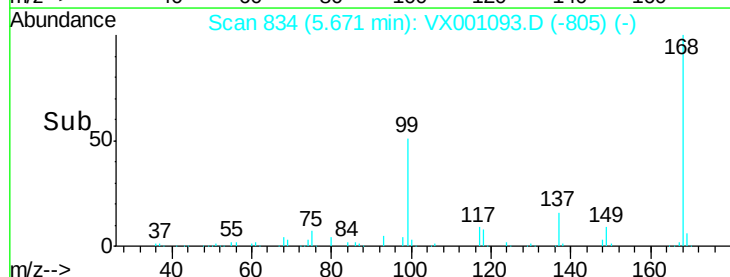
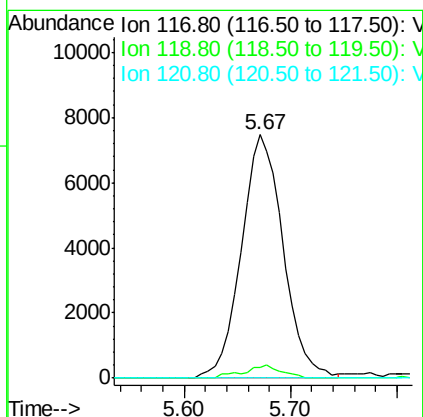
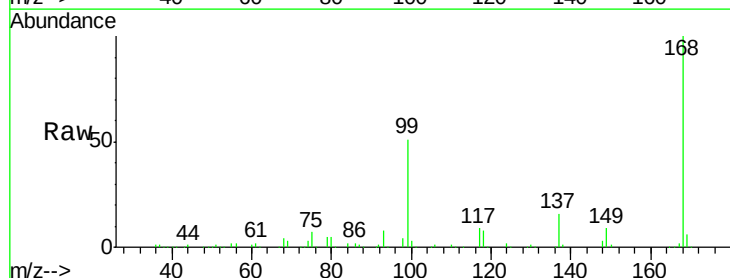
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW133-180416

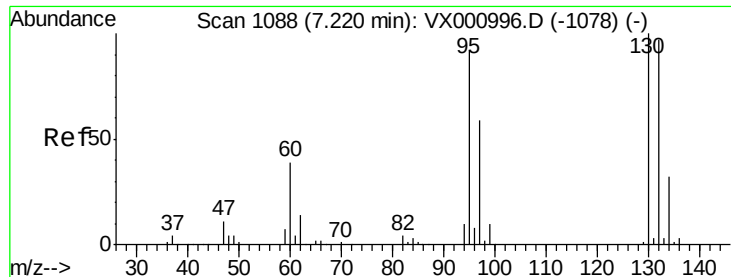
Tgt Ion: 75 Resp: 14658
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.7 56.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.35 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001093.D
 Acq: 24 Apr 2018 23:09

Tgt Ion: 117 Resp: 20549
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.5 114.7#
 121 0.0 24.5 36.7#





#44

Trichloroethene

Concen: 2.40 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX001093.D

Acq: 24 Apr 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

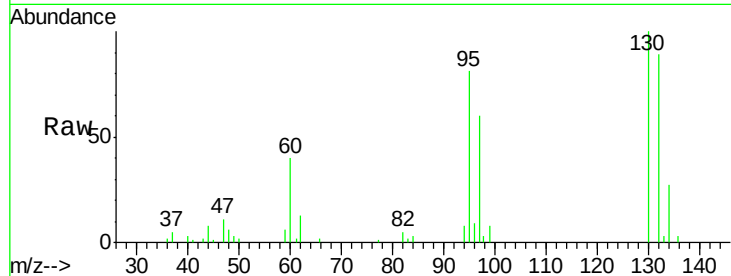
LF014RW133-180416

Tgt Ion:130 Resp: 7747

Ion Ratio Lower Upper

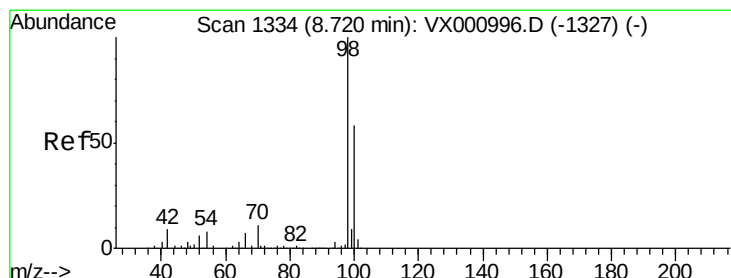
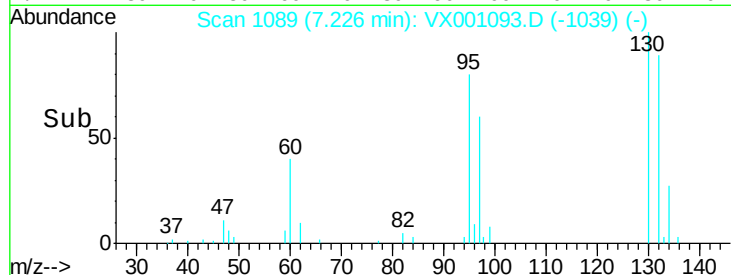
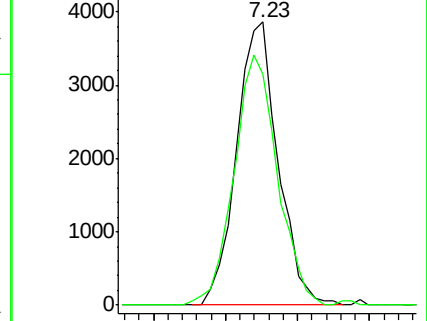
130 100

95 80.1 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 53.87 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001093.D

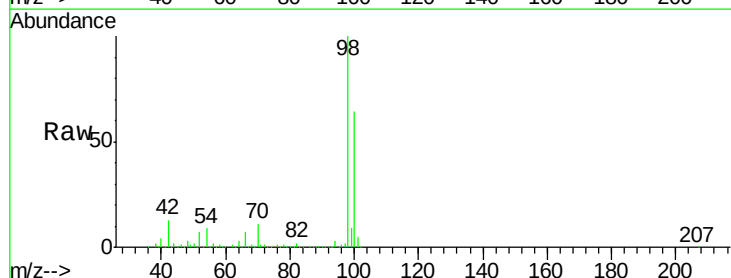
Acq: 24 Apr 2018 23:09

Tgt Ion: 98 Resp: 490346

Ion Ratio Lower Upper

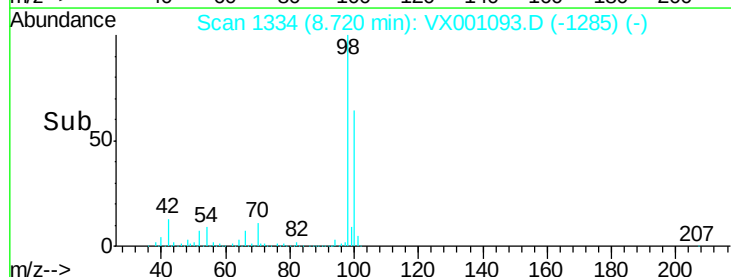
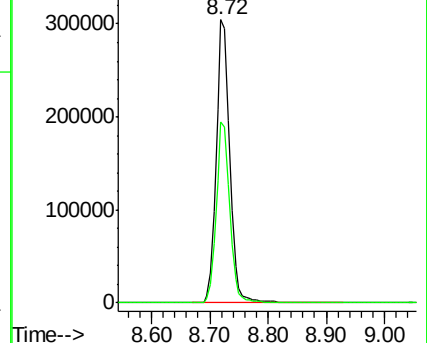
98 100

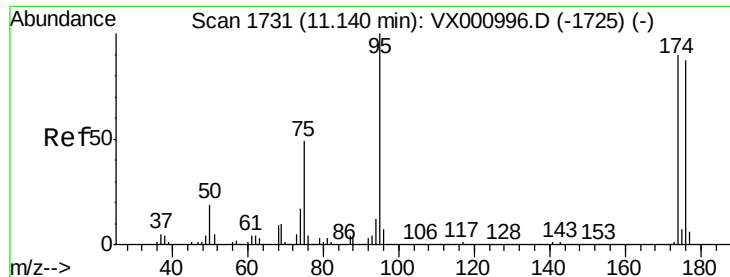
100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

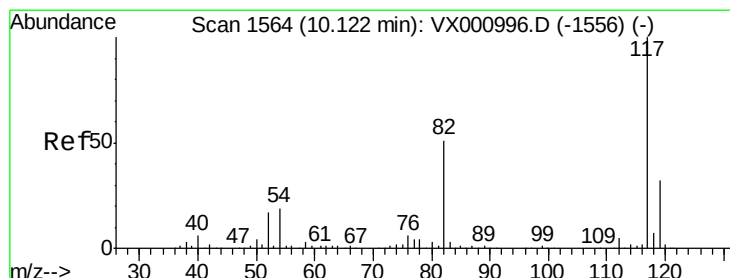
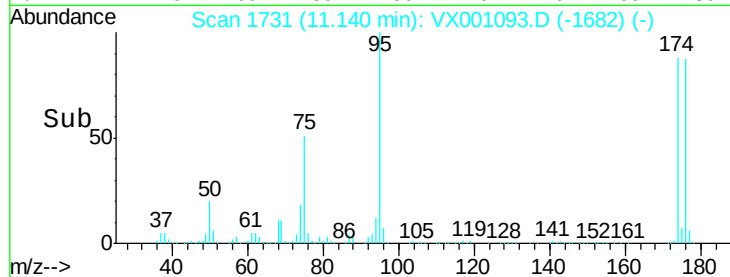
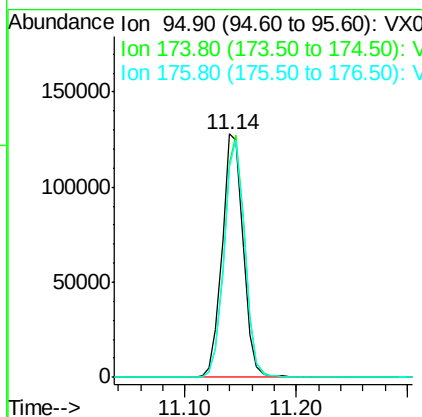
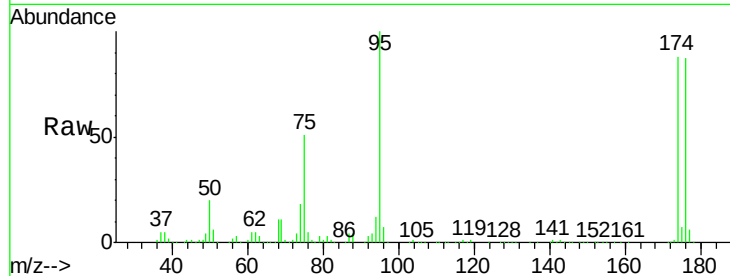




#62
 4-Bromofluorobenzene
 Concen: 43.76 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001093.D
 Acq: 24 Apr 2018 23:09

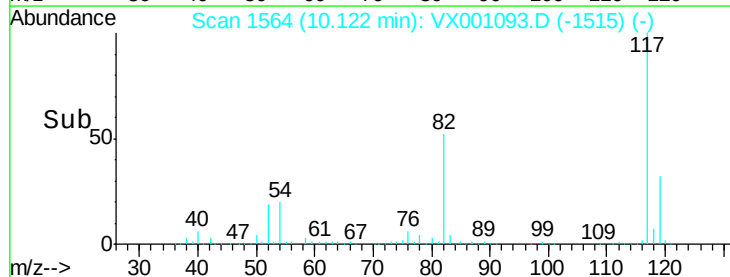
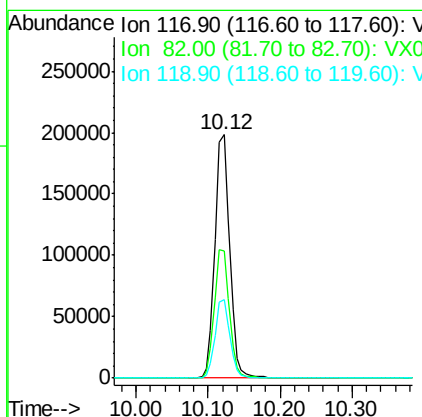
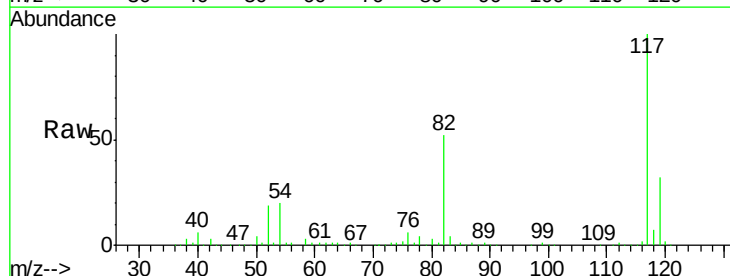
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW133-180416

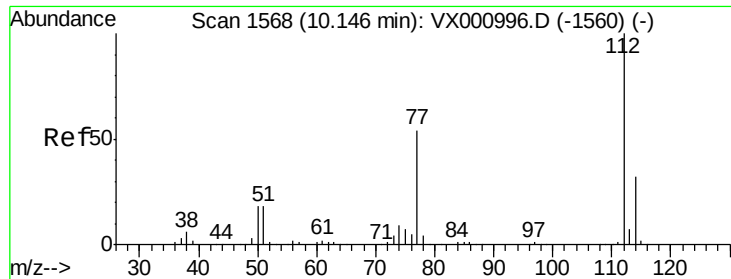
Tgt Ion: 95 Resp: 167159
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 198.4
 176 95.2 0.0 192.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VX001093.D
 Acq: 24 Apr 2018 23:09

Tgt Ion: 117 Resp: 282575
 Ion Ratio Lower Upper
 117 100
 82 52.4 40.6 60.8
 119 32.1 26.0 39.0





#65

Chlorobenzene

Concen: 7.66 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001093.D

Acq: 24 Apr 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

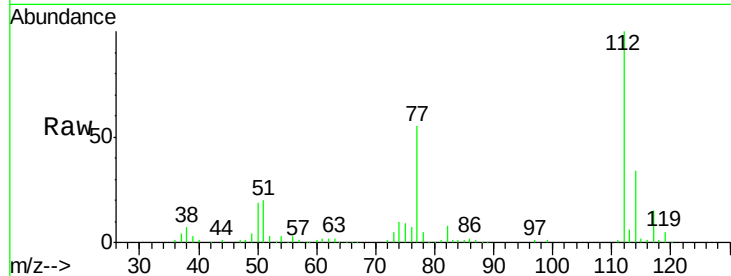
LF014RW133-180416

Tgt Ion:112 Resp: 57638

Ion Ratio Lower Upper

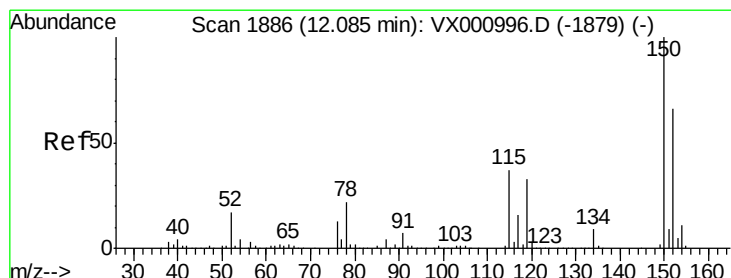
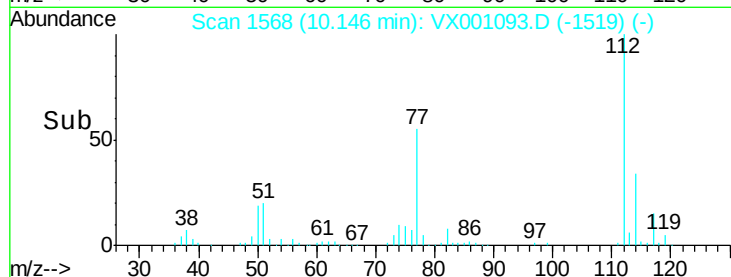
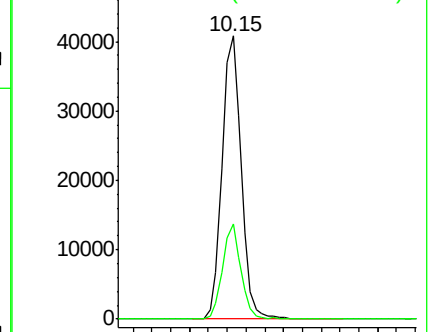
112 100

114 33.7 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001093.D

Acq: 24 Apr 2018 23:09

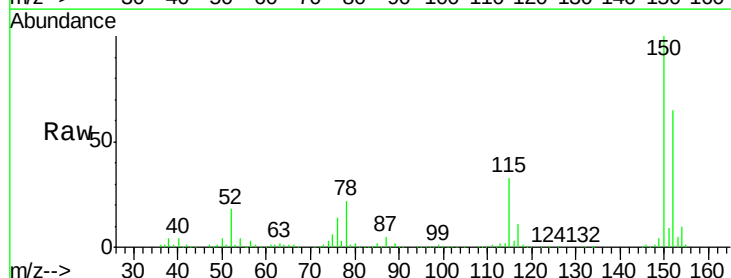
Tgt Ion:152 Resp: 157168

Ion Ratio Lower Upper

152 100

115 53.4 38.2 114.6

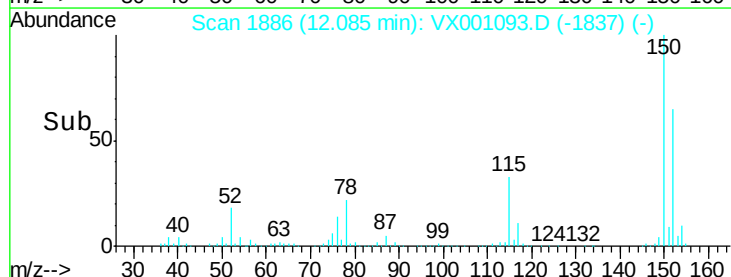
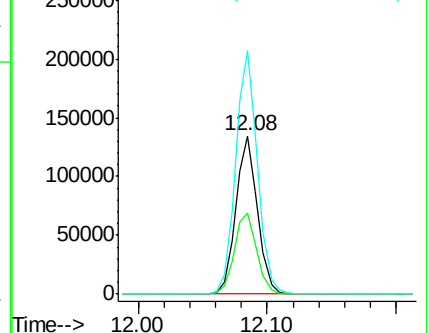
150 155.8 0.0 350.4

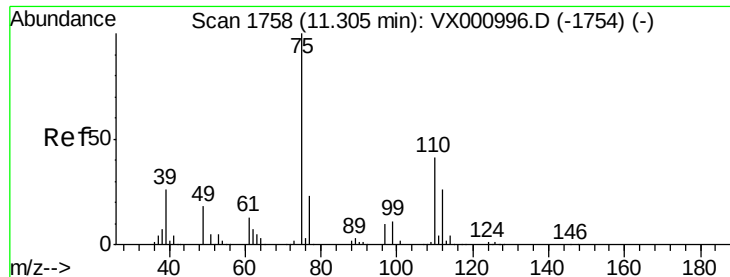


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

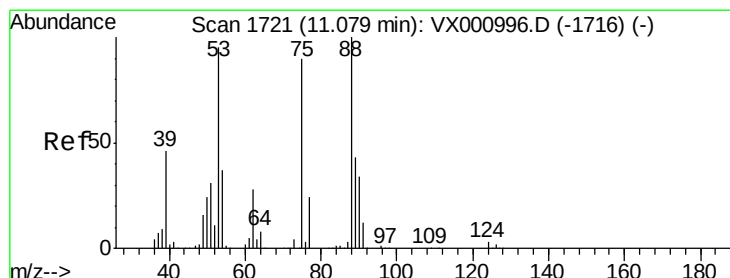
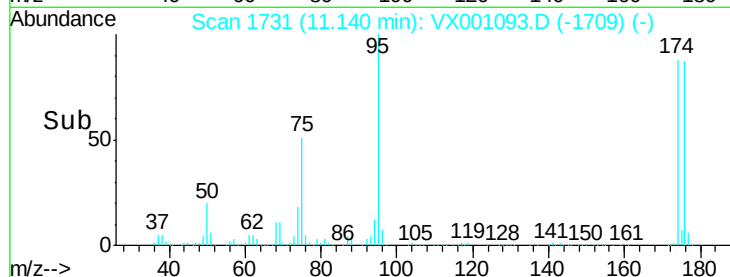
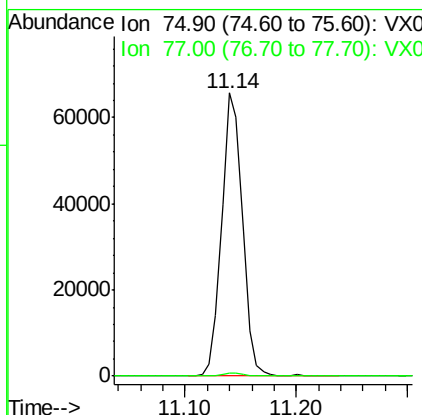
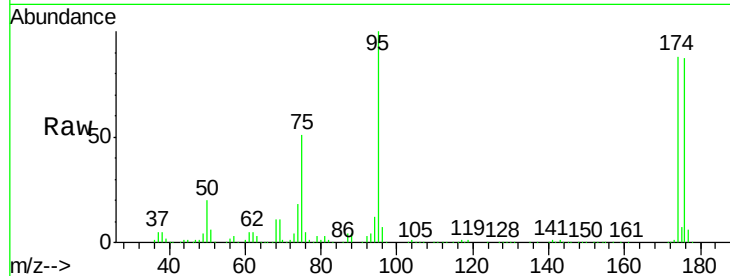




#76
 1,2,3-Trichloropropane
 Concen: 31.25 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001093.D
 Acq: 24 Apr 2018 23:09

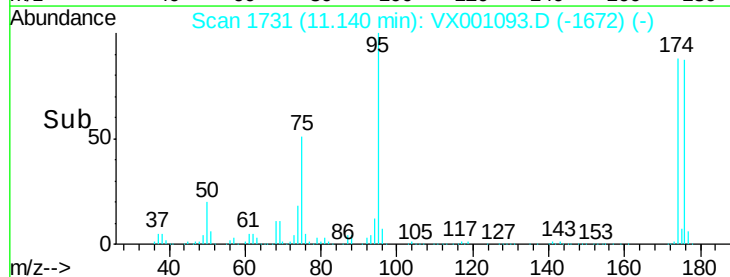
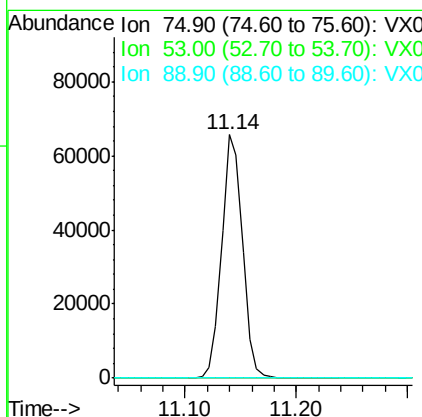
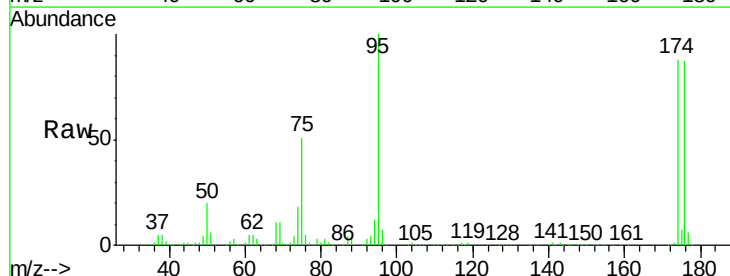
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW133-180416

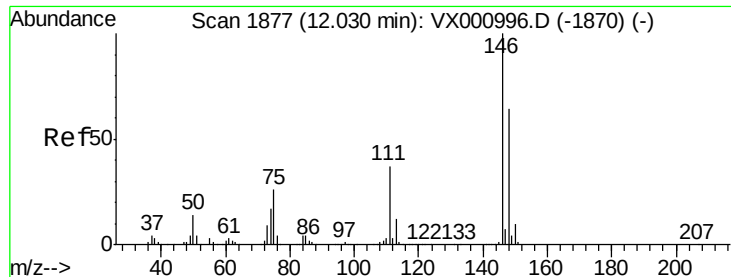
Tgt Ion: 75 Resp: 85209
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.91 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001093.D
 Acq: 24 Apr 2018 23:09

Tgt Ion: 75 Resp: 85209
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 39.7 59.5#

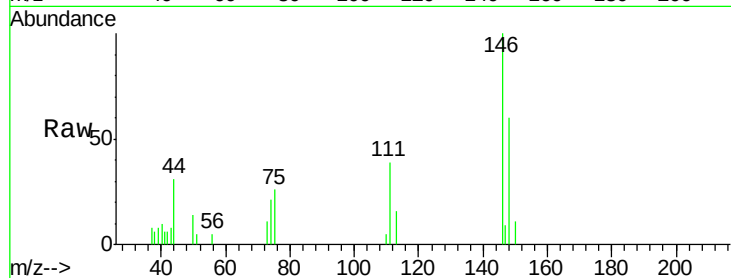




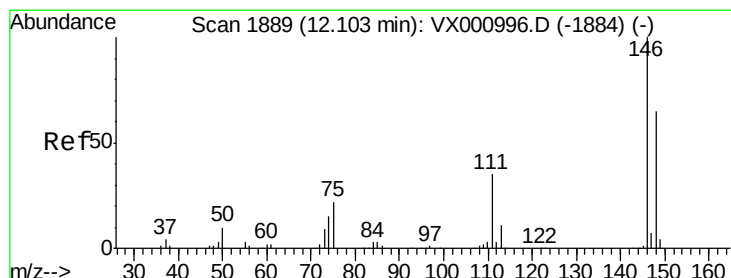
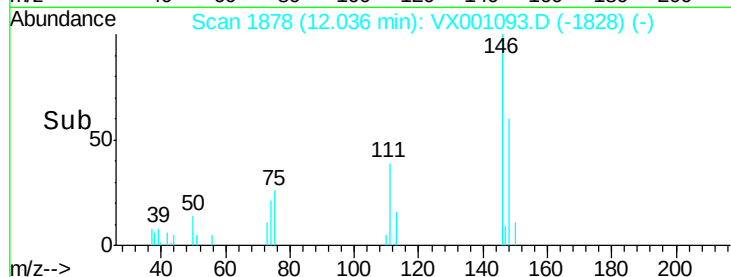
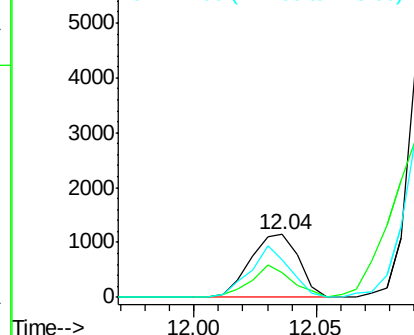
#87
 1,3-Dichlorobenzene
 Concen: 0.29 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VX001093.D
 Acq: 24 Apr 2018 23:09

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW133-180416

Tgt Ion:146 Resp: 1597
 Ion Ratio Lower Upper
 146 100
 111 43.0 18.3 54.8
 148 66.6 32.2 96.6

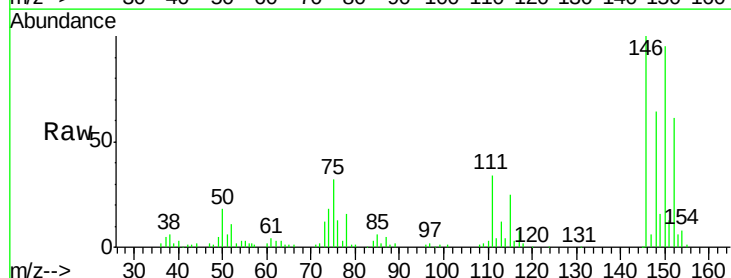


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

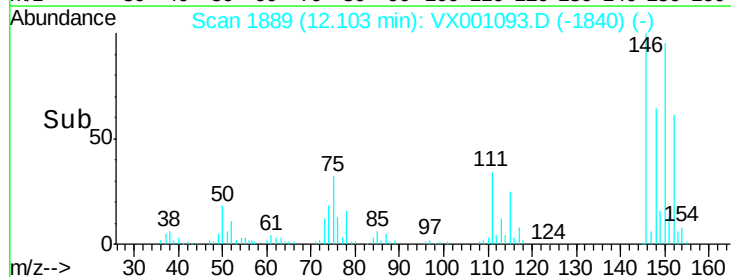
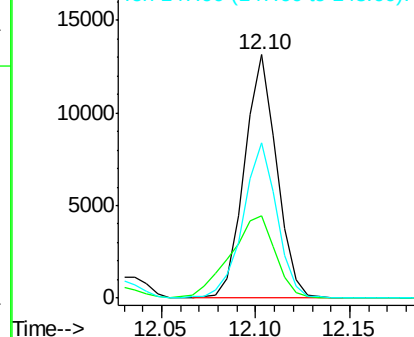


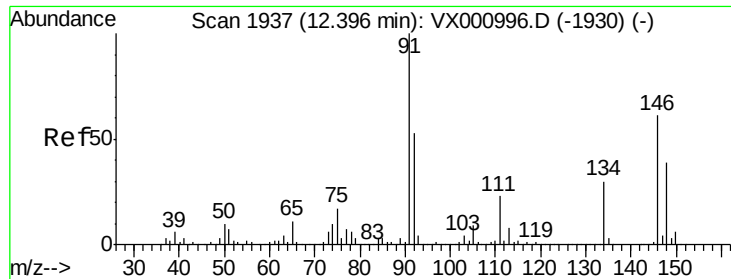
#88
 1,4-Dichlorobenzene
 Concen: 2.72 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001093.D
 Acq: 24 Apr 2018 23:09

Tgt Ion:146 Resp: 15570
 Ion Ratio Lower Upper
 146 100
 111 47.6 18.0 54.0
 148 67.3 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: 3.37 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001093.D

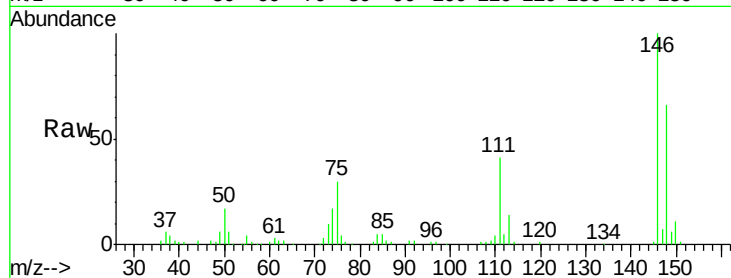
Acq: 24 Apr 2018 23:09

Instrument :

MSVOA_X

ClientSampleId :

LF014RW133-180416



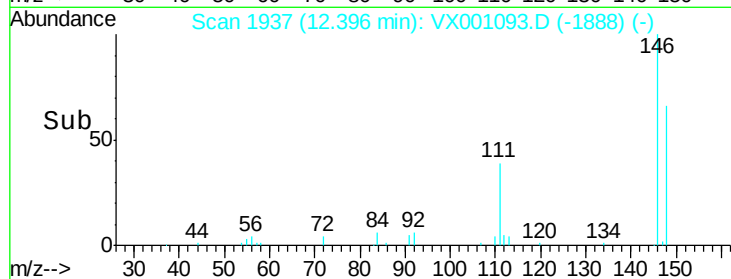
Tgt Ion:146 Resp: 18230

Ion Ratio Lower Upper

146 100

111 40.8 18.6 56.0

148 65.4 32.3 96.8



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

