

Data File : VX001094.D

Acq On : 24 Apr 2018 23:35

Operator : JC/MD

Sample : J2463-03

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 22 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

LF014MW012-180416

Quant Time: Apr 25 07:25:05 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	229670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	323519	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	281122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	172269	59.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.34%	
35) Dibromofluoromethane	5.51	113	130615	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	8.72	98	497898	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
62) 4-Bromofluorobenzene	11.14	95	167173	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.40	62	941	0.34	ug/l	# 35
5) Bromomethane	1.66	94	239	Below	Cal	# 50
6) Chloroethane	1.71	64	350	0.21	ug/l	# 79
10) Methyl Iodide	2.53	142	94	7.63	ug/l	# 41
11) Tert butyl alcohol	3.04	59	553	1.26	ug/l	# 48
13) Acrolein	2.32	56	100	11.63	ug/l	# 43
16) Acetone	2.45	43	1367	1.25	ug/l	99
20) Methylene Chloride	2.86	84	481	Below	Cal	# 72
27) cis-1,2-Dichloroethene	4.61	96	1217	0.44	ug/l	87
36) 1,1-Dichloropropene	5.67	75	14804	3.89	ug/l	# 50
38) Carbon Tetrachloride	5.68	117	20027	5.20	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.72	43	2687	0.74	ug/l	# 1
65) Chlorobenzene	10.15	112	31446	4.20	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	87246	32.74	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	87246	97.21	ug/l	# 8
87) 1,3-Dichlorobenzene	12.03	146	1491	0.27	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	15509	2.77	ug/l	92
91) 1,2-Dichlorobenzene	12.40	146	11685	2.21	ug/l	99

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

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LF014MW012-180416

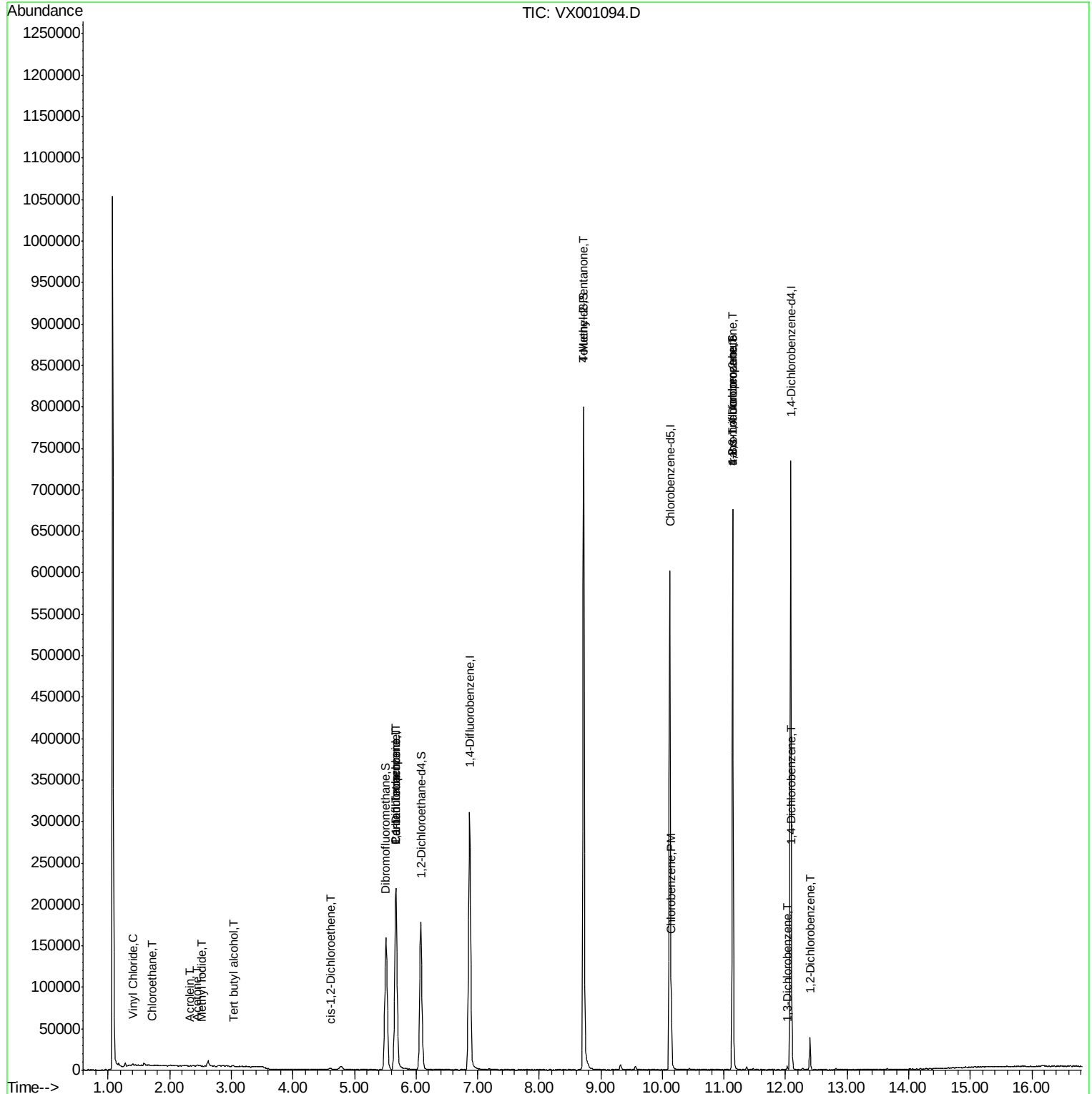
Quant Time: Apr 25 07:25:05 2018

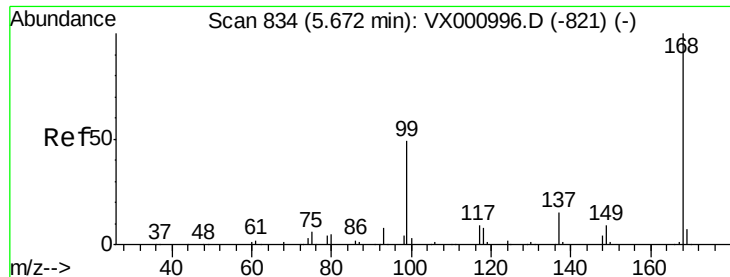
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 20 05:03:28 2018

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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: VX001094.D

Acq: 24 Apr 2018 23:35

Instrument :

MSVOA_X

ClientSampleId :

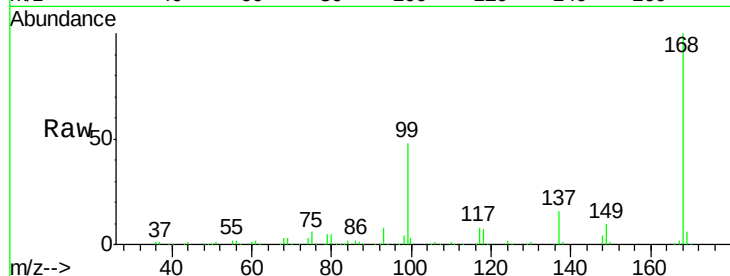
LF014MW012-180416

Tgt Ion:168 Resp: 229670

Ion Ratio Lower Upper

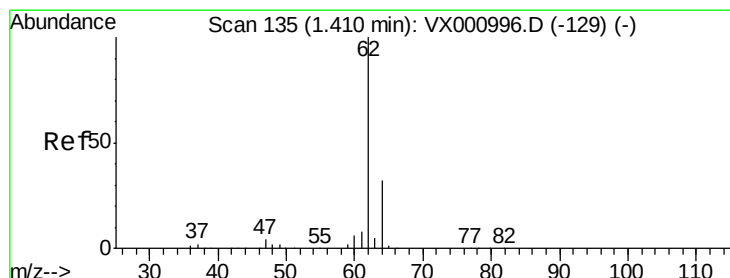
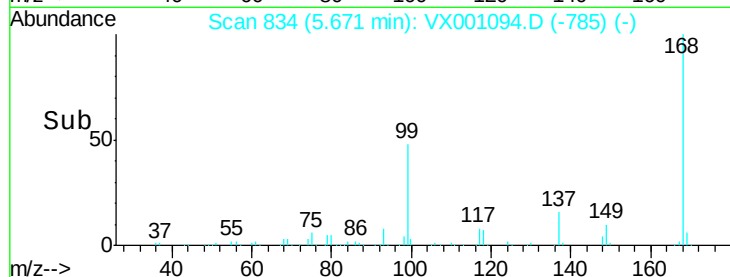
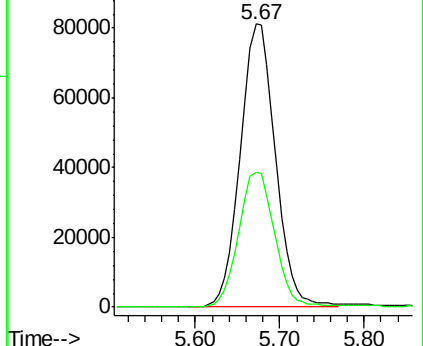
168 100

99 47.7 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: 0.34 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001094.D

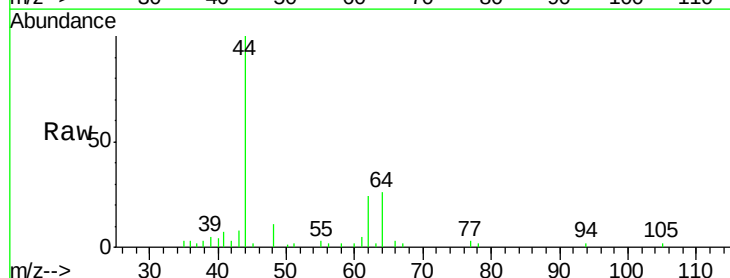
Acq: 24 Apr 2018 23:35

Tgt Ion: 62 Resp: 941

Ion Ratio Lower Upper

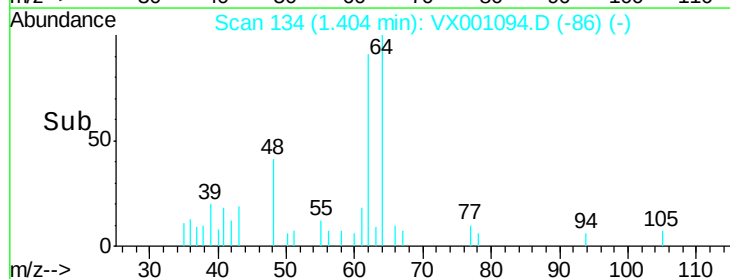
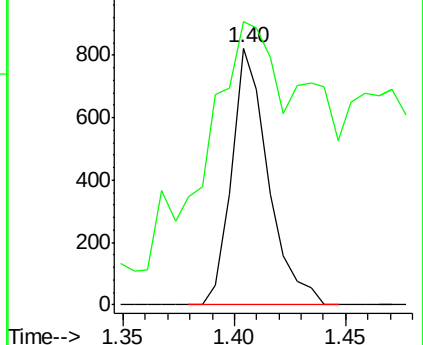
62 100

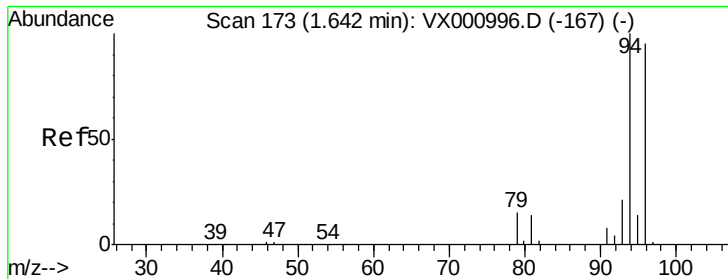
64 68.0 25.6 38.4#



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: VX001094.D

Acq: 24 Apr 2018 23:35

Instrument :

MSVOA_X

ClientSampleId :

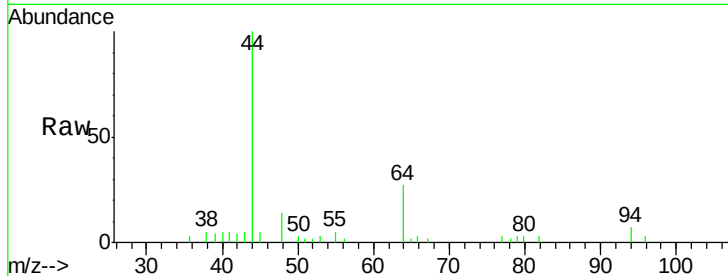
LF014MW012-180416

Tgt Ion: 94 Resp: 239

Ion Ratio Lower Upper

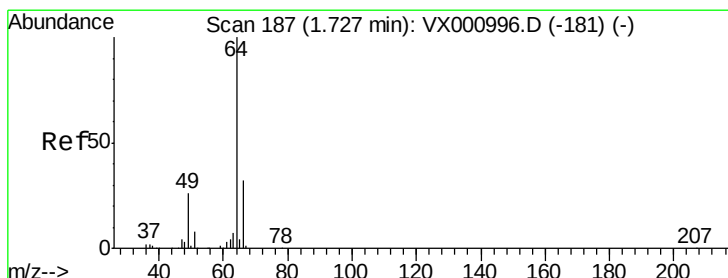
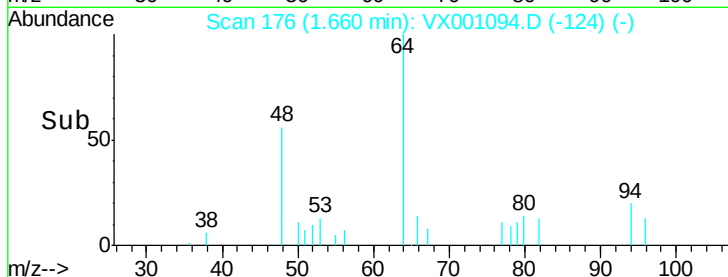
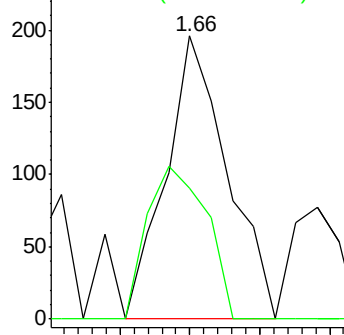
94 100

96 46.4 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.21 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001094.D

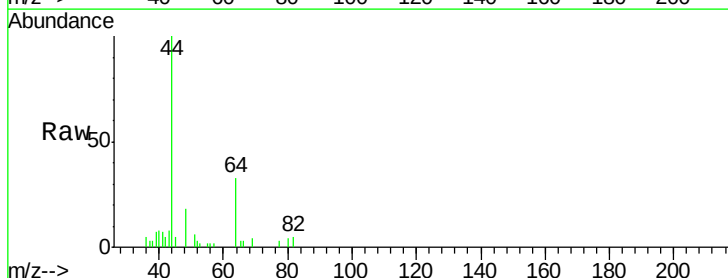
Acq: 24 Apr 2018 23:35

Tgt Ion: 64 Resp: 350

Ion Ratio Lower Upper

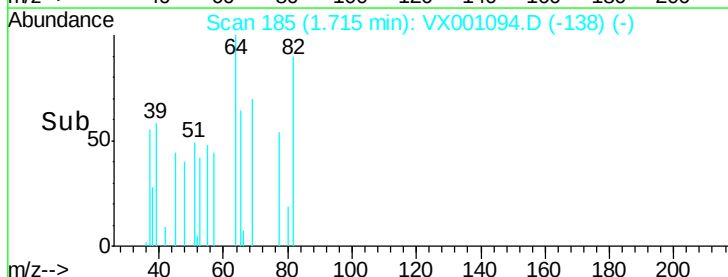
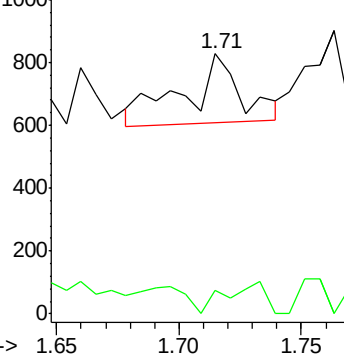
64 100

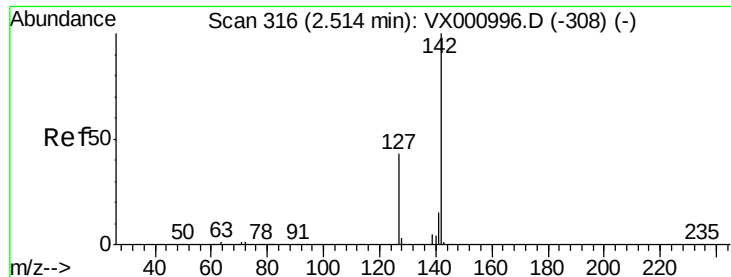
66 43.1 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

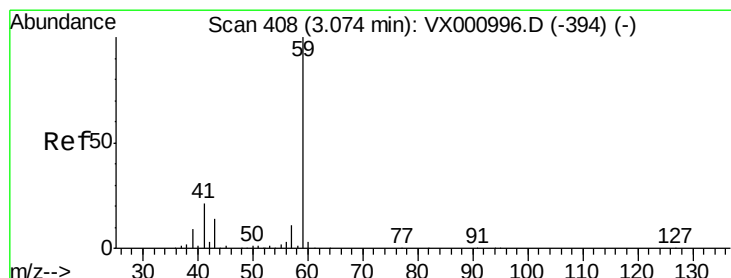
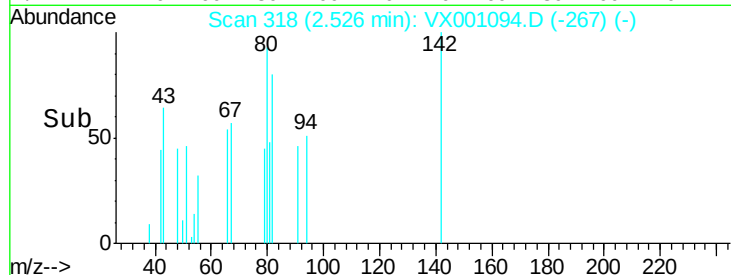
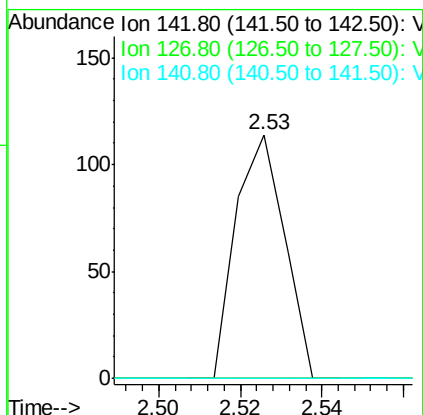
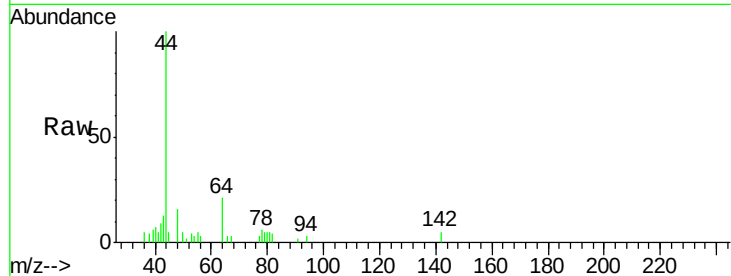




#10
Methyl Iodide
Concen: 7.63 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001094.D
Acq: 24 Apr 2018 23:35

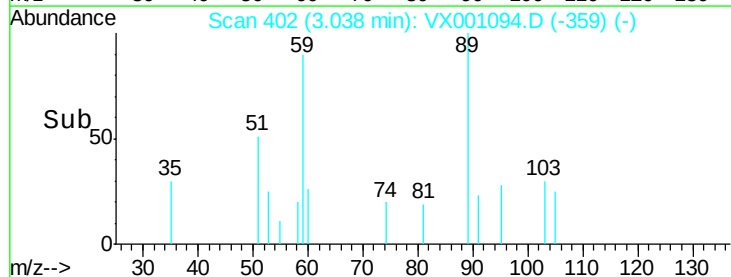
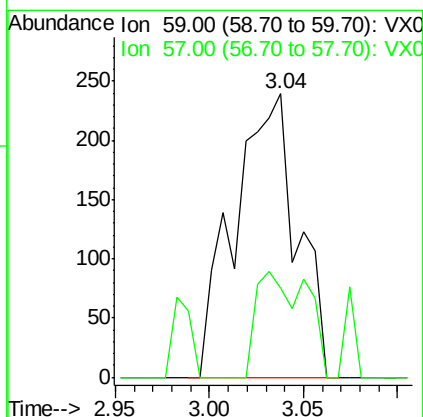
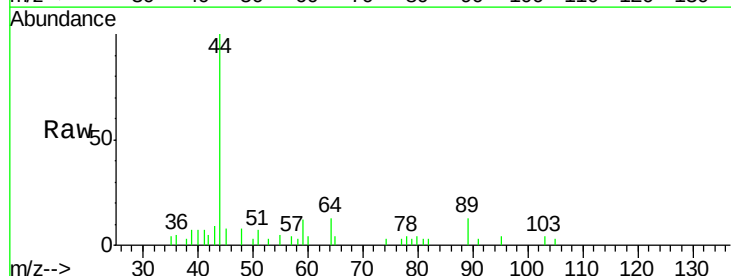
Instrument :
MSVOA_X
ClientSampleId :
LF014MW012-180416

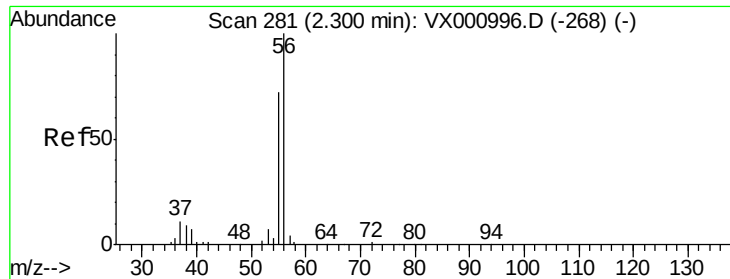
Tgt Ion: 142 Resp: 94
Ion Ratio Lower Upper
142 100
127 0.0 34.0 51.0#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.26 ug/l
RT: 3.04 min Scan# 402
Delta R.T. -0.04 min
Lab File: VX001094.D
Acq: 24 Apr 2018 23:35

Tgt Ion: 59 Resp: 553
Ion Ratio Lower Upper
59 100
57 29.8 8.3 12.5#





#13

Acrolein

Concen: 11.63 ug/l

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX001094.D

Acq: 24 Apr 2018 23:35

Instrument :

MSVOA_X

ClientSampleId :

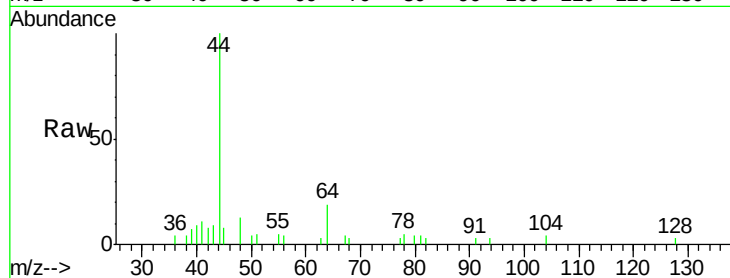
LF014MW012-180416

Tgt Ion: 56 Resp: 100

Ion Ratio Lower Upper

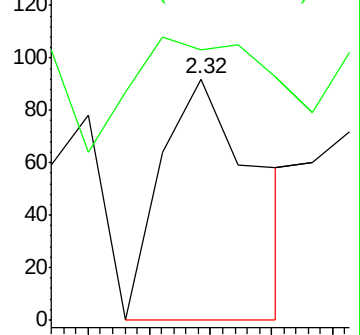
56 100

55 119.0 57.4 86.2#

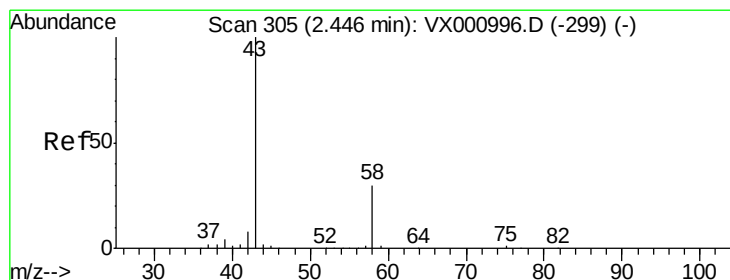
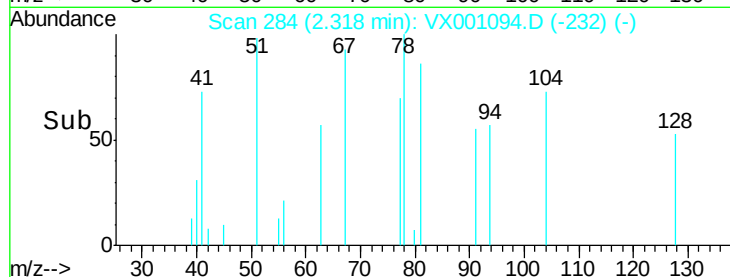


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 1.25 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX001094.D

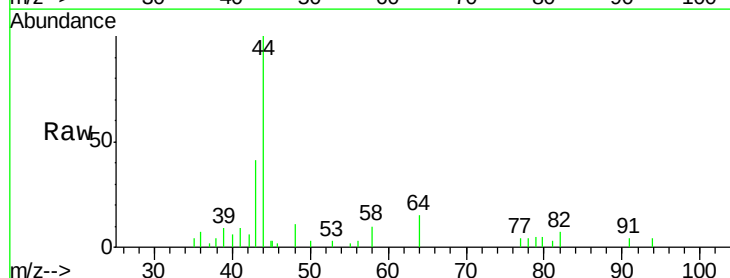
Acq: 24 Apr 2018 23:35

Tgt Ion: 43 Resp: 1367

Ion Ratio Lower Upper

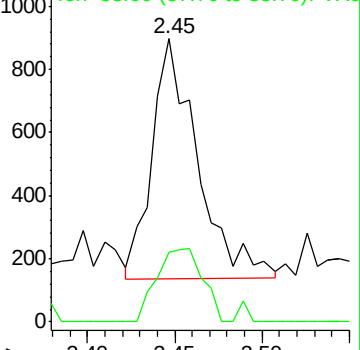
43 100

58 30.1 23.7 35.5

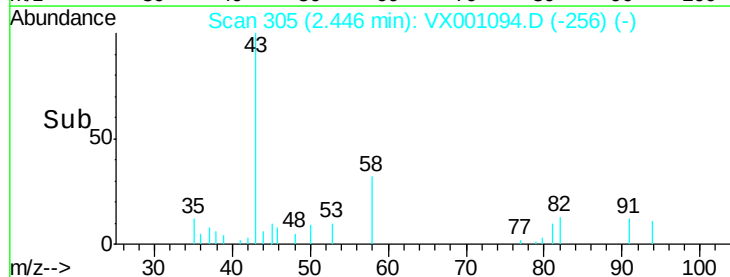


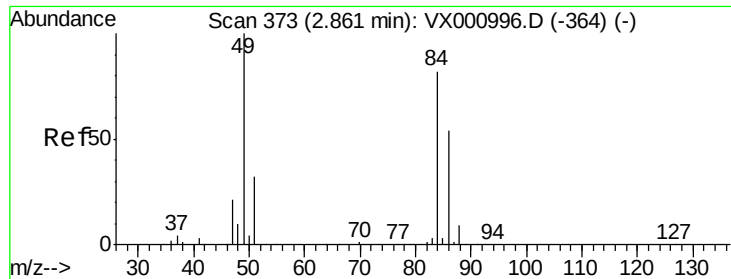
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

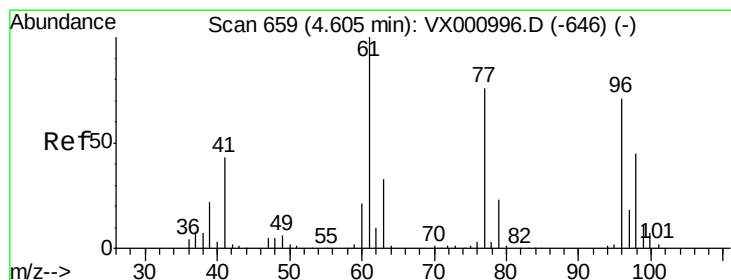
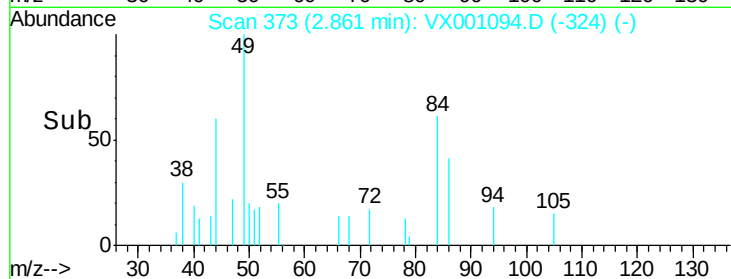
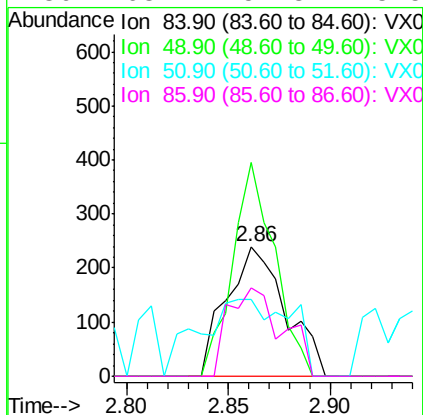
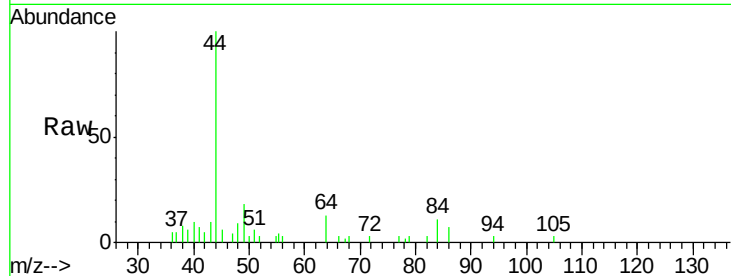




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001094.D
Acq: 24 Apr 2018 23:35

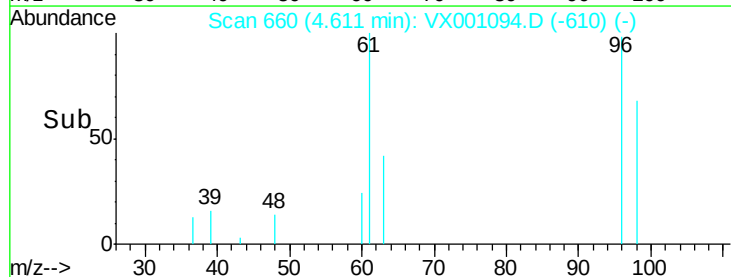
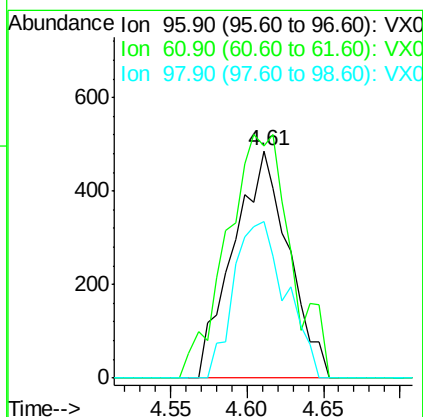
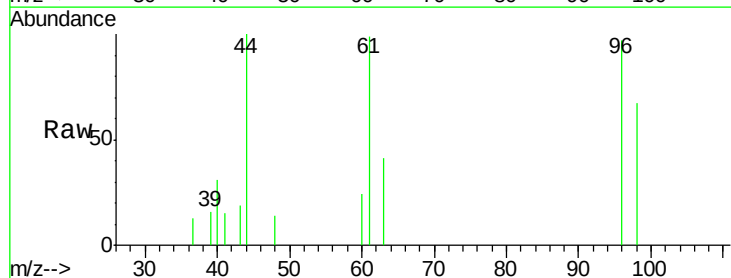
Instrument :
MSVOA_X
ClientSampleId :
LF014MW012-180416

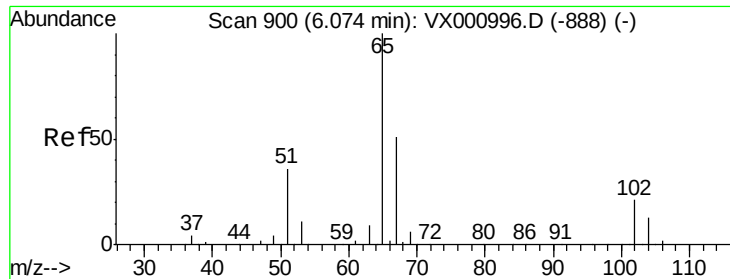
Tgt Ion: 84 Resp: 481
Ion Ratio Lower Upper
84 100
49 165.3 97.1 145.7#
51 59.8 30.8 46.2#
86 68.2 52.3 78.5



#27
cis-1,2-Dichloroethene
Concen: 0.44 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX001094.D
Acq: 24 Apr 2018 23:35

Tgt Ion: 96 Resp: 1217
Ion Ratio Lower Upper
96 100
61 124.9 0.0 297.0
98 64.9 0.0 130.0

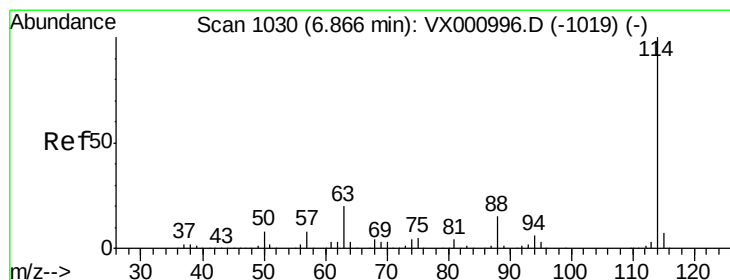
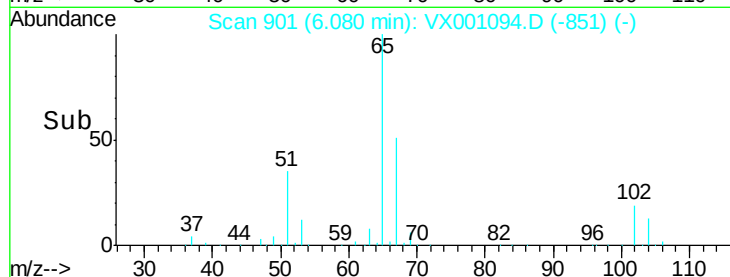
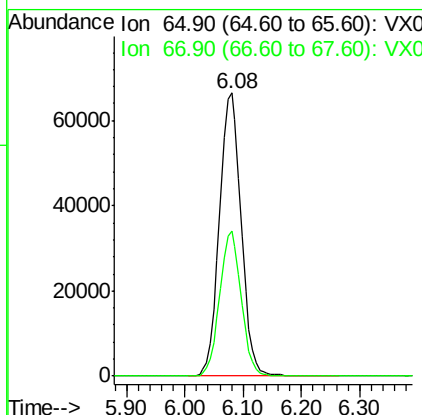
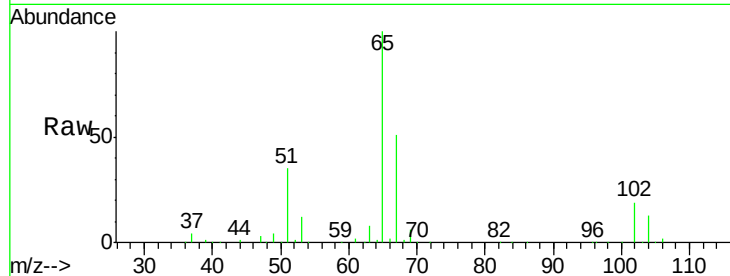




#33
 1,2-Dichloroethane-d4
 Concen: 59.17 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001094.D
 Acq: 24 Apr 2018 23:35

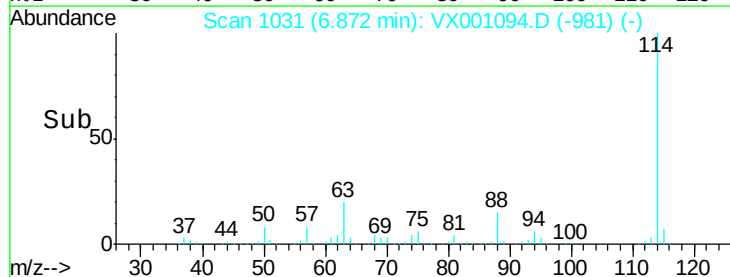
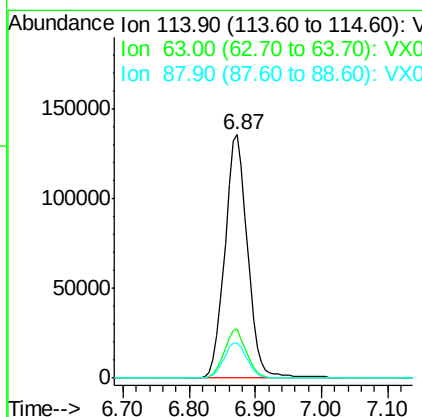
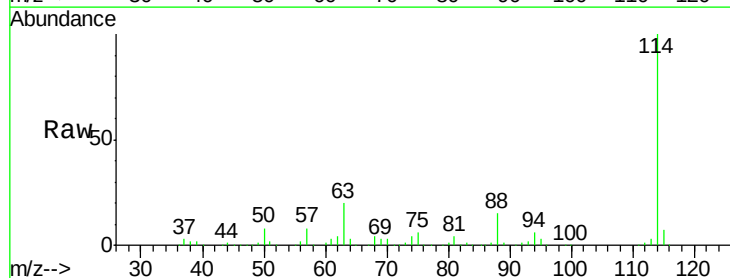
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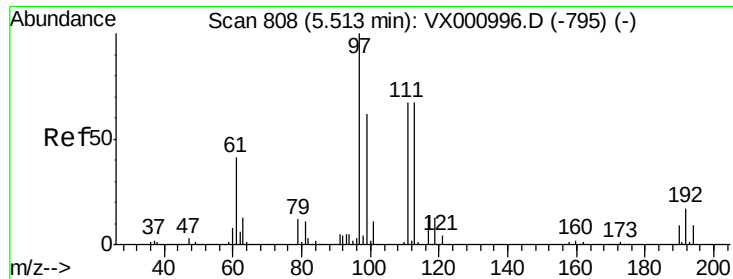
Tgt Ion: 65 Resp: 172269
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001094.D
 Acq: 24 Apr 2018 23:35

Tgt Ion: 114 Resp: 323519
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.4
 88 14.6 0.0 29.8

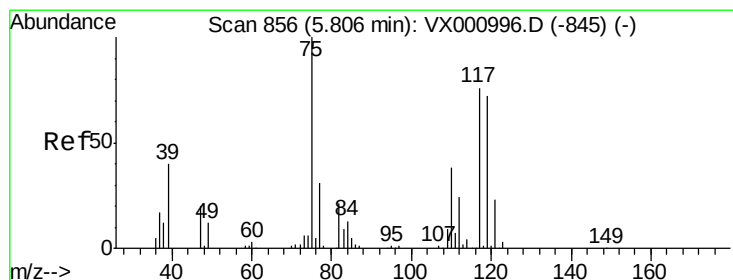
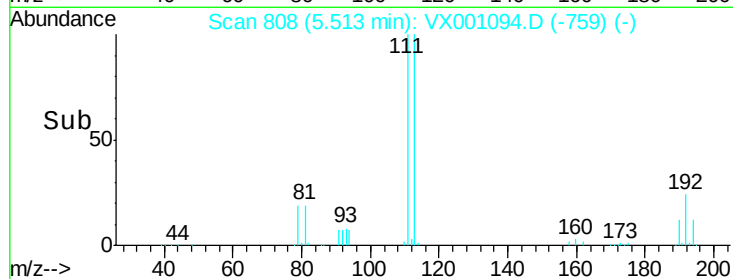
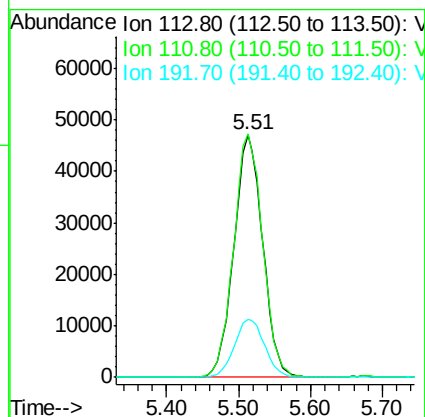
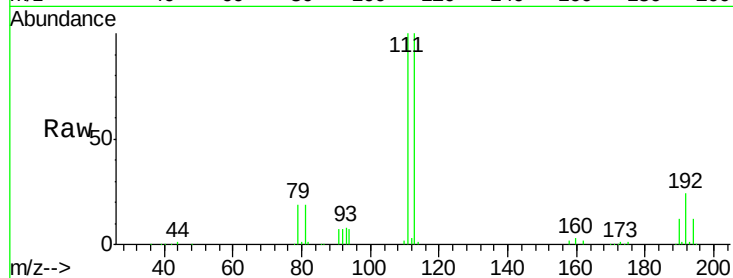




#35
 Dibromofluoromethane
 Concen: 52.95 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001094.D
 Acq: 24 Apr 2018 23:35

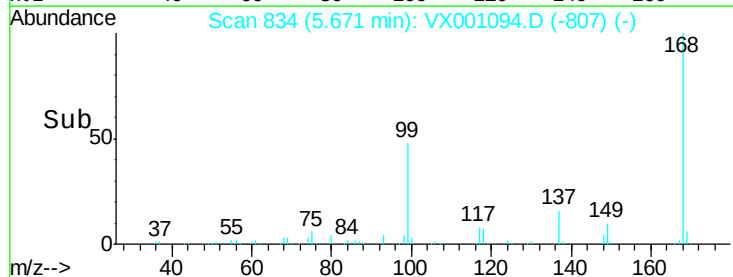
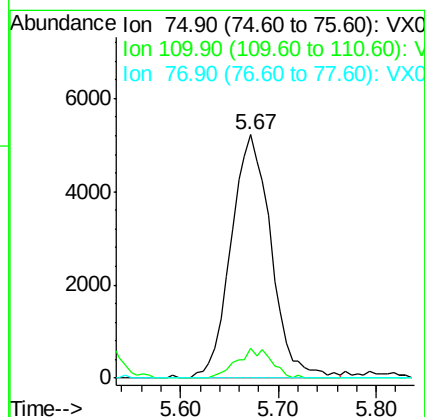
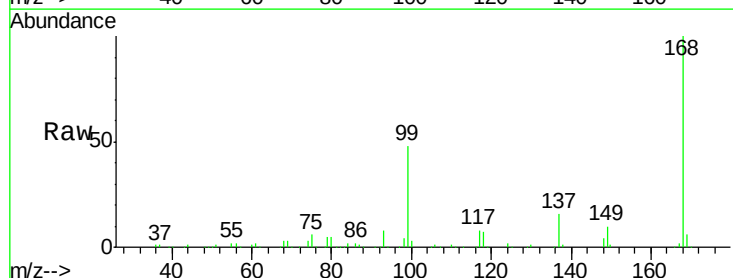
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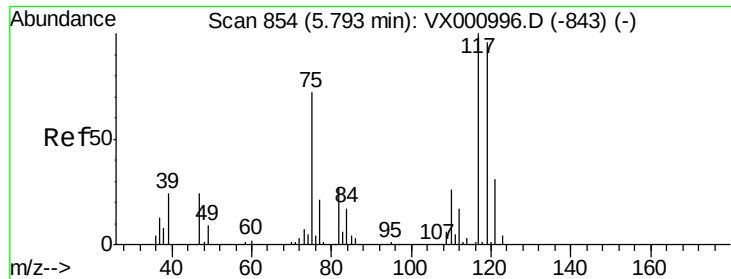
Tgt Ion:113 Resp: 130615
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.4 122.2
 192 25.1 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001094.D
 Acq: 24 Apr 2018 23:35

Tgt Ion: 75 Resp: 14804
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.7 56.1#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.20 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX001094.D

Acq: 24 Apr 2018 23:35

Instrument :

MSVOA_X

ClientSampleId :

LF014MW012-180416

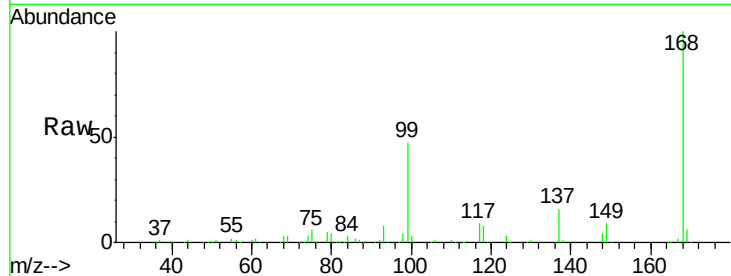
Tgt Ion:117 Resp: 20027

Ion Ratio Lower Upper

117 100

119 5.4 76.5 114.7#

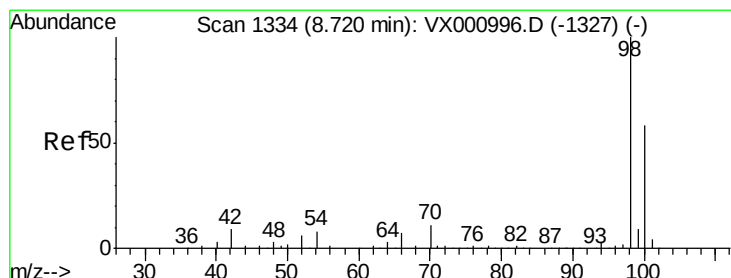
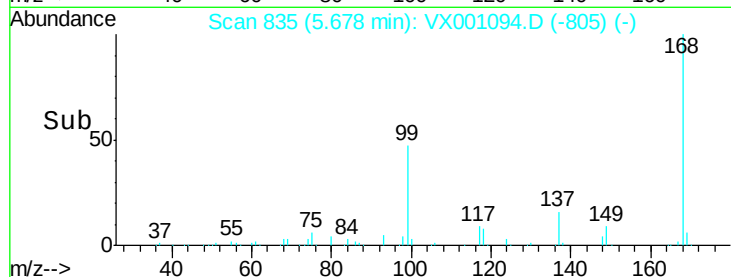
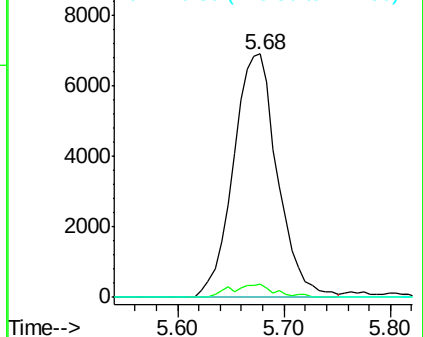
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 54.58 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001094.D

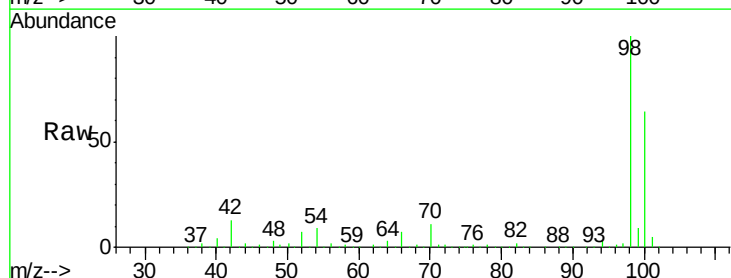
Acq: 24 Apr 2018 23:35

Tgt Ion: 98 Resp: 497898

Ion Ratio Lower Upper

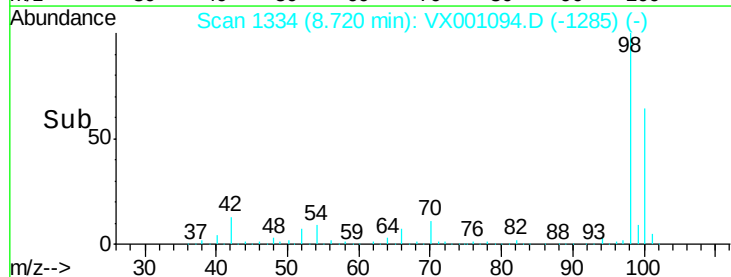
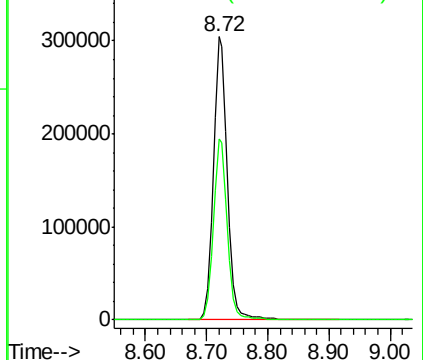
98 100

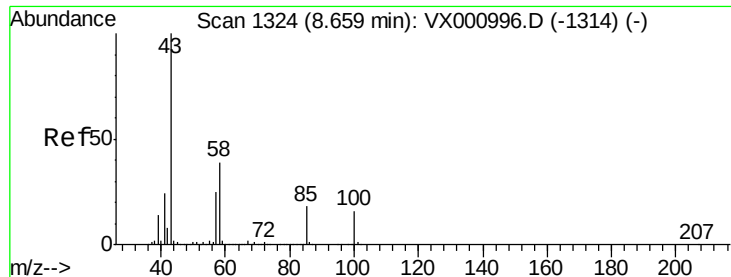
100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

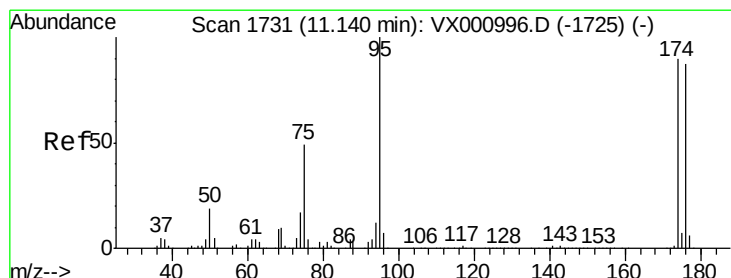
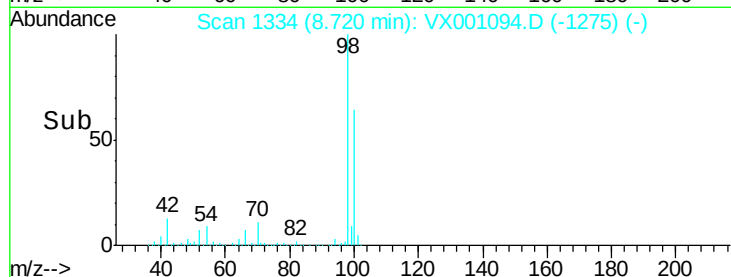
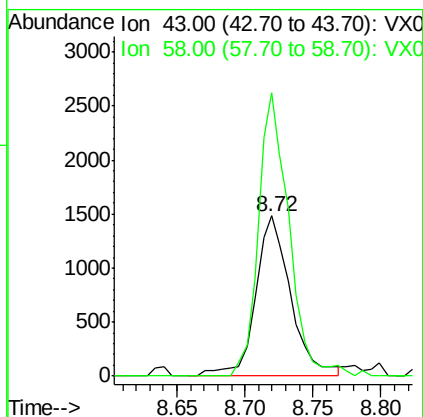
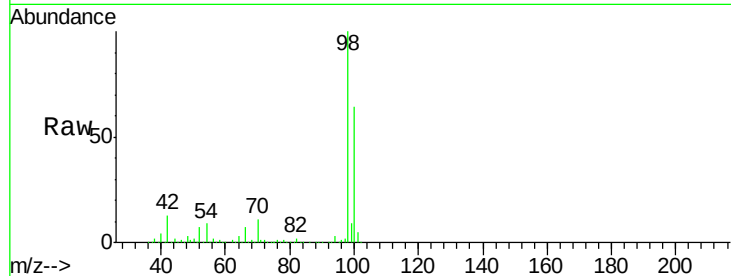




#51
 4-Methyl-2-Pentanone
 Concen: 0.74 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.06 min
 Lab File: VX001094.D
 Acq: 24 Apr 2018 23:35

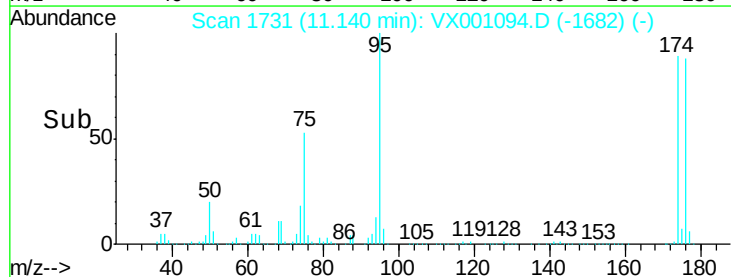
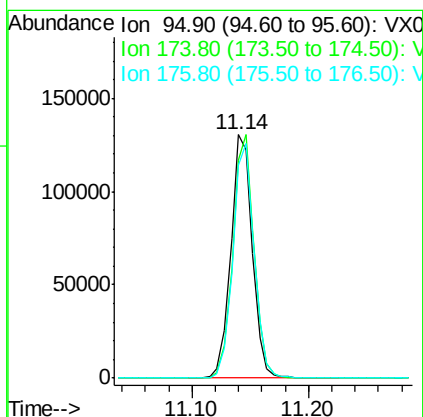
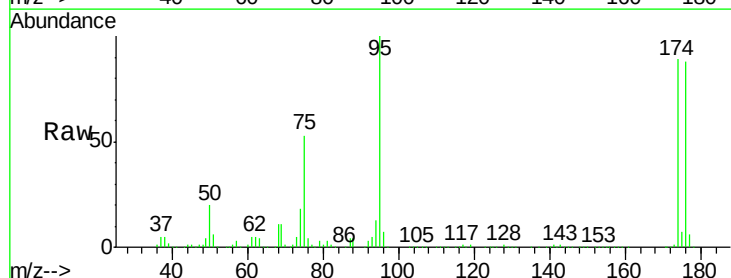
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW012-180416

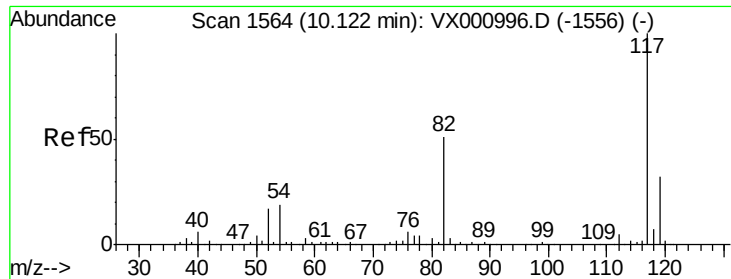
Tgt Ion: 43 Resp: 2687
 Ion Ratio Lower Upper
 43 100
 58 154.6 30.2 45.4#



#62
 4-Bromofluorobenzene
 Concen: 43.67 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001094.D
 Acq: 24 Apr 2018 23:35

Tgt Ion: 95 Resp: 167173
 Ion Ratio Lower Upper
 95 100
 174 98.4 0.0 198.4
 176 95.6 0.0 192.0

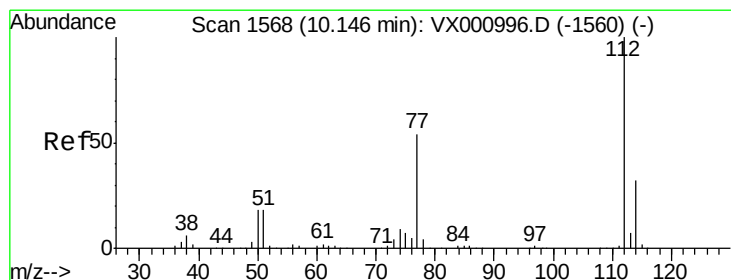
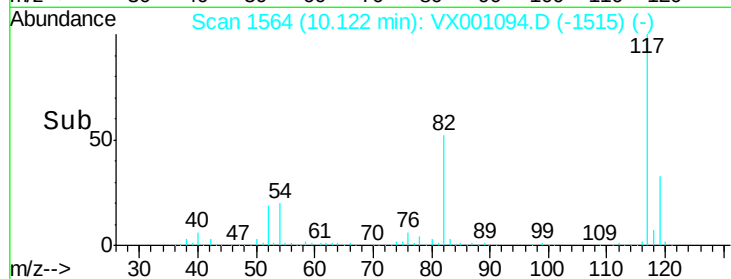
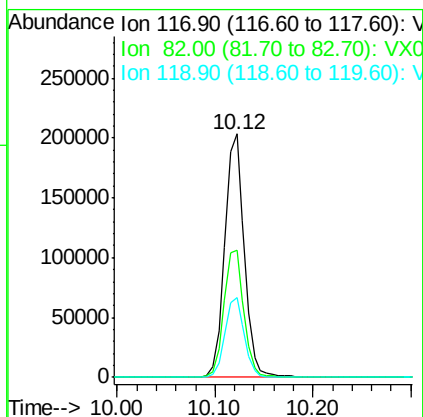
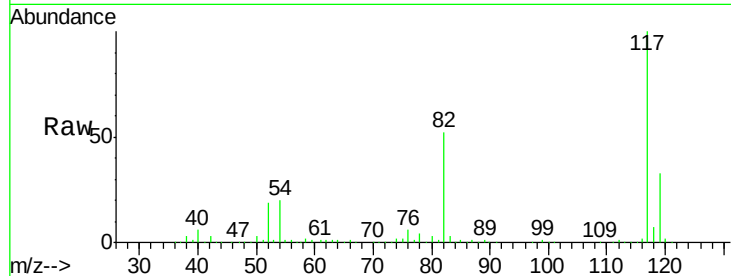




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001094.D
Acq: 24 Apr 2018 23:35

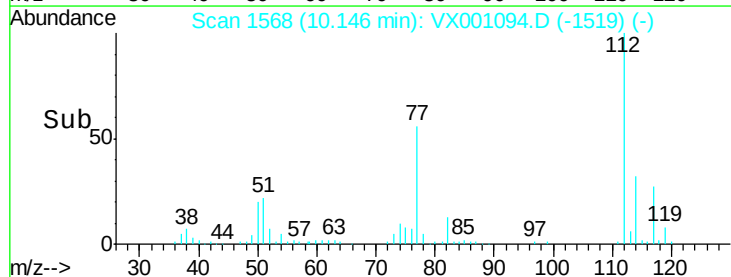
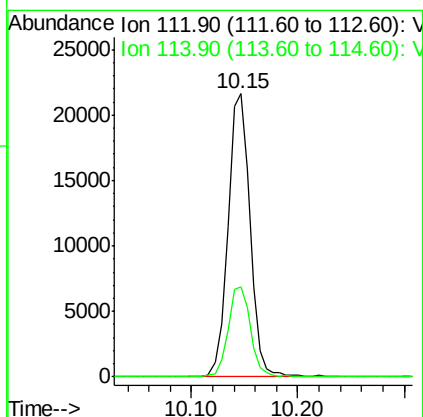
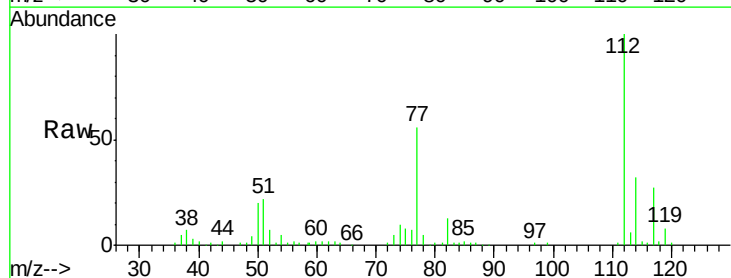
Instrument :
MSVOA_X
ClientSampleId :
LF014MW012-180416

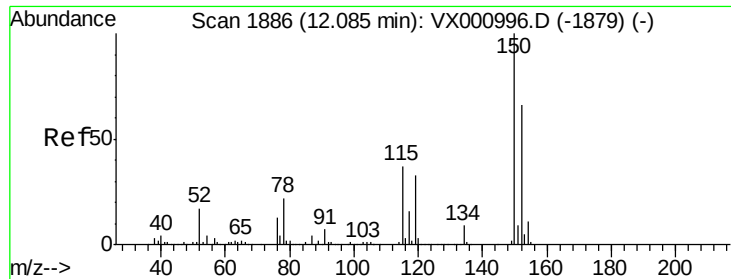
Tgt Ion:117 Resp: 281122
Ion Ratio Lower Upper
117 100
82 52.2 40.6 60.8
119 32.6 26.0 39.0



#65
Chlorobenzene
Concen: 4.20 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001094.D
Acq: 24 Apr 2018 23:35

Tgt Ion:112 Resp: 31446
Ion Ratio Lower Upper
112 100
114 31.8 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: VX001094.D

Acq: 24 Apr 2018 23:35

Instrument :

MSVOA_X

ClientSampleId :

LF014MW012-180416

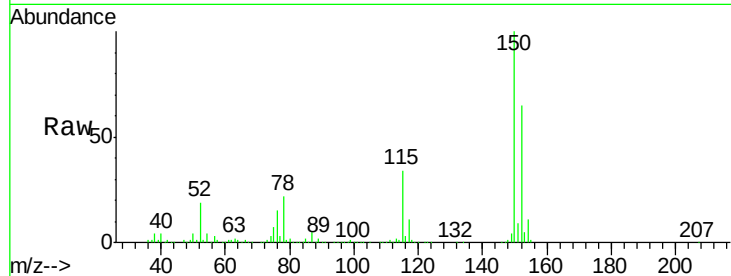
Tgt Ion:152 Resp: 153574

Ion Ratio Lower Upper

152 100

115 53.8 38.2 114.6

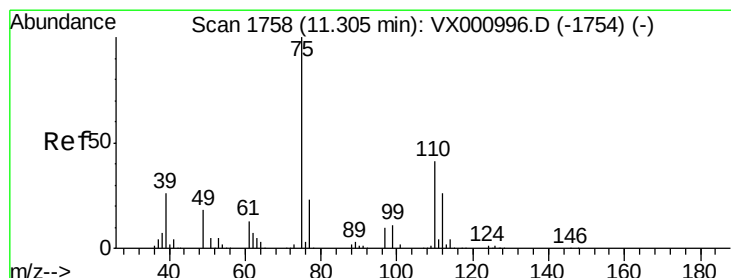
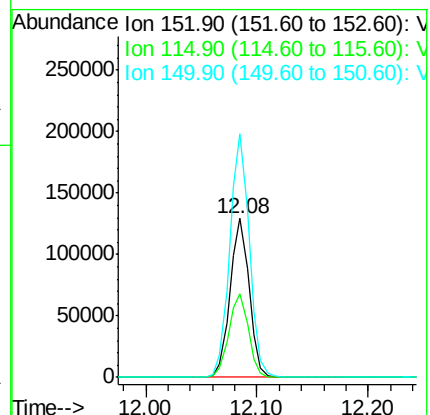
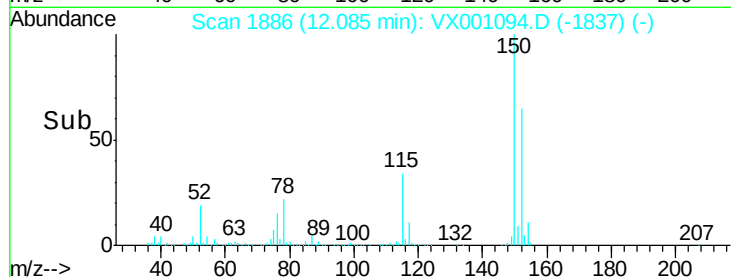
150 155.9 0.0 350.4



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: 32.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001094.D

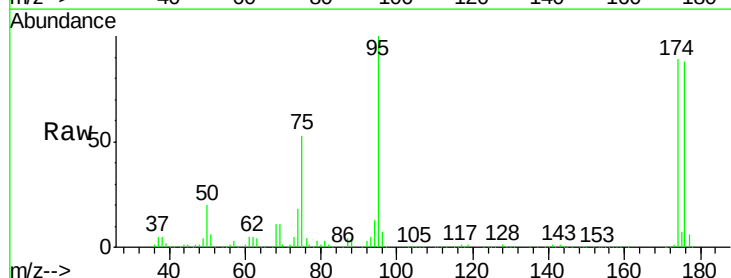
Acq: 24 Apr 2018 23:35

Tgt Ion: 75 Resp: 87246

Ion Ratio Lower Upper

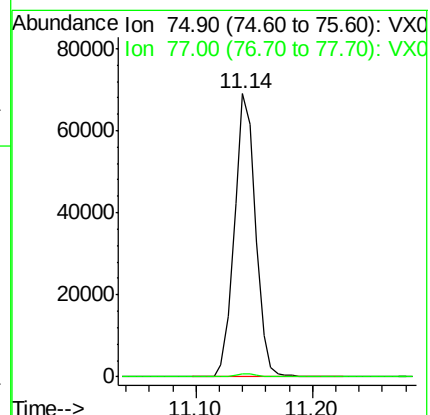
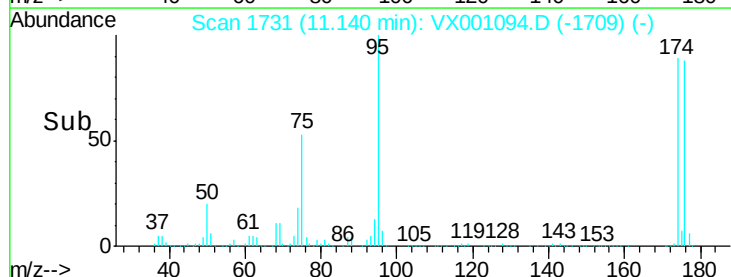
75 100

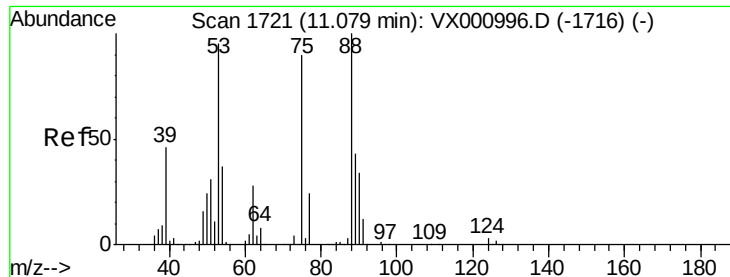
77 1.1 19.6 58.7#



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: 97.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001094.D

Acq: 24 Apr 2018 23:35

Instrument :

MSVOA_X

ClientSampleId :

LF014MW012-180416

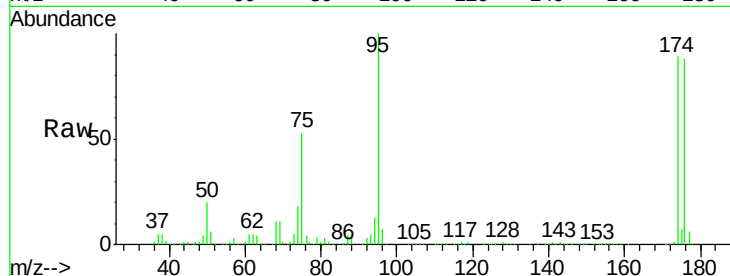
Tgt Ion: 75 Resp: 87246

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

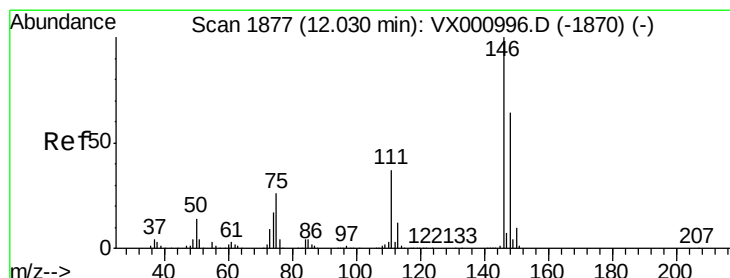
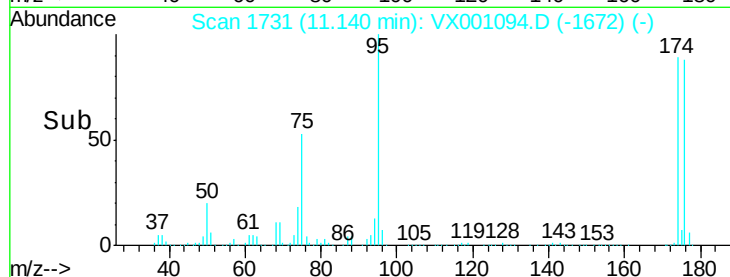
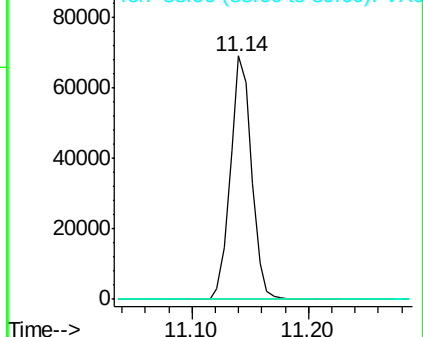
89 0.0 39.7 59.5#



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: 0.27 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001094.D

Acq: 24 Apr 2018 23:35

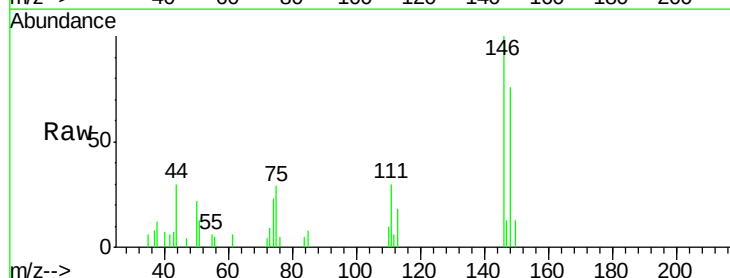
Tgt Ion: 146 Resp: 1491

Ion Ratio Lower Upper

146 100

111 37.9 18.3 54.8

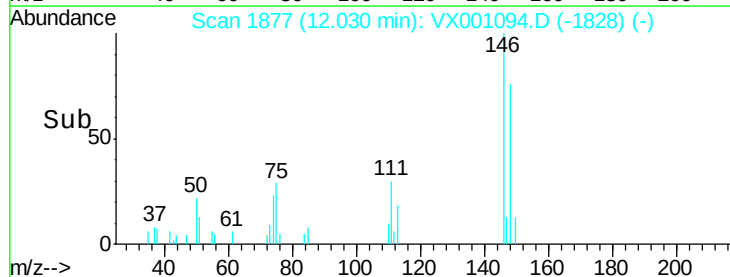
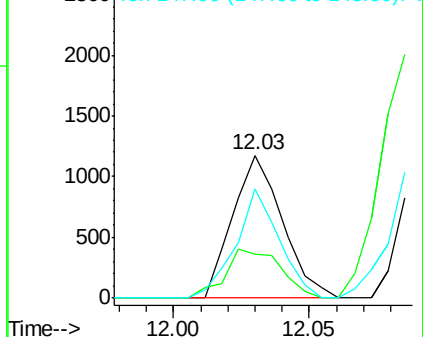
148 66.4 32.2 96.6

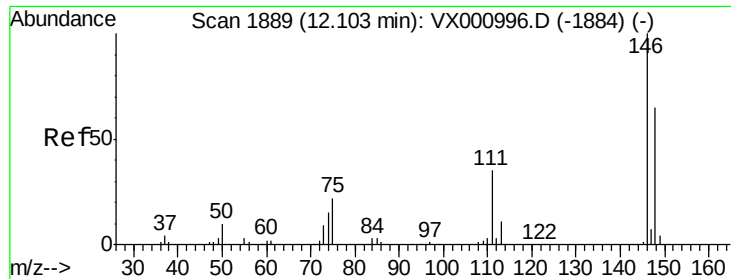


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

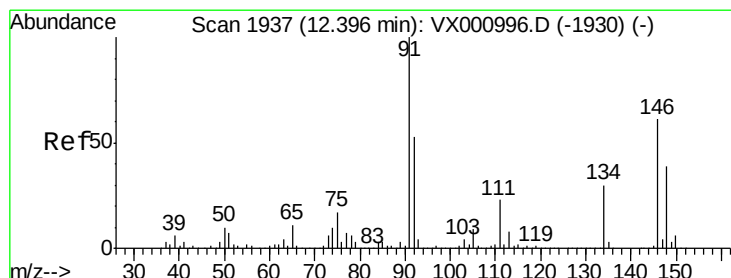
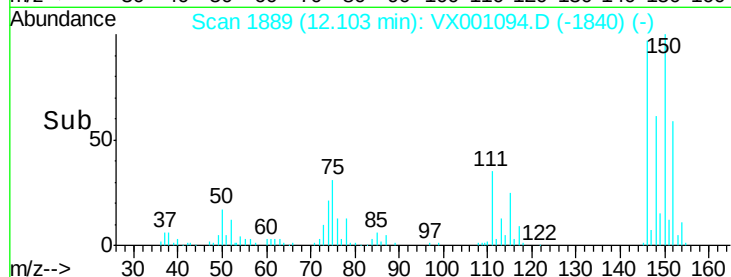
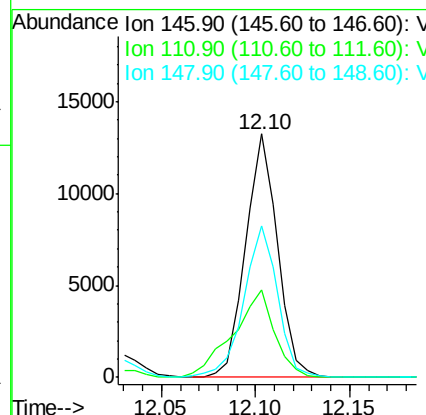
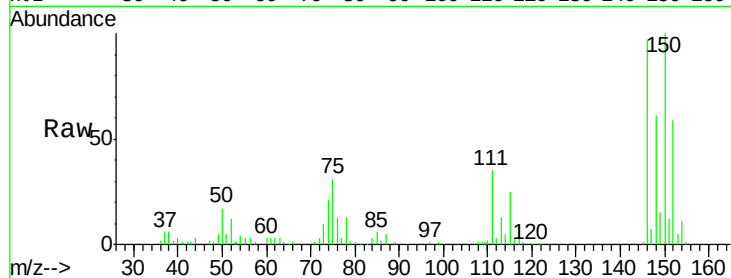




#88
 1,4-Dichlorobenzene
 Concen: 2.77 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001094.D
 Acq: 24 Apr 2018 23:35

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW012-180416

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.8	18.0	54.0
148	66.4	32.4	97.0



#91
 1,2-Dichlorobenzene
 Concen: 2.21 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001094.D
 Acq: 24 Apr 2018 23:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.6	56.0
148	64.6	32.3	96.8

