

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042318\
 Data File : VX001059.D
 Acq On : 23 Apr 2018 15:28
 Operator : JC/MD
 Sample : J2377-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW132-180412

Quant Time: Apr 24 07:02:16 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	215863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	306794	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	185531	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	141771	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	5.51	113	109421	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	8.72	98	429504	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.14	95	166509	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	

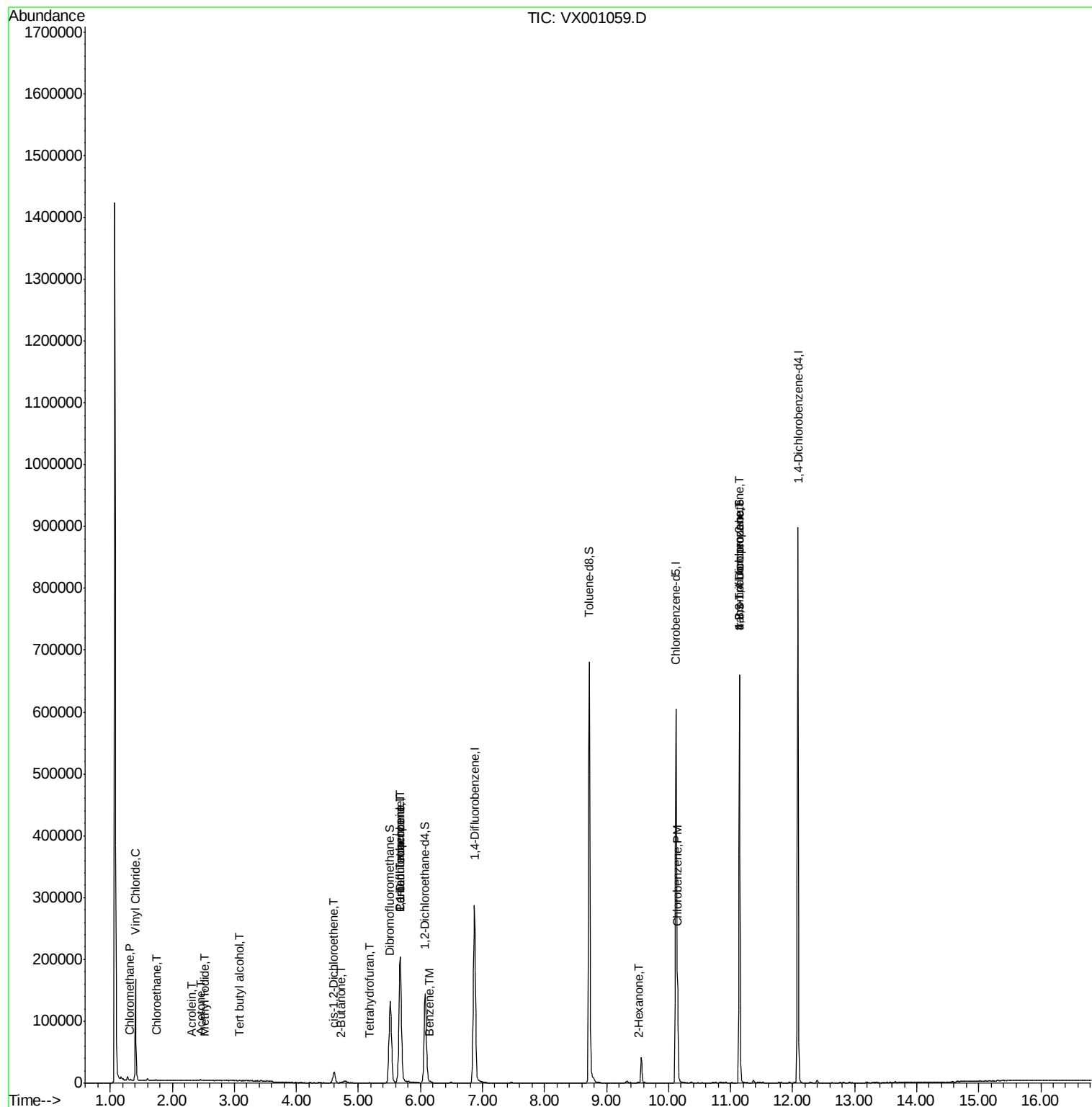
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	801	0.32	ug/l	94
4) Vinyl Chloride	1.40	62	106754	41.32	ug/l	98
5) Bromomethane	1.67	94	339	Below Cal		81
6) Chloroethane	1.75	64	433	0.28	ug/l #	43
10) Methyl Iodide	2.51	142	141	7.65	ug/l #	58
11) Tert butyl alcohol	3.08	59	373	0.90	ug/l #	1
13) Acrolein	2.31	56	94	11.63	ug/l #	43
16) Acetone	2.45	43	2023	1.96	ug/l #	85
20) Methylene Chloride	2.87	84	151	Below Cal	#	66
25) 2-Butanone	4.71	43	1134	0.71	ug/l #	81
27) cis-1,2-Dichloroethene	4.61	96	10734	4.12	ug/l	90
29) Tetrahydrofuran	5.18	42	214	0.21	ug/l #	34
36) 1,1-Dichloropropene	5.67	75	13743	3.81	ug/l #	48
38) Carbon Tetrachloride	5.67	117	18468	5.06	ug/l #	16
40) Benzene	6.15	78	2036	0.20	ug/l #	90
59) 2-Hexanone	9.51	43	592	0.22	ug/l	64
65) Chlorobenzene	10.15	112	62201	8.15	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	83718	26.01	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	83718	77.88	ug/l #	8

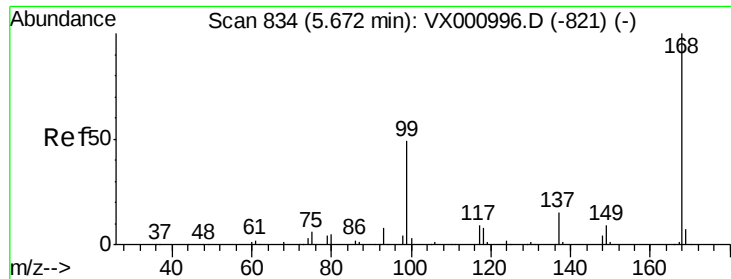
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001059.D

Acq: 23 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

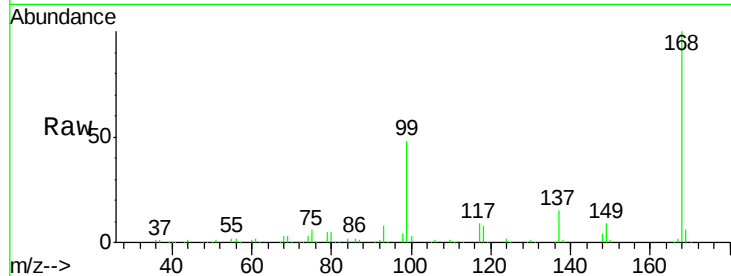
LF014RW132-180412

Tgt Ion: 168 Resp: 215863

Ion Ratio Lower Upper

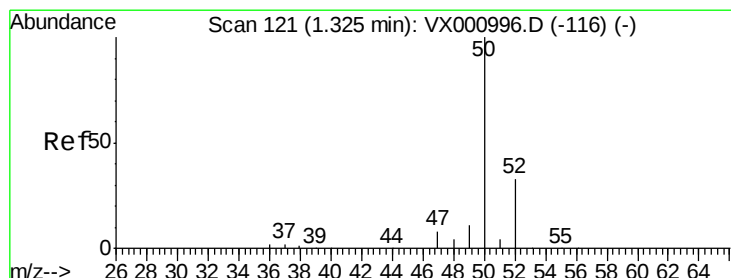
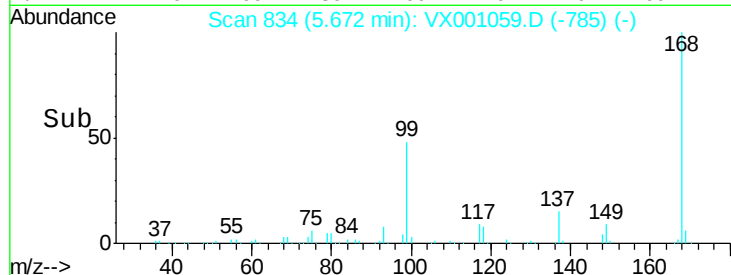
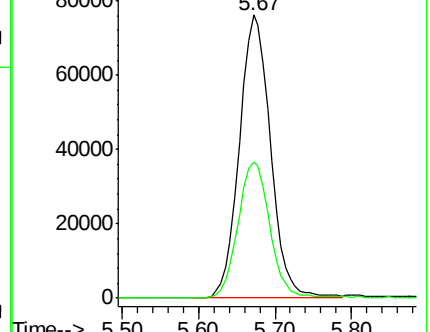
168 100

99 48.2 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: 0.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001059.D

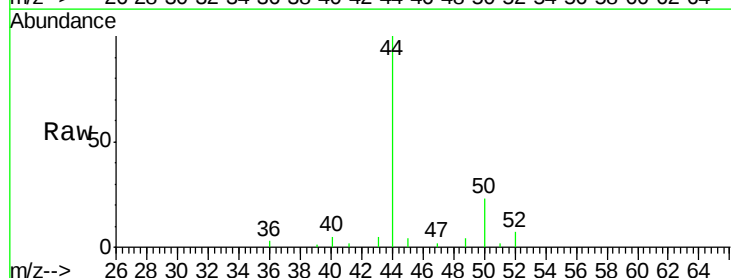
Acq: 23 Apr 2018 15:28

Tgt Ion: 50 Resp: 801

Ion Ratio Lower Upper

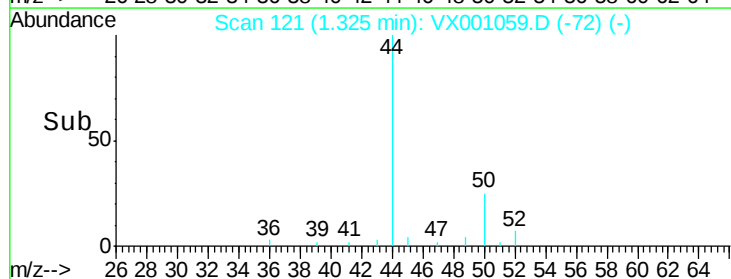
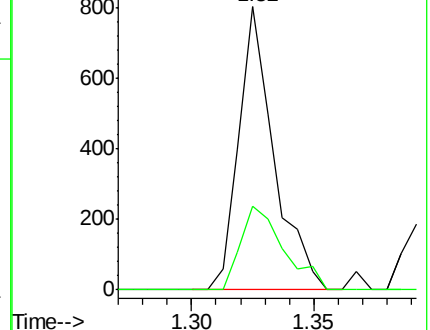
50 100

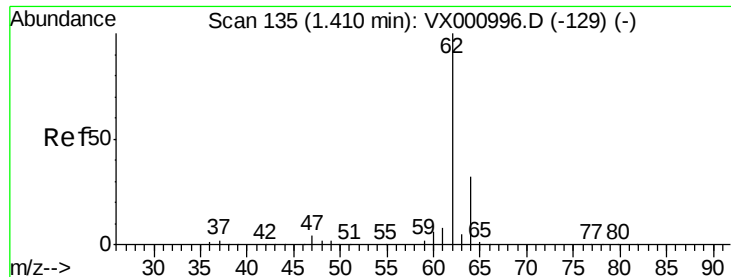
52 29.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 41.32 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

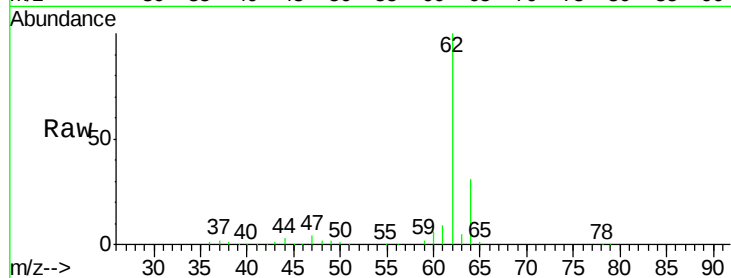
LF014RW132-180412

Tgt Ion: 62 Resp: 106754

Ion Ratio Lower Upper

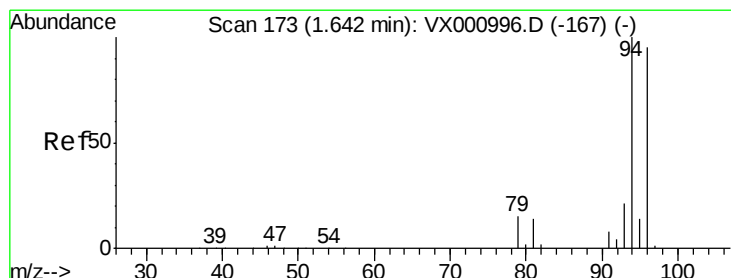
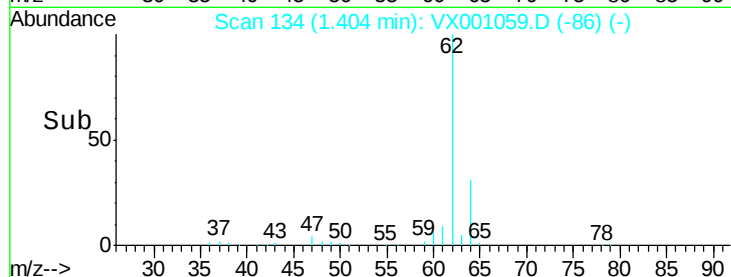
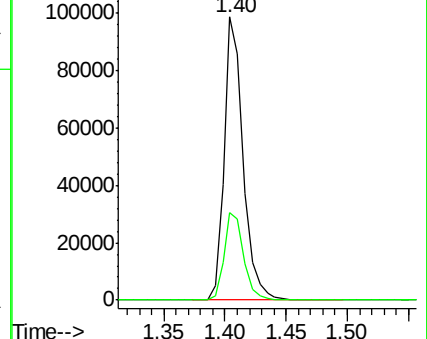
62 100

64 30.8 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: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001059.D

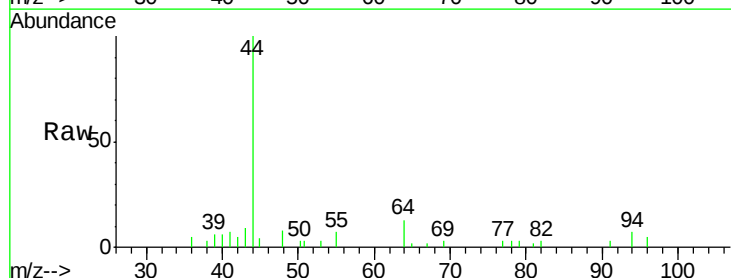
Acq: 23 Apr 2018 15:28

Tgt Ion: 94 Resp: 339

Ion Ratio Lower Upper

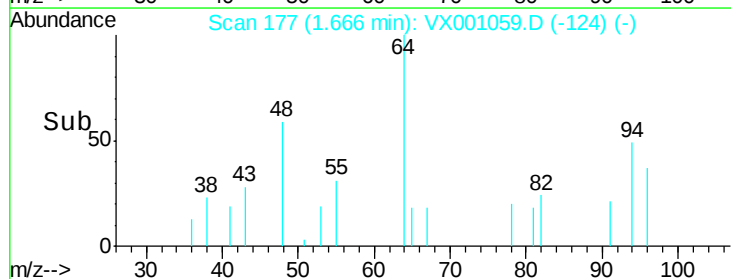
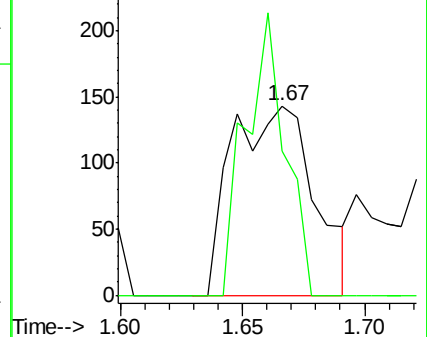
94 100

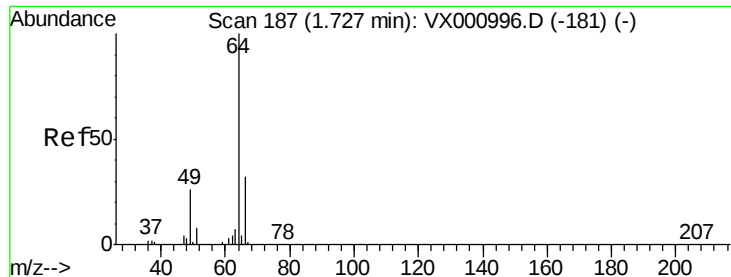
96 76.2 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.28 ug/l

RT: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

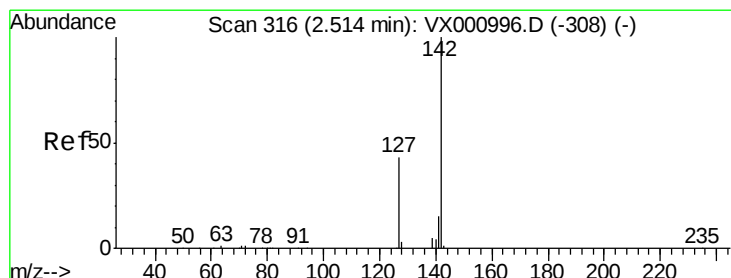
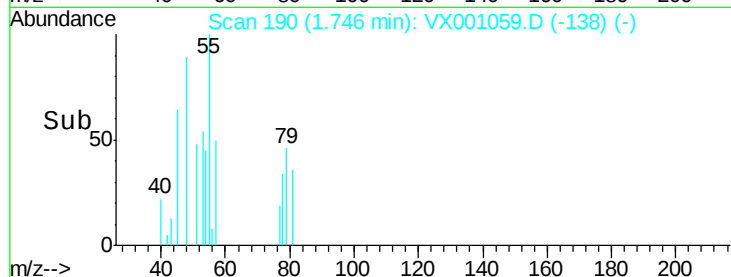
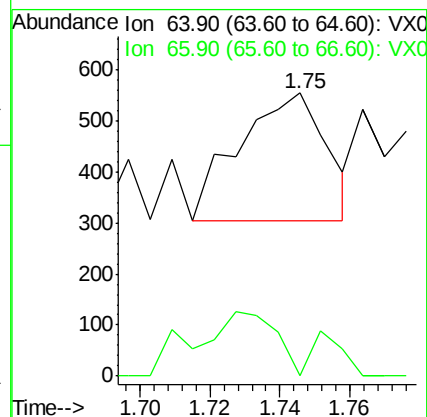
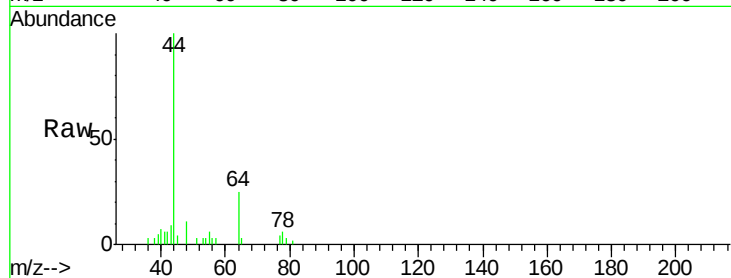
LF014RW132-180412

Tgt Ion: 64 Resp: 433

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 7.65 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

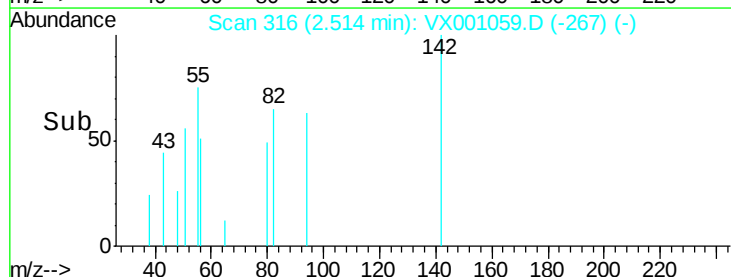
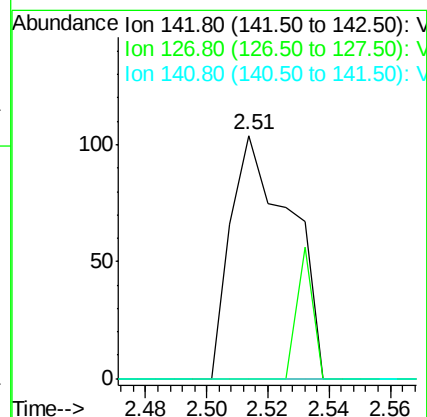
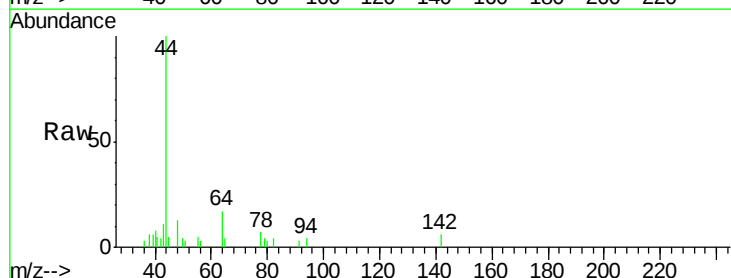
Tgt Ion: 142 Resp: 141

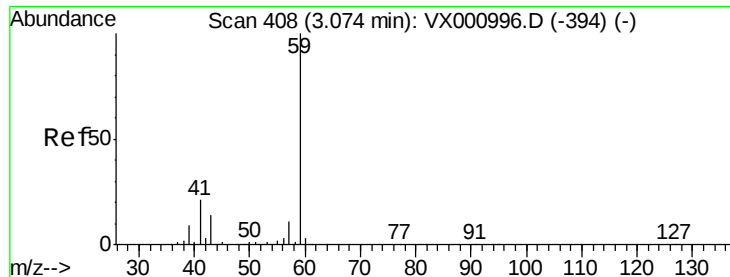
Ion Ratio Lower Upper

142 100

127 14.2 34.0 51.0#

141 0.0 11.4 17.2#

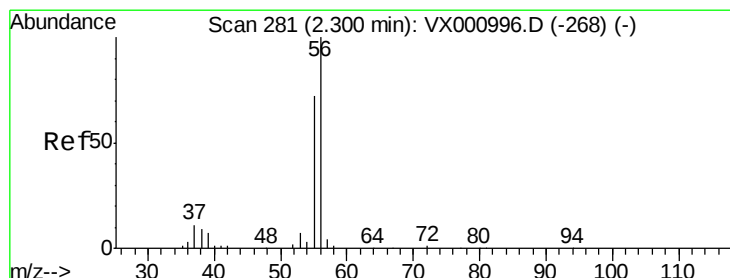
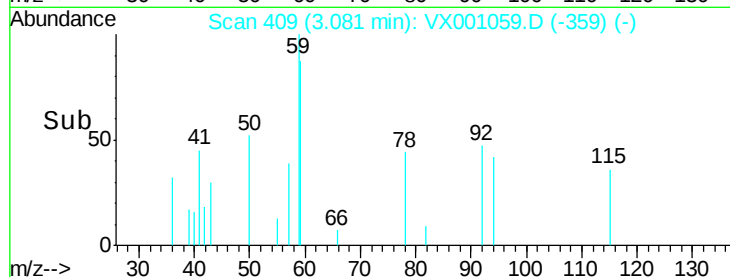
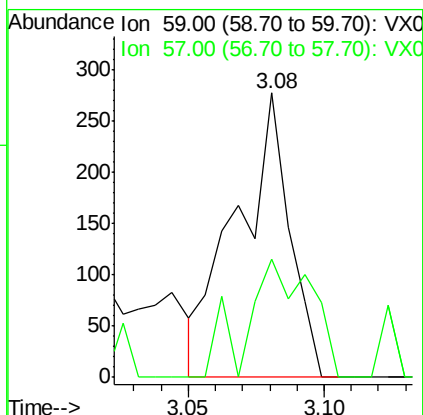
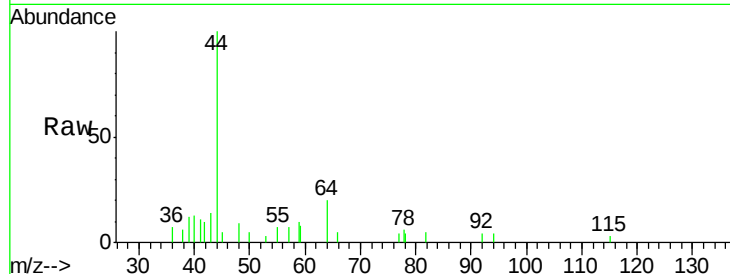




#11
Tert butyl alcohol
Concen: 0.90 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001059.D
Acq: 23 Apr 2018 15:28

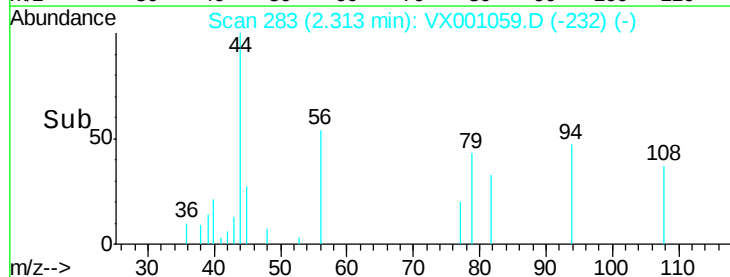
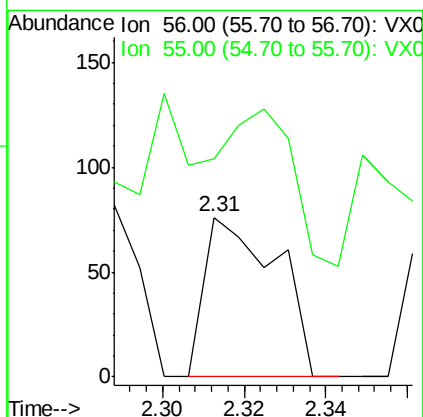
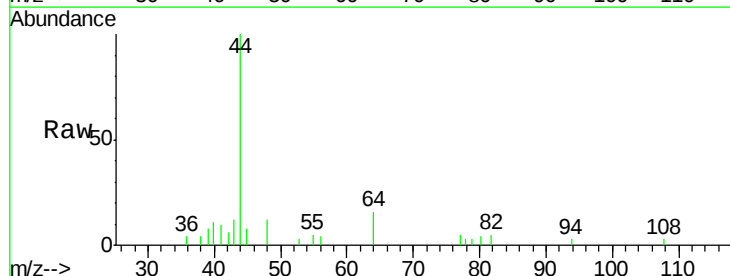
Instrument :
MSVOA_X
ClientSampleId :
LF014RW132-180412

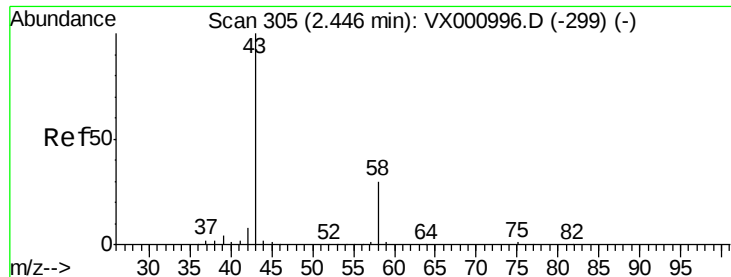
Tgt Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 50.4 8.3 12.5#



#13
Acrolein
Concen: 11.63 ug/l
RT: 2.31 min Scan# 283
Delta R.T. 0.01 min
Lab File: VX001059.D
Acq: 23 Apr 2018 15:28

Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 24.5 57.4 86.2#





#16

Acetone

Concen: 1.96 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

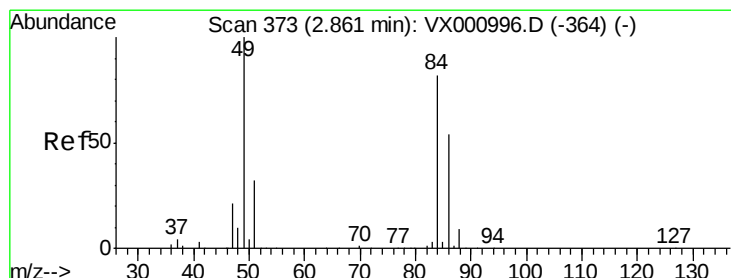
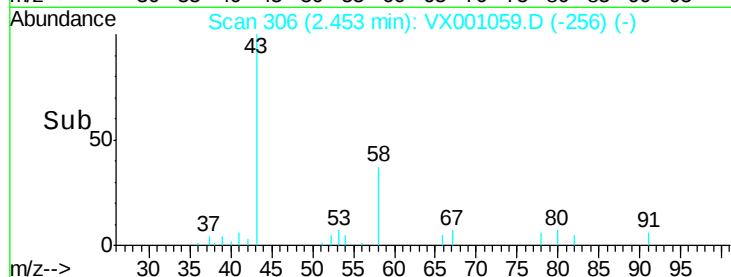
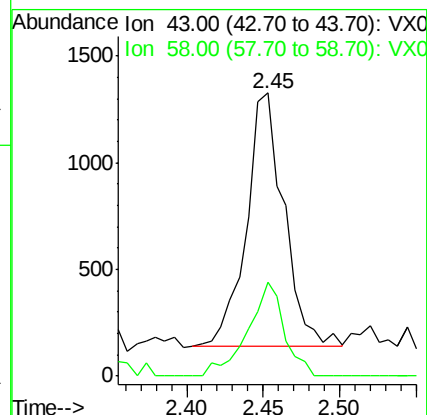
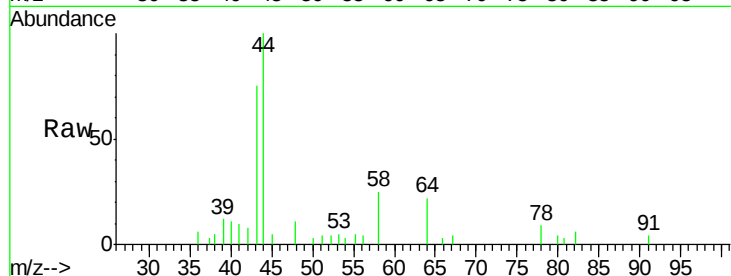
LF014RW132-180412

Tgt Ion: 43 Resp: 2023

Ion Ratio Lower Upper

43 100

58 37.4 23.7 35.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 375

Delta R.T. 0.01 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

Tgt Ion: 84 Resp: 151

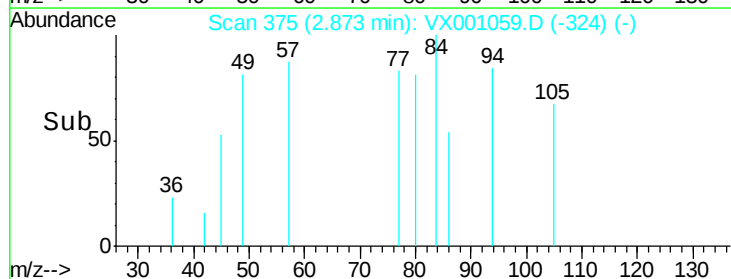
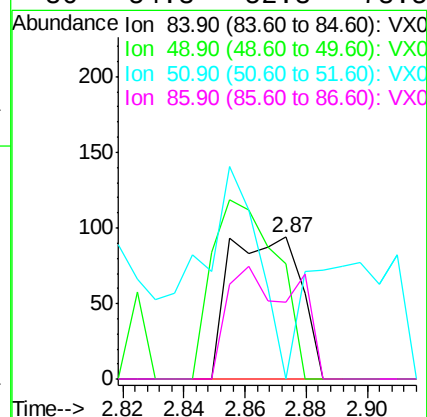
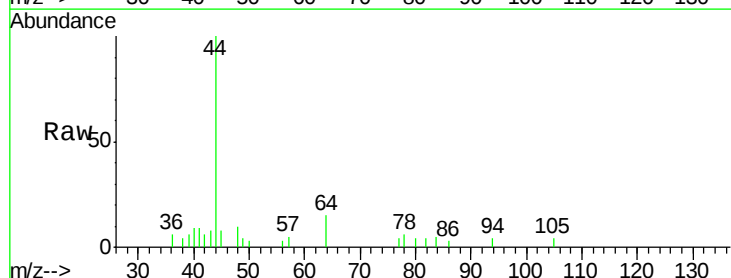
Ion Ratio Lower Upper

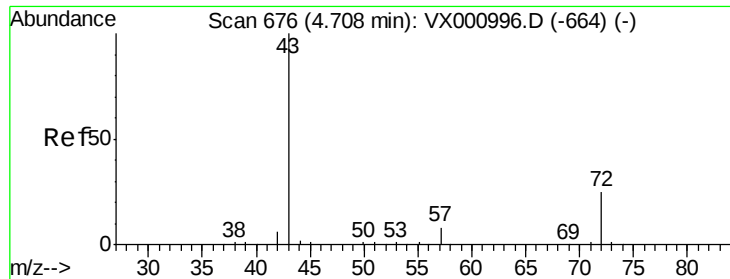
84 100

49 80.9 97.1 145.7#

51 0.0 30.8 46.2#

86 54.3 52.3 78.5





#25

2-Butanone

Concen: 0.71 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

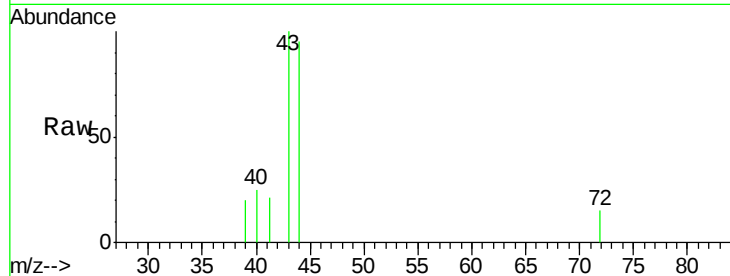
LF014RW132-180412

Tgt Ion: 43 Resp: 1134

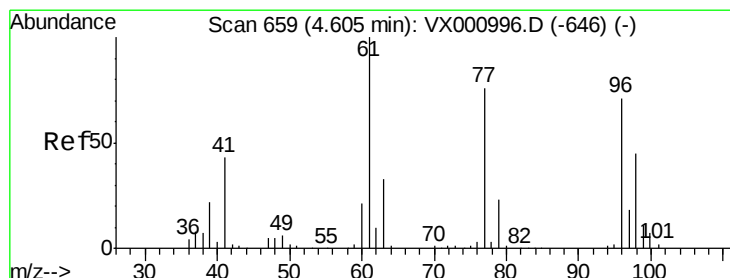
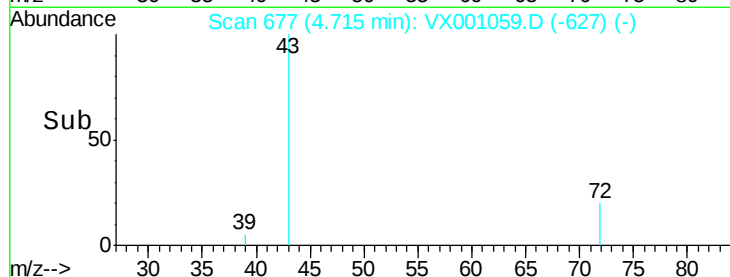
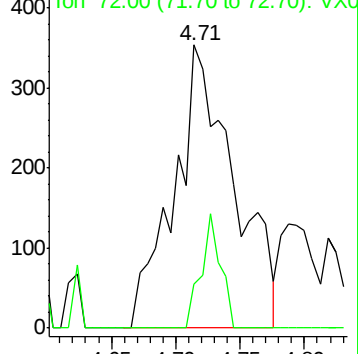
Ion Ratio Lower Upper

43 100

72 15.3 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 4.12 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

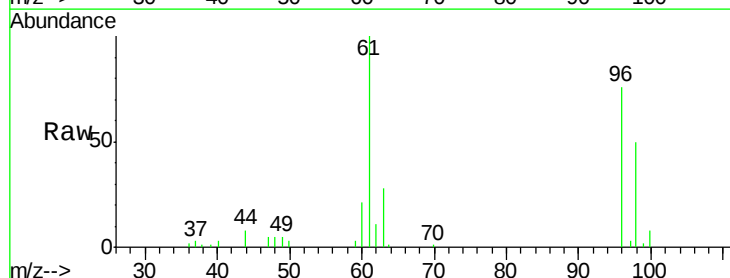
Tgt Ion: 96 Resp: 10734

Ion Ratio Lower Upper

96 100

61 132.0 0.0 297.0

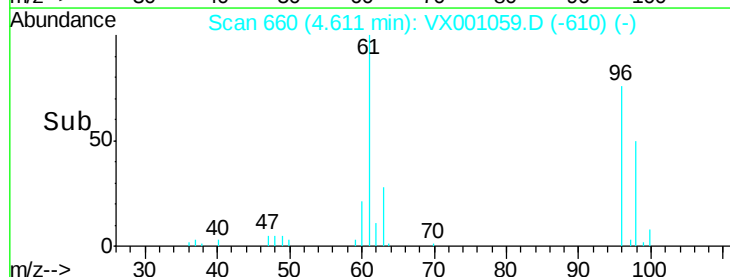
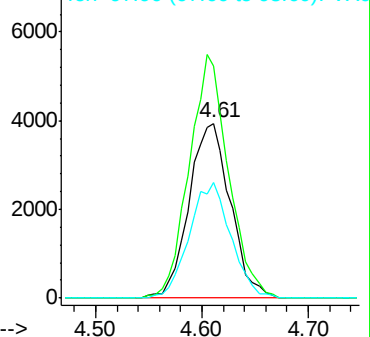
98 66.3 0.0 130.0

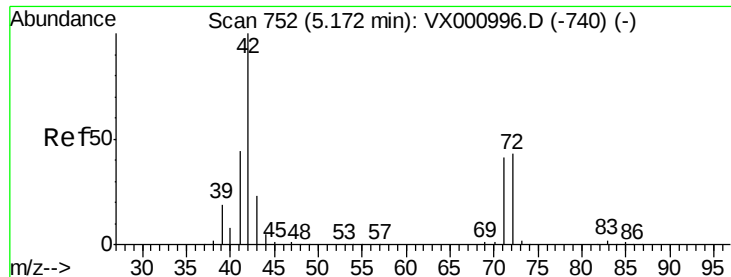


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.21 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

LF014RW132-180412

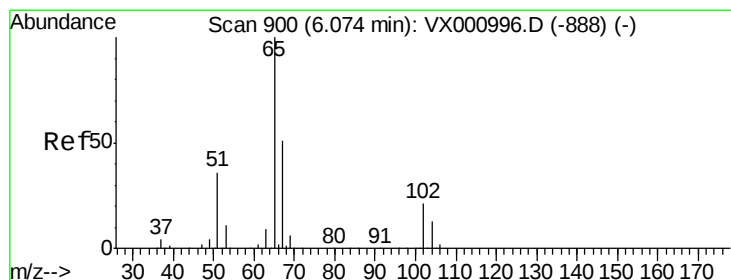
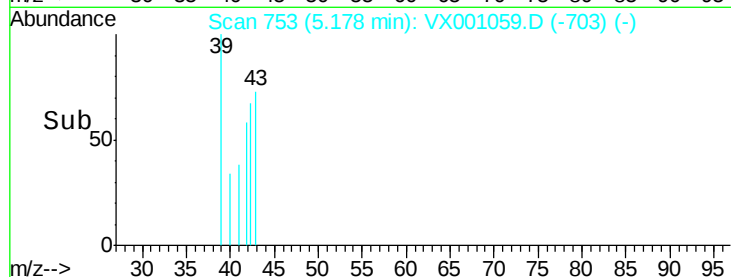
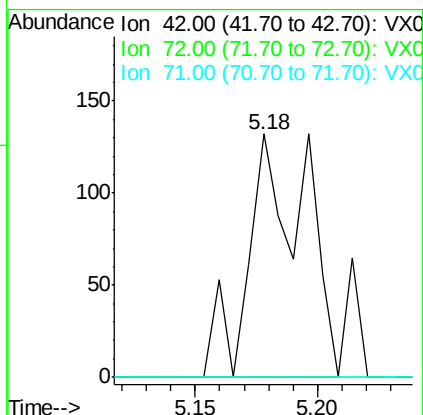
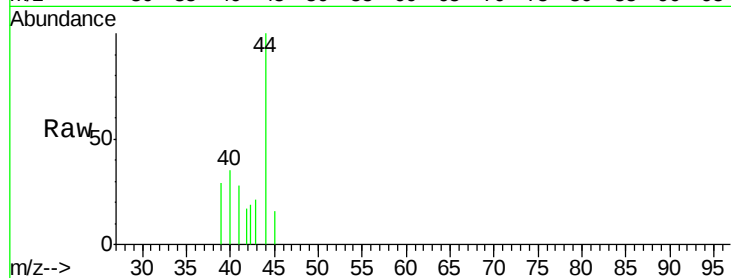
Tgt Ion: 42 Resp: 214

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 0.0 32.6 49.0#



#33

1,2-Dichloroethane-d4

Concen: 51.81 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001059.D

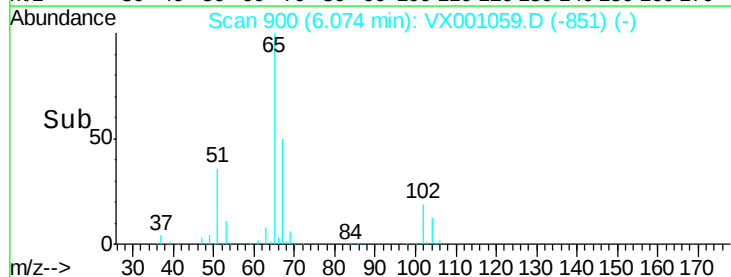
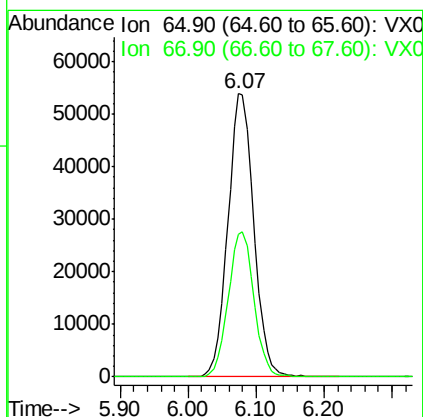
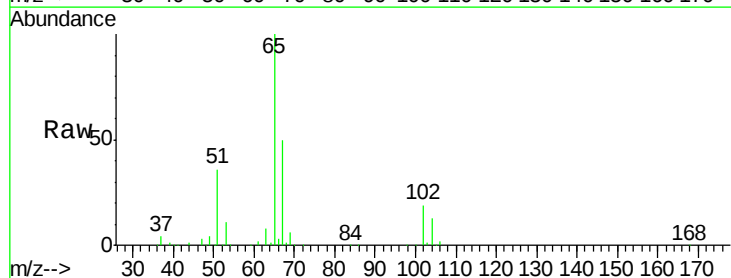
Acq: 23 Apr 2018 15:28

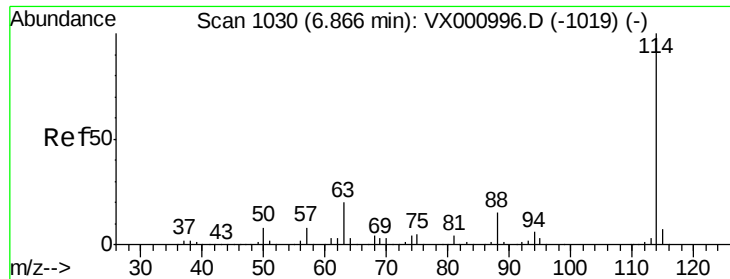
Tgt Ion: 65 Resp: 141771

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.6

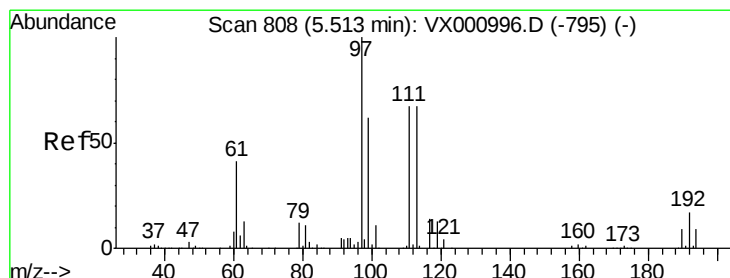
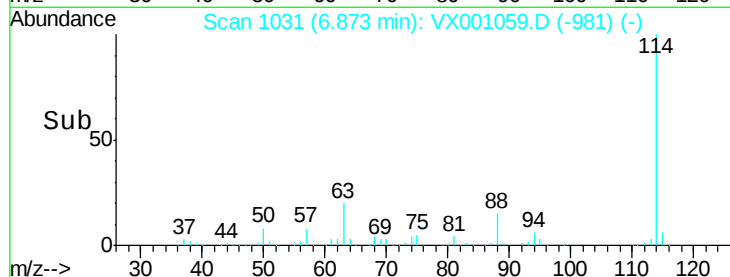
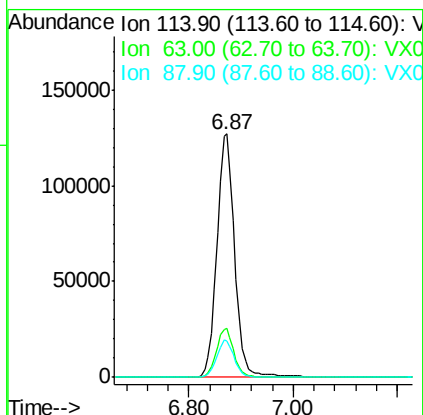
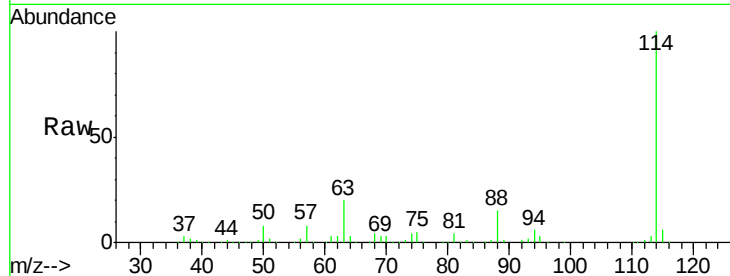




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001059.D
 Acq: 23 Apr 2018 15:28

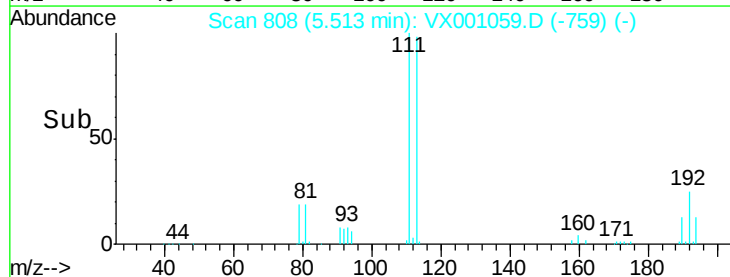
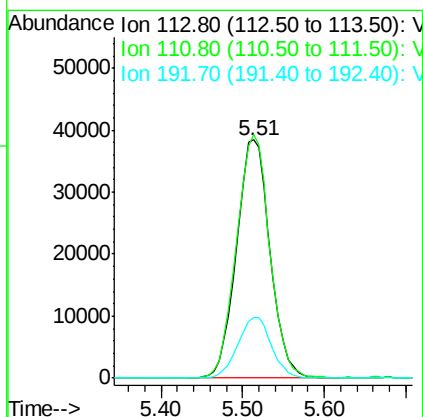
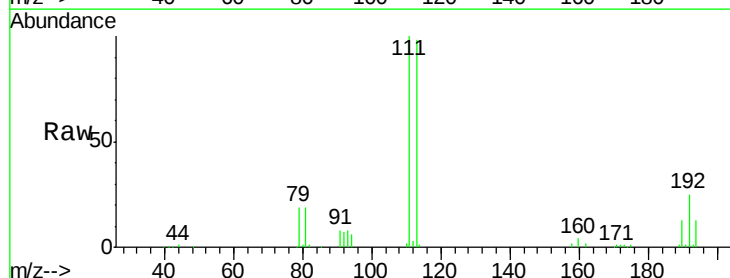
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW132-180412

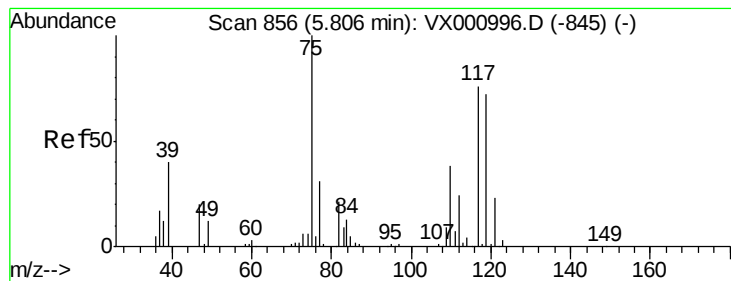
Tgt Ion:114 Resp: 306794
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 14.9 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 46.77 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001059.D
 Acq: 23 Apr 2018 15:28

Tgt Ion:113 Resp: 109421
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.4 122.2
 192 25.7 20.4 30.6





#36

1,1-Dichloropropene

Concen: 3.81 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

LF014RW132-180412

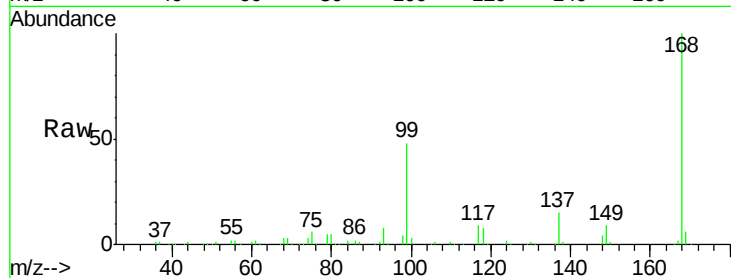
Tgt Ion: 75 Resp: 13743

Ion Ratio Lower Upper

75 100

110 9.1 18.7 56.1#

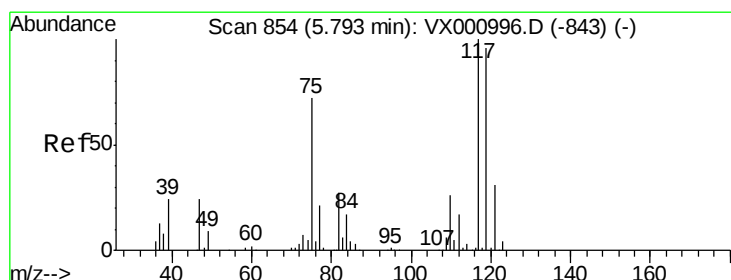
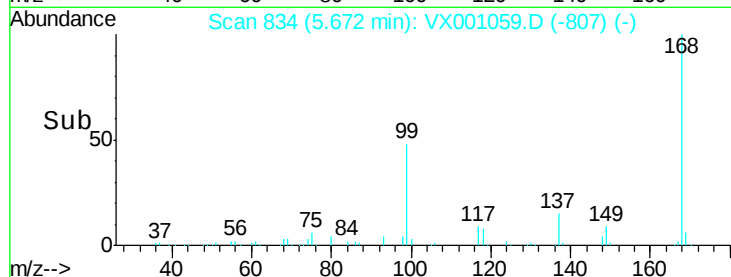
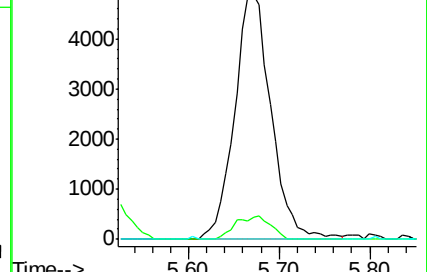
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX000996.D (-845) (-)

Ion 109.90 (109.60 to 110.60): VX000996.D (-845) (-)

Ion 76.90 (76.60 to 77.60): VX000996.D (-845) (-)



#38

Carbon Tetrachloride

Concen: 5.06 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

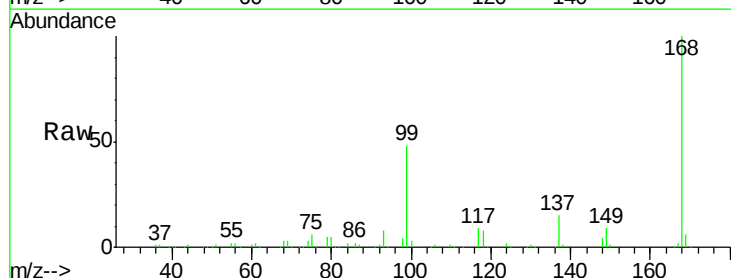
Tgt Ion: 117 Resp: 18468

Ion Ratio Lower Upper

117 100

119 5.2 76.5 114.7#

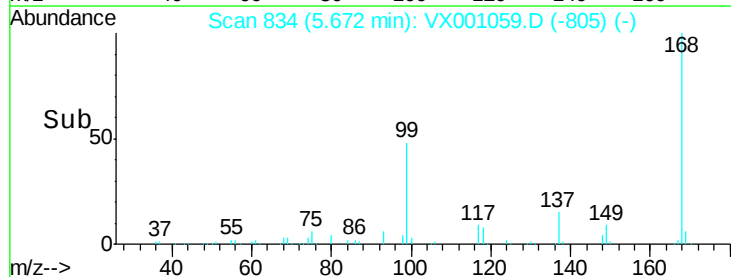
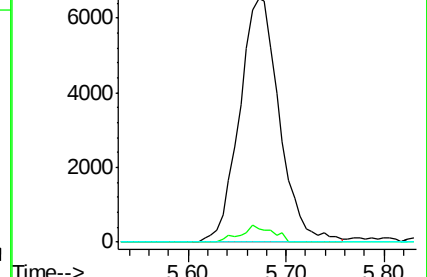
121 0.0 24.5 36.7#

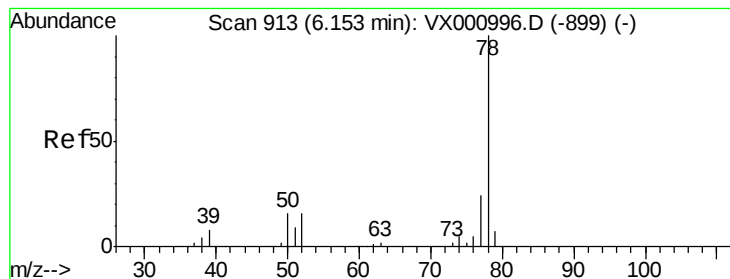


Abundance Ion 116.80 (116.50 to 117.50): VX000996.D (-843) (-)

Ion 118.80 (118.50 to 119.50): VX000996.D (-843) (-)

Ion 120.80 (120.50 to 121.50): VX000996.D (-843) (-)





#40

Benzene

Concen: 0.20 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

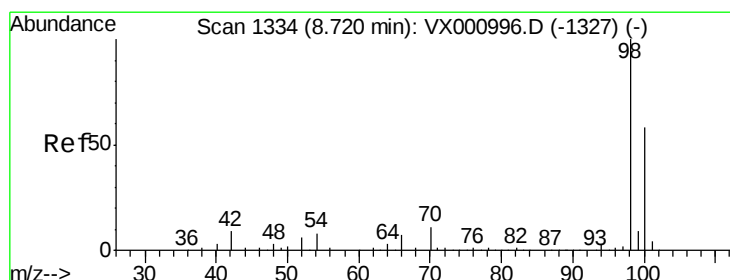
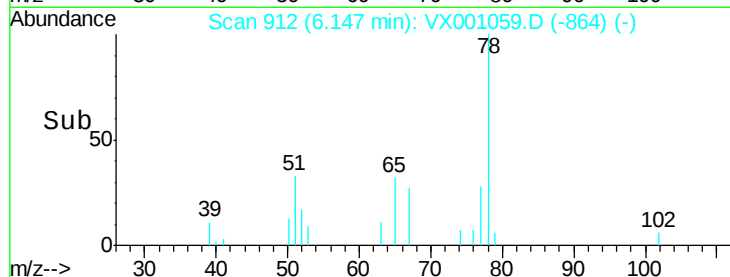
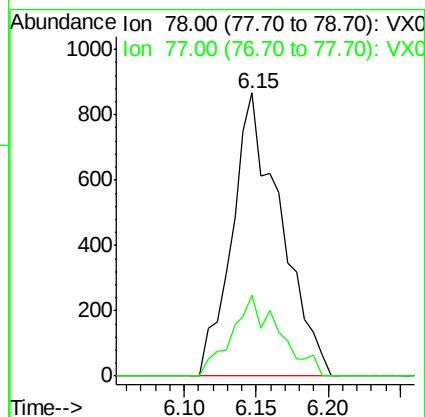
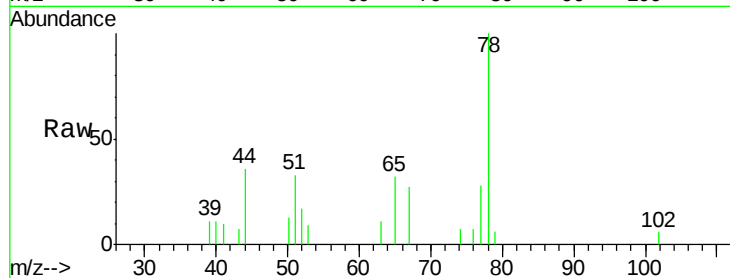
LF014RW132-180412

Tgt Ion: 78 Resp: 2036

Ion Ratio Lower Upper

78 100

77 28.5 18.9 28.3#



#50

Toluene-d8

Concen: 49.65 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001059.D

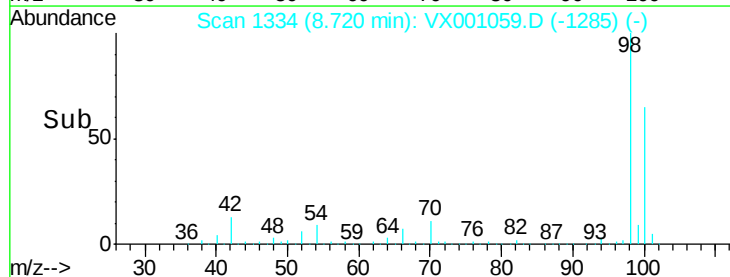
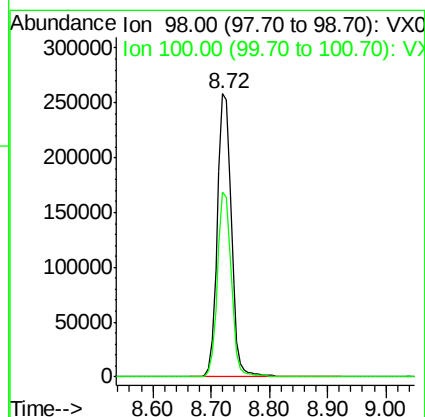
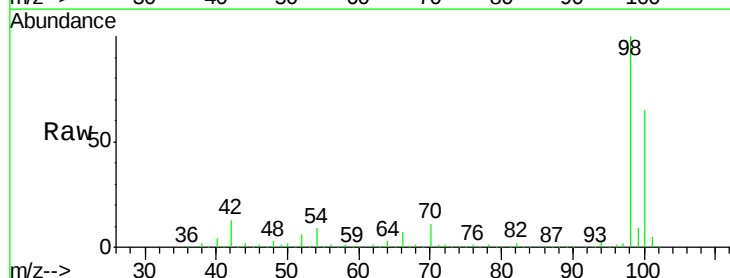
Acq: 23 Apr 2018 15:28

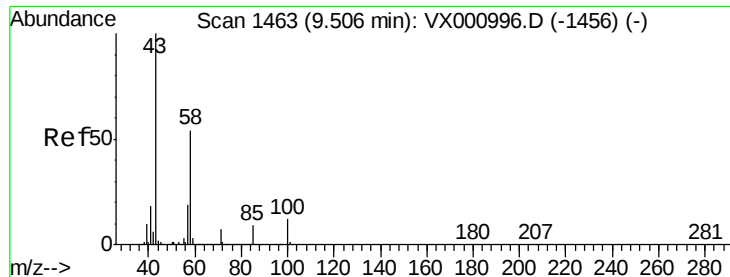
Tgt Ion: 98 Resp: 429504

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9

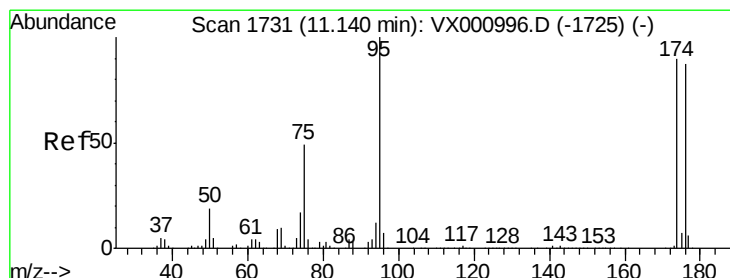
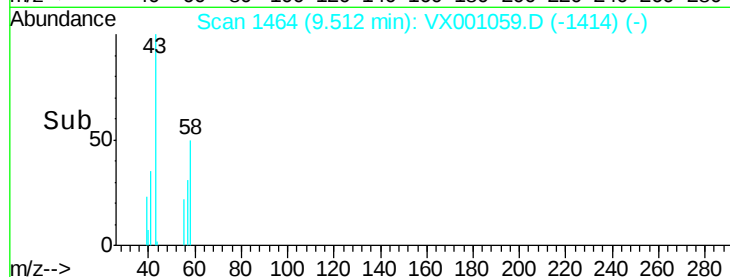
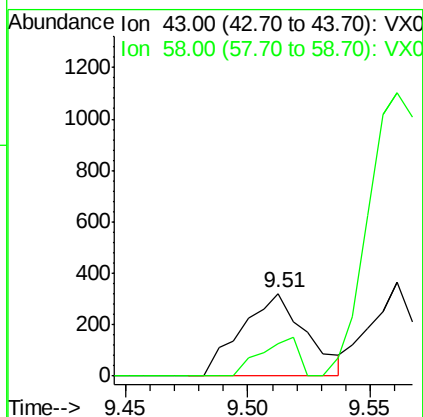
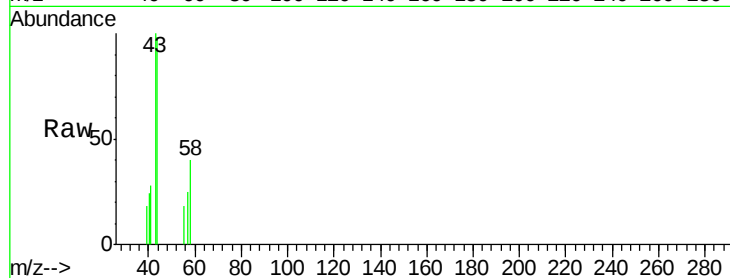




#59
2-Hexanone
Concen: 0.22 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VX001059.D
Acq: 23 Apr 2018 15:28

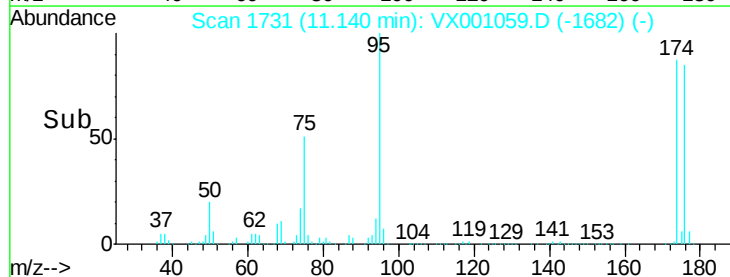
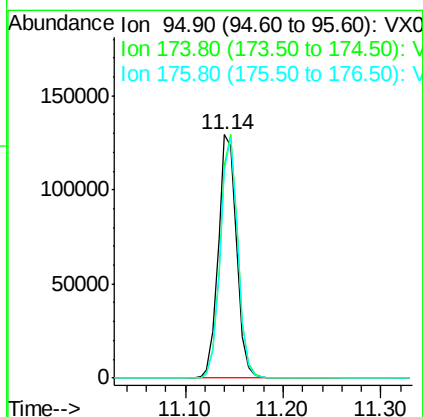
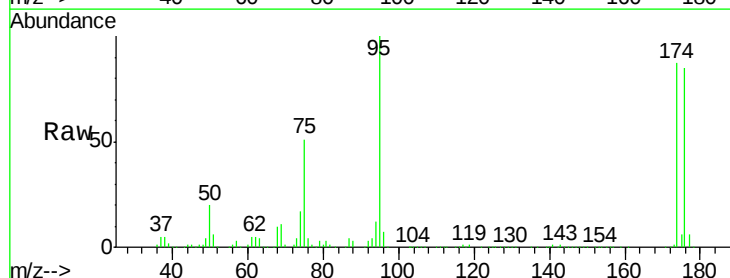
Instrument :
MSVOA_X
ClientSampleId :
LF014RW132-180412

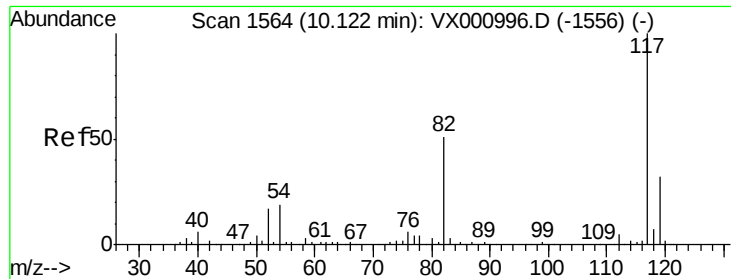
Tgt Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
58 27.2 26.3 78.9



#62
4-Bromofluorobenzene
Concen: 45.87 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001059.D
Acq: 23 Apr 2018 15:28

Tgt Ion: 95 Resp: 166509
Ion Ratio Lower Upper
95 100
174 96.5 0.0 198.4
176 94.6 0.0 192.0

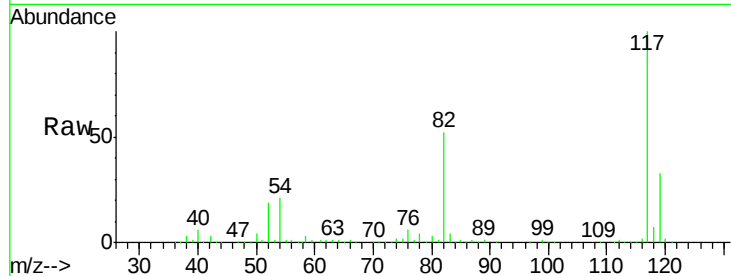




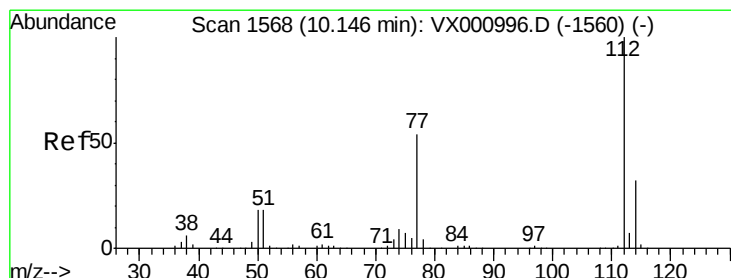
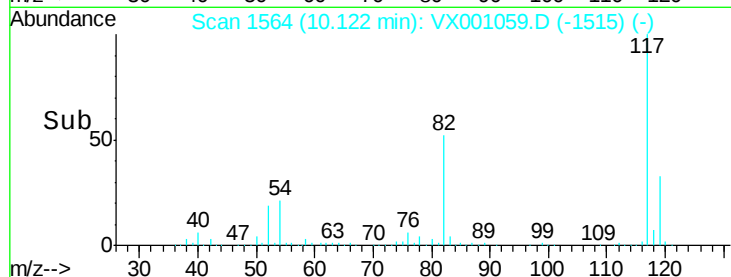
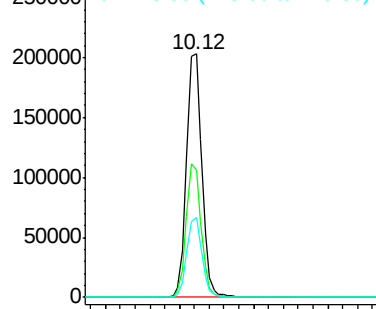
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001059.D
Acq: 23 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
LF014RW132-180412

Tgt Ion:117 Resp: 286793
Ion Ratio Lower Upper
117 100
82 52.1 40.6 60.8
119 32.6 26.0 39.0

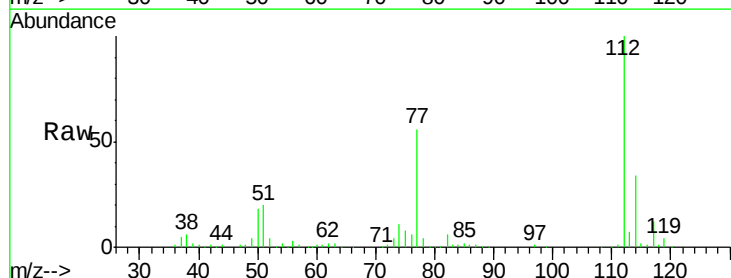


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

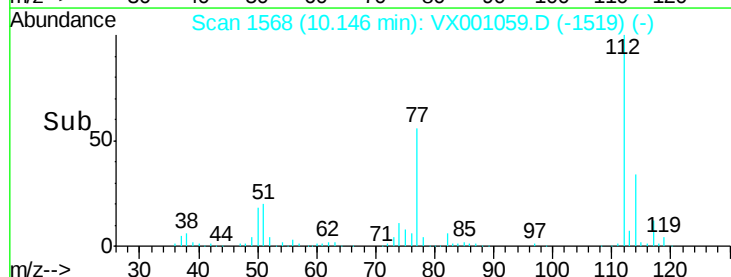
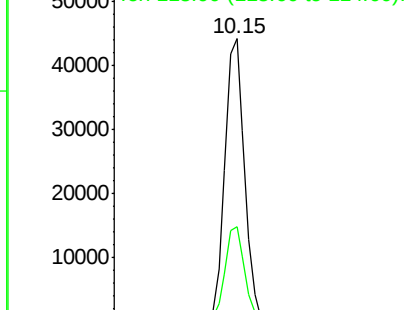


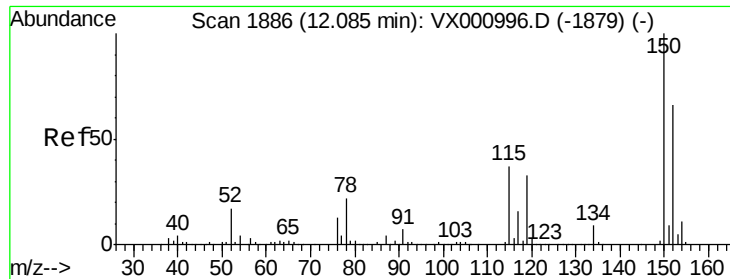
#65
Chlorobenzene
Concen: 8.15 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001059.D
Acq: 23 Apr 2018 15:28

Tgt Ion:112 Resp: 62201
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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

LF014RW132-180412

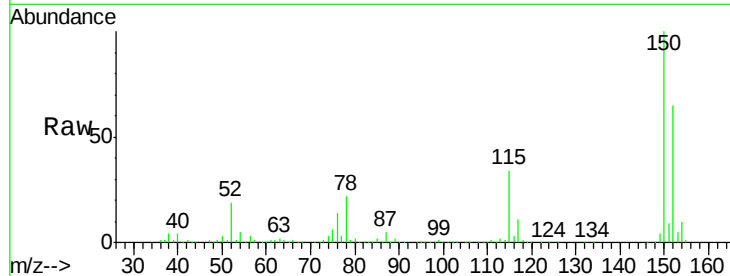
Tgt Ion:152 Resp: 185531

Ion Ratio Lower Upper

152 100

115 54.1 38.2 114.6

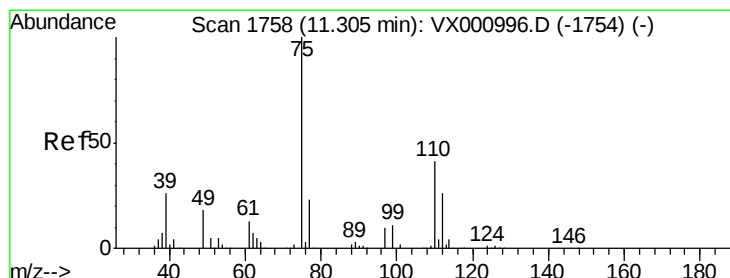
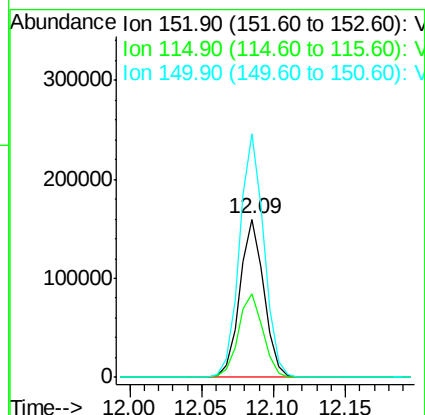
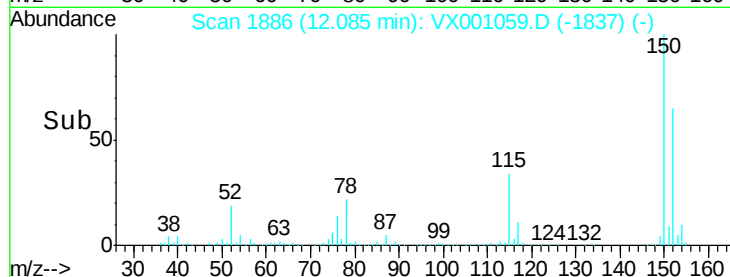
150 156.5 0.0 350.4



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: 26.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001059.D

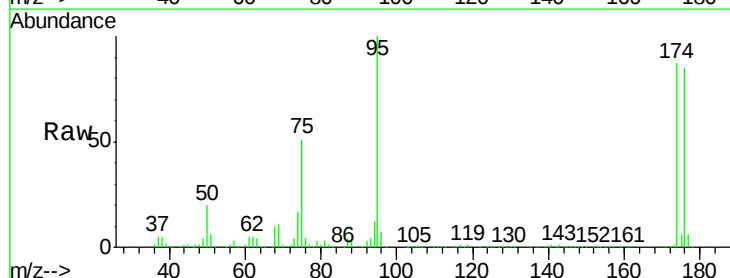
Acq: 23 Apr 2018 15:28

Tgt Ion: 75 Resp: 83718

Ion Ratio Lower Upper

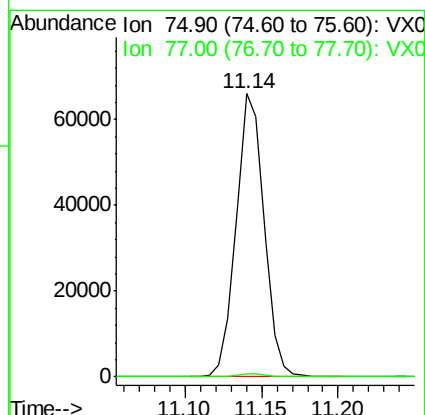
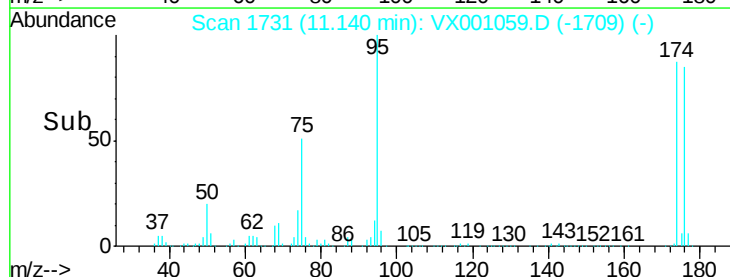
75 100

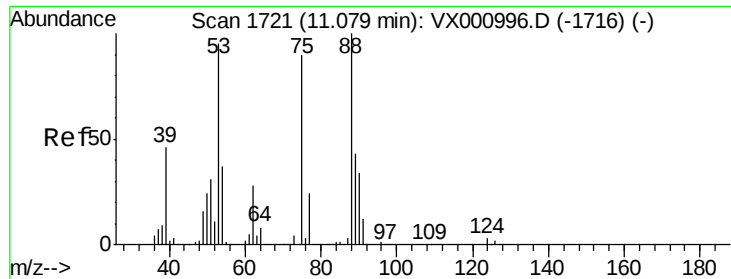
77 1.2 19.6 58.7#



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: 77.88 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001059.D

Acq: 23 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

LF014RW132-180412

Tgt Ion: 75 Resp: 83718

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#

