

Data File : VX001083.D

Acq On : 24 Apr 2018 18:03

Operator : JC/MD

Sample : J2377-14

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

LF014RW132-180412

Quant Time: Apr 25 07:19:56 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	240471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	337969	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	167489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	172698	56.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.30%	
35) Dibromofluoromethane	5.51	113	132990	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	8.72	98	503595	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	11.14	95	175804	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	

Target Compounds

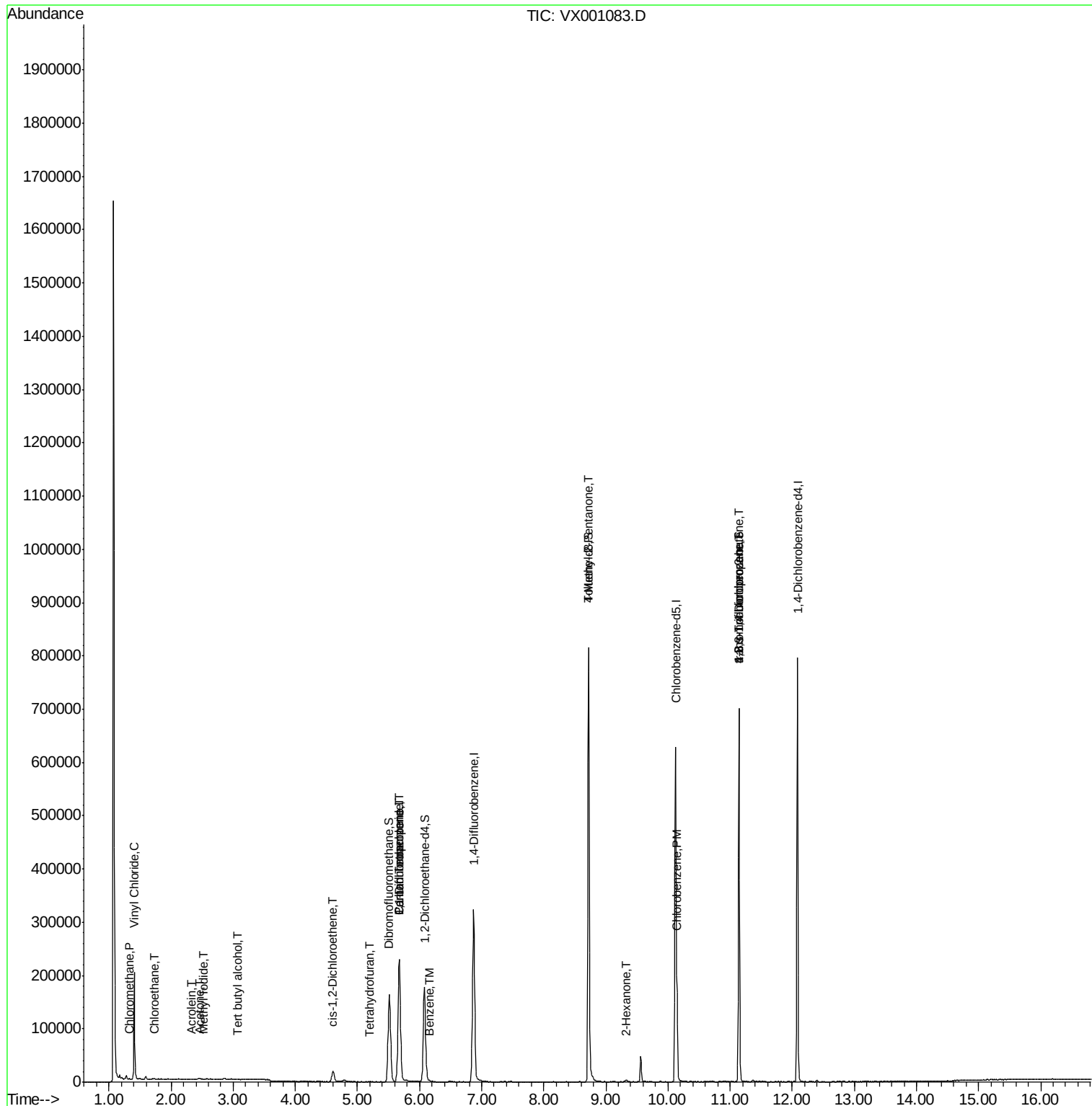
						Qvalue
3) Chloromethane	1.32	50	649	0.23	ug/l	92
4) Vinyl Chloride	1.40	62	125011	43.43	ug/l	99
5) Bromomethane	1.62	94	56	Below	Cal #	2
6) Chloroethane	1.73	64	1505	0.88	ug/l #	77
10) Methyl Iodide	2.53	142	162	7.65	ug/l #	41
11) Tert butyl alcohol	3.07	59	420	0.91	ug/l	98
13) Acrolein	2.33	56	362	13.35	ug/l #	14
16) Acetone	2.45	43	2136	1.86	ug/l	99
20) Methylene Chloride	2.86	84	773	Below	Cal #	88
27) cis-1,2-Dichloroethene	4.60	96	12710	4.37	ug/l	87
29) Tetrahydrofuran	5.20	42	254	0.22	ug/l #	34
36) 1,1-Dichloropropene	5.68	75	15876	4.00	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20875	5.19	ug/l #	16
40) Benzene	6.16	78	2306	0.21	ug/l	92
51) 4-Methyl-2-Pentanone	8.72	43	2432	0.64	ug/l #	1
59) 2-Hexanone	9.32	43	1078	0.37	ug/l	84
65) Chlorobenzene	10.15	112	70438	8.86	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	88891	30.59	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	88891	91.02	ug/l #	8

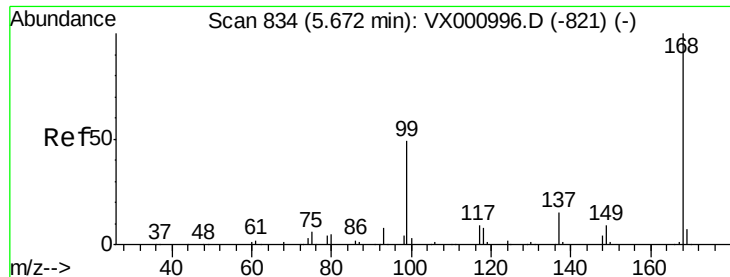
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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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: VX001083.D

Acq: 24 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

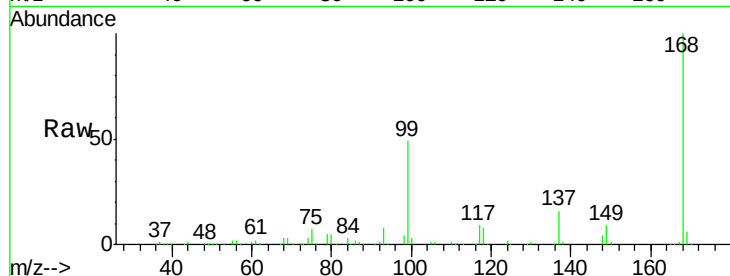
LF014RW132-180412

Tgt Ion:168 Resp: 240471

Ion Ratio Lower Upper

168 100

99 49.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

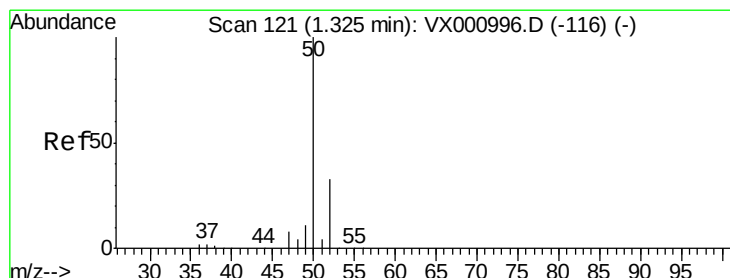
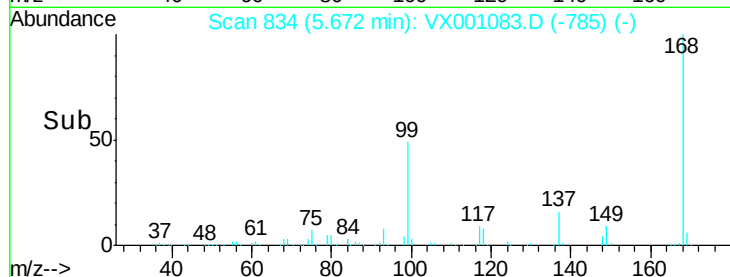
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001083.D

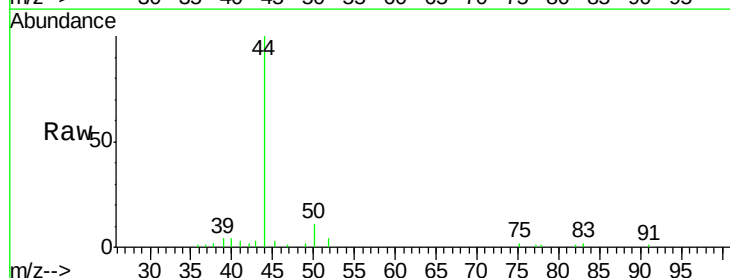
Acq: 24 Apr 2018 18:03

Tgt Ion: 50 Resp: 649

Ion Ratio Lower Upper

50 100

52 37.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

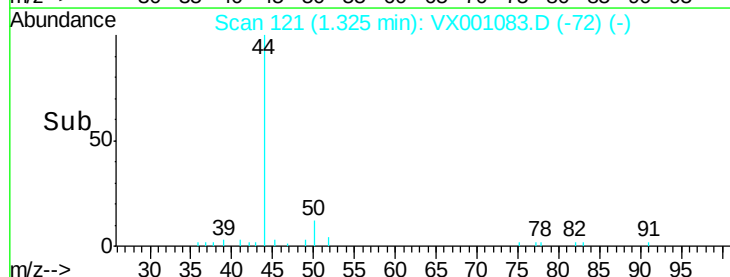
200

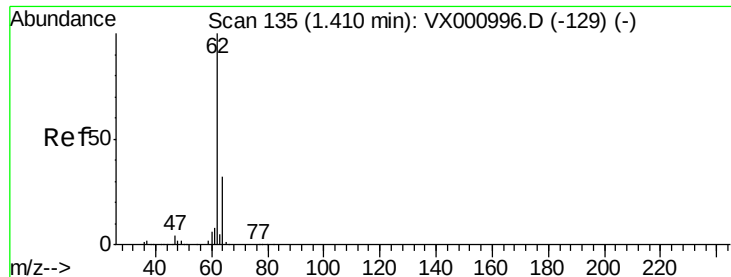
100

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 43.43 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001083.D

Acq: 24 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

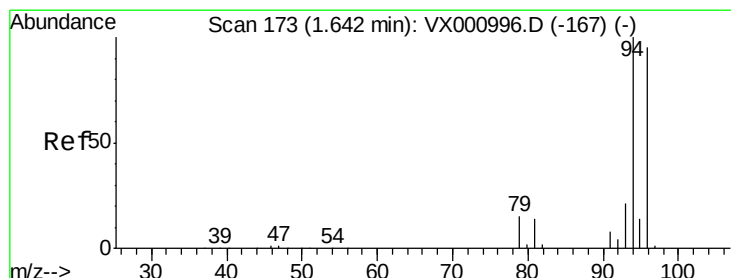
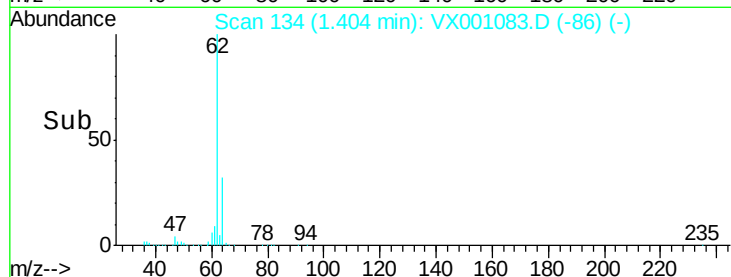
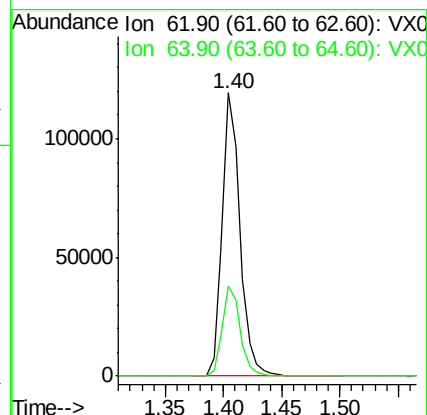
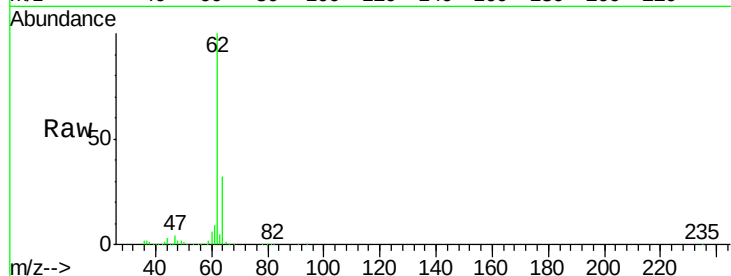
LF014RW132-180412

Tgt Ion: 62 Resp: 125011

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX001083.D

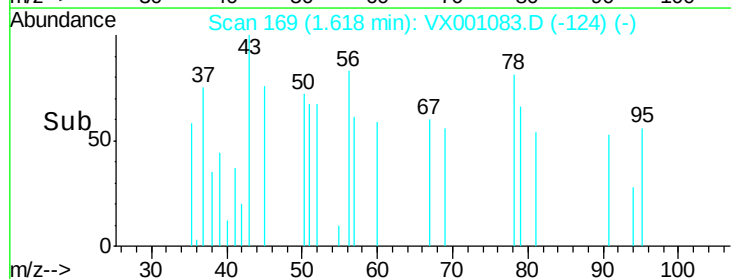
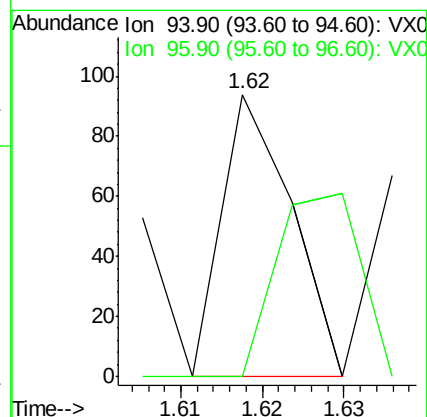
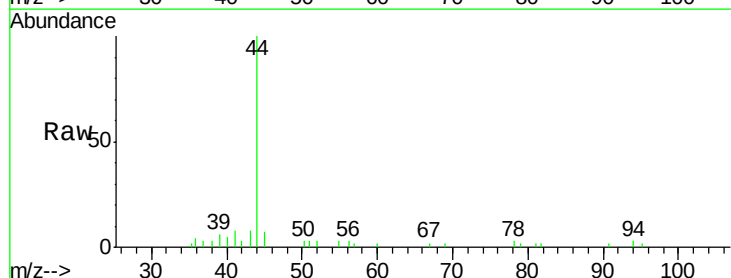
Acq: 24 Apr 2018 18:03

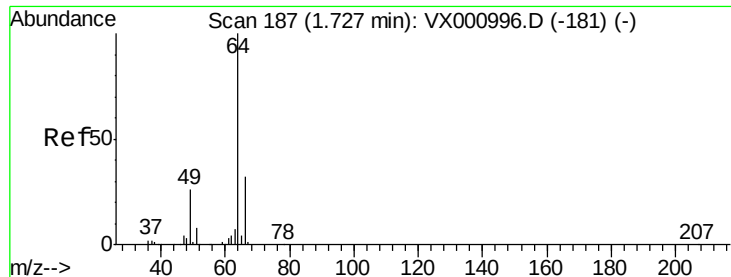
Tgt Ion: 94 Resp: 56

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#





#6

Chloroethane

Concen: 0.88 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001083.D

Acq: 24 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

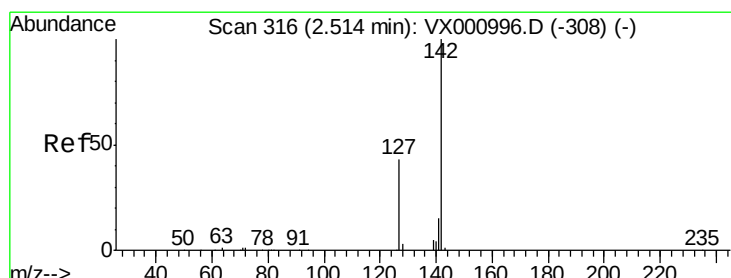
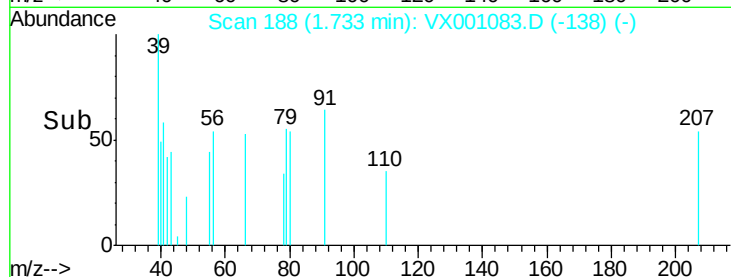
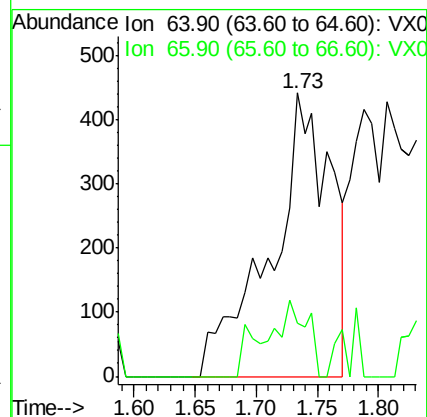
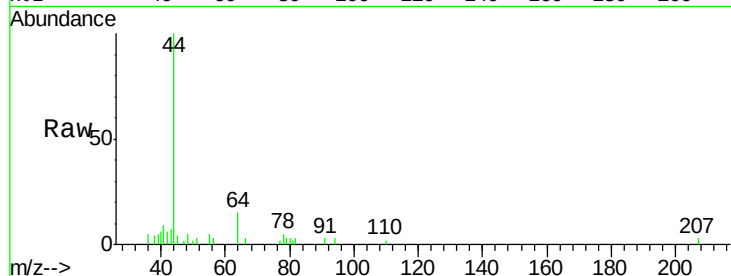
LF014RW132-180412

Tgt Ion: 64 Resp: 1505

Ion Ratio Lower Upper

64 100

66 18.8 25.3 37.9#



#10

Methyl Iodide

Concen: 7.65 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001083.D

Acq: 24 Apr 2018 18:03

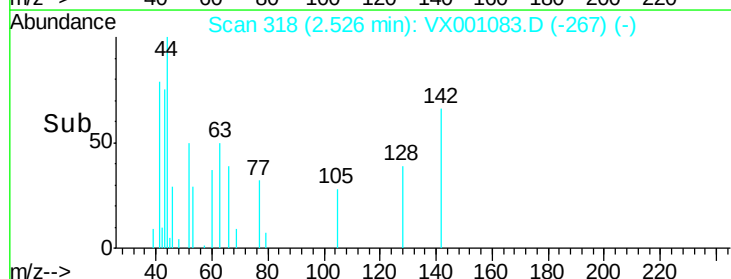
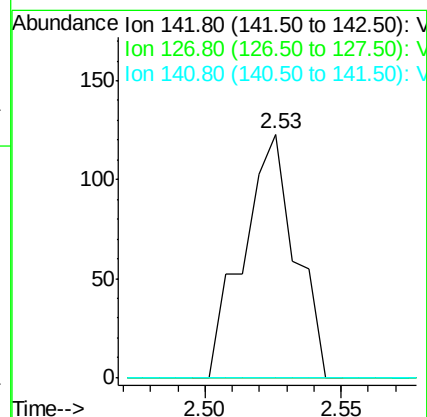
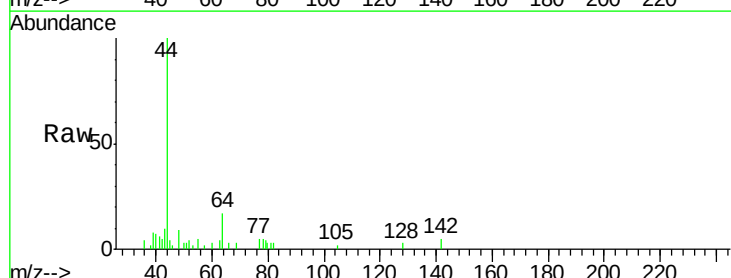
Tgt Ion: 142 Resp: 162

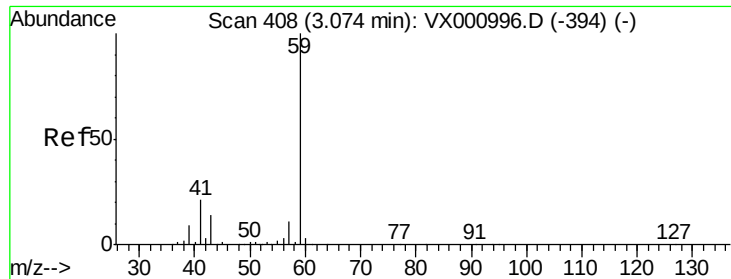
Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

141 0.0 11.4 17.2#

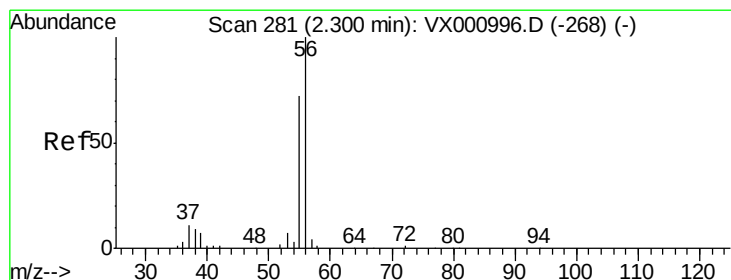
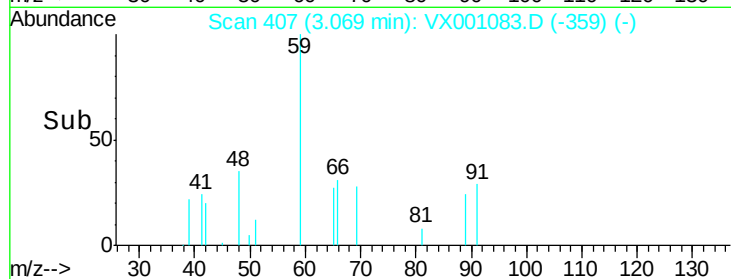
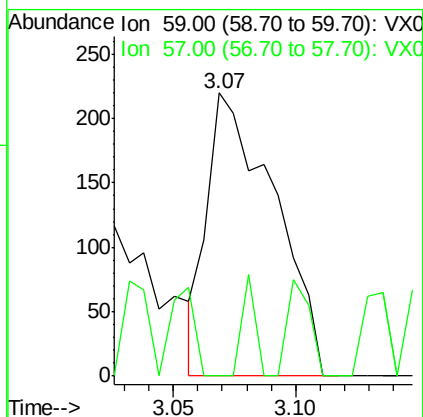
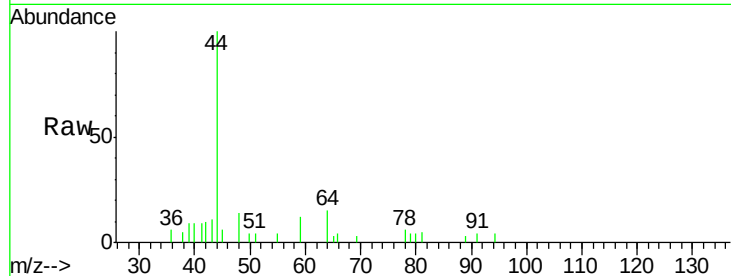




#11
Tert butyl alcohol
Concen: 0.91 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001083.D
Acq: 24 Apr 2018 18:03

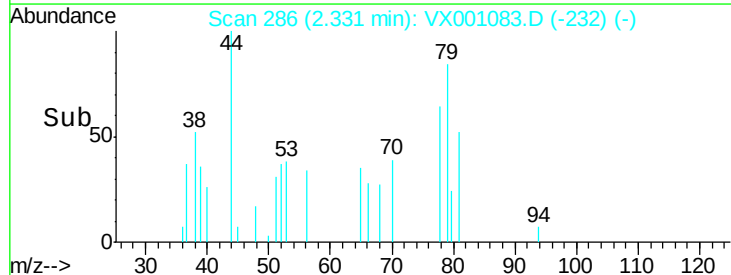
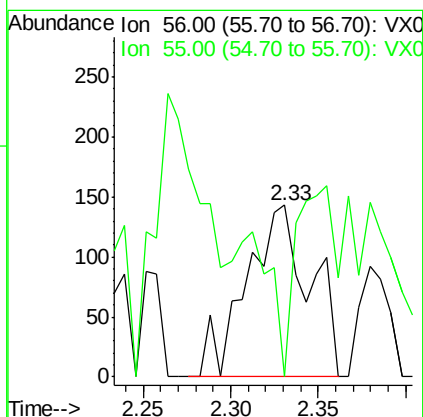
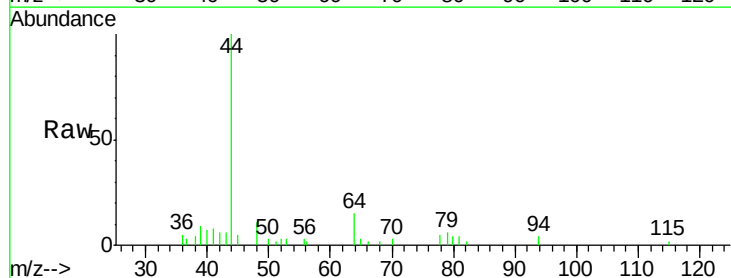
Instrument :
MSVOA_X
ClientSampleId :
LF014RW132-180412

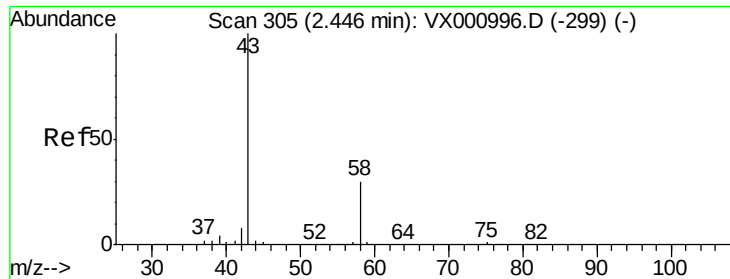
Tgt Ion: 59 Resp: 420
Ion Ratio Lower Upper
59 100
57 11.2 8.3 12.5



#13
Acrolein
Concen: 13.35 ug/l
RT: 2.33 min Scan# 286
Delta R.T. 0.03 min
Lab File: VX001083.D
Acq: 24 Apr 2018 18:03

Tgt Ion: 56 Resp: 362
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.2#





#16

Acetone

Concen: 1.86 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001083.D

Acq: 24 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

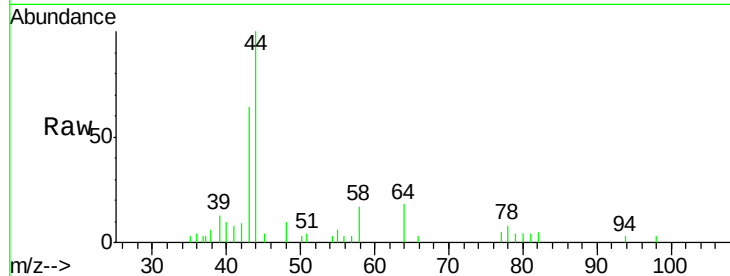
LF014RW132-180412

Tgt Ion: 43 Resp: 2136

Ion Ratio Lower Upper

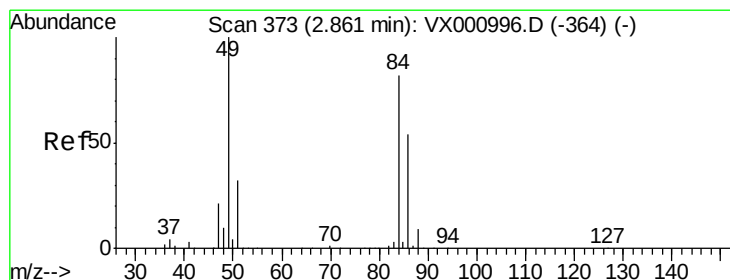
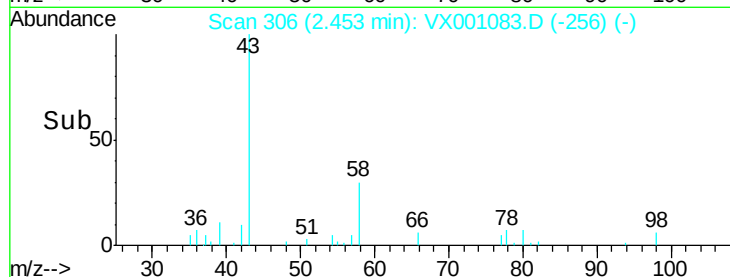
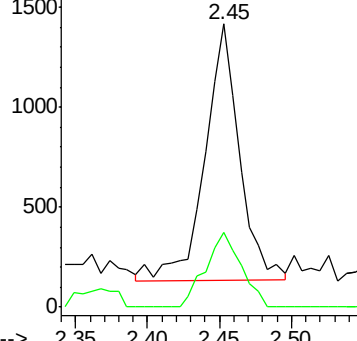
43 100

58 30.0 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: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001083.D

Acq: 24 Apr 2018 18:03

Tgt Ion: 84 Resp: 773

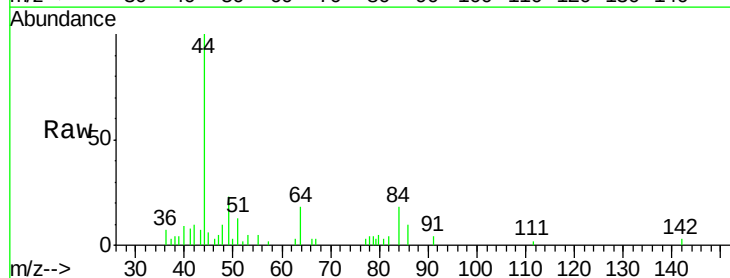
Ion Ratio Lower Upper

84 100

49 130.1 97.1 145.7

51 52.4 30.8 46.2#

86 54.8 52.3 78.5

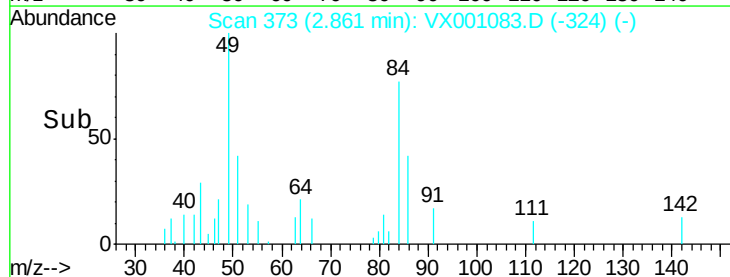
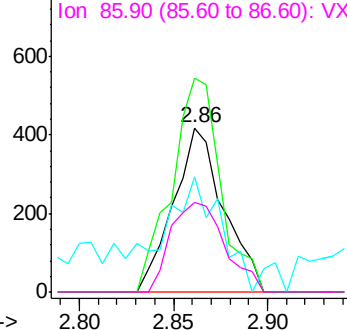


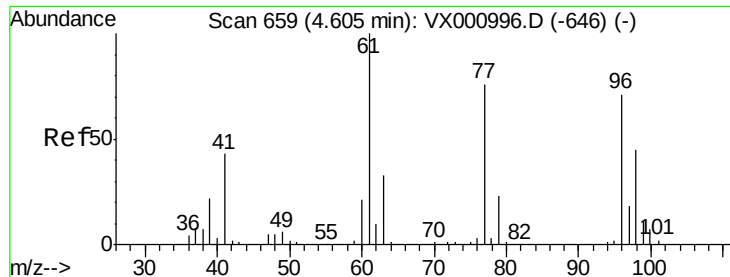
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 4.37 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001083.D

Acq: 24 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

LF014RW132-180412

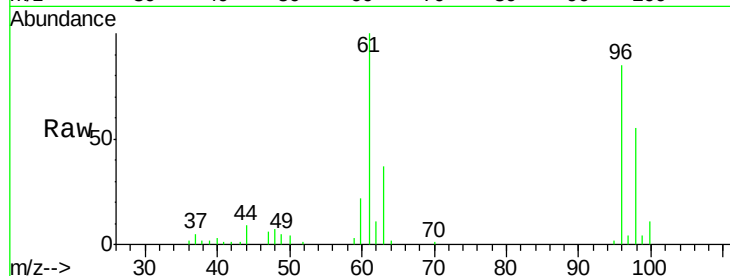
Tgt Ion: 96 Resp: 12710

Ion Ratio Lower Upper

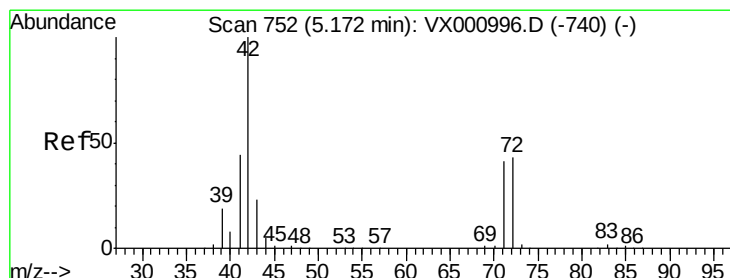
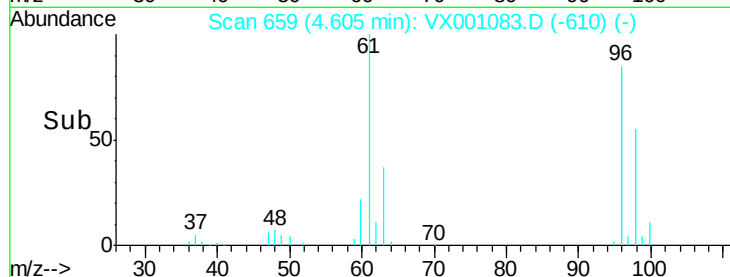
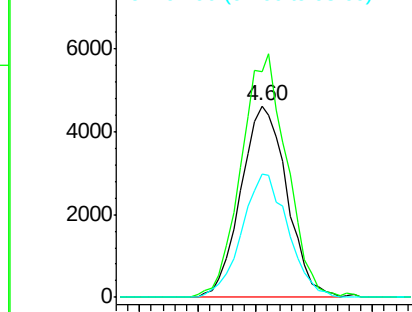
96 100

61 126.0 0.0 297.0

98 64.7 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: 0.22 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001083.D

Acq: 24 Apr 2018 18:03

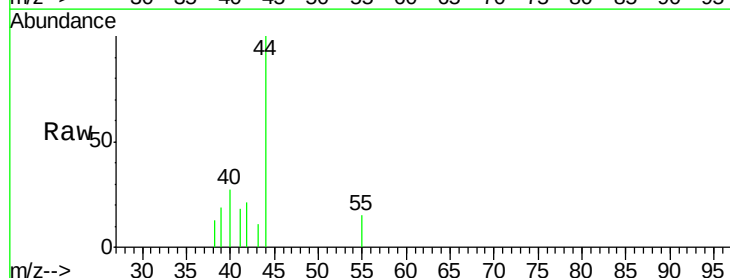
Tgt Ion: 42 Resp: 254

Ion Ratio Lower Upper

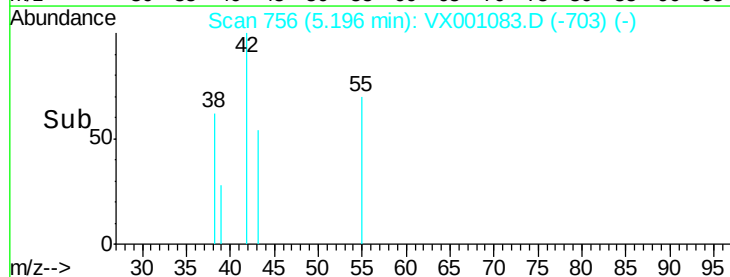
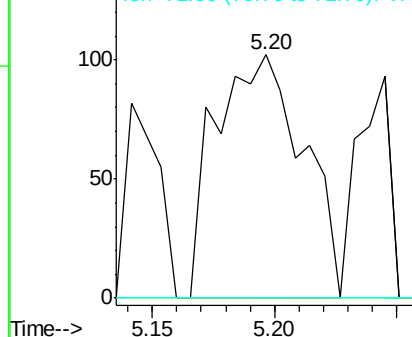
42 100

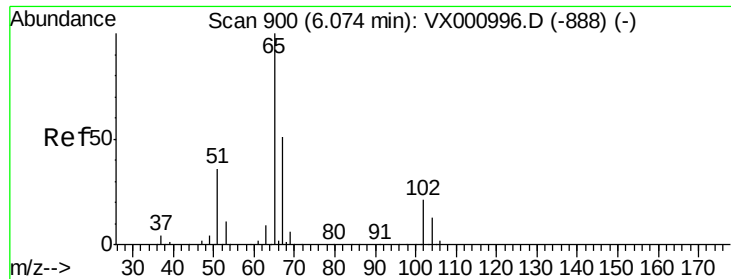
72 0.0 34.6 52.0#

71 0.0 32.6 49.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

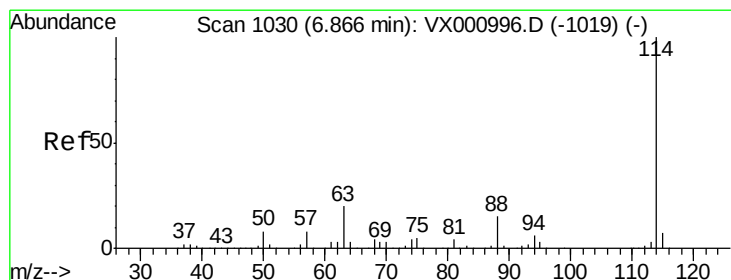
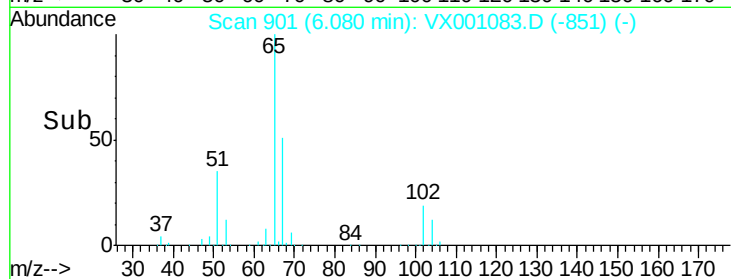
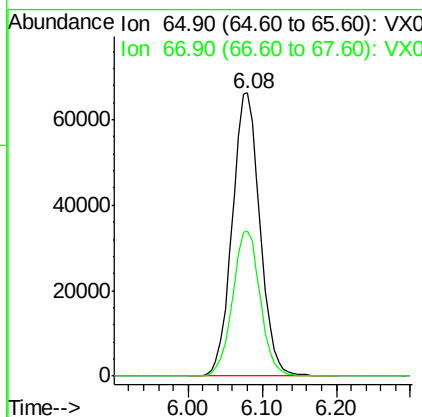
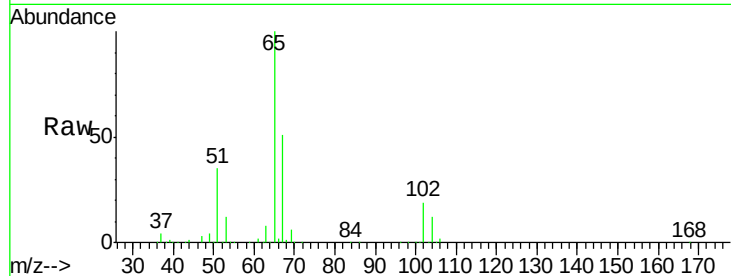




#33
 1,2-Dichloroethane-d4
 Concen: 56.65 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001083.D
 Acq: 24 Apr 2018 18:03

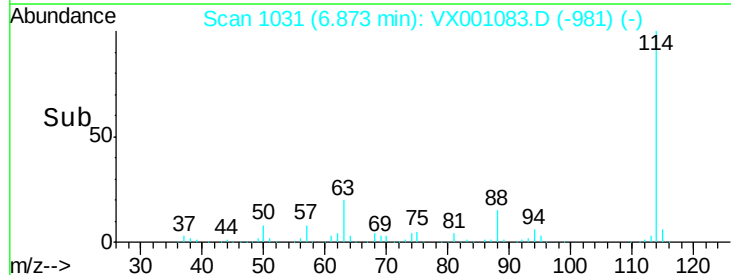
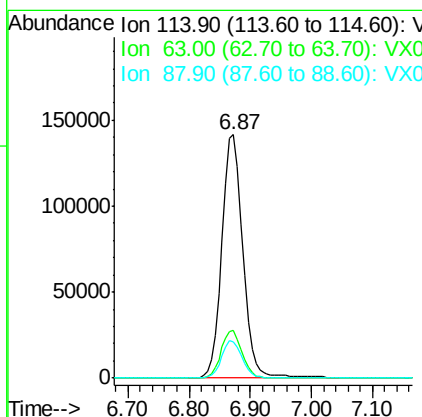
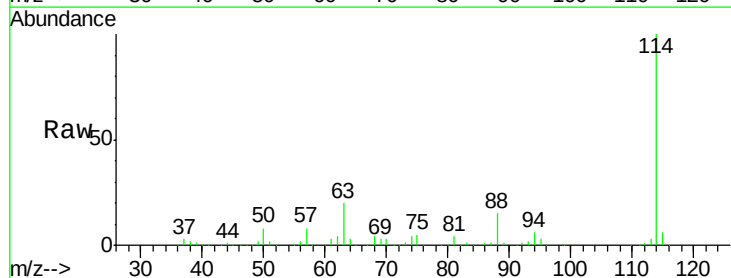
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW132-180412

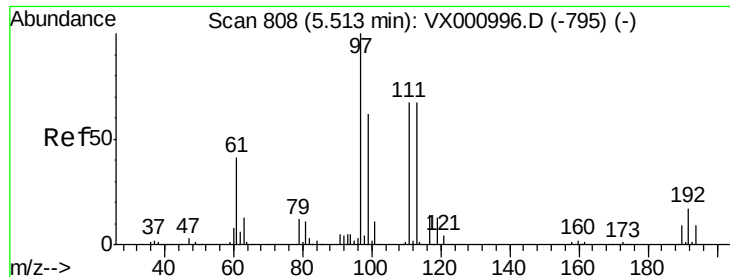
Tgt Ion: 65 Resp: 172698
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001083.D
 Acq: 24 Apr 2018 18:03

Tgt Ion: 114 Resp: 337969
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 15.0 0.0 29.8

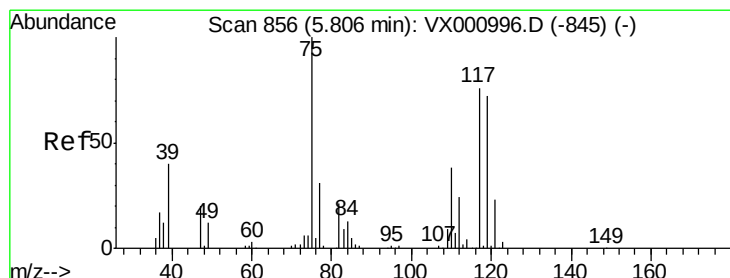
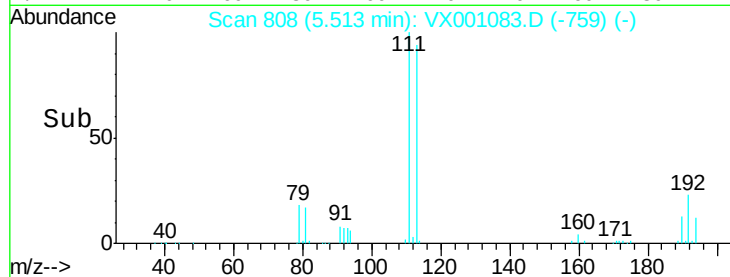
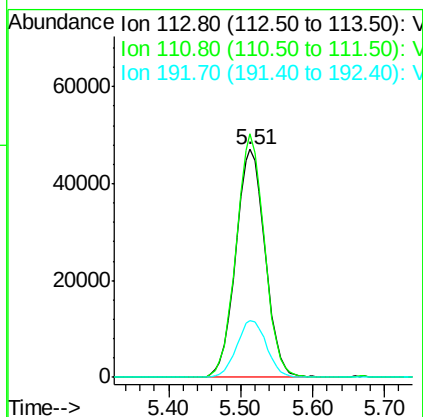
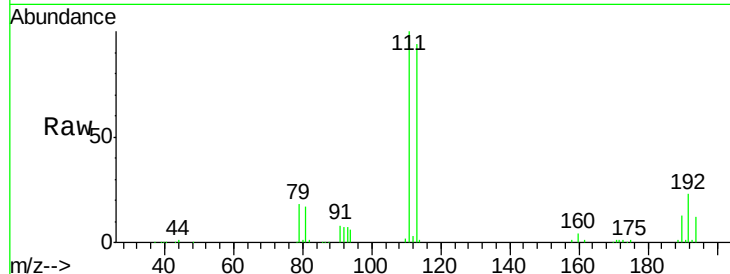




#35
 Dibromofluoromethane
 Concen: 51.60 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001083.D
 Acq: 24 Apr 2018 18:03

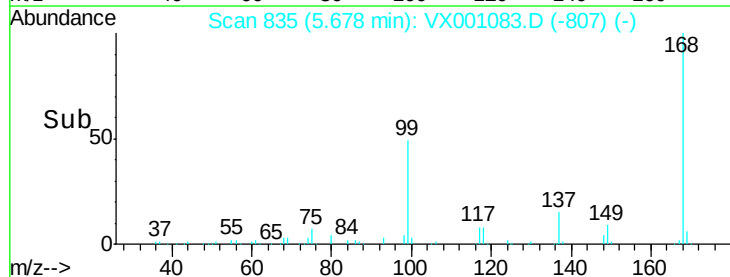
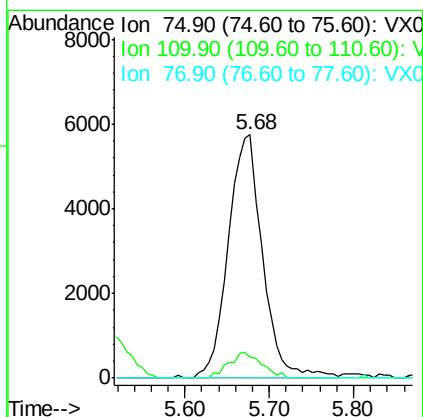
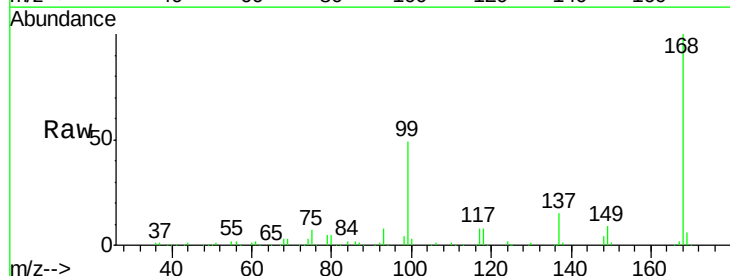
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW132-180412

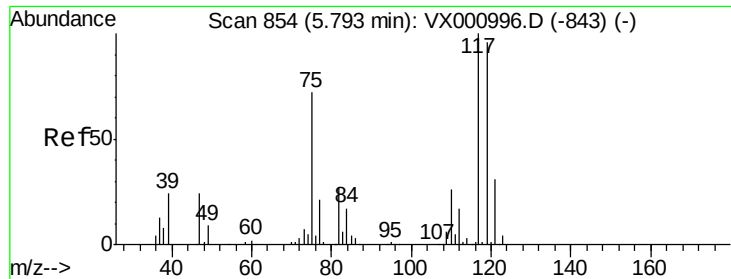
Tgt Ion:113 Resp: 132990
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.2
 192 25.3 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX001083.D
 Acq: 24 Apr 2018 18:03

Tgt Ion: 75 Resp: 15876
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.7 56.1#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.19 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001083.D

Acq: 24 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

LF014RW132-180412

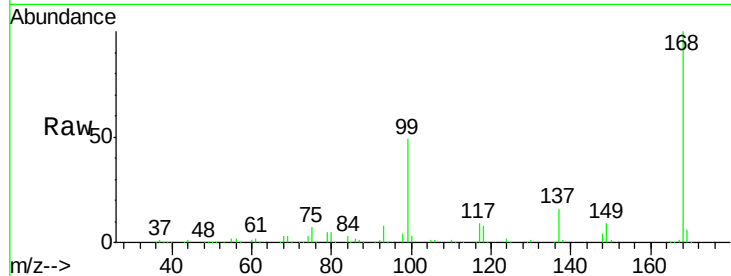
Tgt Ion:117 Resp: 20875

Ion Ratio Lower Upper

117 100

119 4.5 76.5 114.7#

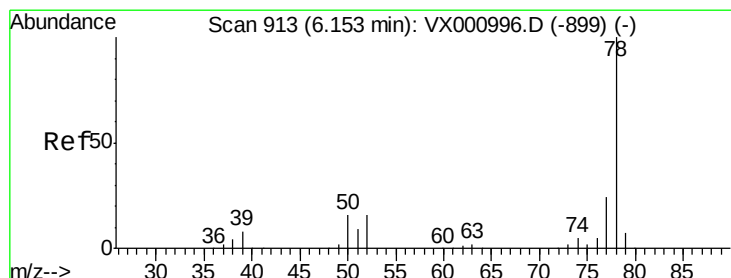
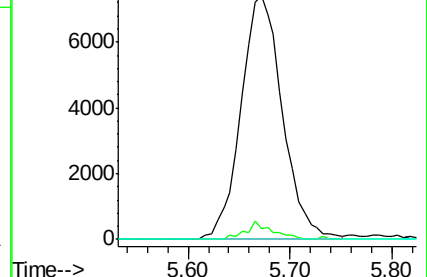
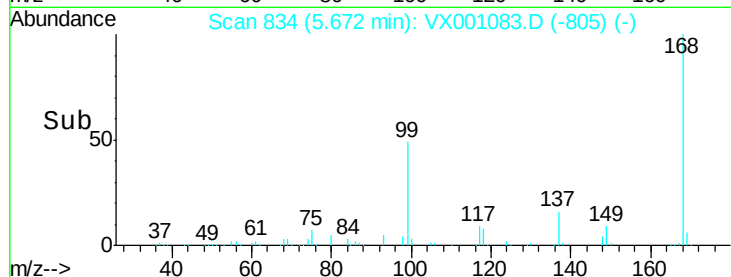
121 0.0 24.5 36.7#



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



#40

Benzene

Concen: 0.21 ug/l

RT: 6.16 min Scan# 914

Delta R.T. 0.01 min

Lab File: VX001083.D

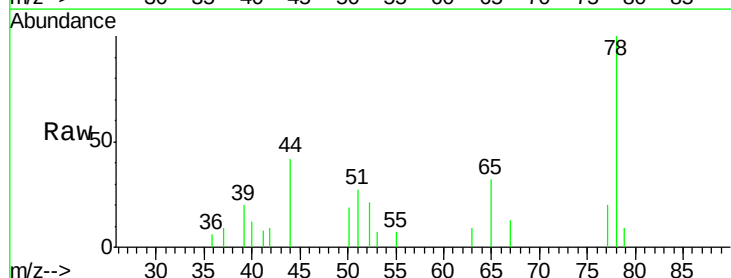
Acq: 24 Apr 2018 18:03

Tgt Ion: 78 Resp: 2306

Ion Ratio Lower Upper

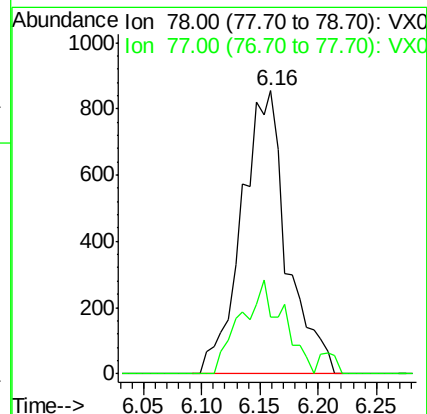
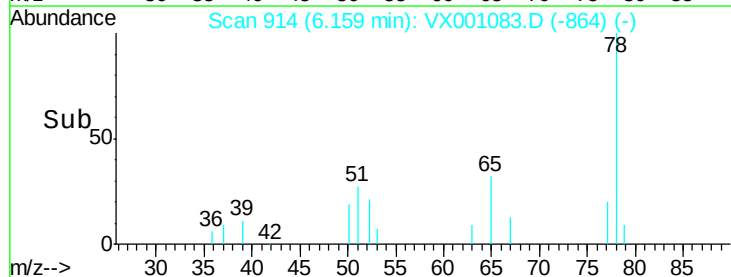
78 100

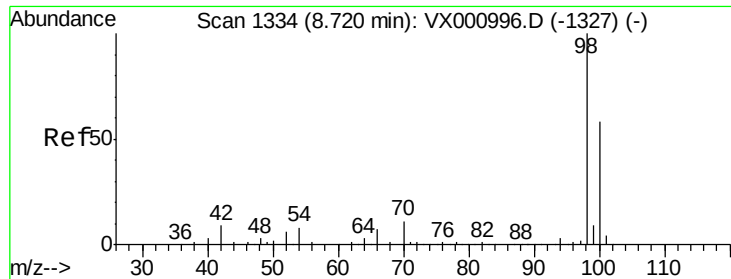
77 19.9 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

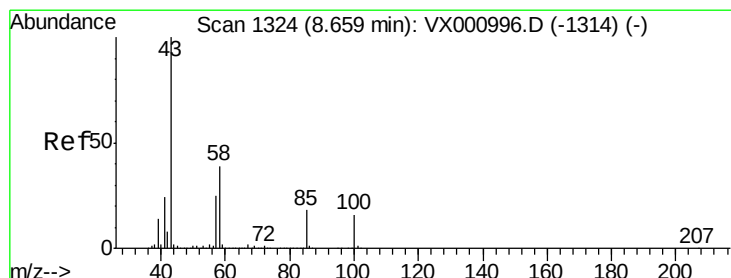
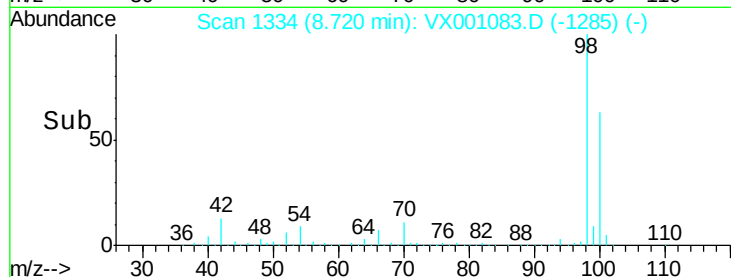
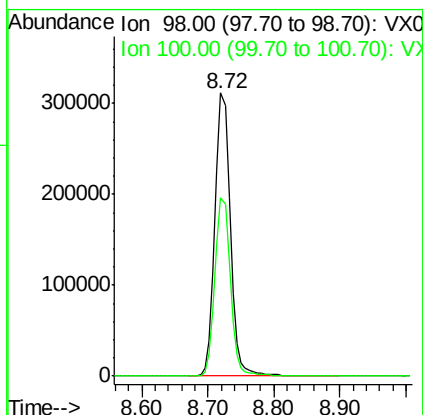
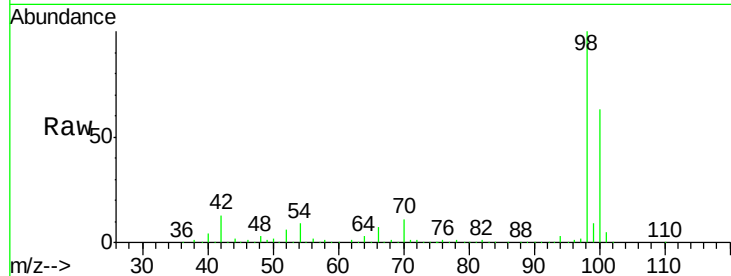




#50
Toluene-d8
Concen: 52.85 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001083.D
Acq: 24 Apr 2018 18:03

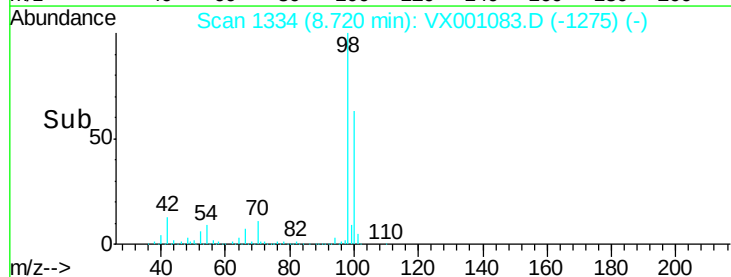
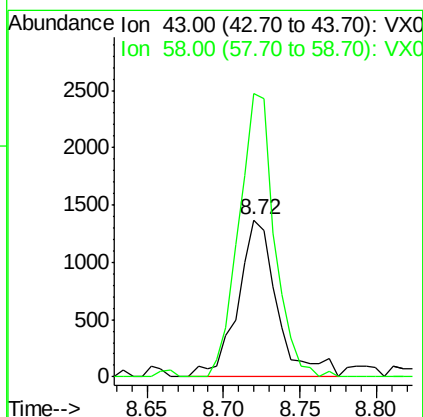
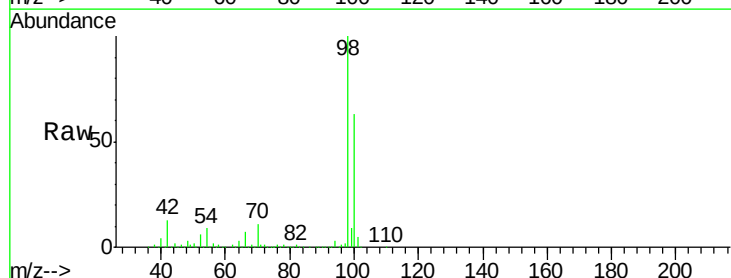
Instrument :
MSVOA_X
ClientSampleId :
LF014RW132-180412

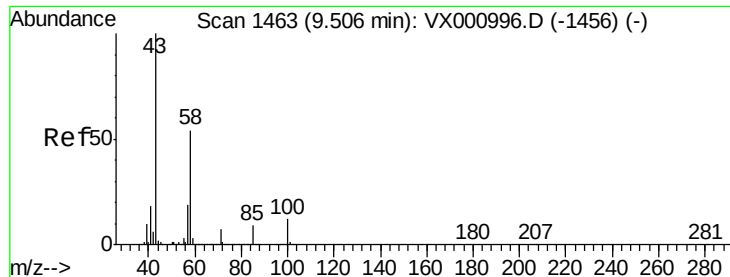
Tgt Ion: 98 Resp: 503595
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.64 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001083.D
Acq: 24 Apr 2018 18:03

Tgt Ion: 43 Resp: 2432
Ion Ratio Lower Upper
43 100
58 164.5 30.2 45.4#

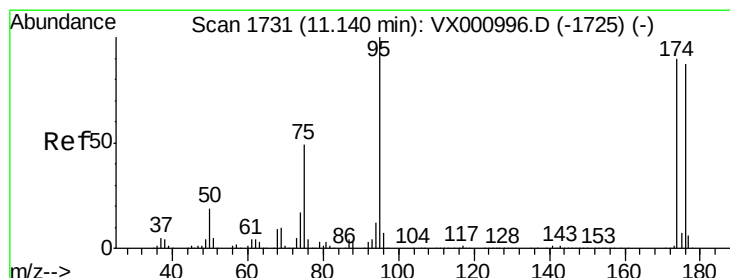
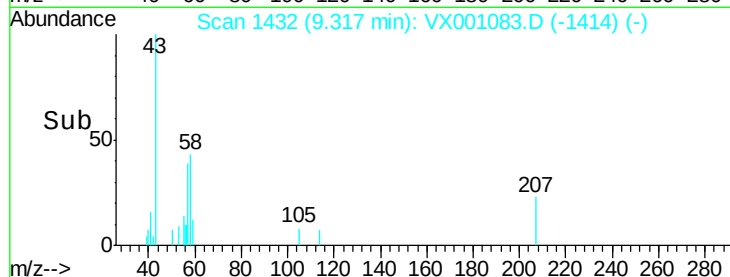
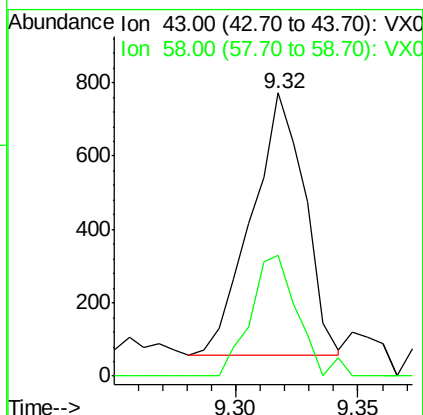
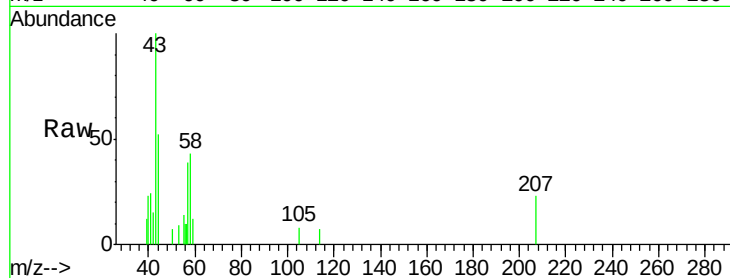




#59
2-Hexanone
Concen: 0.37 ug/l
RT: 9.32 min Scan# 1432
Delta R.T. -0.19 min
Lab File: VX001083.D
Acq: 24 Apr 2018 18:03

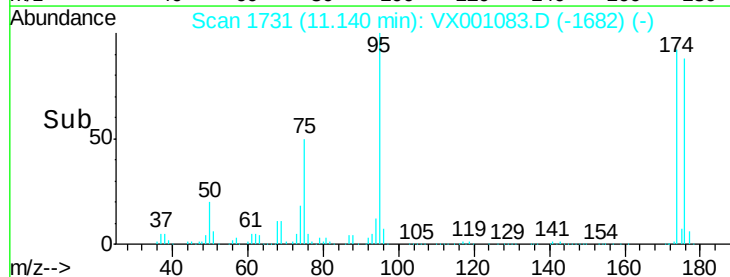
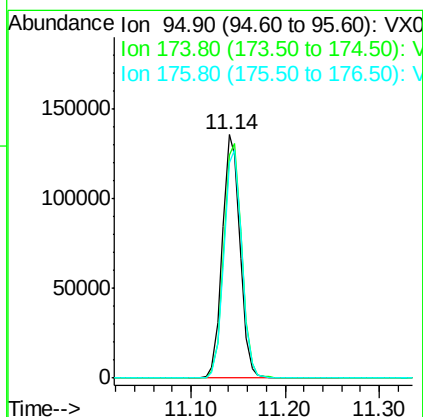
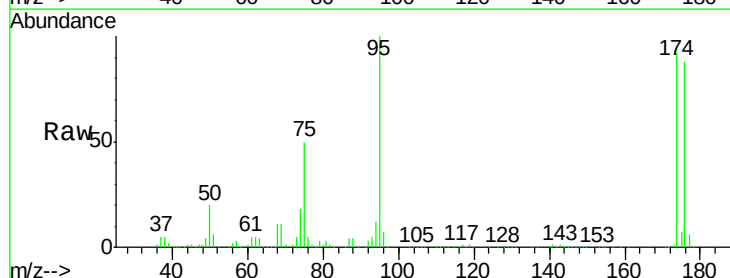
Instrument :
MSVOA_X
ClientSampleId :
LF014RW132-180412

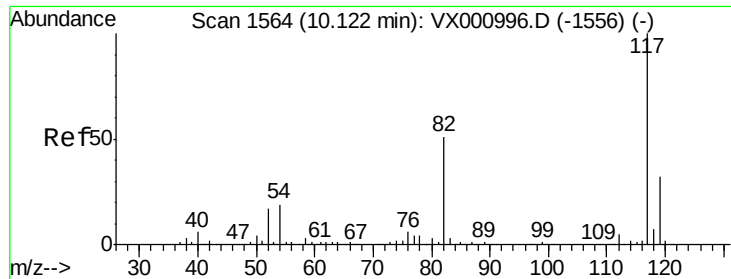
Tgt Ion: 43 Resp: 1078
Ion Ratio Lower Upper
43 100
58 41.4 26.3 78.9



#62
4-Bromofluorobenzene
Concen: 43.96 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001083.D
Acq: 24 Apr 2018 18:03

Tgt Ion: 95 Resp: 175804
Ion Ratio Lower Upper
95 100
174 97.7 0.0 198.4
176 94.8 0.0 192.0

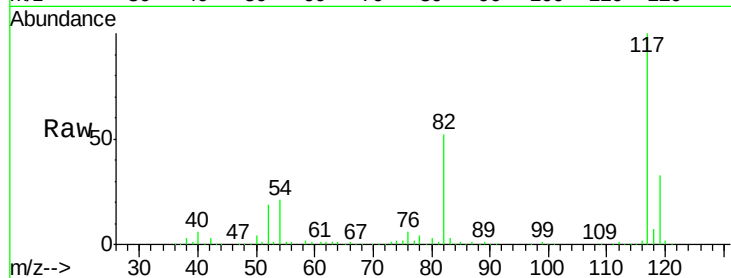




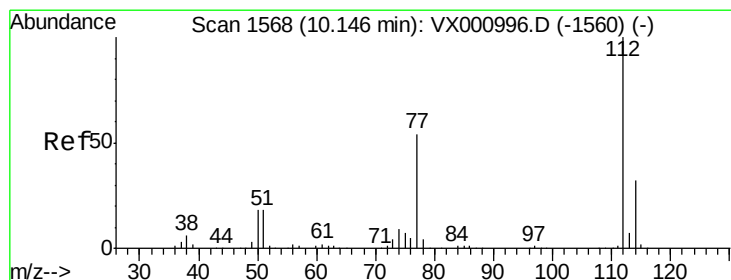
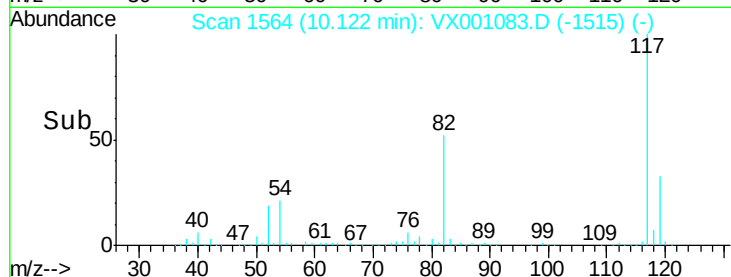
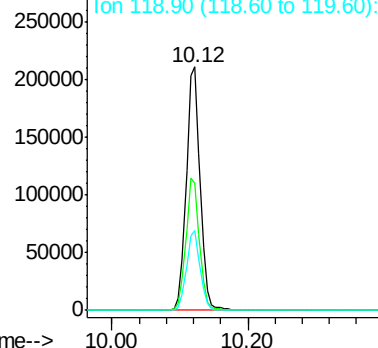
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001083.D
Acq: 24 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
LF014RW132-180412

Tgt Ion:117 Resp: 298412
Ion Ratio Lower Upper
117 100
82 52.2 40.6 60.8
119 32.9 26.0 39.0

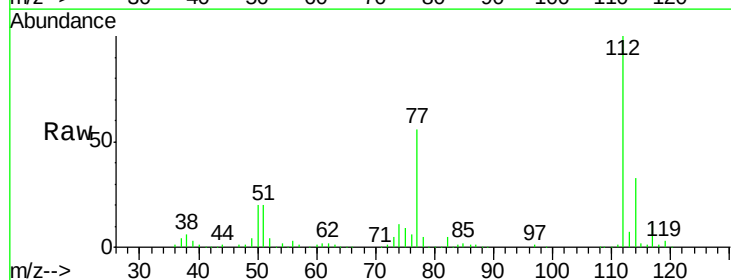


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

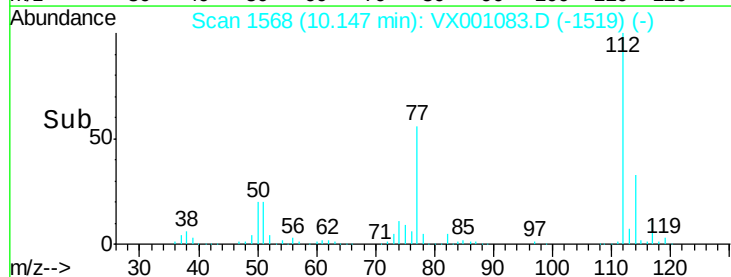
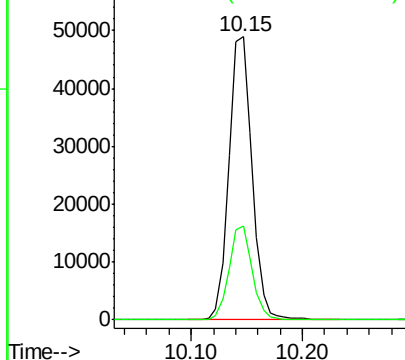


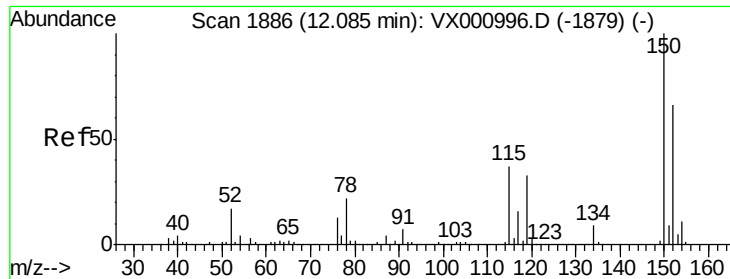
#65
Chlorobenzene
Concen: 8.86 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001083.D
Acq: 24 Apr 2018 18:03

Tgt Ion:112 Resp: 70438
Ion Ratio Lower Upper
112 100
114 33.1 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: VX001083.D

Acq: 24 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

LF014RW132-180412

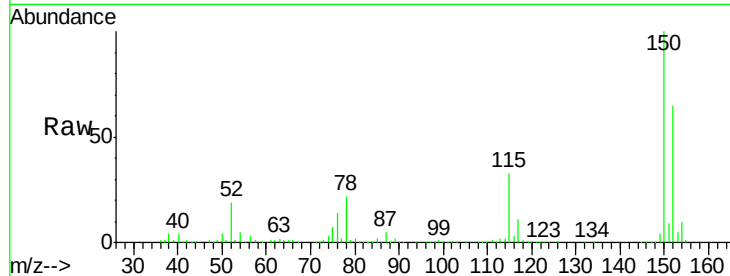
Tgt Ion:152 Resp: 167489

Ion Ratio Lower Upper

152 100

115 53.2 38.2 114.6

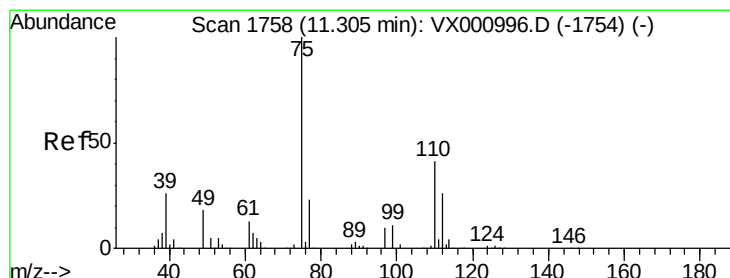
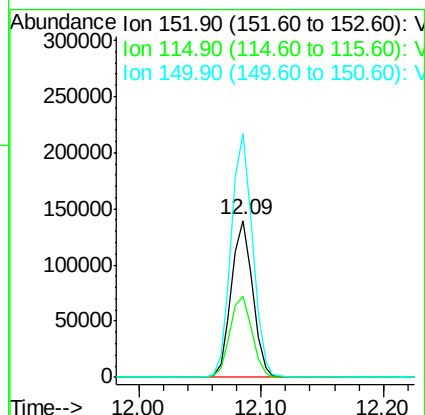
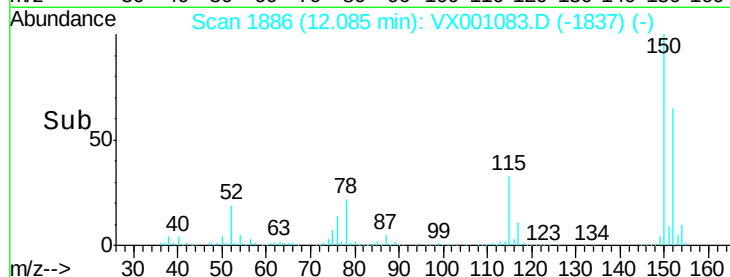
150 156.1 0.0 350.4



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: 30.59 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001083.D

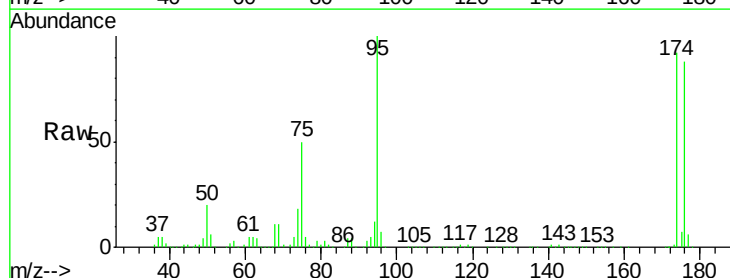
Acq: 24 Apr 2018 18:03

Tgt Ion: 75 Resp: 88891

Ion Ratio Lower Upper

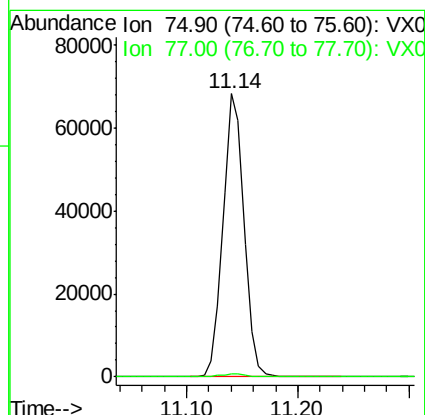
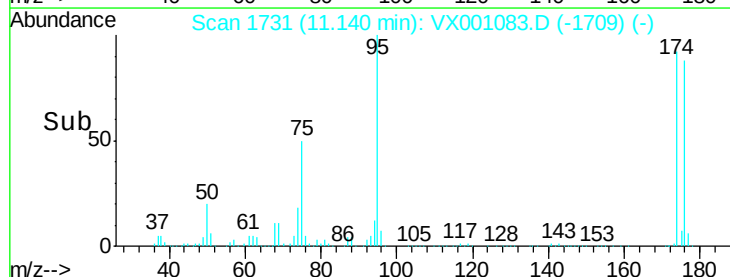
75 100

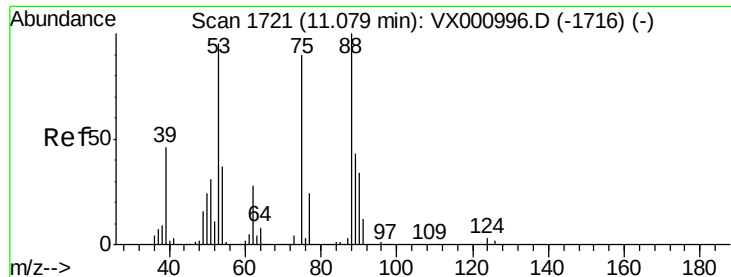
77 1.3 19.6 58.7#



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: 91.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001083.D

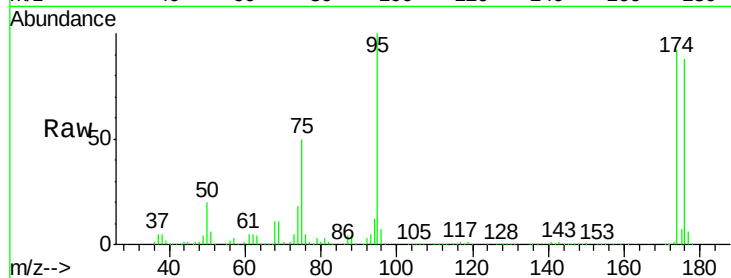
Acq: 24 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

LF014RW132-180412



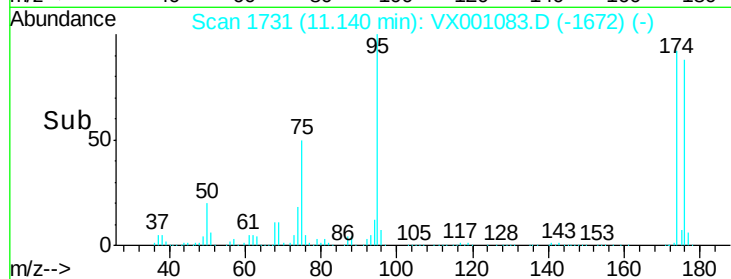
Tgt Ion: 75 Resp: 88891

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

