

Data File : VX001095.D

Acq On : 25 Apr 2018 00:01

Operator : JC/MD

Sample : J2463-04

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 23 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

LF014NW091-180416

Quant Time: Apr 25 07:25:26 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	230547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322418	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	167180	57.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.40%	
35) Dibromofluoromethane	5.51	113	127345	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	8.72	98	485403	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
62) 4-Bromofluorobenzene	11.14	95	159995	41.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.88%	

Target Compounds

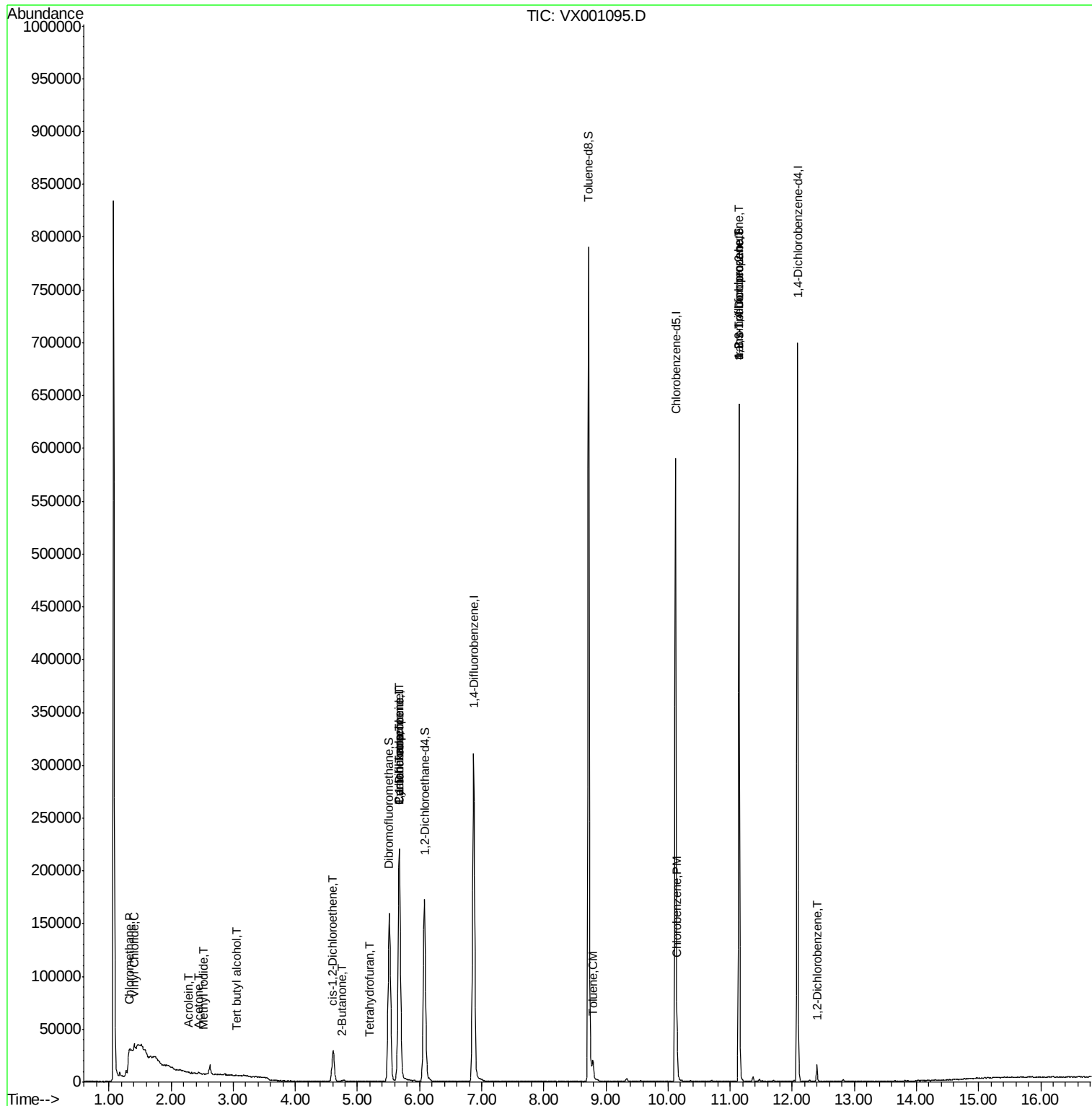
						Qvalue
3) Chloromethane	1.32	50	1041	0.39	ug/l	# 42
4) Vinyl Chloride	1.40	62	4183	1.52	ug/l	# 81
5) Bromomethane	1.65	94	224	Below	Cal	# 44
10) Methyl Iodide	2.52	142	100	7.64	ug/l	# 66
11) Tert butyl alcohol	3.06	59	172	0.39	ug/l	# 72
13) Acrolein	2.28	56	119	11.76	ug/l	83
16) Acetone	2.45	43	1443	1.31	ug/l	98
20) Methylene Chloride	2.86	84	523	Below	Cal	# 83
25) 2-Butanone	4.74	43	652	0.38	ug/l	# 50
27) cis-1,2-Dichloroethene	4.61	96	18466	6.63	ug/l	88
29) Tetrahydrofuran	5.19	42	248	0.23	ug/l	# 34
31) Cyclohexane	5.67	56	4244	1.03	ug/l	# 3
36) 1,1-Dichloropropene	5.67	75	14639	3.86	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	20732	5.40	ug/l	# 16
52) Toluene	8.79	92	4959	0.72	ug/l	96
65) Chlorobenzene	10.15	112	13741	1.83	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	82096	31.90	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	82096	94.78	ug/l	# 8
91) 1,2-Dichlorobenzene	12.40	146	4915	0.96	ug/l	97

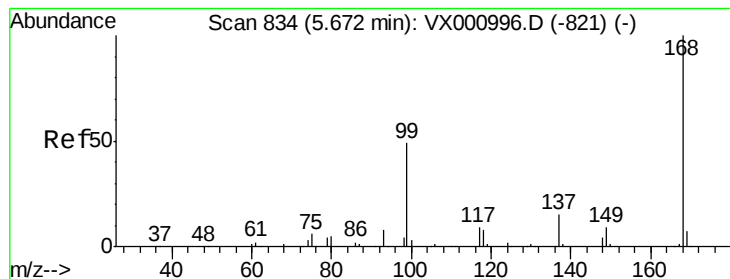
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

Instrument :

MSVOA_X

ClientSampleId :

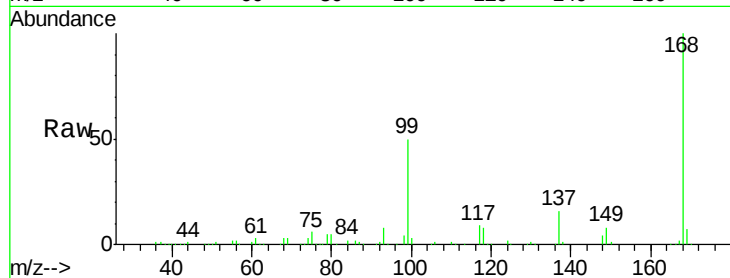
LF014NW091-180416

Tgt Ion:168 Resp: 230547

Ion Ratio Lower Upper

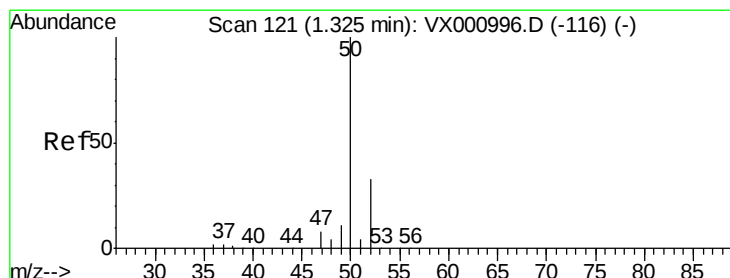
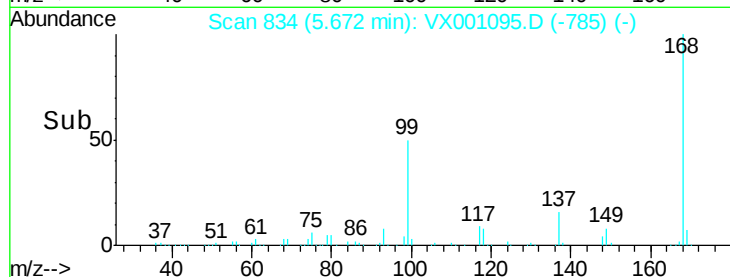
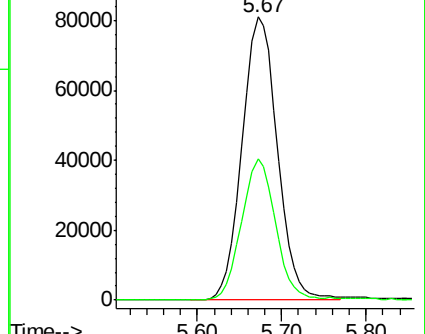
168 100

99 50.0 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: 0.39 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001095.D

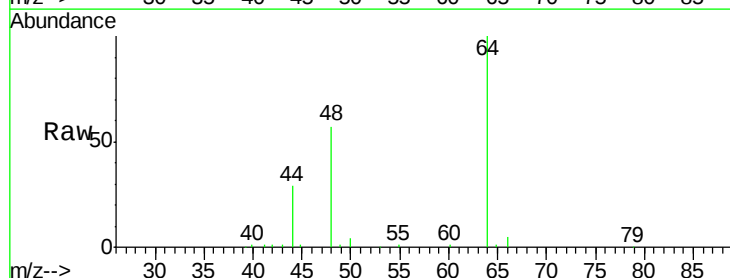
Acq: 25 Apr 2018 00:01

Tgt Ion: 50 Resp: 1041

Ion Ratio Lower Upper

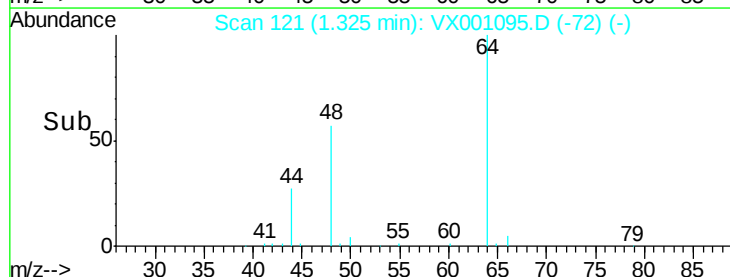
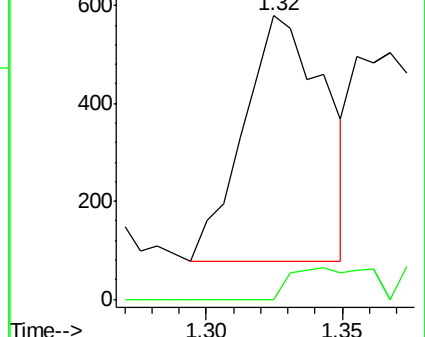
50 100

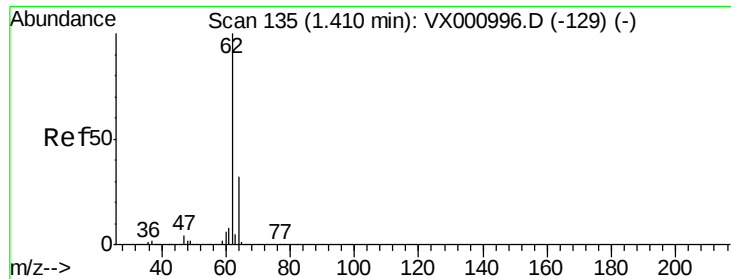
52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 1.52 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

Instrument :

MSVOA_X

ClientSampleId :

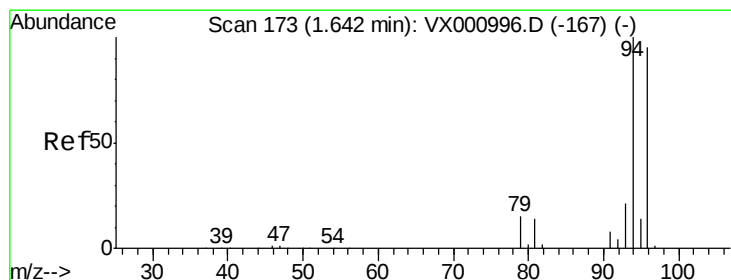
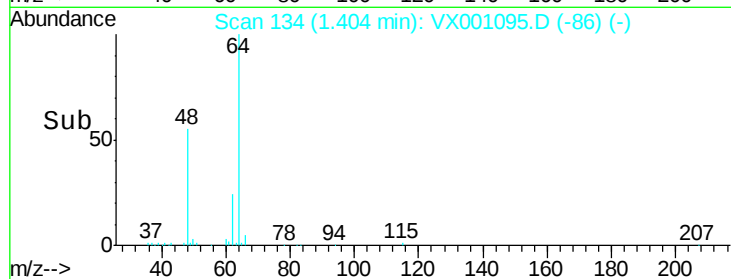
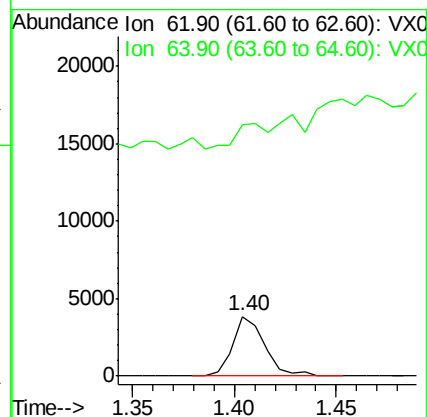
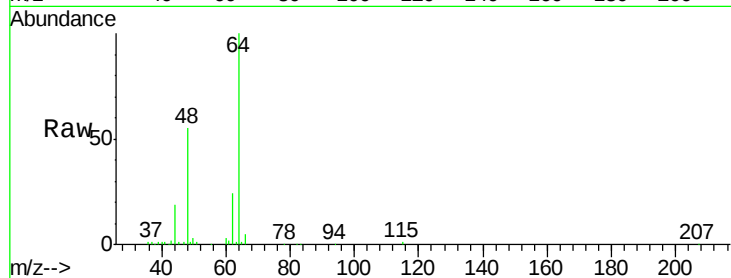
LF014NW091-180416

Tgt Ion: 62 Resp: 4183

Ion Ratio Lower Upper

62 100

64 21.6 25.6 38.4#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001095.D

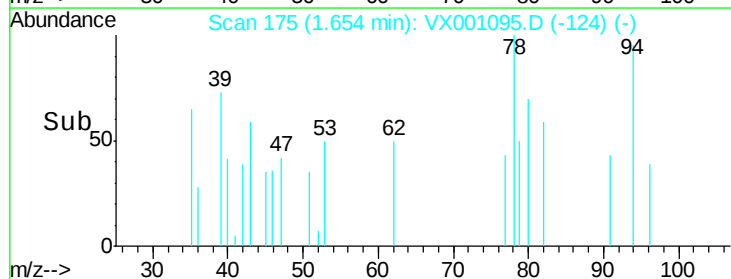
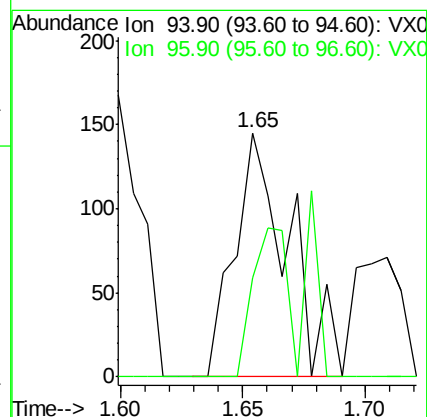
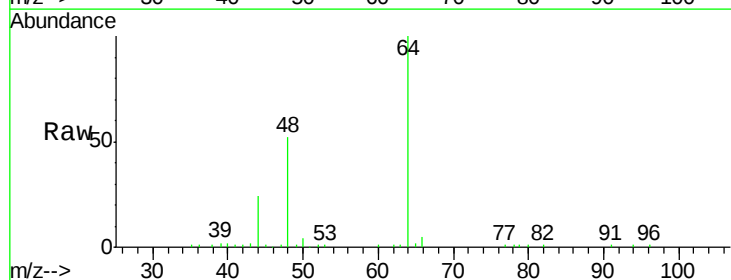
Acq: 25 Apr 2018 00:01

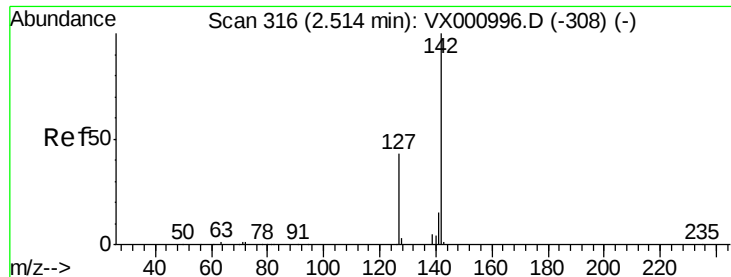
Tgt Ion: 94 Resp: 224

Ion Ratio Lower Upper

94 100

96 40.7 76.0 114.0#

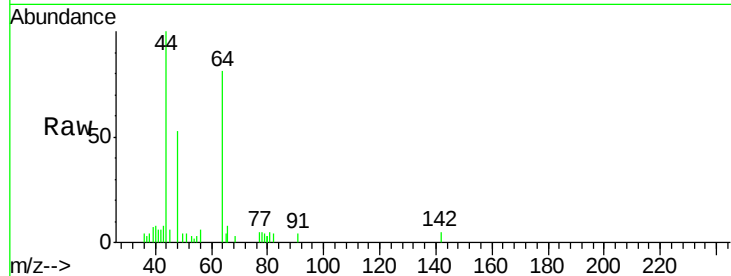




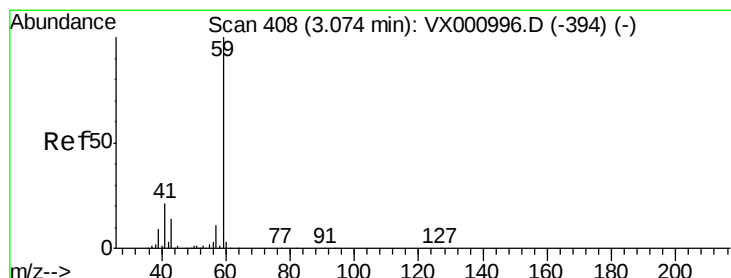
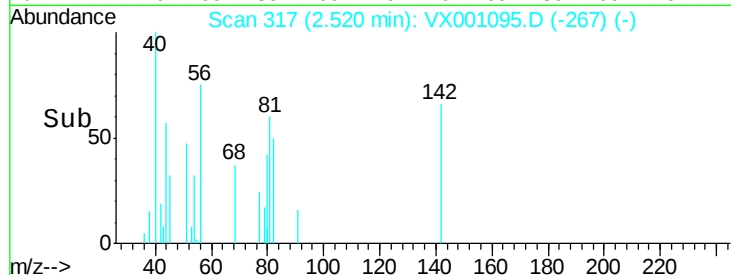
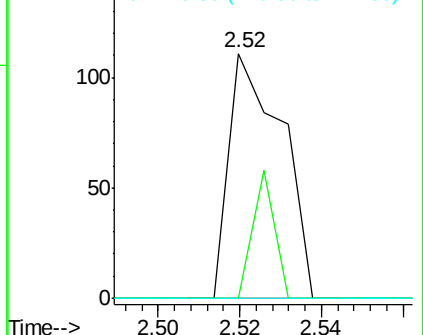
#10
Methyl Iodide
Concen: 7.64 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001095.D
Acq: 25 Apr 2018 00:01

Instrument :
MSVOA_X
ClientSampleId :
LF014NW091-180416

Tgt Ion:142 Resp: 100
Ion Ratio Lower Upper
142 100
127 21.0 34.0 51.0#
141 0.0 11.4 17.2#

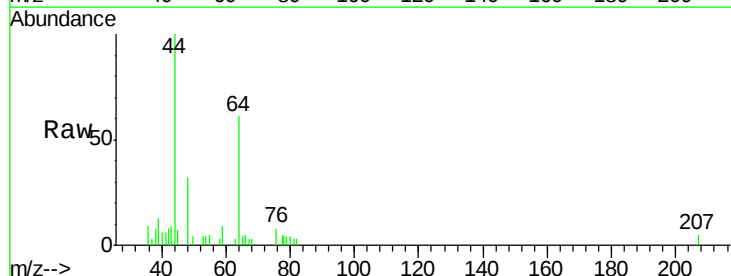


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

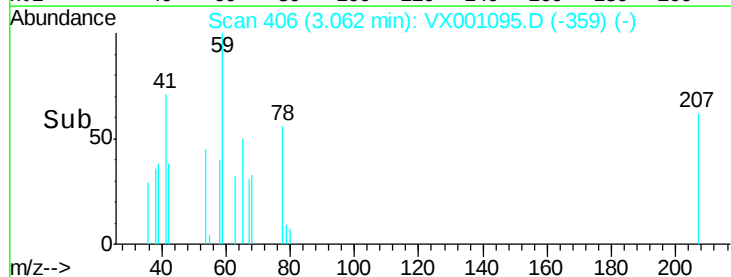
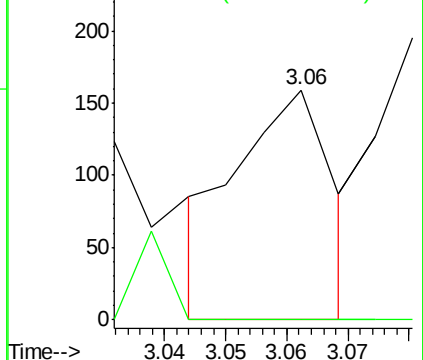


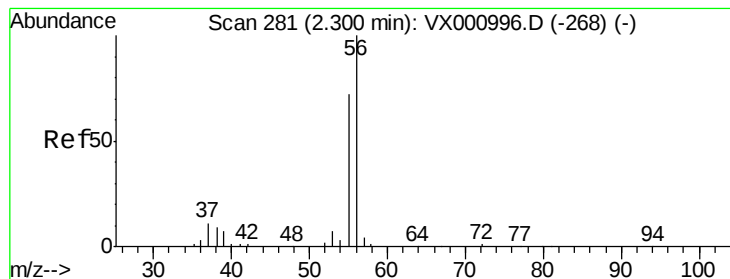
#11
Tert butyl alcohol
Concen: 0.39 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX001095.D
Acq: 25 Apr 2018 00:01

Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 11.76 ug/l

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

Instrument :

MSVOA_X

ClientSampleId :

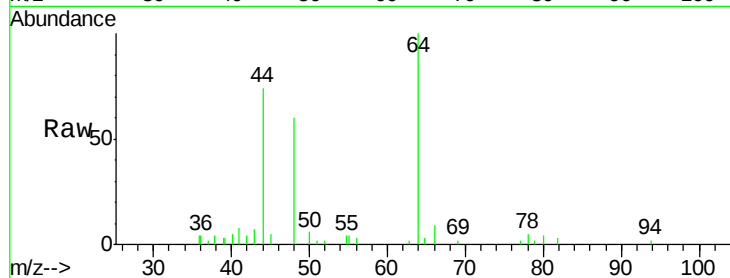
LF014NW091-180416

Tgt Ion: 56 Resp: 119

Ion Ratio Lower Upper

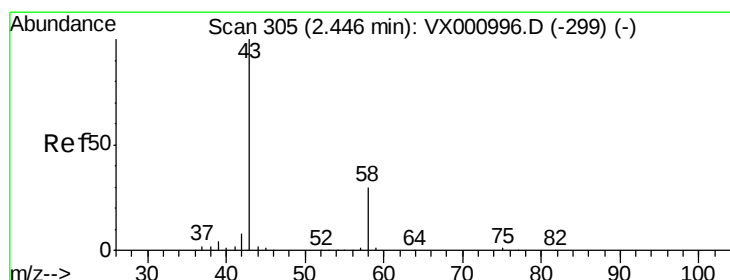
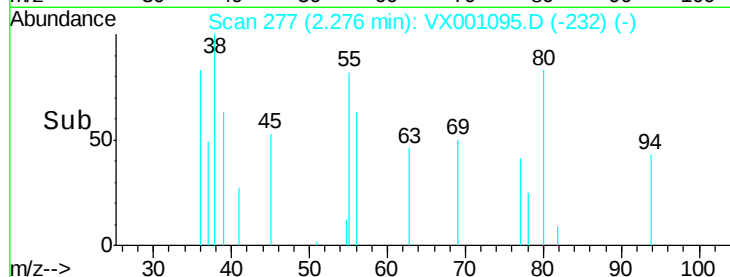
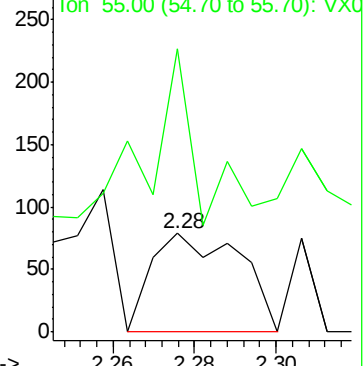
56 100

55 85.7 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: 1.31 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001095.D

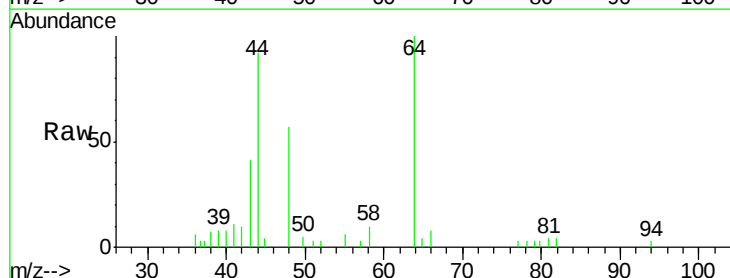
Acq: 25 Apr 2018 00:01

Tgt Ion: 43 Resp: 1443

Ion Ratio Lower Upper

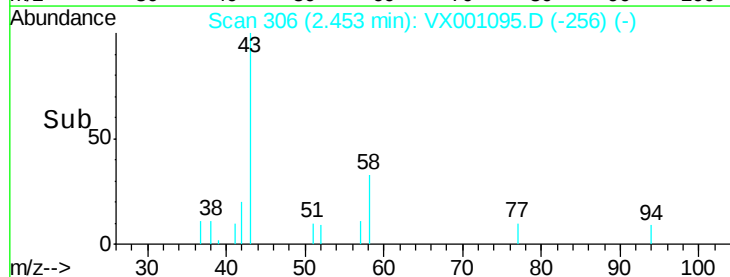
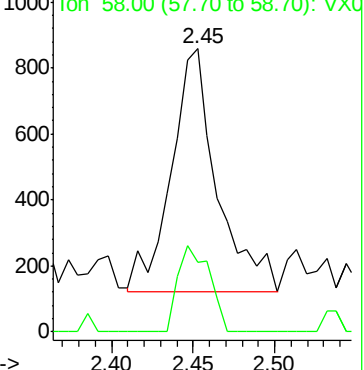
43 100

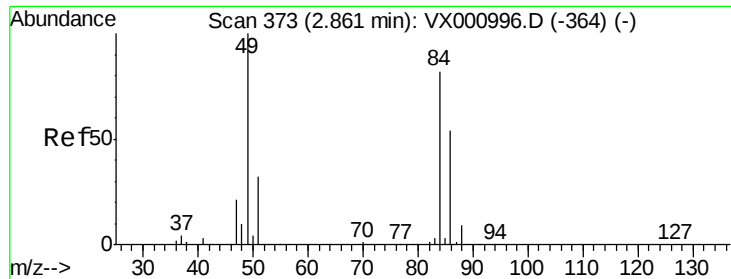
58 28.5 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

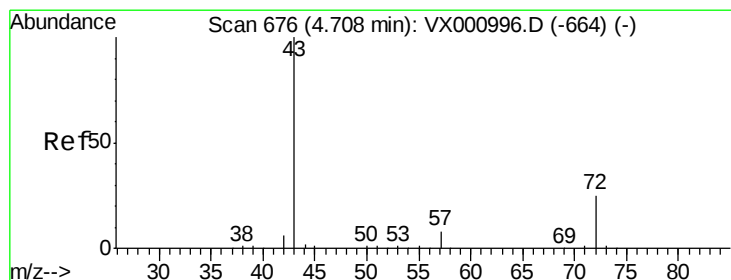
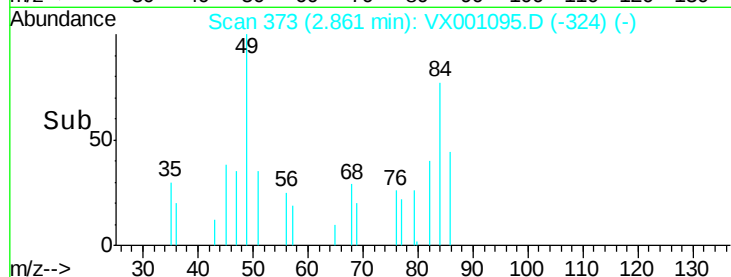
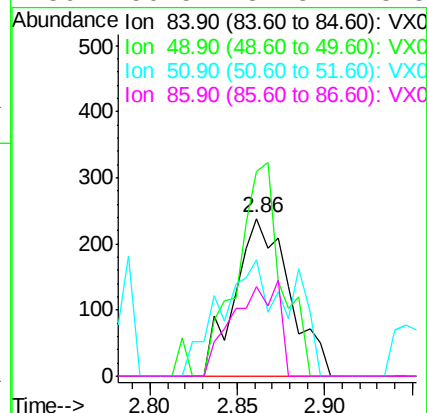
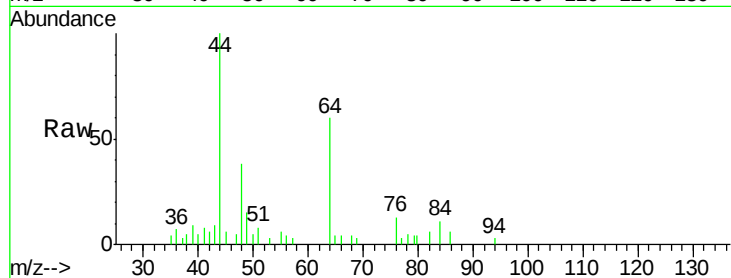




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001095.D
Acq: 25 Apr 2018 00:01

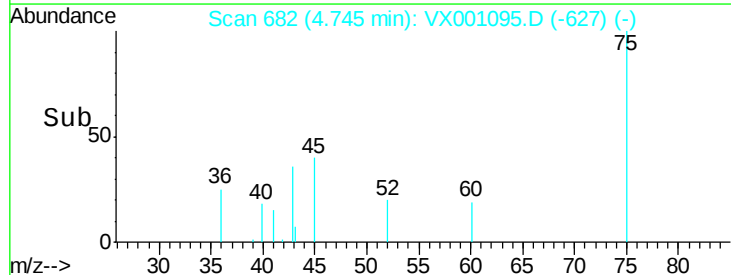
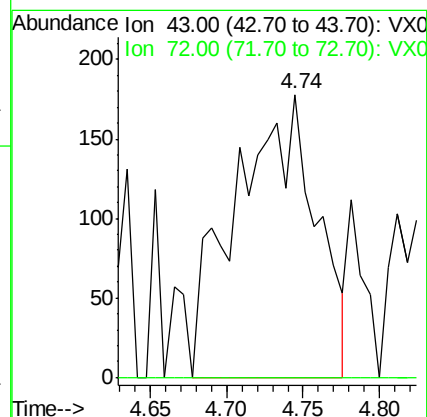
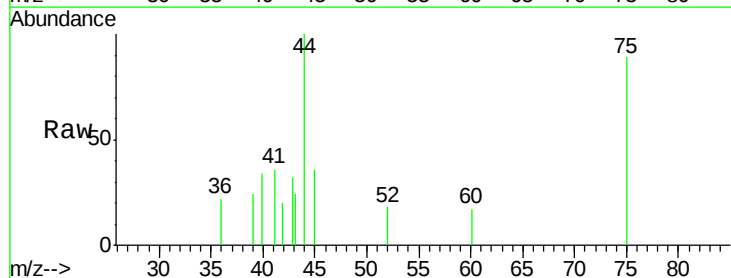
Instrument :
MSVOA_X
ClientSampleId :
LF014NW091-180416

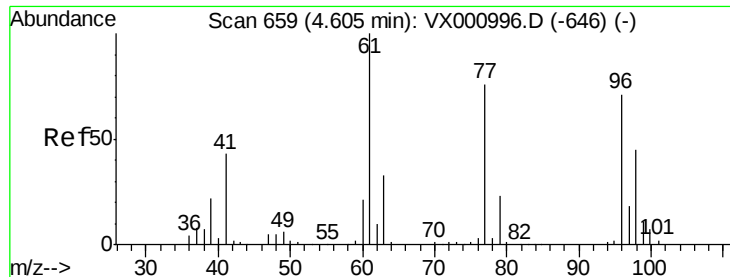
Tgt Ion: 84 Resp: 523
Ion Ratio Lower Upper
84 100
49 129.7 97.1 145.7
51 73.6 30.8 46.2#
86 56.5 52.3 78.5



#25
2-Butanone
Concen: 0.38 ug/l
RT: 4.74 min Scan# 682
Delta R.T. 0.04 min
Lab File: VX001095.D
Acq: 25 Apr 2018 00:01

Tgt Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#27

cis-1,2-Dichloroethene

Concen: 6.63 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

Instrument :

MSVOA_X

ClientSampleId :

LF014NW091-180416

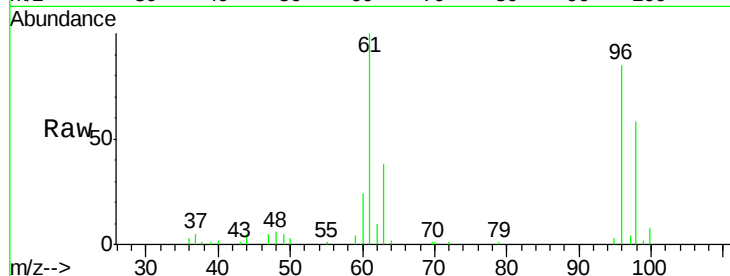
Tgt Ion: 96 Resp: 18466

Ion Ratio Lower Upper

96 100

61 126.6 0.0 297.0

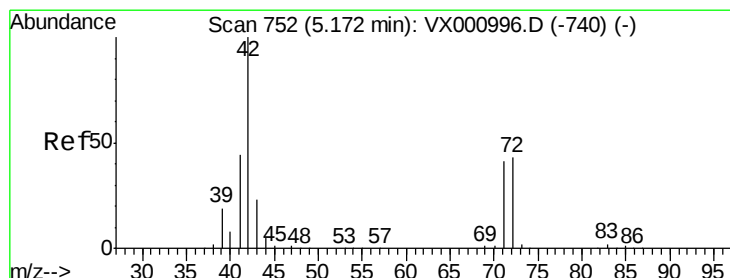
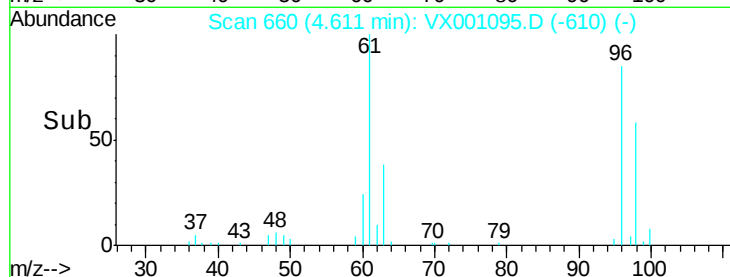
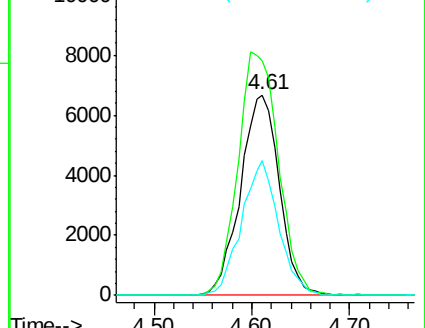
98 64.3 0.0 130.0



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: 0.23 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

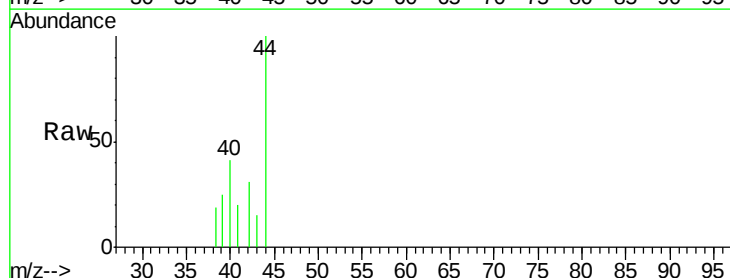
Tgt Ion: 42 Resp: 248

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

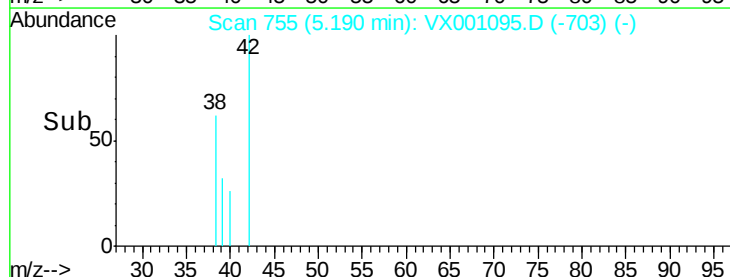
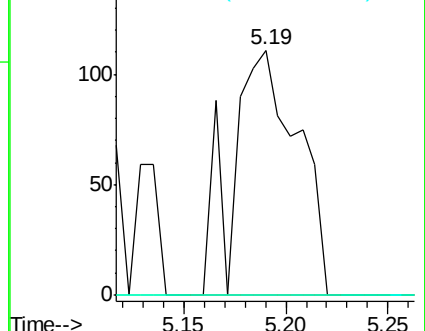
71 0.0 32.6 49.0#

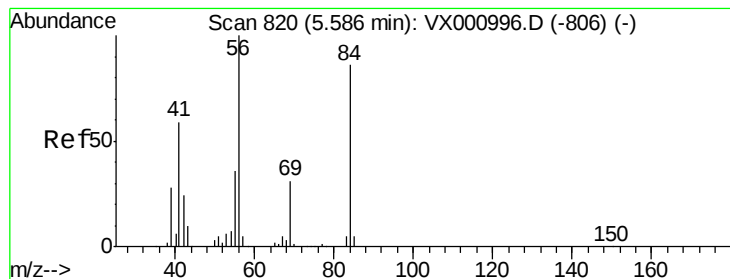


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.03 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

Instrument :

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ClientSampleId :

LF014NW091-180416

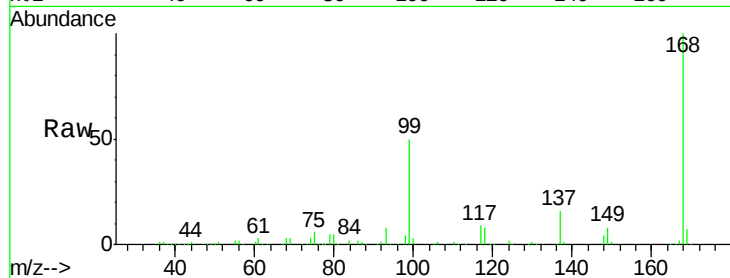
Tgt Ion: 56 Resp: 4244

Ion Ratio Lower Upper

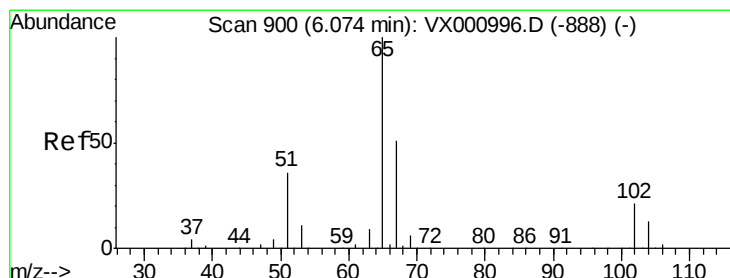
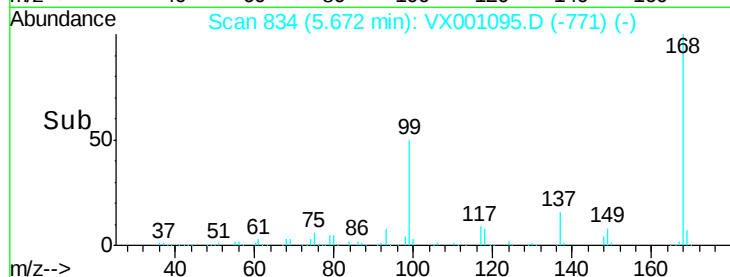
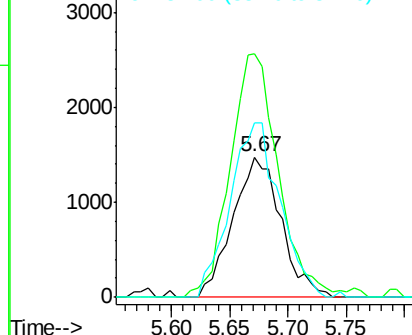
56 100

69 169.5 24.6 36.8#

84 124.6 69.0 103.6#



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



#33

1,2-Dichloroethane-d4

Concen: 57.20 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001095.D

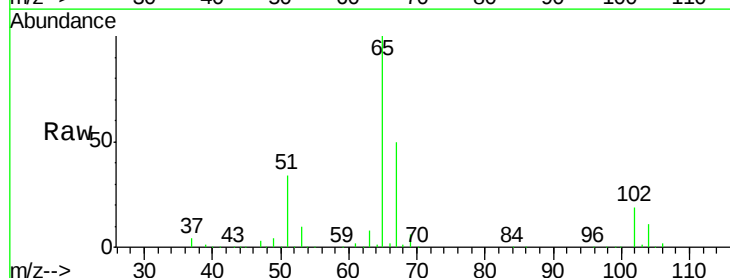
Acq: 25 Apr 2018 00:01

Tgt Ion: 65 Resp: 167180

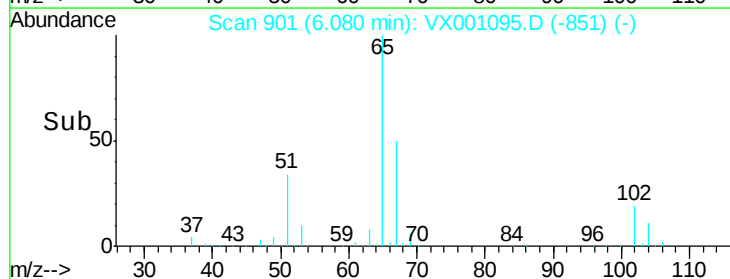
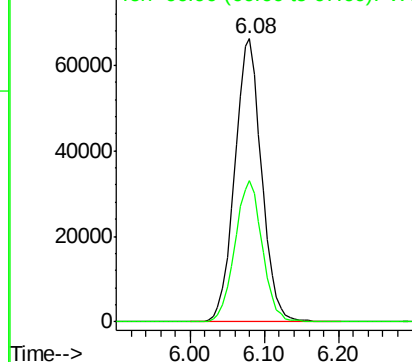
Ion Ratio Lower Upper

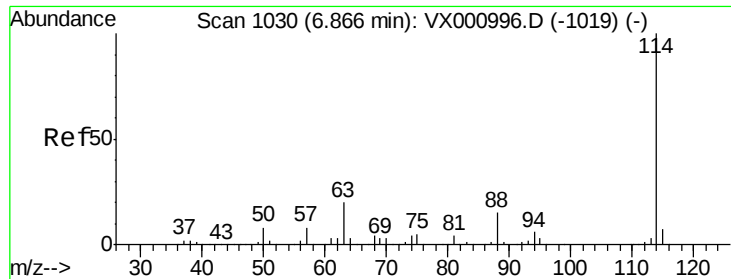
65 100

67 50.8 0.0 102.6



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

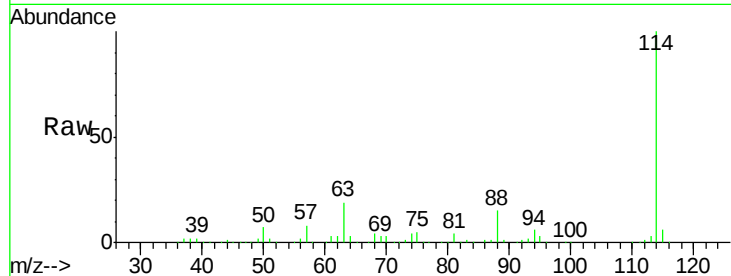




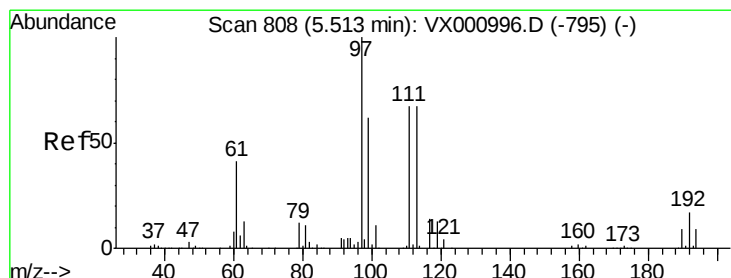
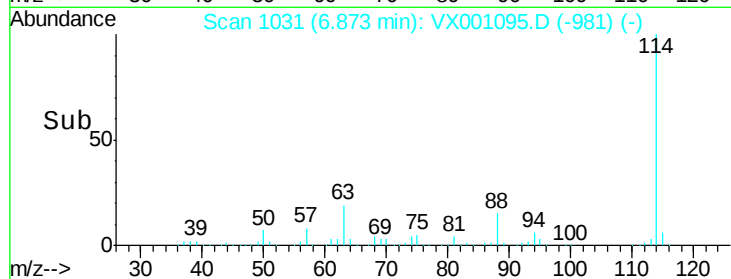
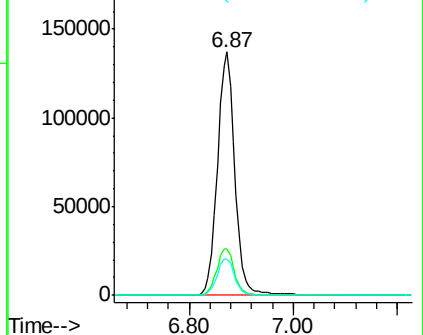
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001095.D
 Acq: 25 Apr 2018 00:01

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014NW091-180416

Tgt Ion:114 Resp: 322418
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.4
 88 15.0 0.0 29.8

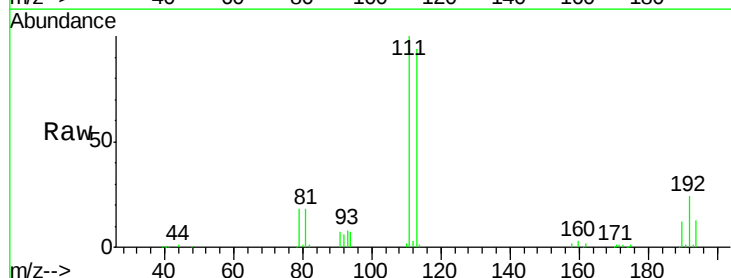


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

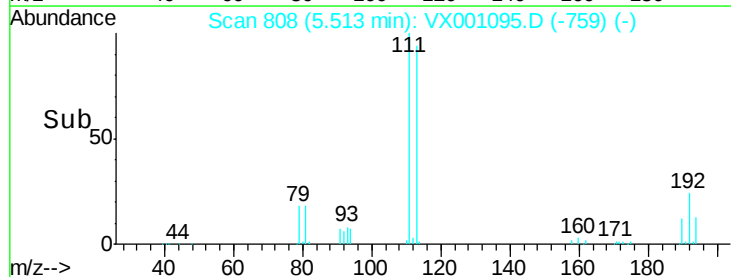
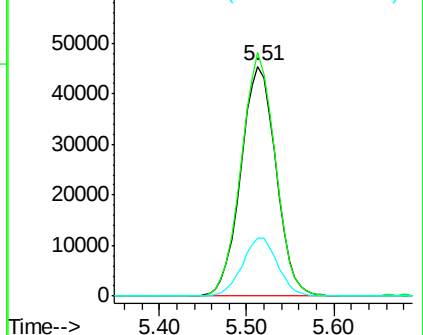


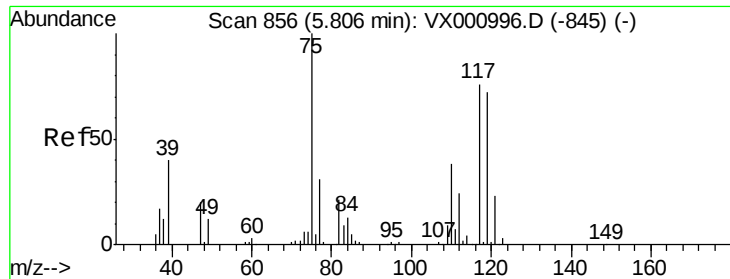
#35
 Dibromofluoromethane
 Concen: 51.80 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001095.D
 Acq: 25 Apr 2018 00:01

Tgt Ion:113 Resp: 127345
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.4 122.2
 192 25.6 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# 833

Delta R.T. -0.14 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

Instrument :

MSVOA_X

ClientSampleId :

LF014NW091-180416

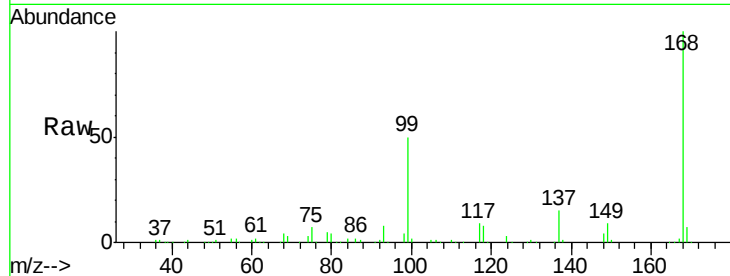
Tgt Ion: 75 Resp: 14639

Ion Ratio Lower Upper

75 100

110 10.0 18.7 56.1#

77 0.3 25.0 37.4#

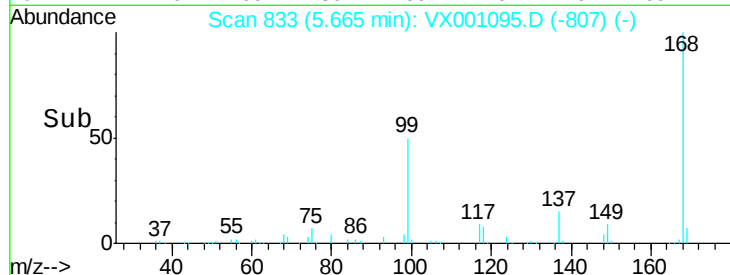


Abundance Ion 74.90 (74.60 to 75.60): VX000996.D (-845) (-)

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

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

Time-->

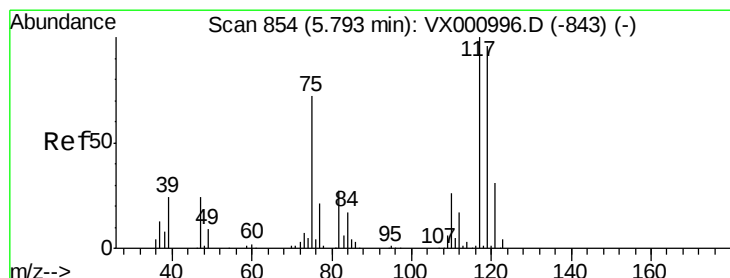


Abundance Ion 74.90 (74.60 to 75.60): VX001095.D (-807) (-)

Ion 109.90 (109.60 to 110.60): VX001095.D (-807) (-)

Ion 76.90 (76.60 to 77.60): VX001095.D (-807) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.40 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

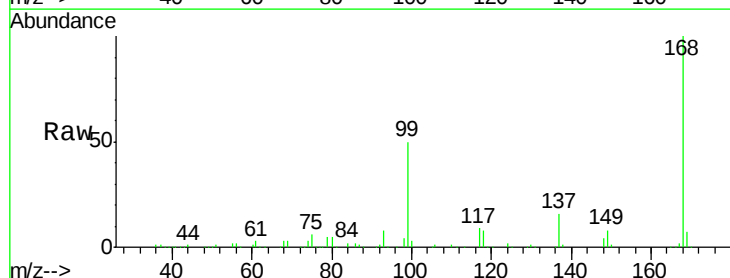
Tgt Ion: 117 Resp: 20732

Ion Ratio Lower Upper

117 100

119 5.0 76.5 114.7#

121 0.0 24.5 36.7#

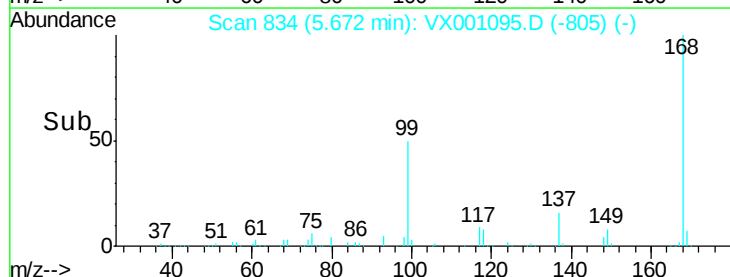


Abundance Ion 116.80 (116.50 to 117.50): VX000996.D (-843) (-)

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

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

Time-->

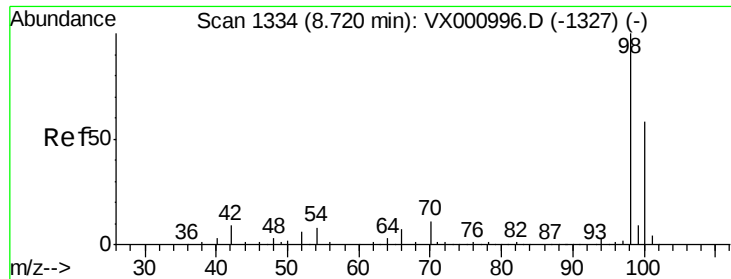


Abundance Ion 116.80 (116.50 to 117.50): VX001095.D (-805) (-)

Ion 118.80 (118.50 to 119.50): VX001095.D (-805) (-)

Ion 120.80 (120.50 to 121.50): VX001095.D (-805) (-)

Time-->



#50

Toluene-d8

Concen: 53.39 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

Instrument :

MSVOA_X

ClientSampleId :

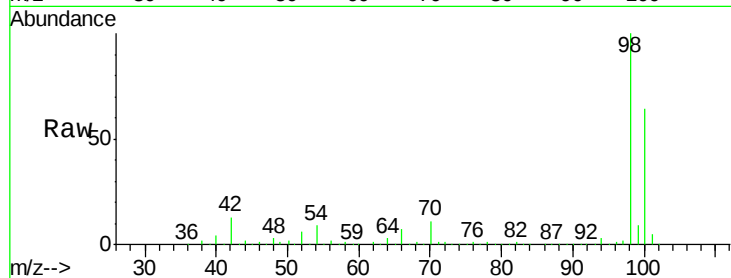
LF014NW091-180416

Tgt Ion: 98 Resp: 485403

Ion Ratio Lower Upper

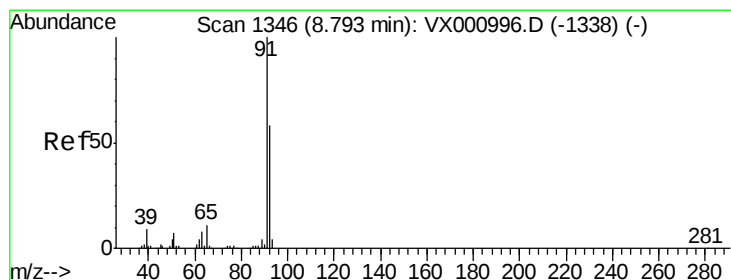
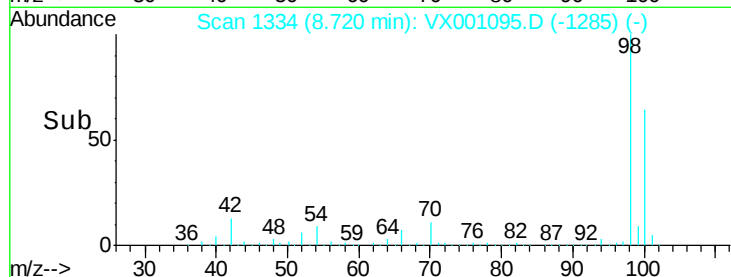
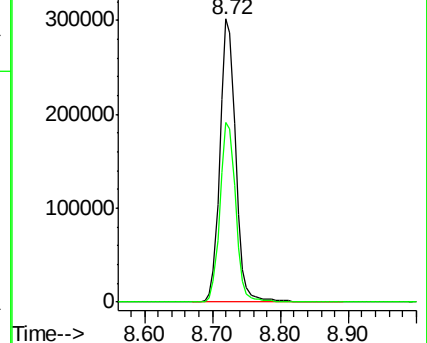
98 100

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



#52

Toluene

Concen: 0.72 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001095.D

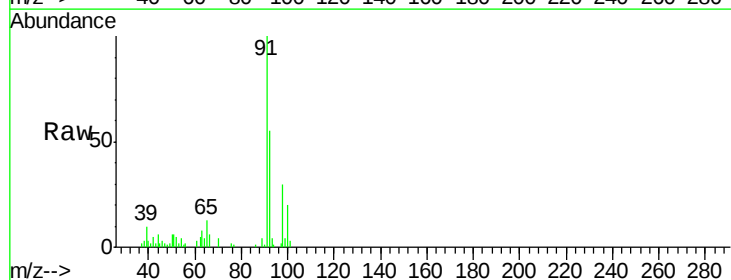
Acq: 25 Apr 2018 00:01

Tgt Ion: 92 Resp: 4959

Ion Ratio Lower Upper

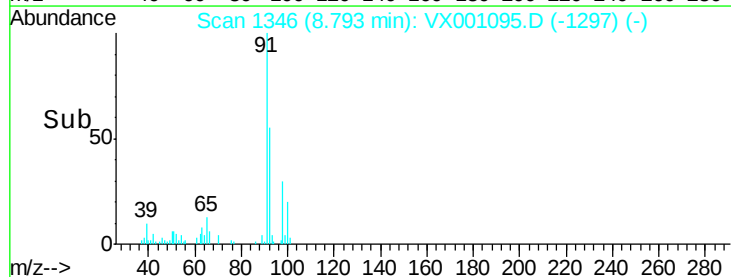
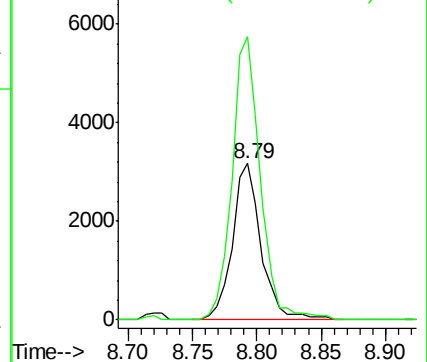
92 100

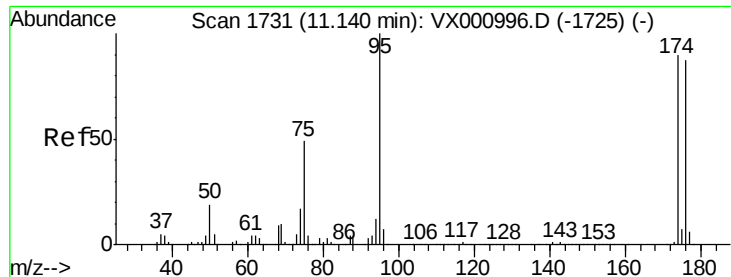
91 178.3 138.2 207.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 41.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

Instrument :

MSVOA_X

ClientSampleId :

LF014NW091-180416

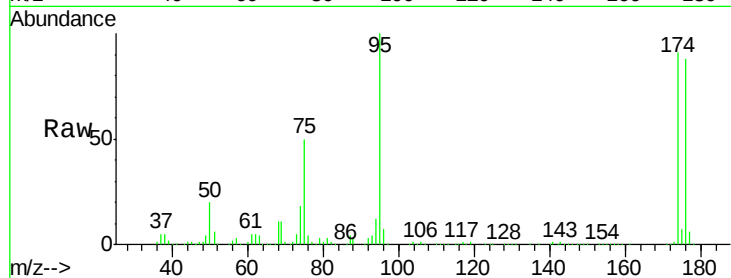
Tgt Ion: 95 Resp: 159995

Ion Ratio Lower Upper

95 100

174 100.0 0.0 198.4

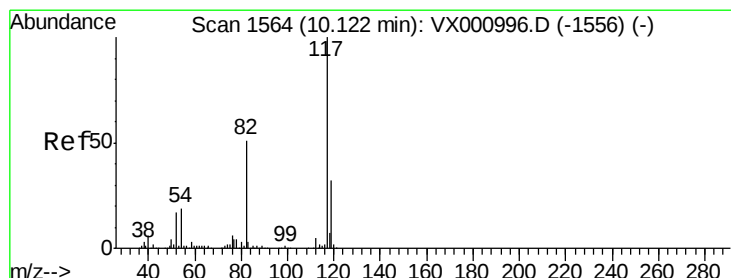
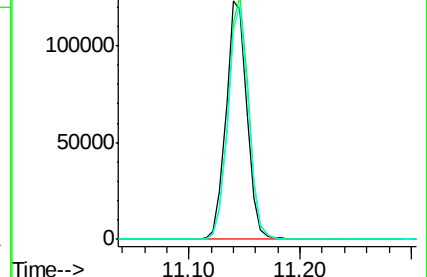
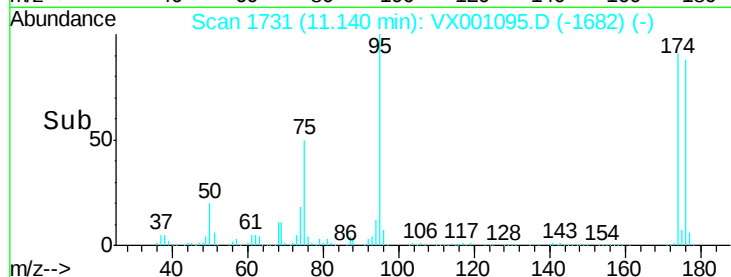
176 96.1 0.0 192.0



Abundance Ion 94.90 (94.60 to 95.60): VX000996.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000996.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000996.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

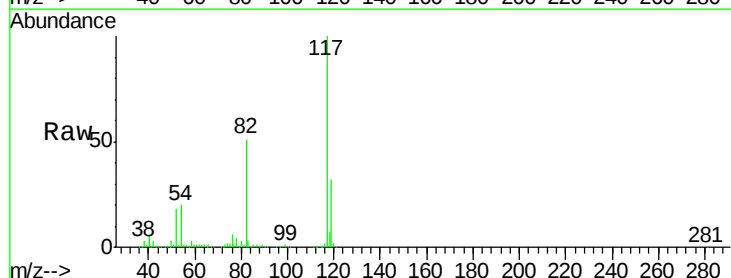
Tgt Ion: 117 Resp: 282277

Ion Ratio Lower Upper

117 100

82 51.4 40.6 60.8

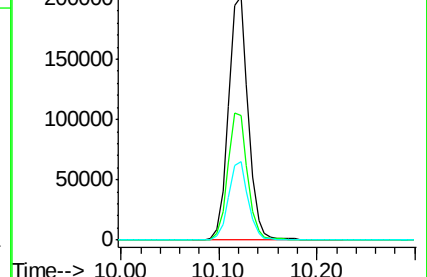
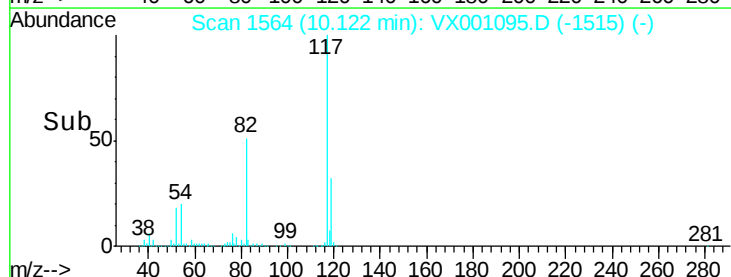
119 32.1 26.0 39.0

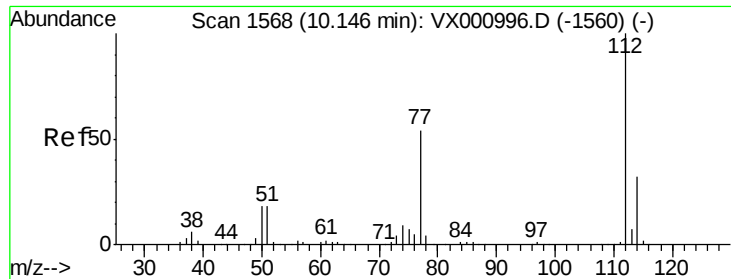


Abundance Ion 116.90 (116.60 to 117.60): VX000996.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX000996.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX000996.D (-1556) (-)





#65

Chlorobenzene

Concen: 1.83 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

Instrument :

MSVOA_X

ClientSampleId :

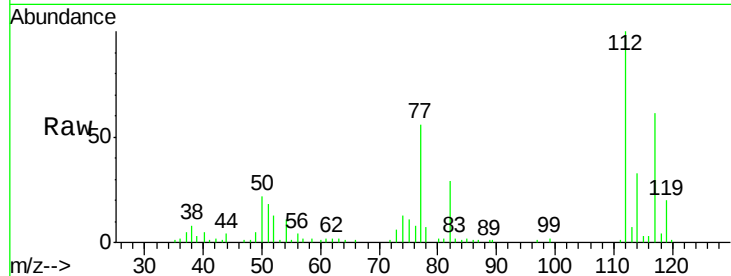
LF014NW091-180416

Tgt Ion:112 Resp: 13741

Ion Ratio Lower Upper

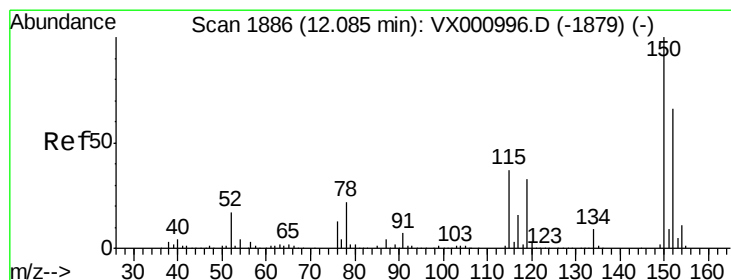
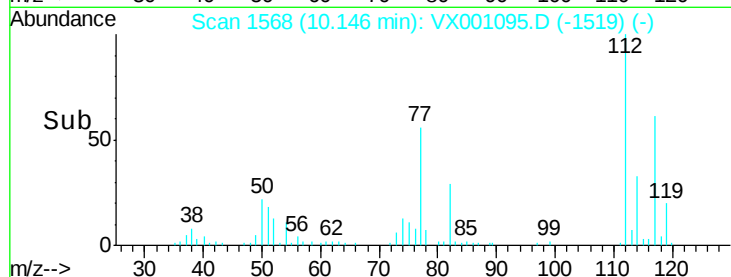
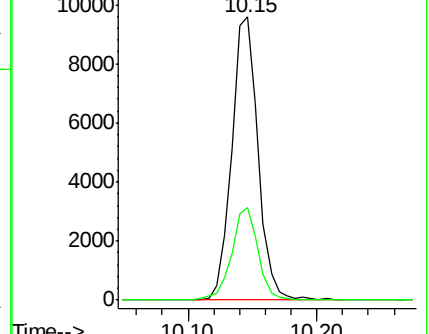
112 100

114 32.8 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: VX001095.D

Acq: 25 Apr 2018 00:01

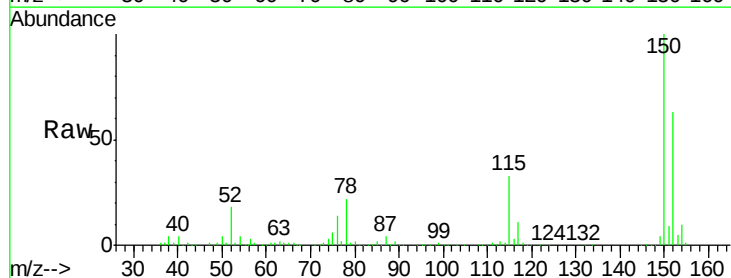
Tgt Ion:152 Resp: 148341

Ion Ratio Lower Upper

152 100

115 53.4 38.2 114.6

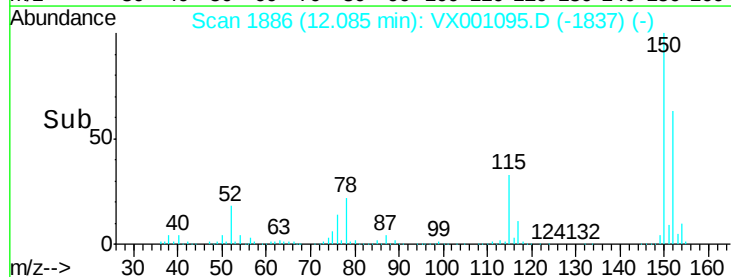
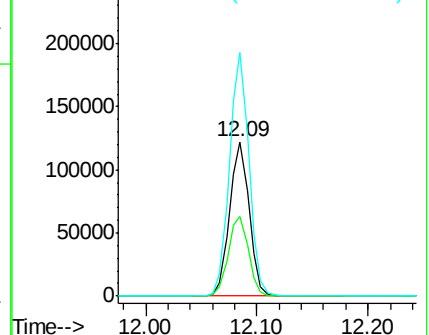
150 156.7 0.0 350.4

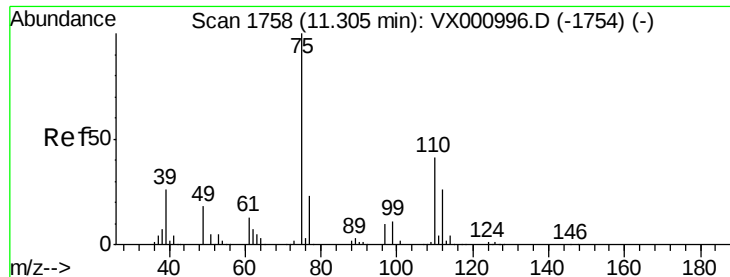


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

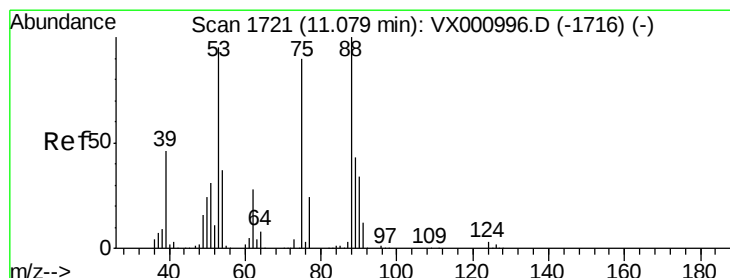
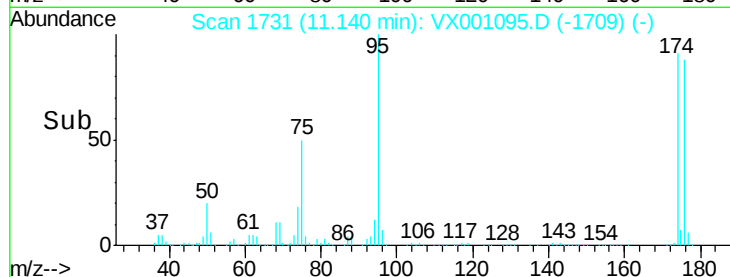
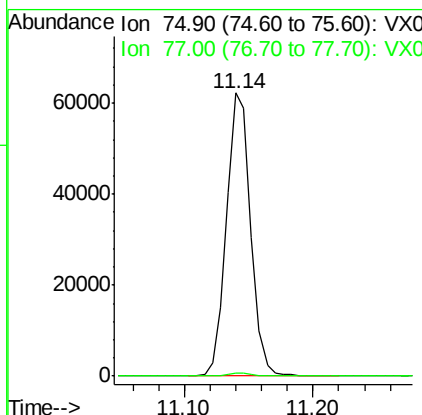
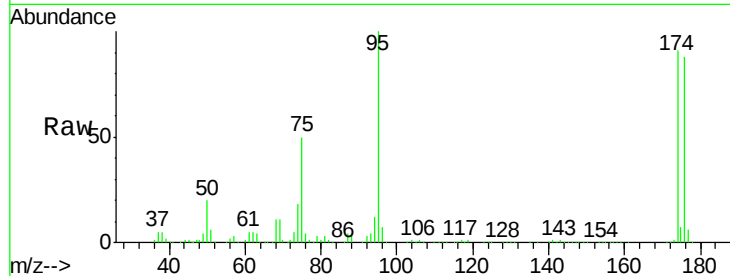




#76
 1,2,3-Trichloropropane
 Concen: 31.90 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001095.D
 Acq: 25 Apr 2018 00:01

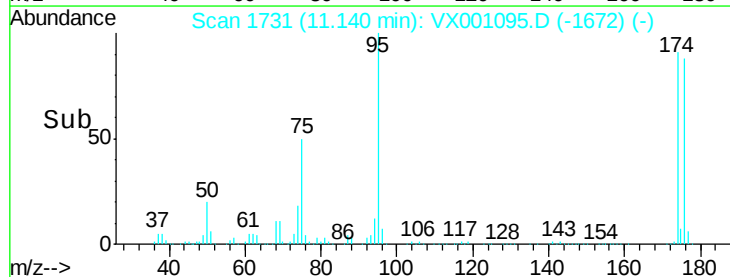
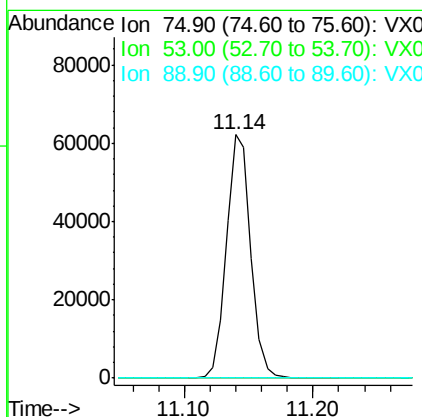
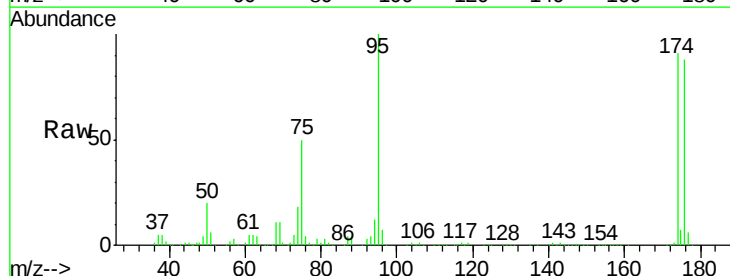
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014NW091-180416

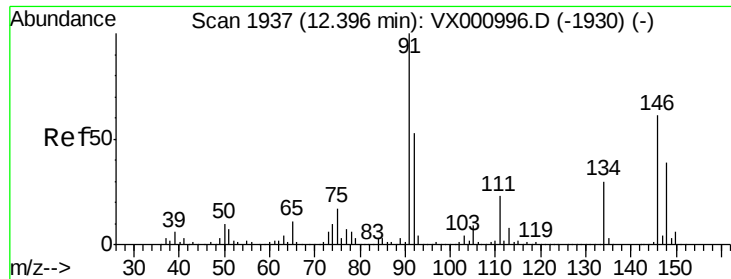
Tgt Ion: 75 Resp: 82096
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.78 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001095.D
 Acq: 25 Apr 2018 00:01

Tgt Ion: 75 Resp: 82096
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 39.7 59.5#





#91

1,2-Dichlorobenzene

Concen: 0.96 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001095.D

Acq: 25 Apr 2018 00:01

Instrument :

MSVOA_X

ClientSampleId :

LF014NW091-180416

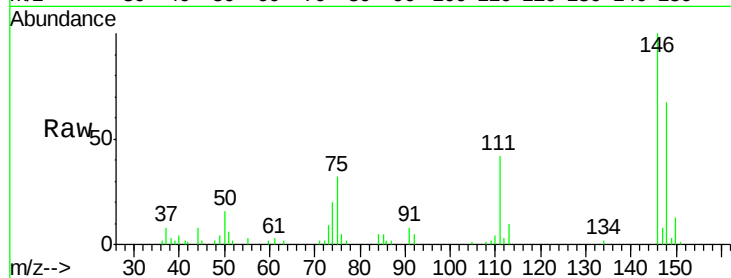
Tgt Ion:146 Resp: 4915

Ion Ratio Lower Upper

146 100

111 37.0 18.6 56.0

148 60.7 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

