

Data File : VX001092.D

Acq On : 24 Apr 2018 22:44

Operator : JC/MD

Sample : J2463-01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 20 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

LF014MW080-180416

Quant Time: Apr 25 07:24:13 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	230438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	280141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	166342	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
35) Dibromofluoromethane	5.51	113	126146	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	8.72	98	479745	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	11.14	95	160504	42.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.04%	

Target Compounds

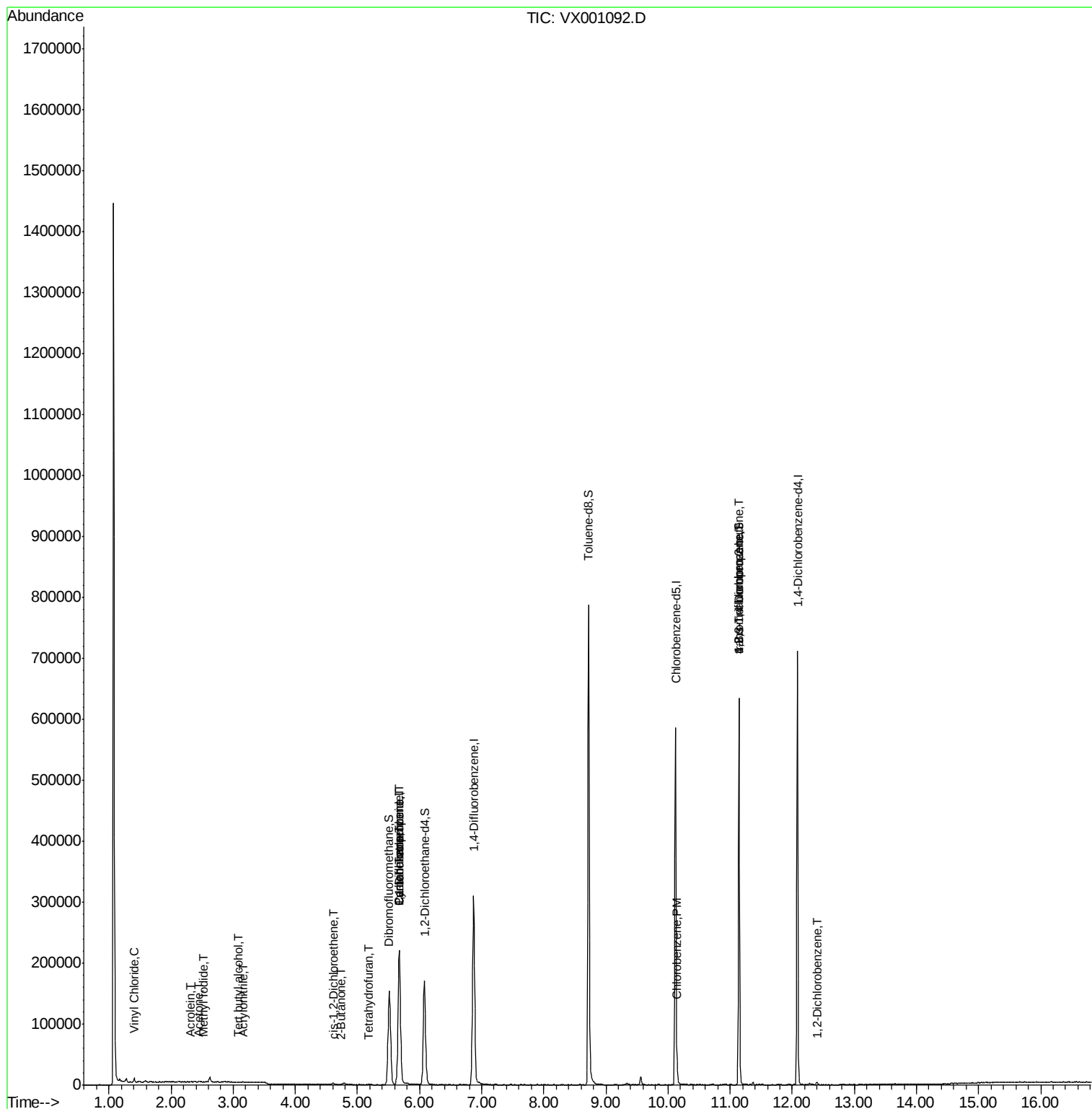
						Qvalue
4) Vinyl Chloride	1.40	62	3359	1.22	ug/l	100
5) Bromomethane	1.65	94	396	Below	Cal	# 55
10) Methyl Iodide	2.53	142	179	7.66	ug/l	# 41
11) Tert butyl alcohol	3.09	59	182	0.41	ug/l	# 54
13) Acrolein	2.31	56	161	12.06	ug/l	# 75
15) Acrylonitrile	3.15	53	286	0.24	ug/l	# 54
16) Acetone	2.45	43	1521	1.38	ug/l	92
20) Methylene Chloride	2.86	84	580	Below	Cal	# 90
25) 2-Butanone	4.72	43	502	0.29	ug/l	# 50
27) cis-1,2-Dichloroethene	4.62	96	1365	0.49	ug/l	# 85
29) Tetrahydrofuran	5.18	42	281	0.26	ug/l	# 34
31) Cyclohexane	5.68	56	4447	1.08	ug/l	# 35
36) 1,1-Dichloropropene	5.67	75	15003	3.95	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	19862	5.17	ug/l	# 16
65) Chlorobenzene	10.15	112	10518	1.41	ug/l	89
76) 1,2,3-Trichloropropane	11.14	75	82397	31.29	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	82397	93.03	ug/l	# 8
91) 1,2-Dichlorobenzene	12.40	146	1112	0.21	ug/l	96

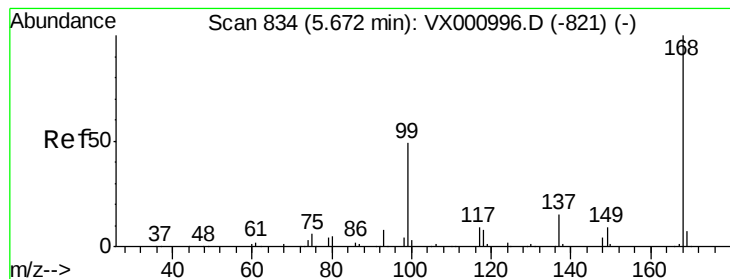
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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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: VX001092.D

Acq: 24 Apr 2018 22:44

Instrument :

MSVOA_X

ClientSampleId :

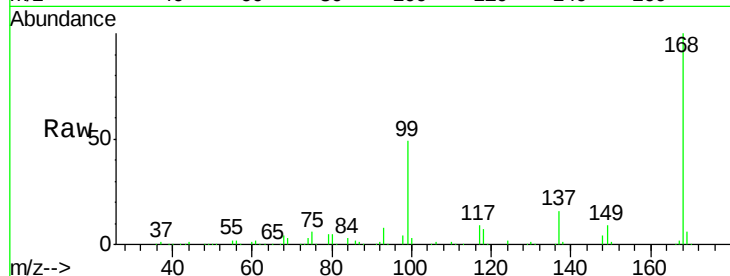
LF014MW080-180416

Tgt Ion:168 Resp: 230438

Ion Ratio Lower Upper

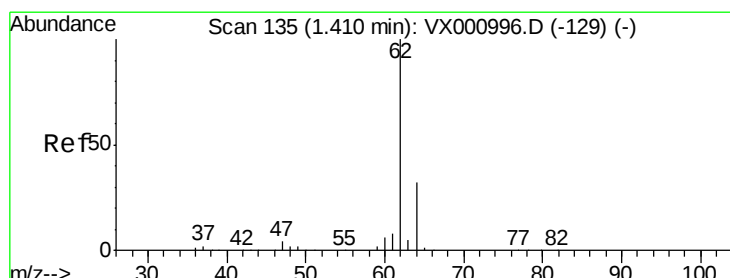
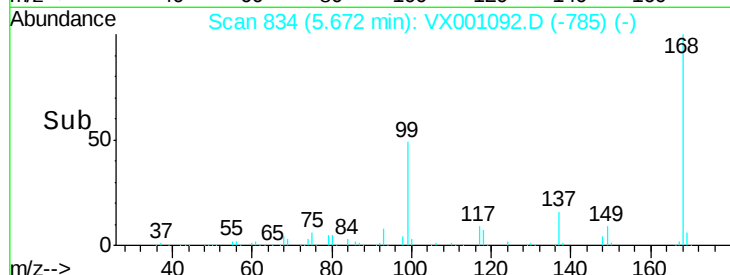
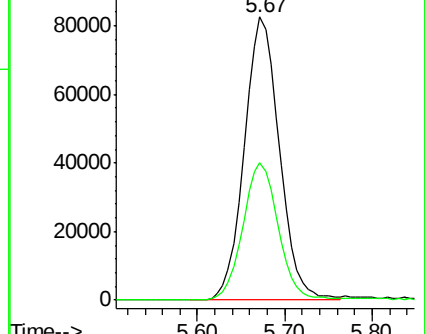
168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.22 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001092.D

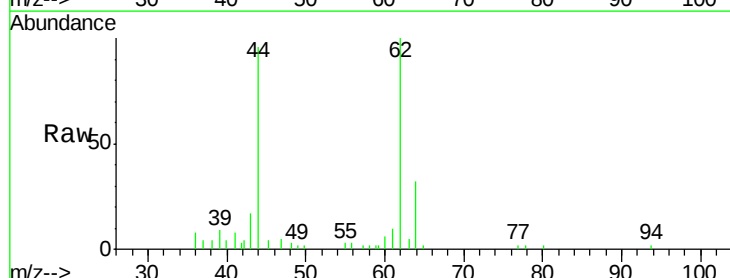
Acq: 24 Apr 2018 22:44

Tgt Ion: 62 Resp: 3359

Ion Ratio Lower Upper

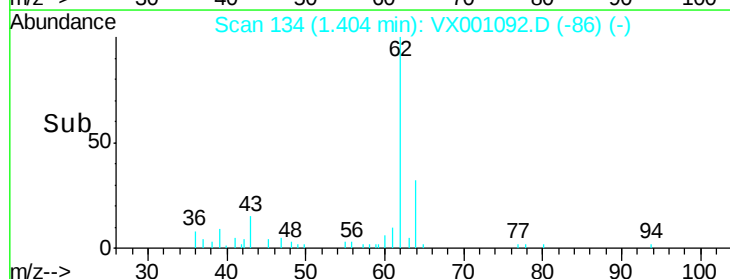
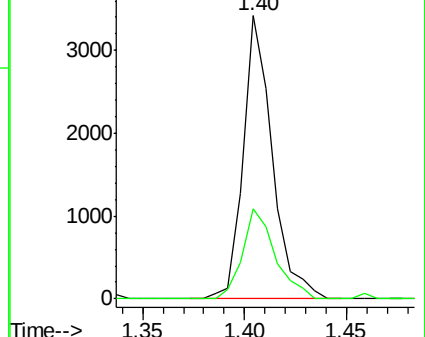
62 100

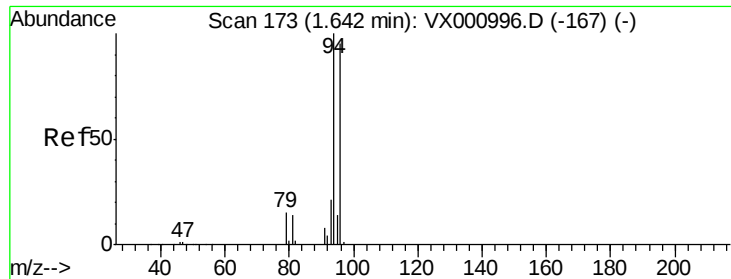
64 31.7 25.6 38.4



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: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001092.D

Acq: 24 Apr 2018 22:44

Instrument :

MSVOA_X

ClientSampleId :

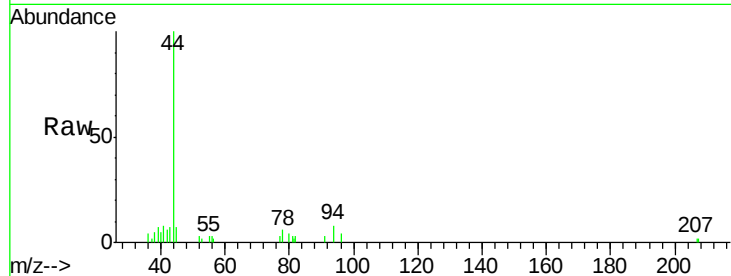
LF014MW080-180416

Tgt Ion: 94 Resp: 396

Ion Ratio Lower Upper

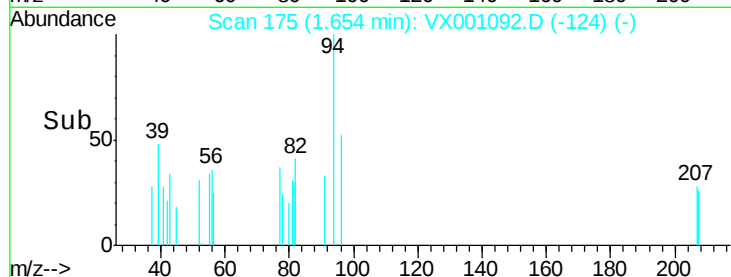
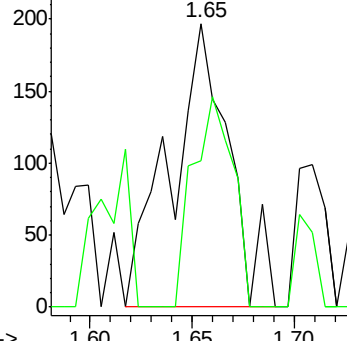
94 100

96 51.8 76.0 114.0#

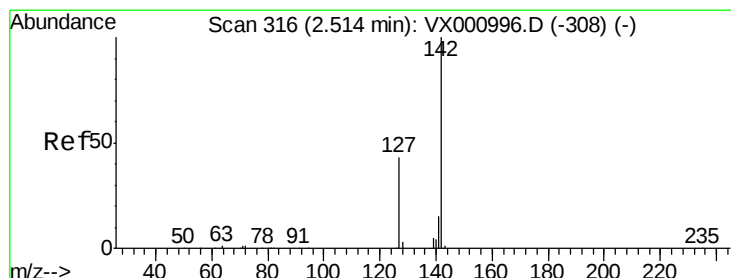


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 7.66 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001092.D

Acq: 24 Apr 2018 22:44

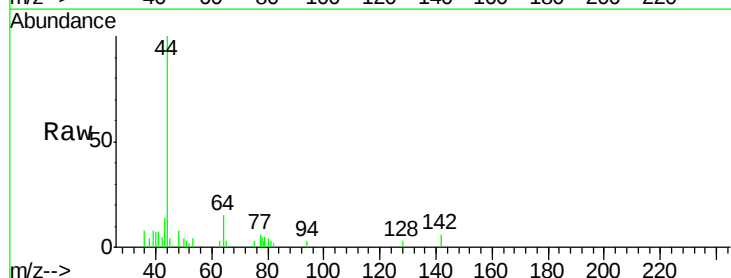
Tgt Ion: 142 Resp: 179

Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

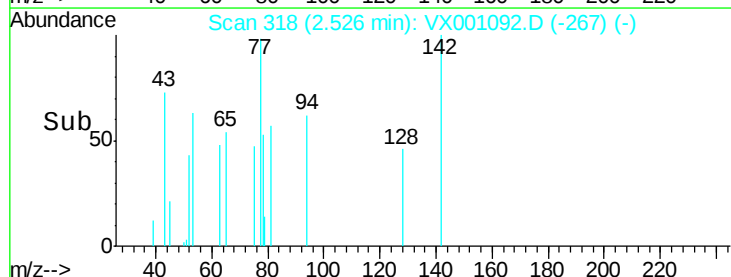
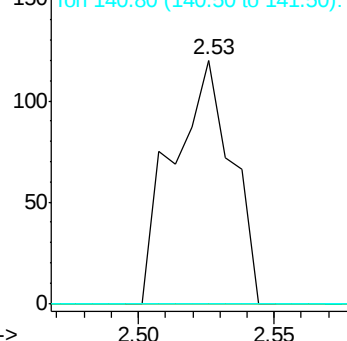
141 0.0 11.4 17.2#



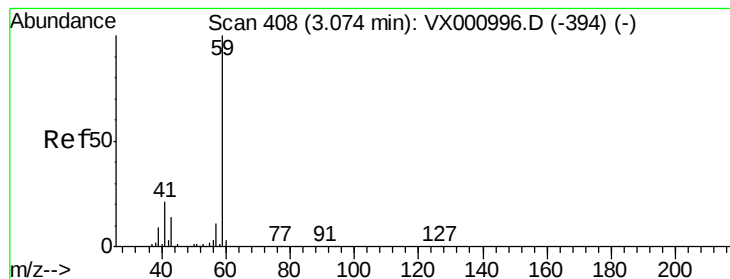
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#11

Tert butyl alcohol

Concen: 0.41 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX001092.D

Acq: 24 Apr 2018 22:44

Instrument :

MSVOA_X

ClientSampleId :

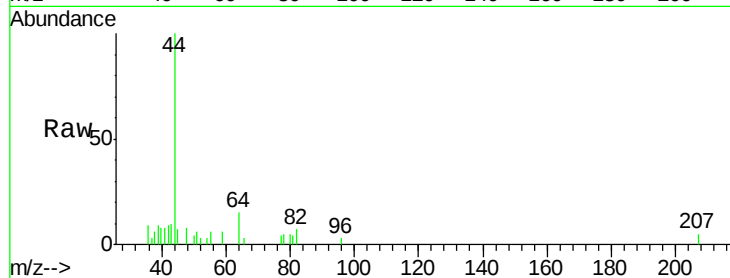
LF014MW080-180416

Tgt Ion: 59 Resp: 182

Ion Ratio Lower Upper

59 100

57 27.5 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.09

100

80

60

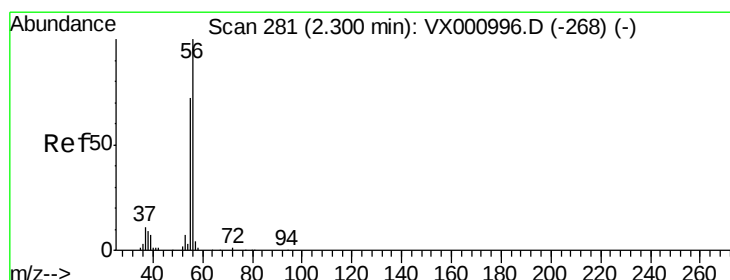
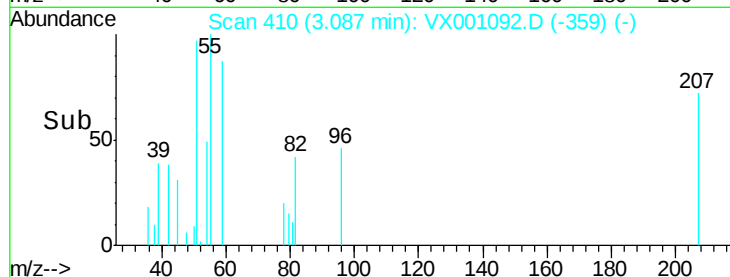
40

20

0

3.04 3.06 3.08 3.10 3.12

Time-->



#13

Acrolein

Concen: 12.06 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001092.D

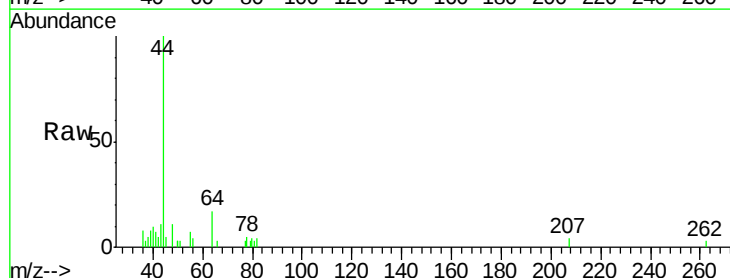
Acq: 24 Apr 2018 22:44

Tgt Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 92.5 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

300

250

200

150

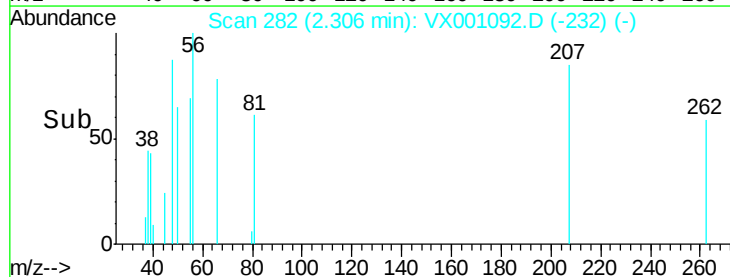
100

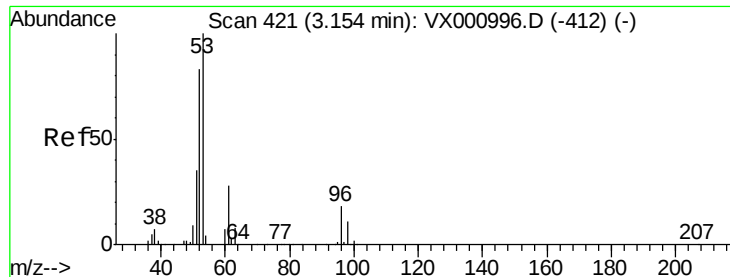
50

0

2.26 2.28 2.30 2.32

Time-->





#15

Acrylonitrile

Concen: 0.24 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001092.D

Acq: 24 Apr 2018 22:44

Instrument :

MSVOA_X

ClientSampleId :

LF014MW080-180416

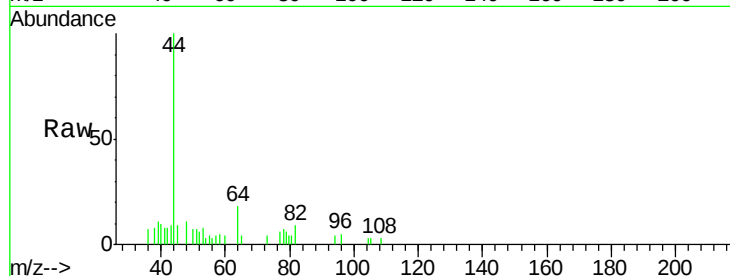
Tgt Ion: 53 Resp: 286

Ion Ratio Lower Upper

53 100

52 32.2 66.4 99.6#

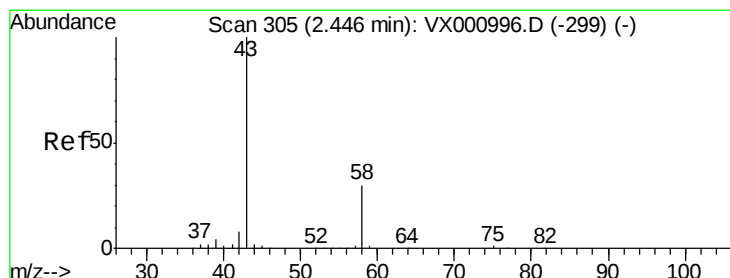
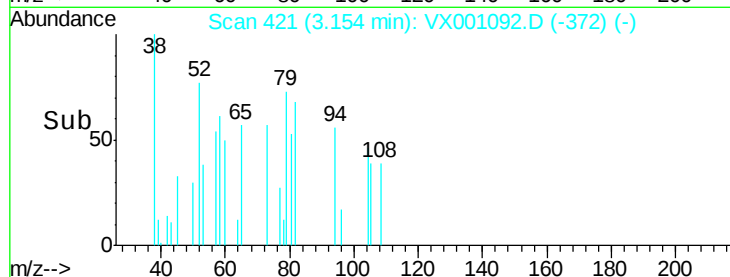
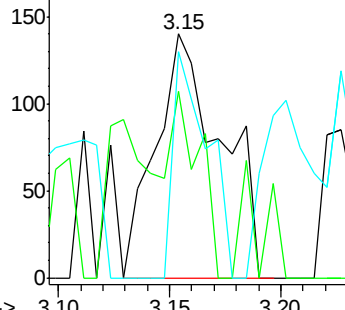
51 49.3 29.0 43.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.38 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX001092.D

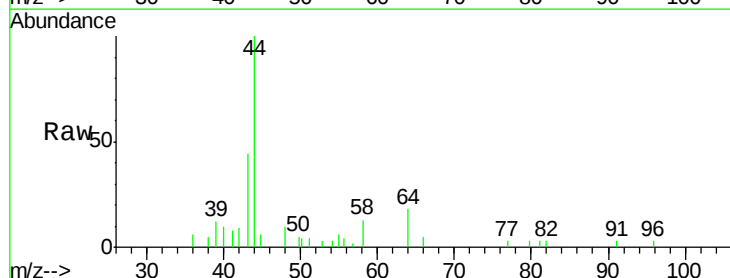
Acq: 24 Apr 2018 22:44

Tgt Ion: 43 Resp: 1521

Ion Ratio Lower Upper

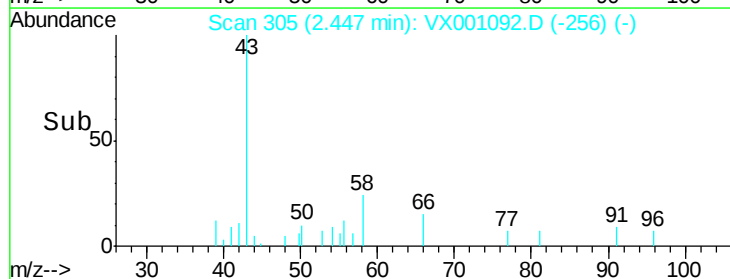
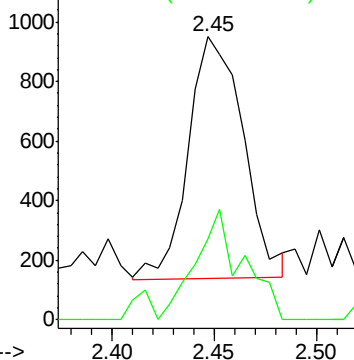
43 100

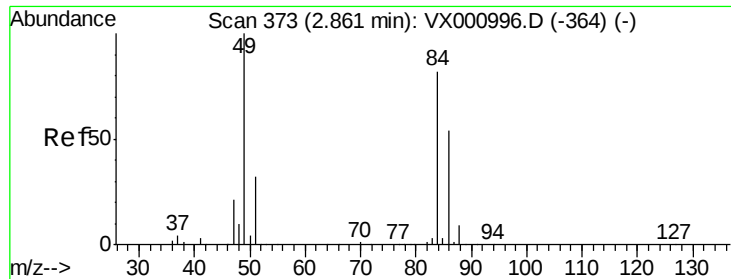
58 33.9 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

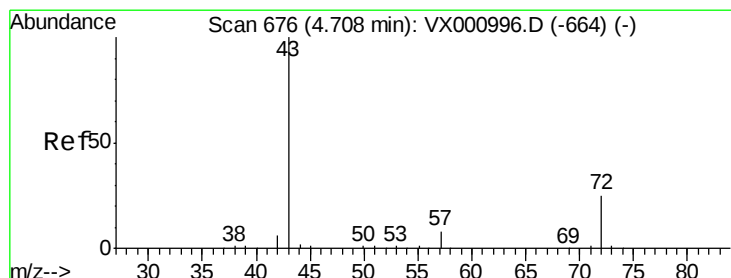
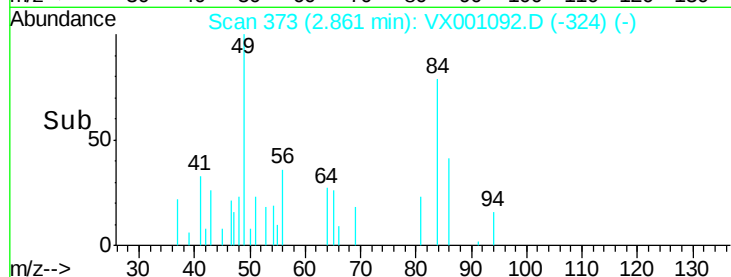
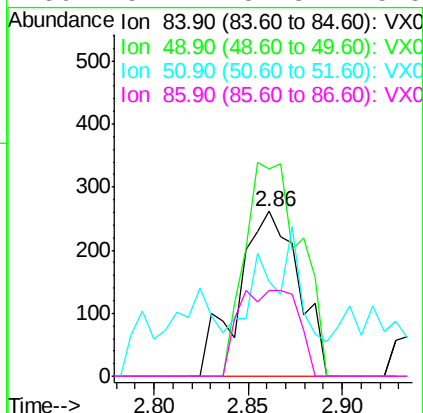
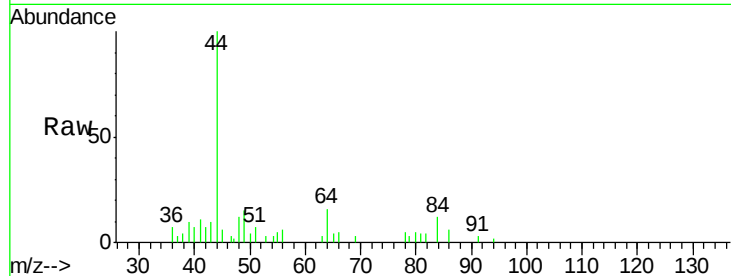




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001092.D
Acq: 24 Apr 2018 22:44

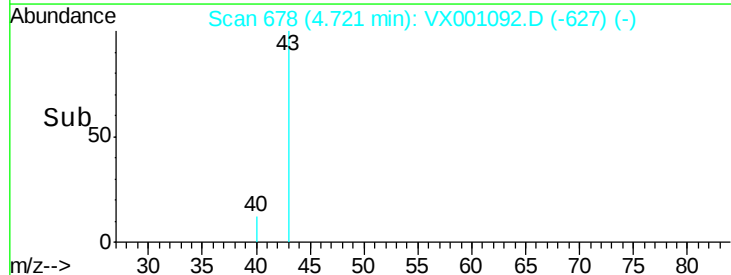
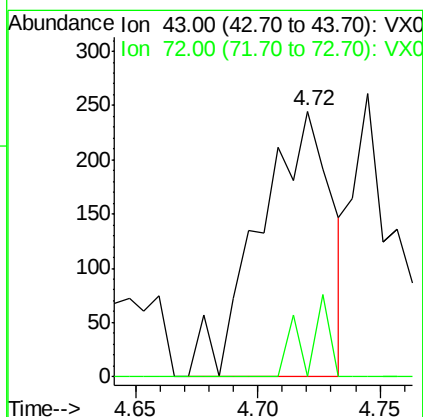
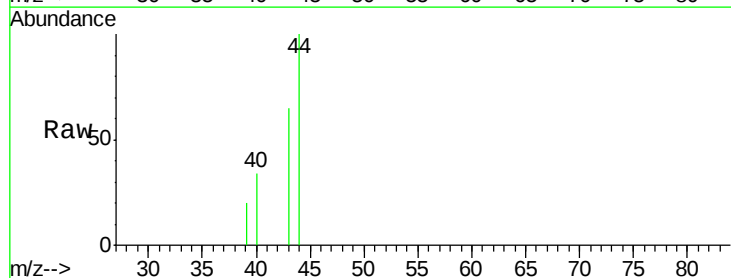
Instrument :
MSVOA_X
ClientSampleId :
LF014MW080-180416

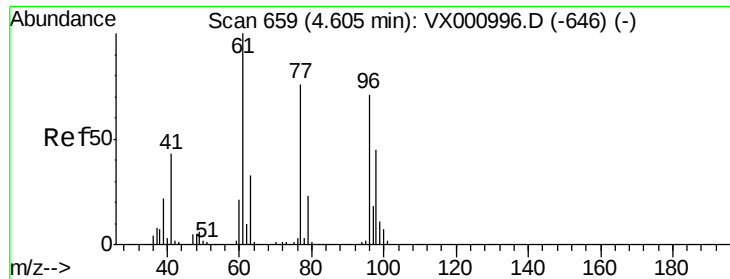
Tgt Ion: 84 Resp: 580
Ion Ratio Lower Upper
84 100
49 126.1 97.1 145.7
51 27.6 30.8 46.2#
86 52.1 52.3 78.5#



#25
2-Butanone
Concen: 0.29 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX001092.D
Acq: 24 Apr 2018 22:44

Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



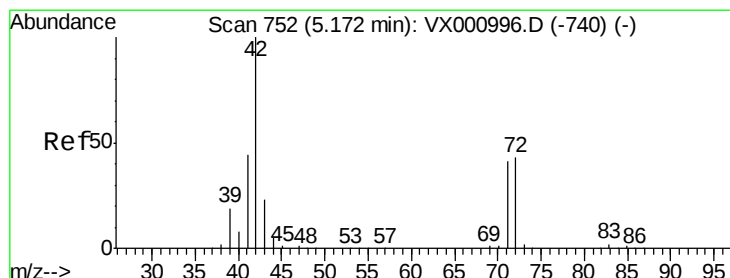
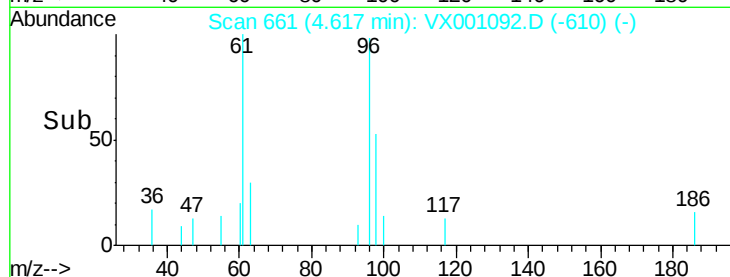
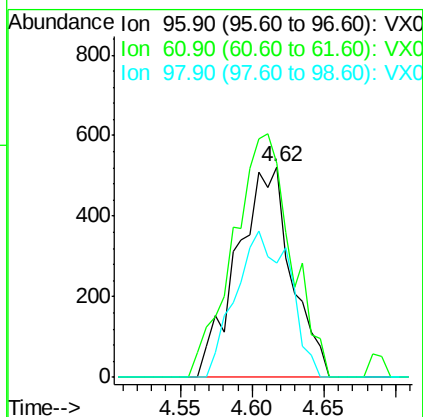
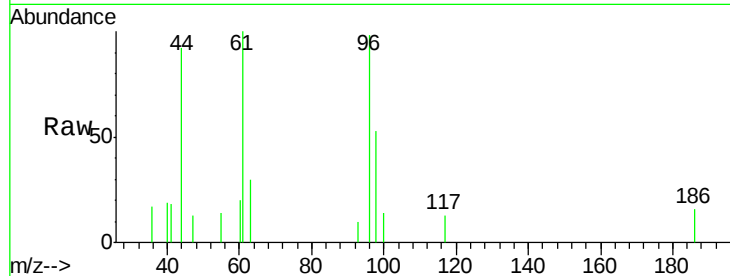


#27

cis-1,2-Dichloroethene
Concen: 0.49 ug/l
RT: 4.62 min Scan# 661
Delta R.T. 0.01 min
Lab File: VX001092.D
Acq: 24 Apr 2018 22:44

Instrument :
MSVOA_X
ClientSampleId :
LF014MW080-180416

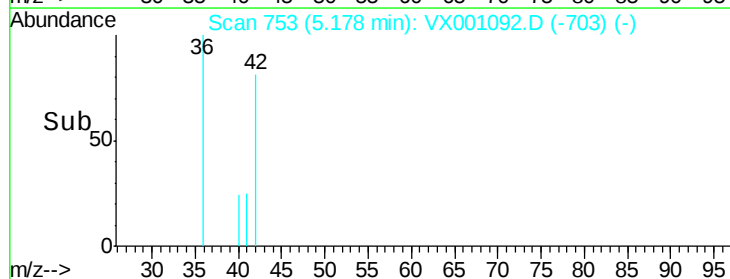
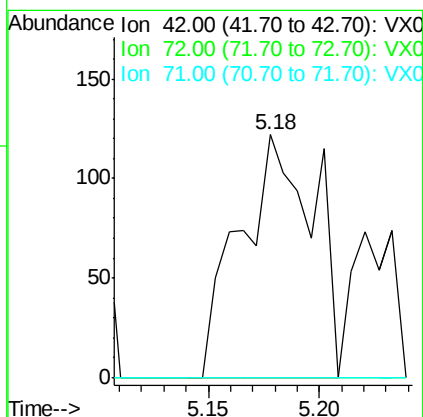
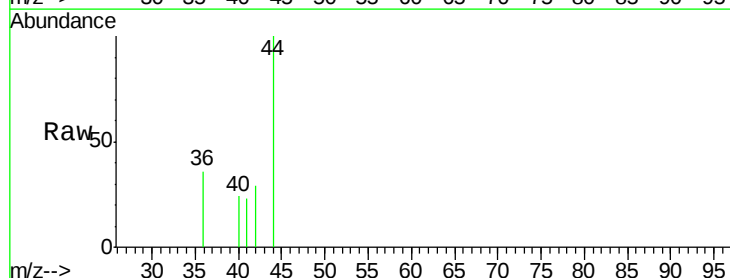
Tgt Ion: 96 Resp: 1365
Ion Ratio Lower Upper
96 100
61 123.3 0.0 297.0
98 69.0 0.0 130.0

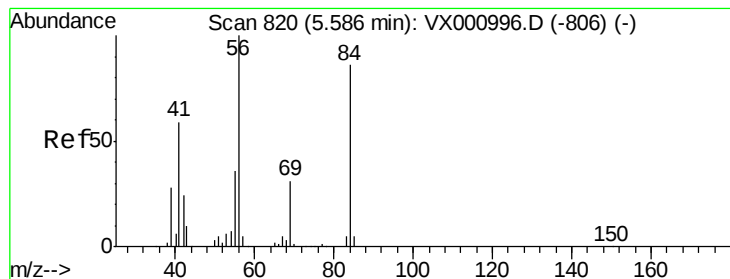


#29

Tetrahydrofuran
Concen: 0.26 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001092.D
Acq: 24 Apr 2018 22:44

Tgt Ion: 42 Resp: 281
Ion Ratio Lower Upper
42 100
72 0.0 34.6 52.0#
71 0.0 32.6 49.0#





#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX001092.D

Acq: 24 Apr 2018 22:44

Instrument :

MSVOA_X

ClientSampleId :

LF014MW080-180416

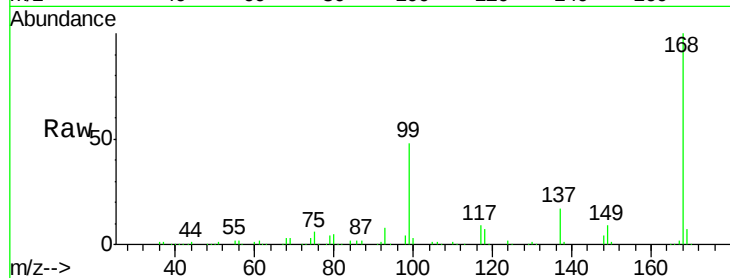
Tgt Ion: 56 Resp: 4447

Ion Ratio Lower Upper

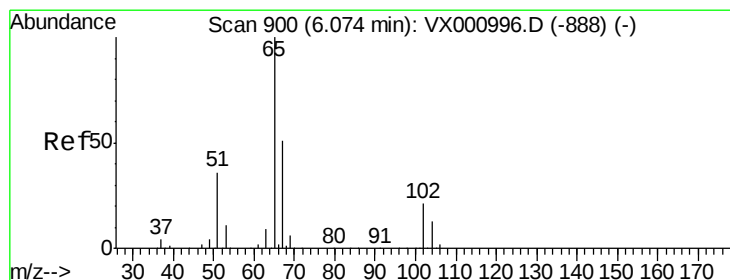
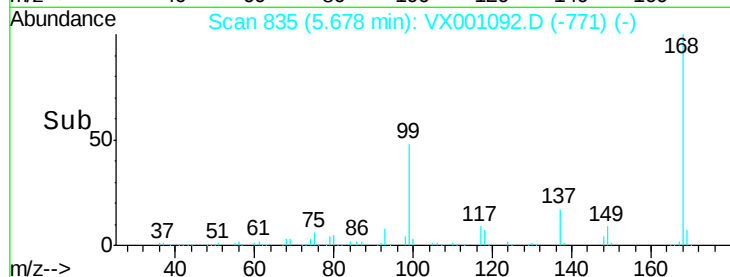
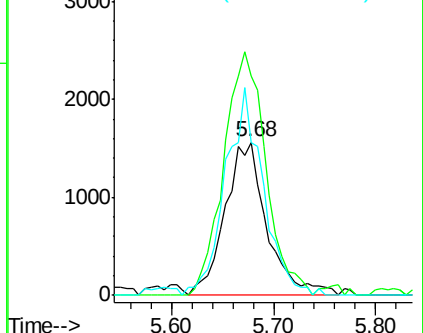
56 100

69 143.4 24.6 36.8#

84 99.8 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: 56.94 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001092.D

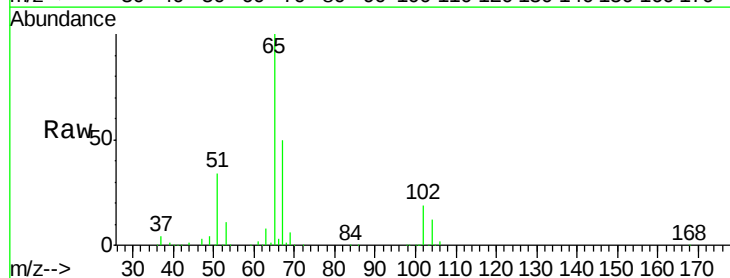
Acq: 24 Apr 2018 22:44

Tgt Ion: 65 Resp: 166342

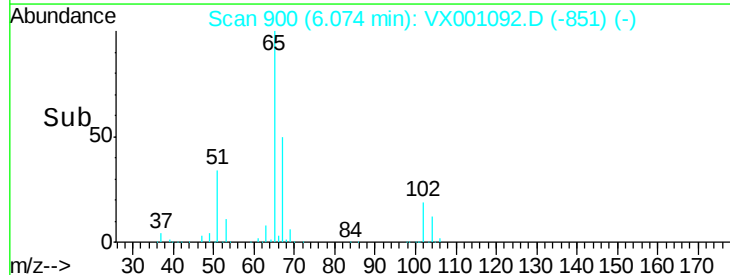
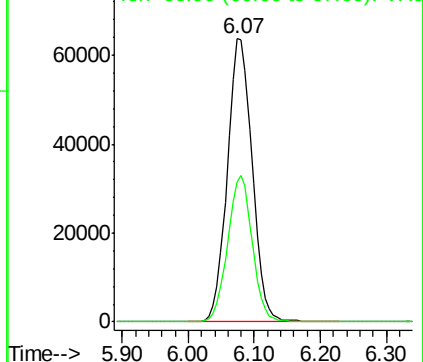
Ion Ratio Lower Upper

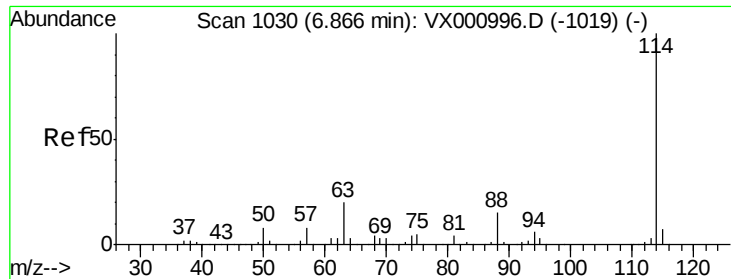
65 100

67 50.7 0.0 102.6



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

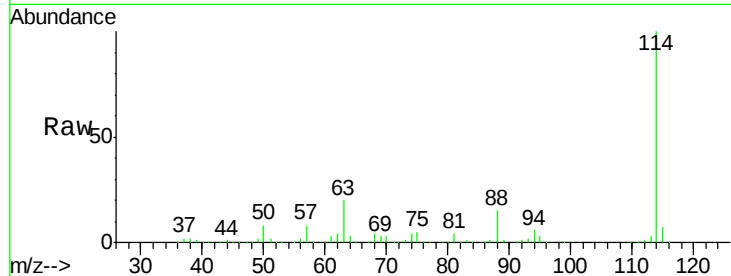




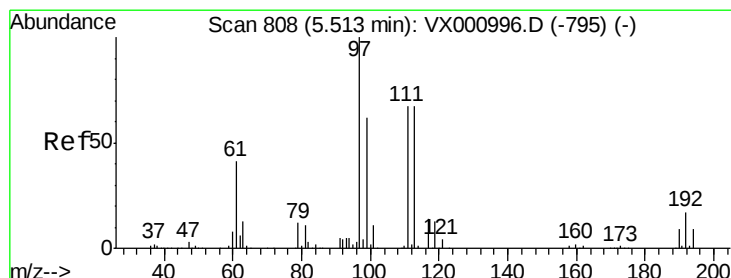
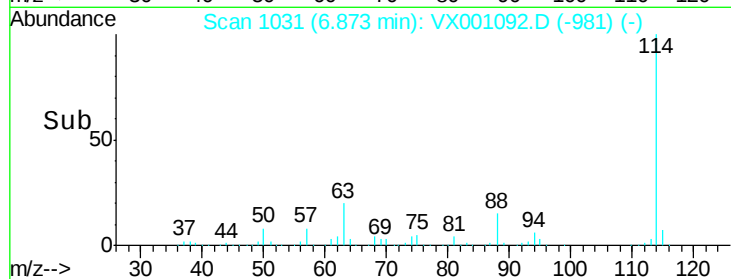
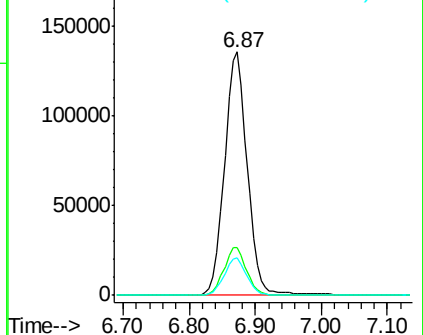
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001092.D
 Acq: 24 Apr 2018 22:44

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW080-180416

Tgt Ion:114 Resp: 322810
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 15.2 0.0 29.8

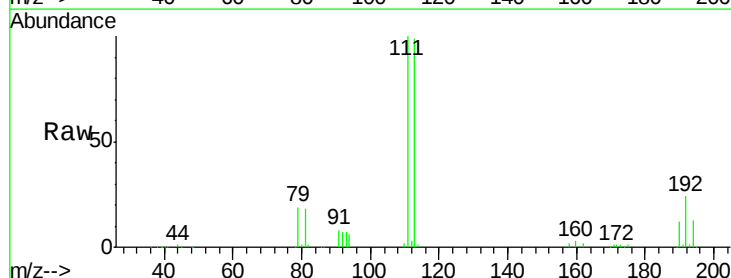


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

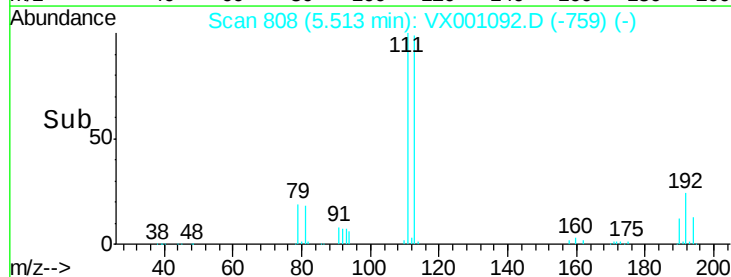
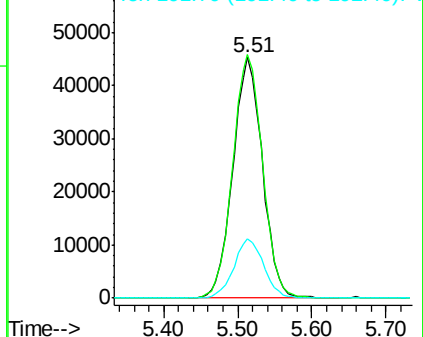


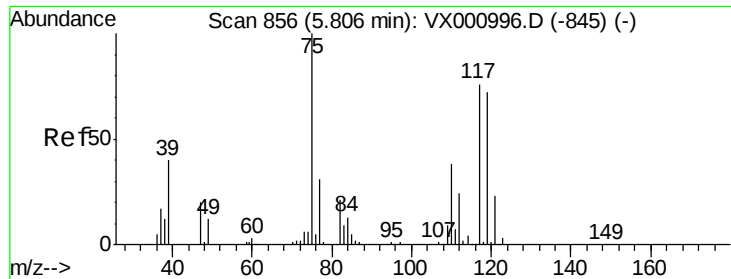
#35
 Dibromofluoromethane
 Concen: 51.25 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001092.D
 Acq: 24 Apr 2018 22:44

Tgt Ion:113 Resp: 126146
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.2
 192 24.7 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: 3.95 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001092.D

Acq: 24 Apr 2018 22:44

Instrument :

MSVOA_X

ClientSampleId :

LF014MW080-180416

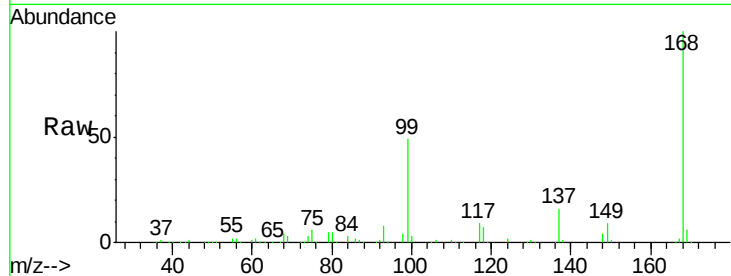
Tgt Ion: 75 Resp: 15003

Ion Ratio Lower Upper

75 100

110 9.3 18.7 56.1#

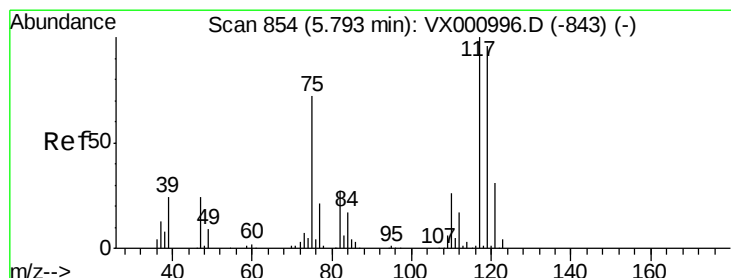
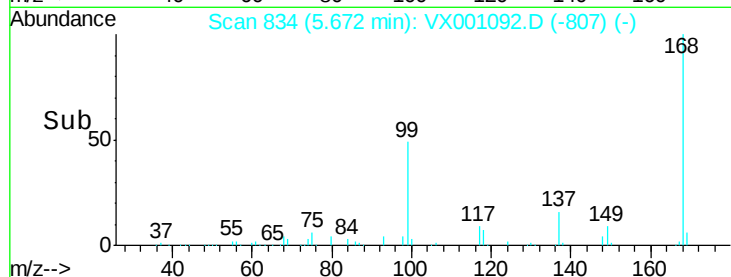
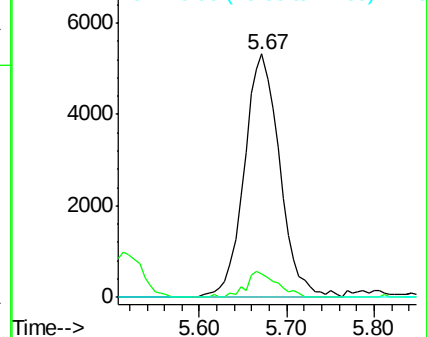
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.17 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001092.D

Acq: 24 Apr 2018 22:44

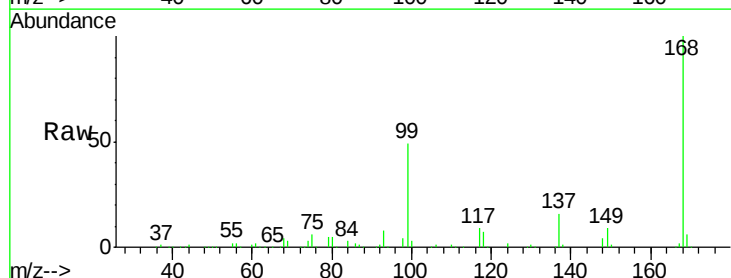
Tgt Ion: 117 Resp: 19862

Ion Ratio Lower Upper

117 100

119 5.0 76.5 114.7#

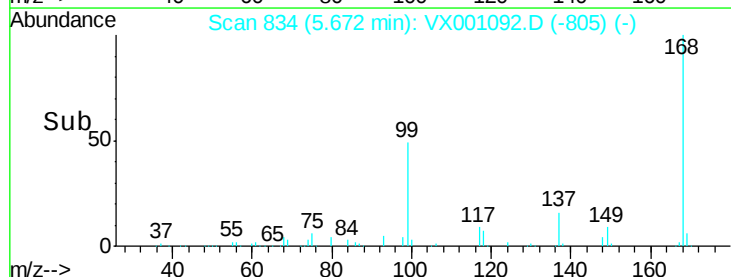
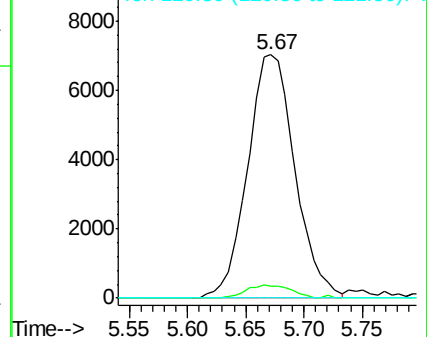
121 0.0 24.5 36.7#

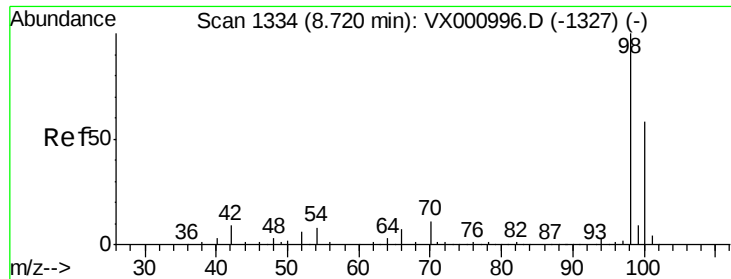


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.71 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001092.D

Acq: 24 Apr 2018 22:44

Instrument :

MSVOA_X

ClientSampleId :

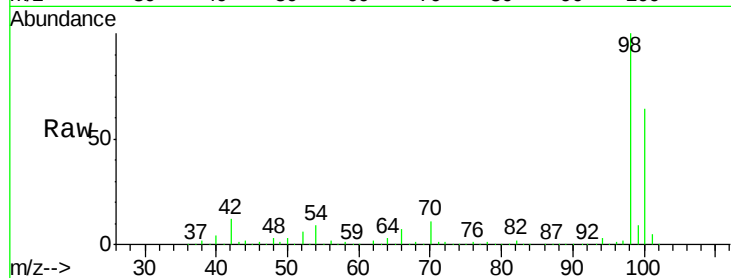
LF014MW080-180416

Tgt Ion: 98 Resp: 479745

Ion Ratio Lower Upper

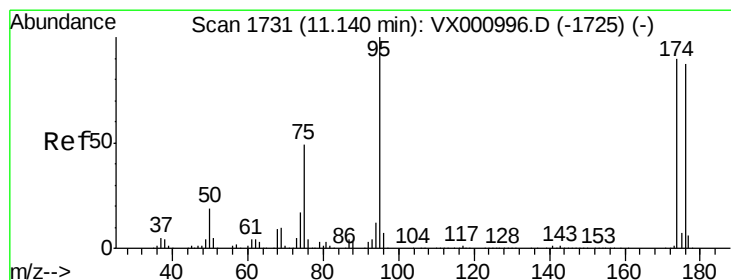
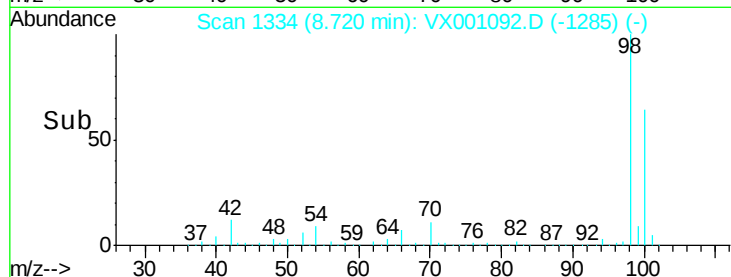
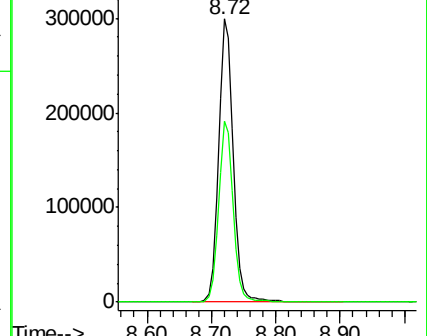
98 100

100 63.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 42.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001092.D

Acq: 24 Apr 2018 22:44

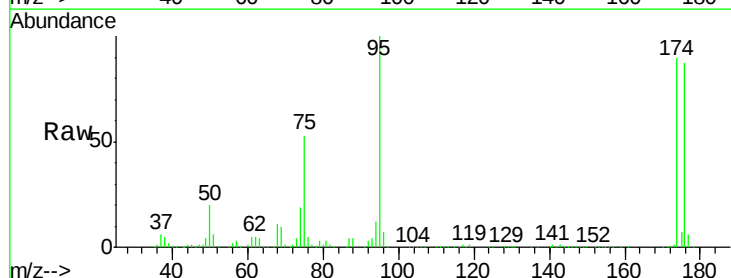
Tgt Ion: 95 Resp: 160504

Ion Ratio Lower Upper

95 100

174 97.7 0.0 198.4

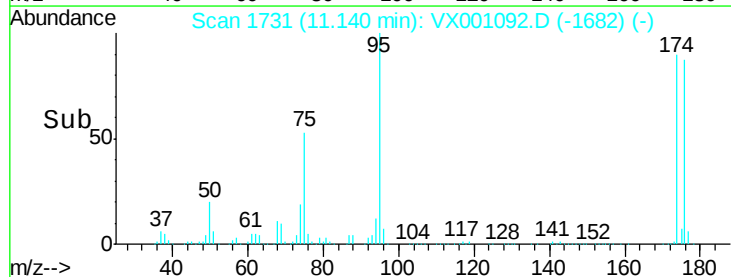
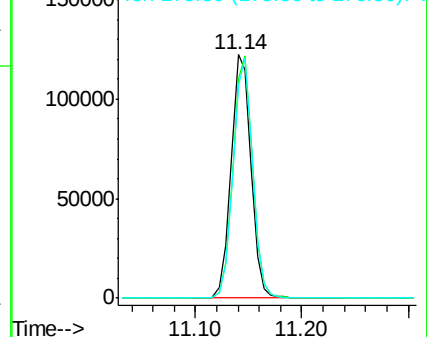
176 96.4 0.0 192.0

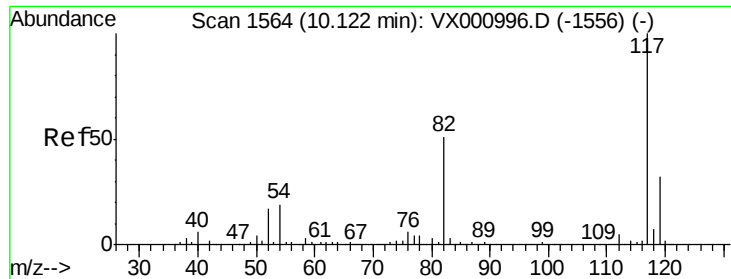


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

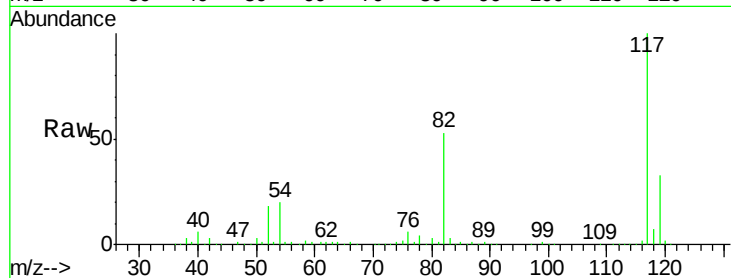




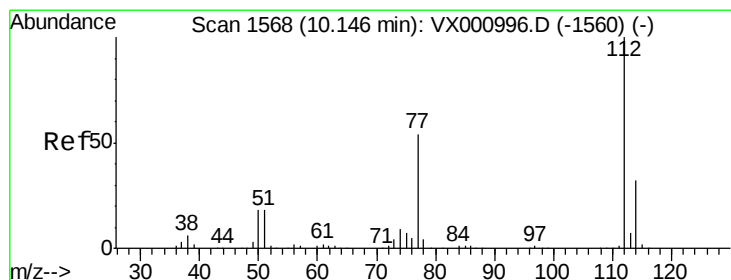
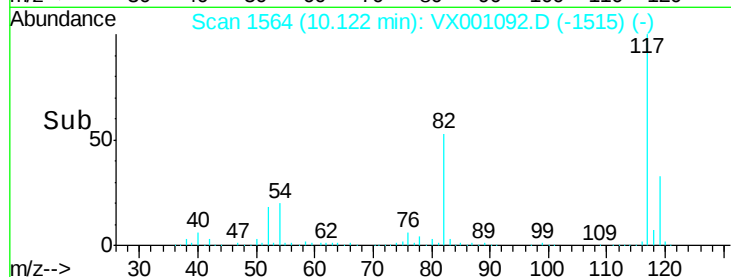
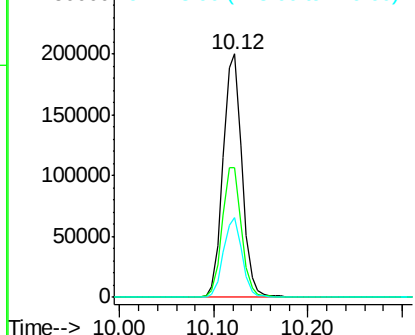
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001092.D
Acq: 24 Apr 2018 22:44

Instrument :
MSVOA_X
ClientSampleId :
LF014MW080-180416

Tgt Ion:117 Resp: 280141
Ion Ratio Lower Upper
117 100
82 53.1 40.6 60.8
119 32.8 26.0 39.0

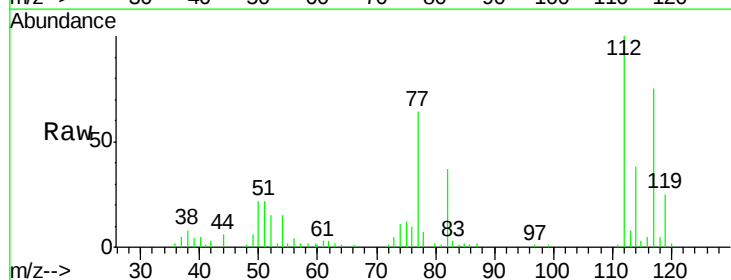


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

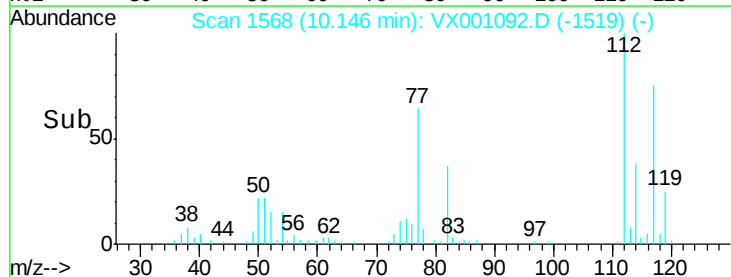
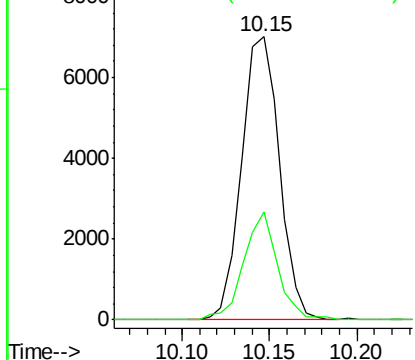


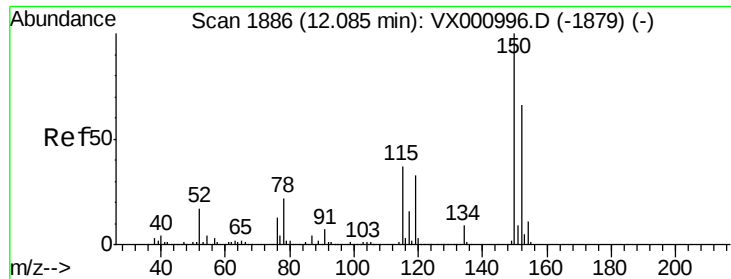
#65
Chlorobenzene
Concen: 1.41 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001092.D
Acq: 24 Apr 2018 22:44

Tgt Ion:112 Resp: 10518
Ion Ratio Lower Upper
112 100
114 38.0 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: VX001092.D

Acq: 24 Apr 2018 22:44

Instrument :

MSVOA_X

ClientSampleId :

LF014MW080-180416

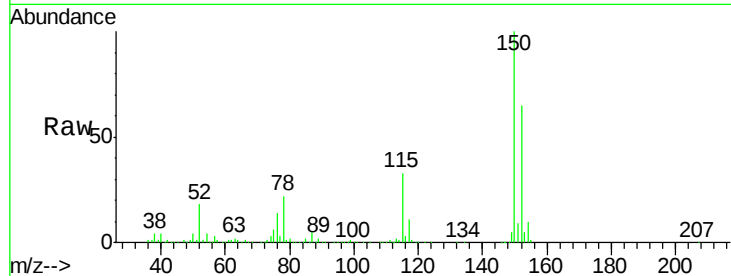
Tgt Ion:152 Resp: 151781

Ion Ratio Lower Upper

152 100

115 54.2 38.2 114.6

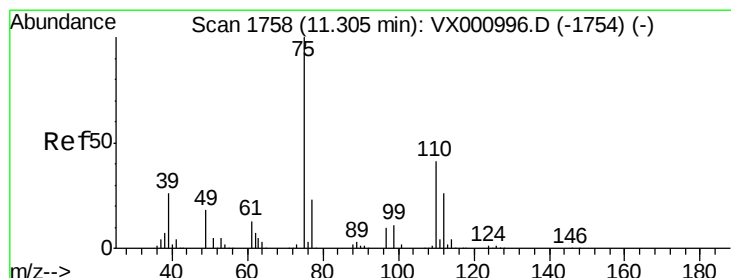
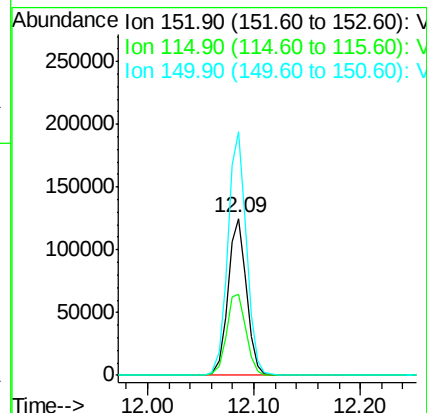
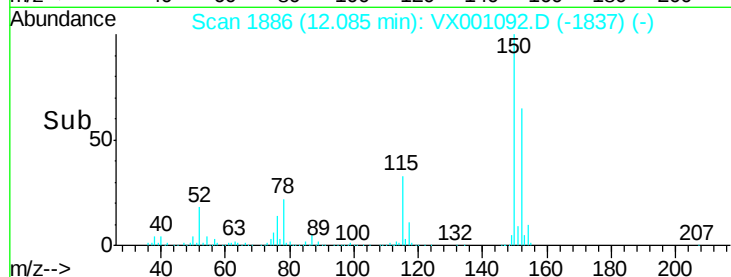
150 156.2 0.0 350.4



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: 31.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001092.D

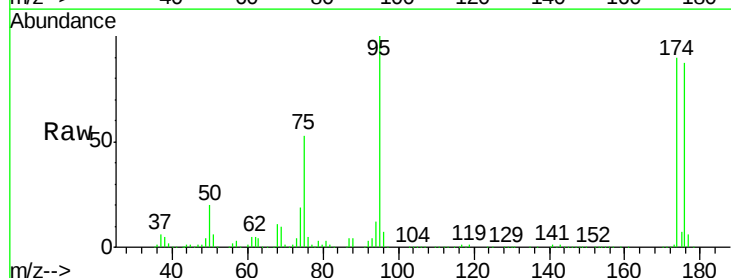
Acq: 24 Apr 2018 22:44

Tgt Ion: 75 Resp: 82397

Ion Ratio Lower Upper

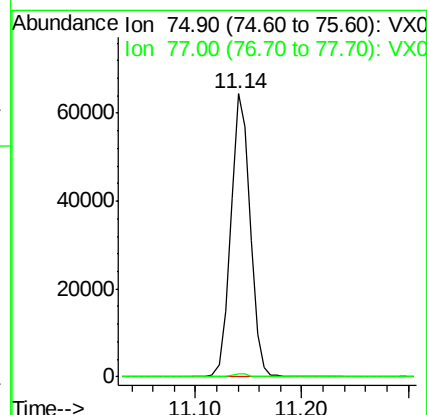
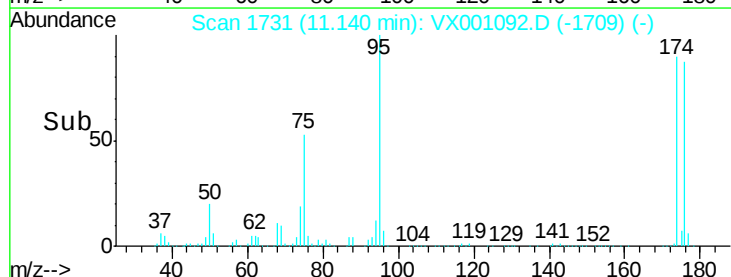
75 100

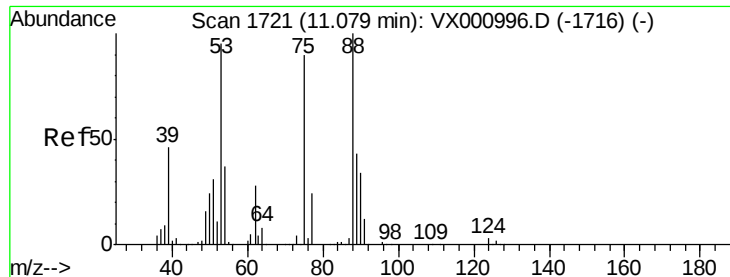
77 1.1 19.6 58.7#



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: 93.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001092.D

Acq: 24 Apr 2018 22:44

Instrument :

MSVOA_X

ClientSampleId :

LF014MW080-180416

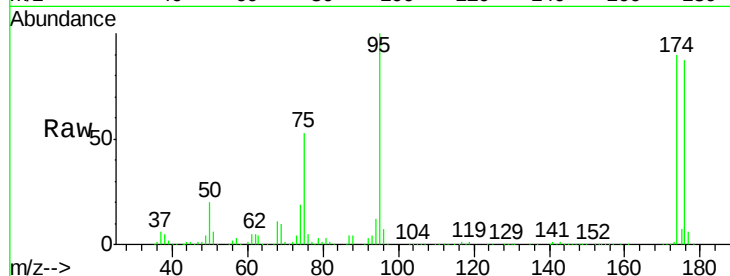
Tgt Ion: 75 Resp: 82397

Ion Ratio Lower Upper

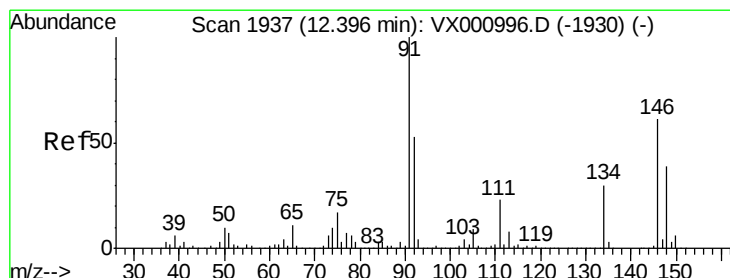
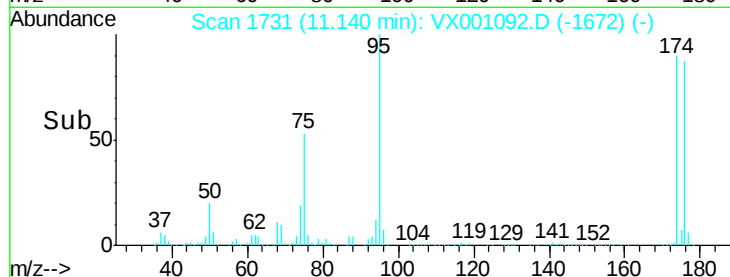
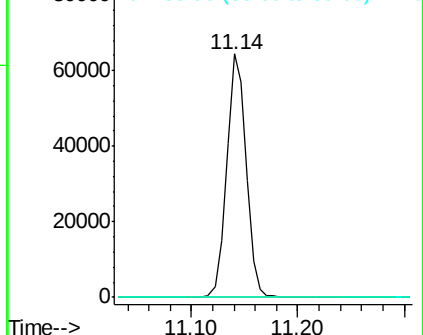
75 100

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



#91

1,2-Dichlorobenzene

Concen: 0.21 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001092.D

Acq: 24 Apr 2018 22:44

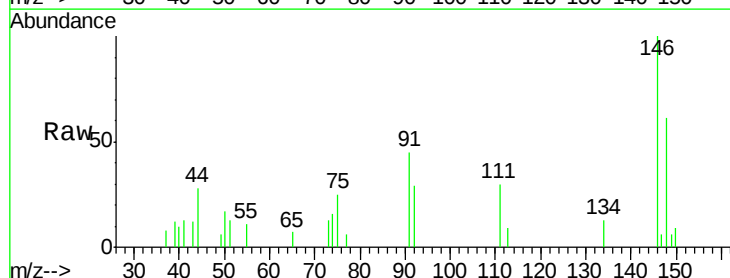
Tgt Ion: 146 Resp: 1112

Ion Ratio Lower Upper

146 100

111 39.3 18.6 56.0

148 60.6 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

