

Data File : VX000894.D

Acq On : 15 Apr 2018 14:04

Operator : JC/MD

Sample : ZHE-05 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#05 5X

Quant Time: Apr 16 07:37:49 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M

Quant Title : SW846 8260

QLast Update : Tue Apr 10 15:49:28 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	366441	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	206787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	161603	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
35) Dibromofluoromethane	5.51	113	129430	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
50) Toluene-d8	8.72	98	506893	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.14	95	190427	43.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.58%	

Target Compounds

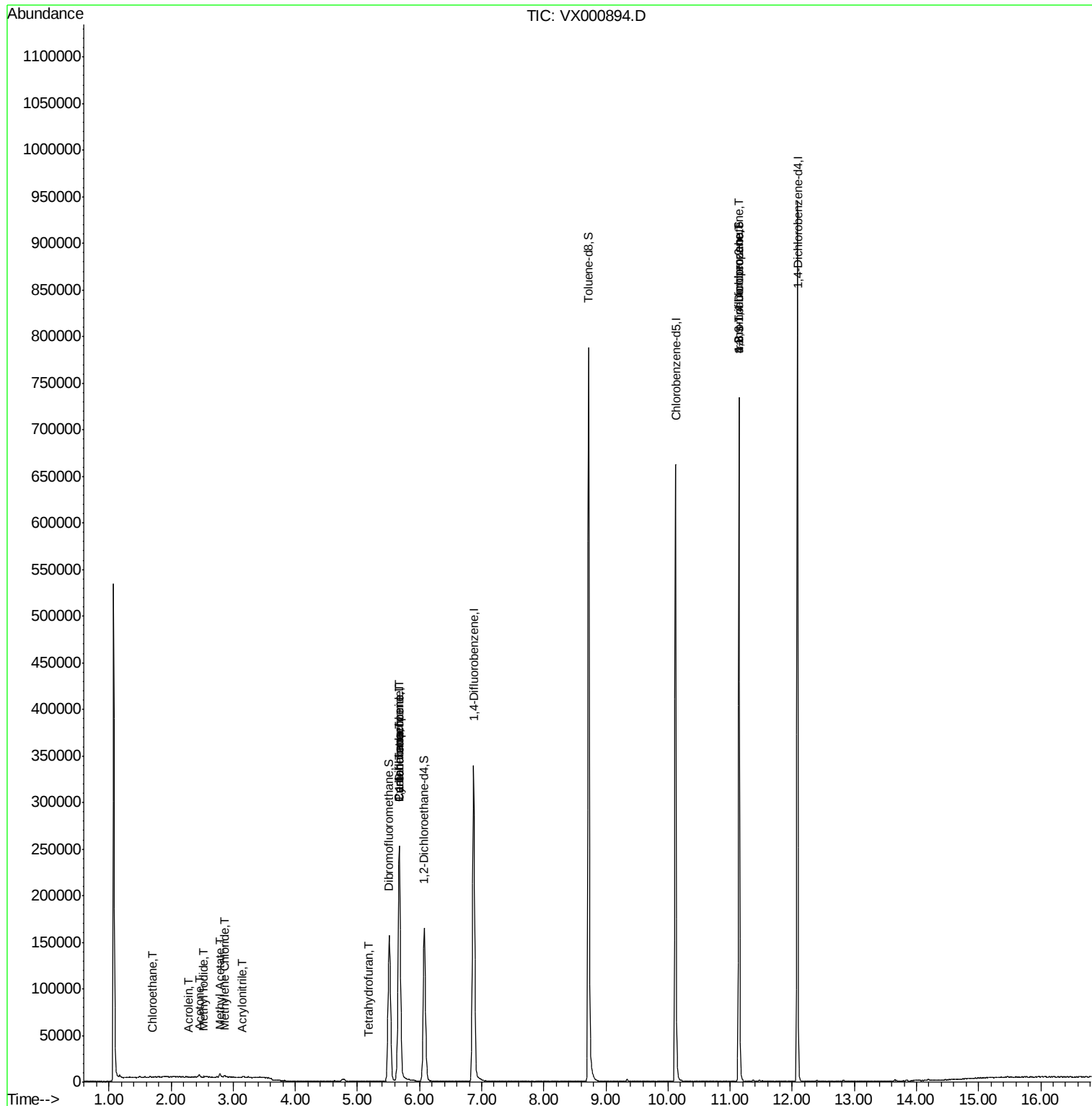
						Qvalue
5) Bromomethane	1.66	94	351	Below Cal	#	64
6) Chloroethane	1.70	64	1541	0.84	ug/l #	43
10) Methyl Iodide	2.53	142	91	8.27	ug/l #	42
13) Acrolein	2.29	56	242	0.80	ug/l #	43
15) Acrylonitrile	3.15	53	351	0.26	ug/l #	66
16) Acetone	2.45	43	2568	2.12	ug/l	98
18) Methyl Acetate	2.78	43	4370	1.39	ug/l	97
20) Methylene Chloride	2.86	84	1091	0.39	ug/l	97
29) Tetrahydrofuran	5.18	42	657	0.52	ug/l #	48
31) Cyclohexane	5.67	56	4509	0.97	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16182	4.01	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23325	5.16	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	92212	25.86	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	92212	71.13	ug/l #	11

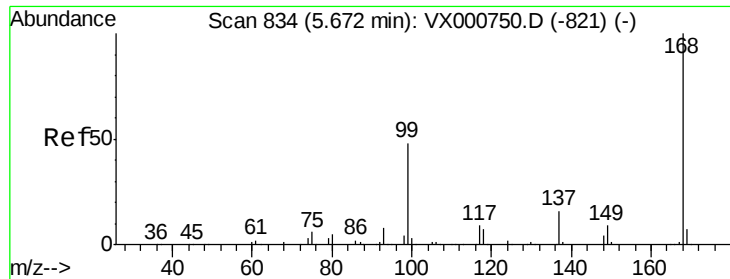
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000894.D

Acq: 15 Apr 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

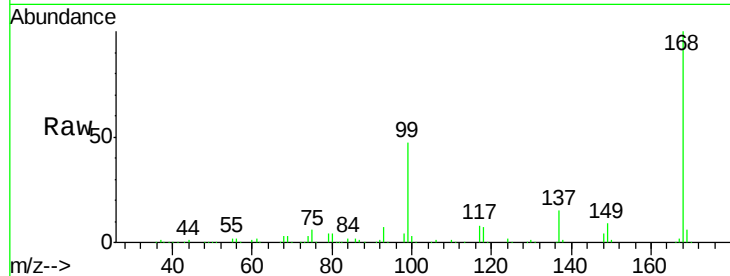
PB108205ZHE#05 5X

Tgt Ion: 168 Resp: 278457

Ion Ratio Lower Upper

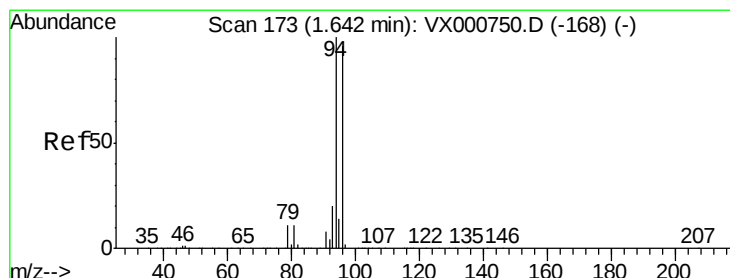
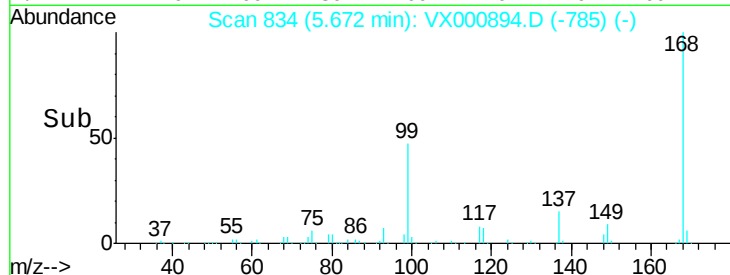
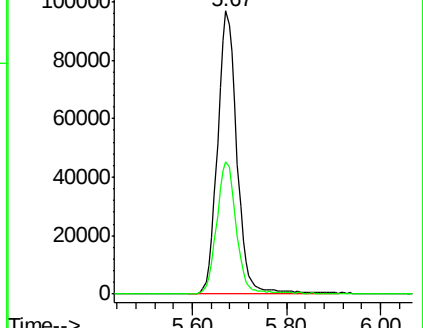
168 100

99 46.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000894.D

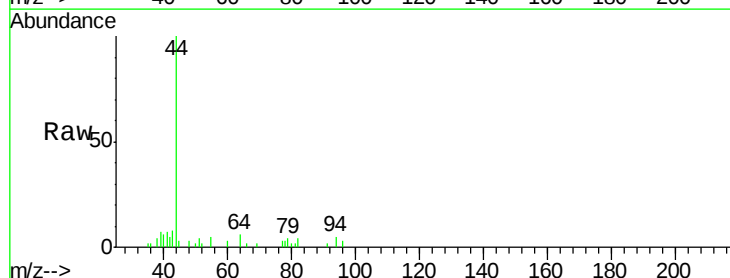
Acq: 15 Apr 2018 14:04

Tgt Ion: 94 Resp: 351

Ion Ratio Lower Upper

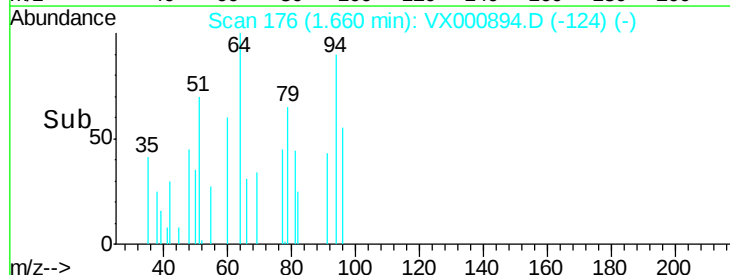
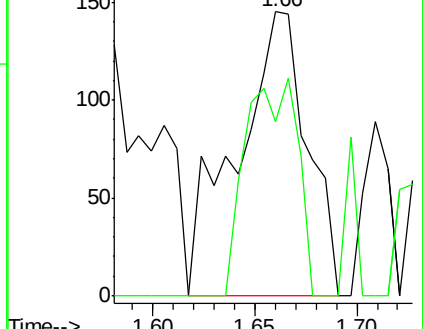
94 100

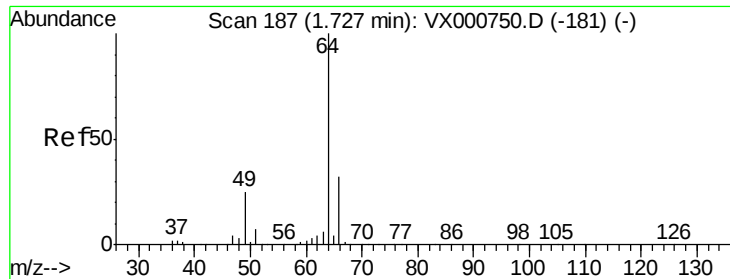
96 61.4 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.84 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

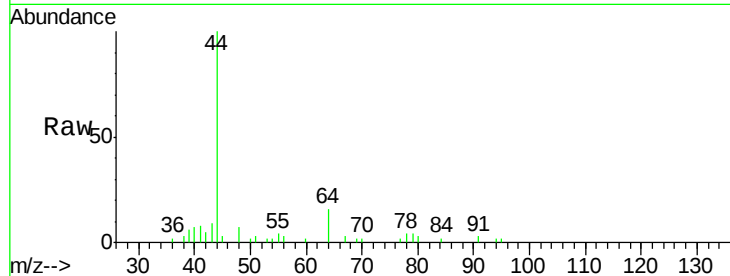
PB108205ZHE#05 5X

Tgt Ion: 64 Resp: 1541

Ion Ratio Lower Upper

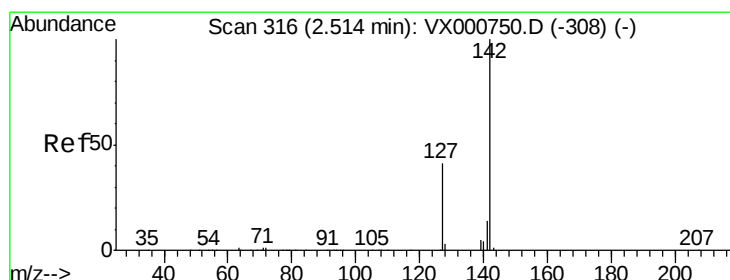
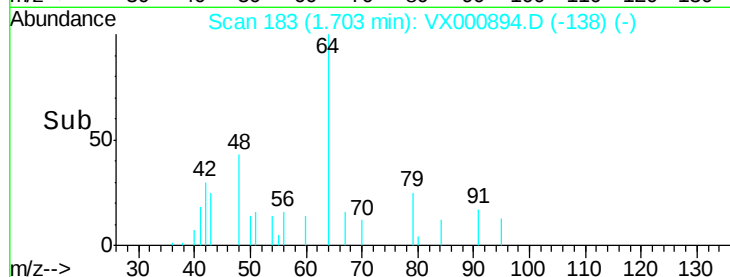
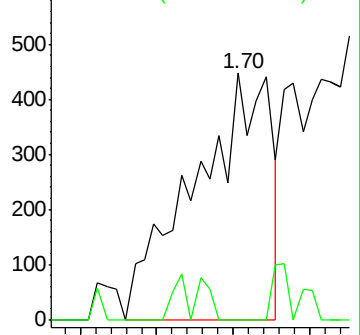
64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 8.27 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

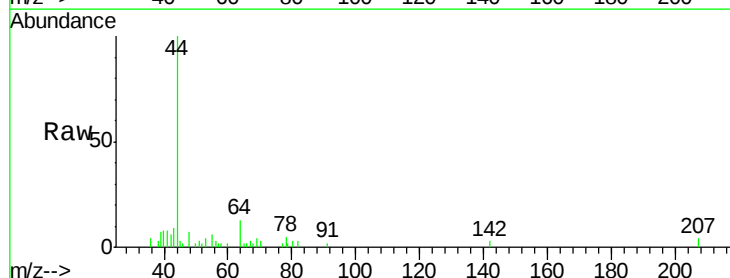
Tgt Ion: 142 Resp: 91

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

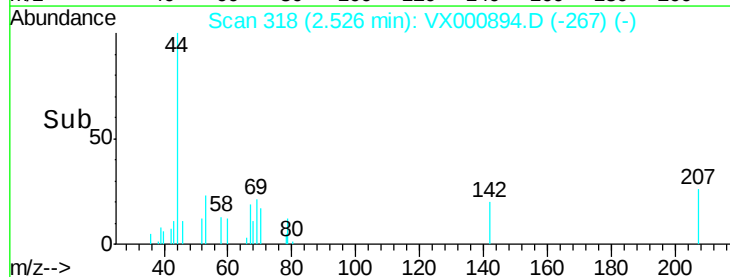
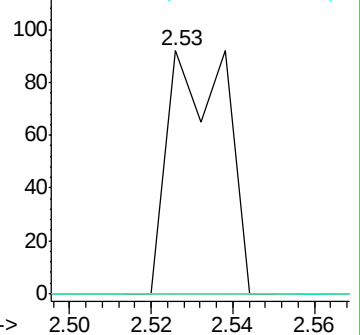
141 0.0 11.5 17.3#

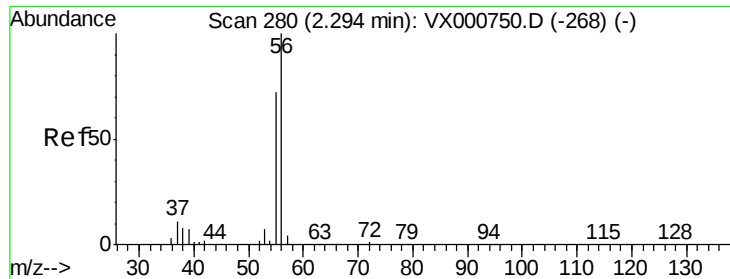


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.80 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

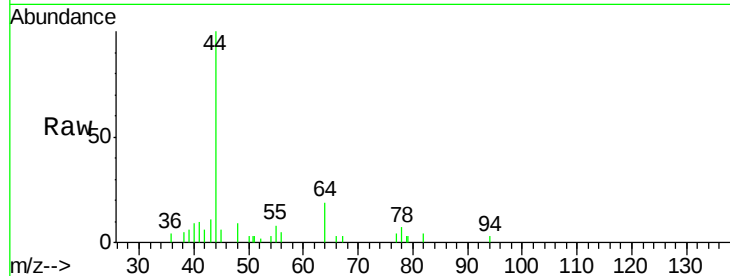
PB108205ZHE#05 5X

Tgt Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 25.2 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

100

50

0

2.29

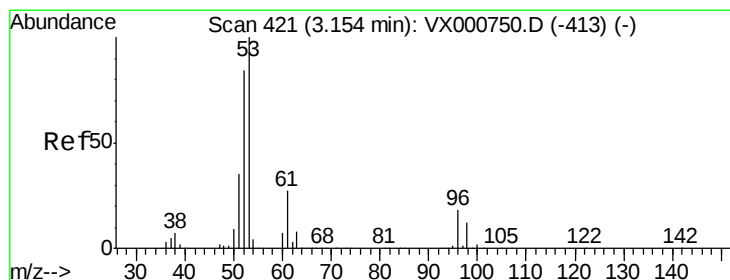
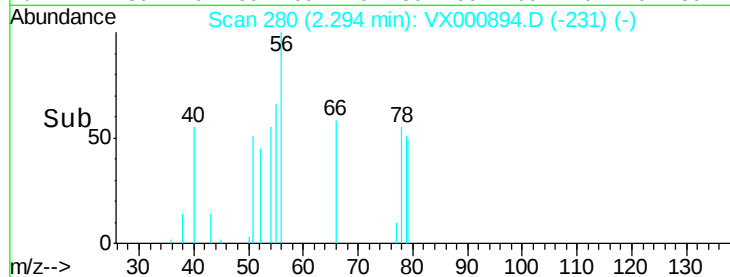
2.26

2.28

2.30

2.32

Time-->



#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

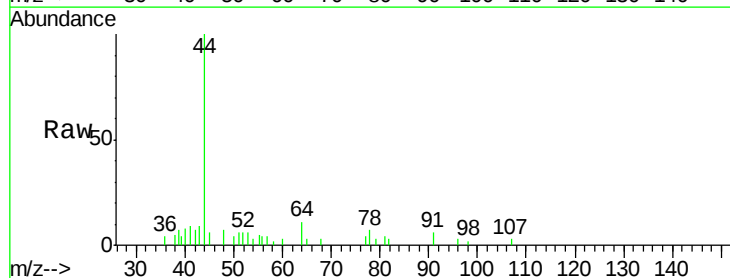
Tgt Ion: 53 Resp: 351

Ion Ratio Lower Upper

53 100

52 45.6 66.5 99.7#

51 45.9 28.8 43.2#



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

150

100

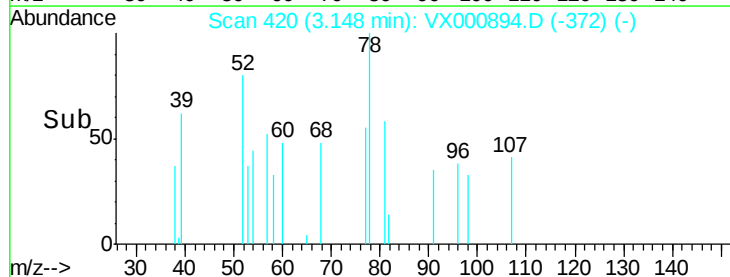
50

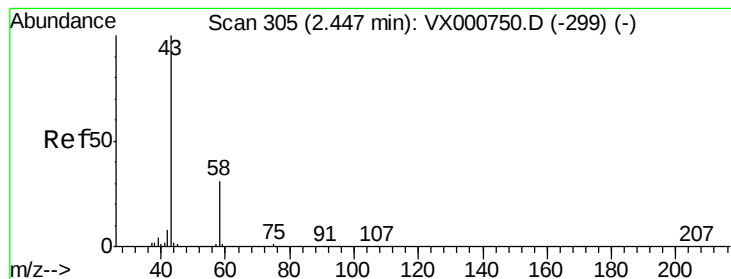
0

3.15

3.10

Time-->





#16

Acetone

Concen: 2.12 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

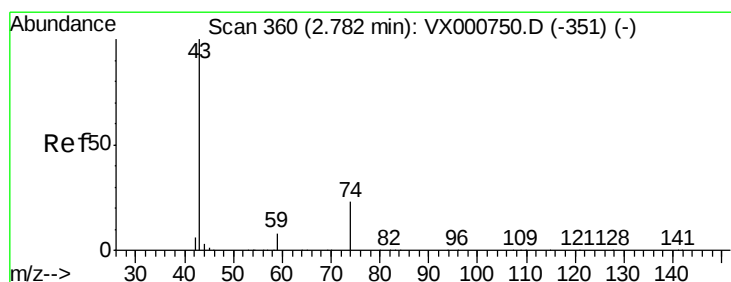
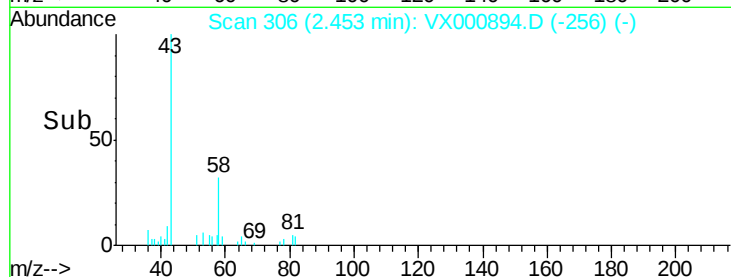
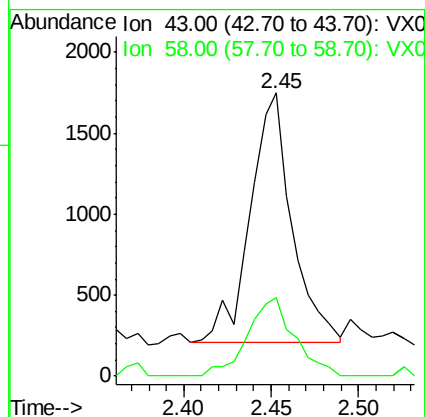
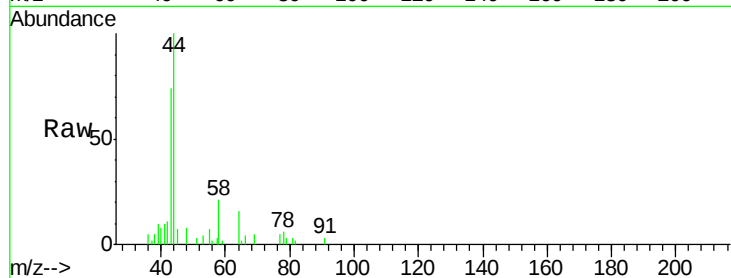
PB108205ZHE#05 5X

Tgt Ion: 43 Resp: 2568

Ion Ratio Lower Upper

43 100

58 31.7 24.6 37.0



#18

Methyl Acetate

Concen: 1.39 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000894.D

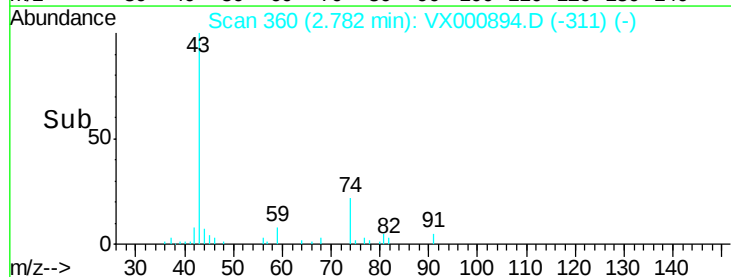
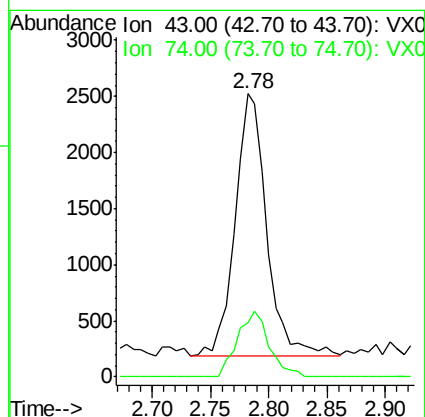
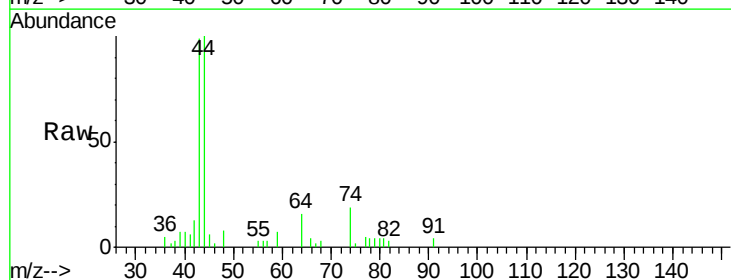
Acq: 15 Apr 2018 14:04

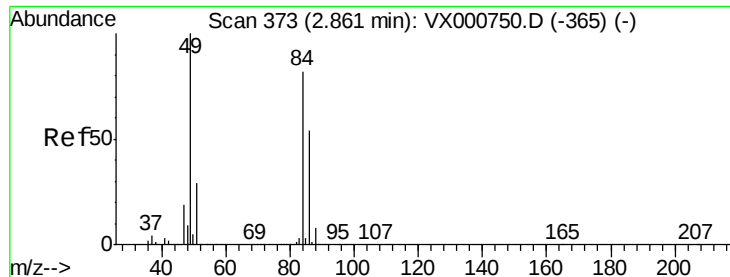
Tgt Ion: 43 Resp: 4370

Ion Ratio Lower Upper

43 100

74 25.4 19.1 28.7





#20

Methylene Chloride

Concen: 0.39 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#05 5X

Tgt Ion: 84 Resp: 1091

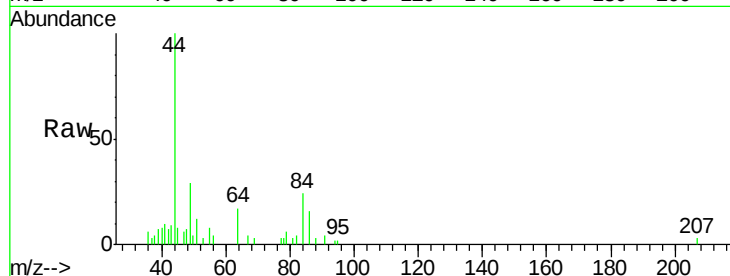
Ion Ratio Lower Upper

84 100

49 117.6 98.1 147.1

51 38.0 28.9 43.3

86 66.4 52.7 79.1

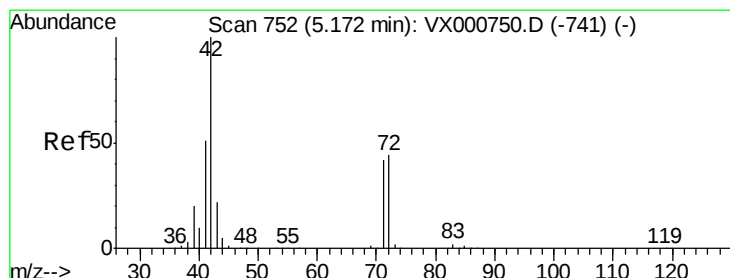
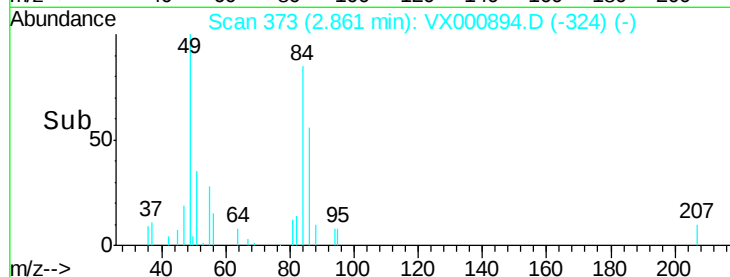
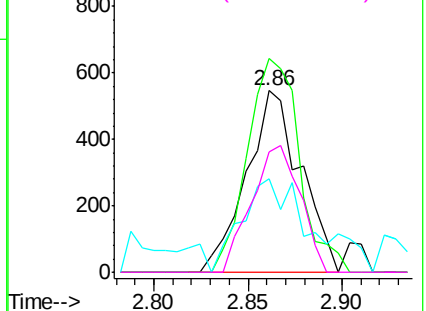


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 0.52 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

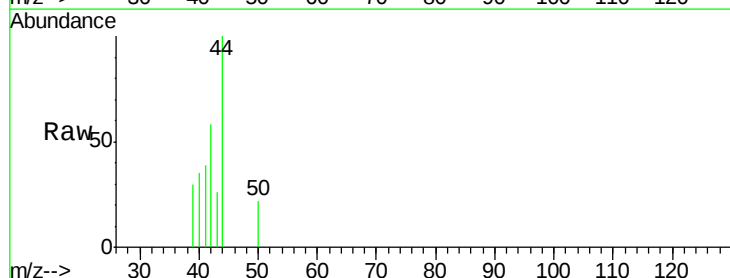
Tgt Ion: 42 Resp: 657

Ion Ratio Lower Upper

42 100

72 12.6 35.1 52.7#

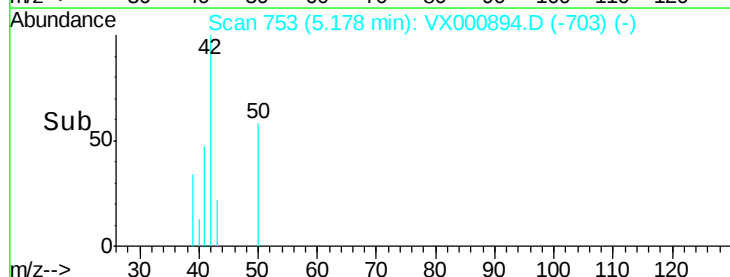
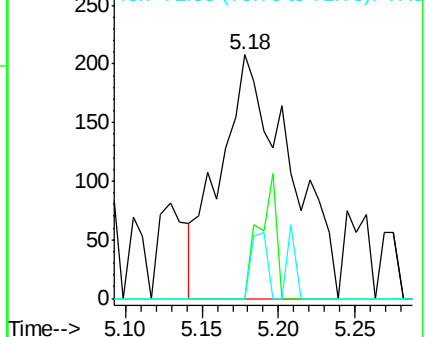
71 6.1 32.8 49.2#

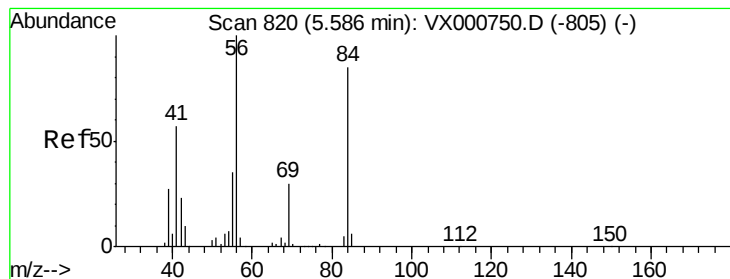


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.97 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#05 5X

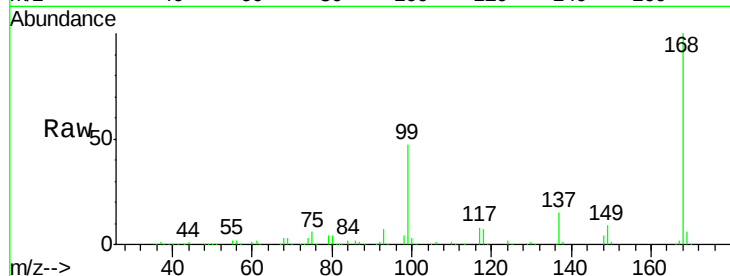
Tgt Ion: 56 Resp: 4509

Ion Ratio Lower Upper

56 100

69 186.9 24.2 36.4#

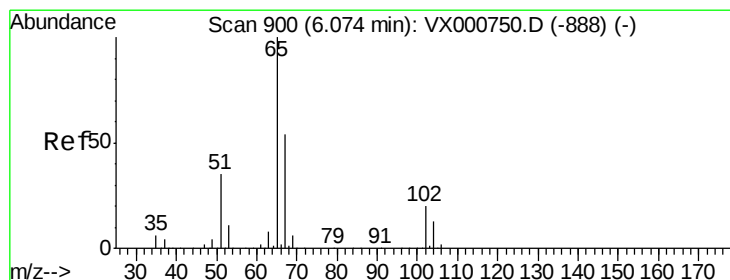
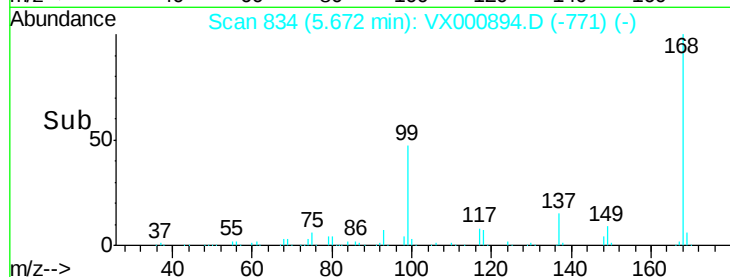
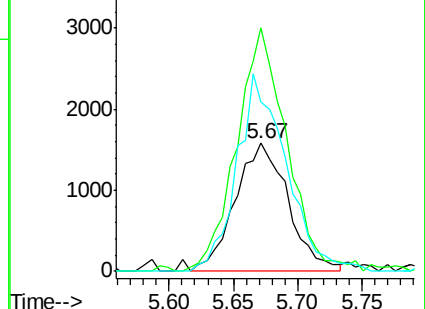
84 132.2 67.6 101.4#



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: 46.03 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX000894.D

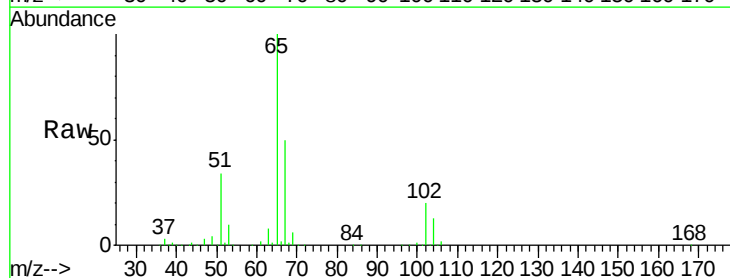
Acq: 15 Apr 2018 14:04

Tgt Ion: 65 Resp: 161603

Ion Ratio Lower Upper

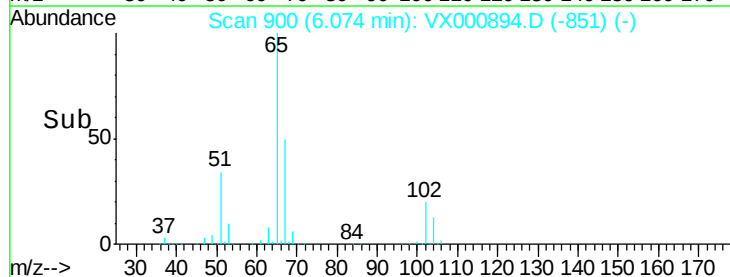
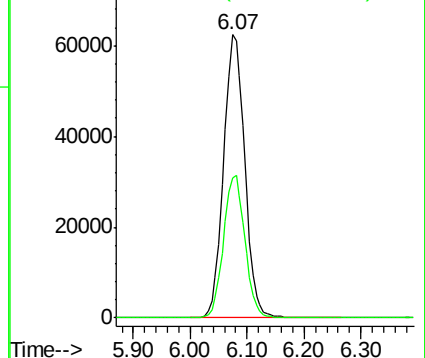
65 100

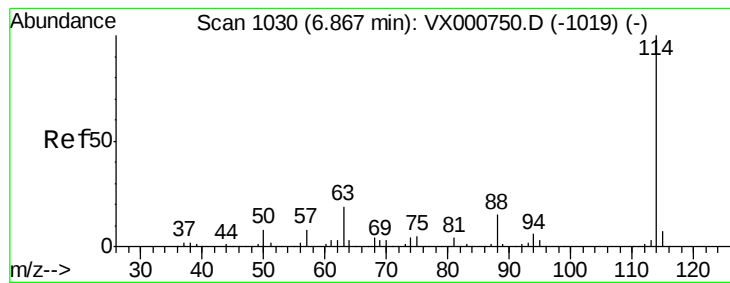
67 50.7 0.0 103.8



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# 1030

Delta R.T. -0.00 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#05 5X

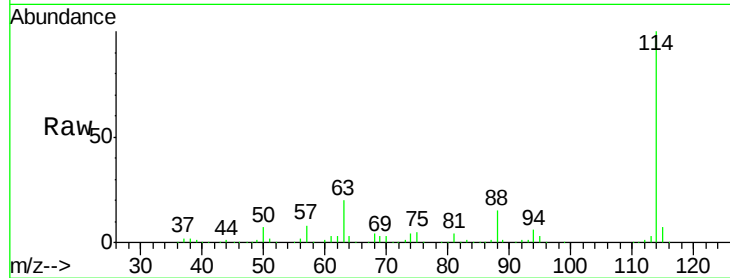
Tgt Ion:114 Resp: 366441

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

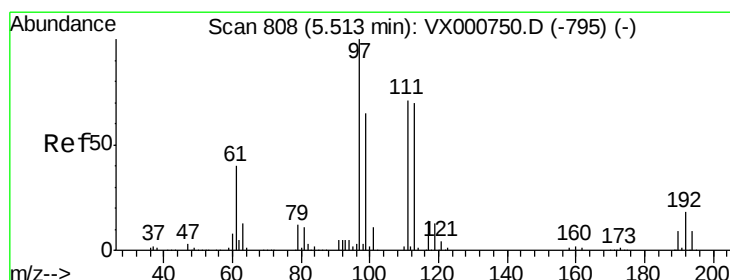
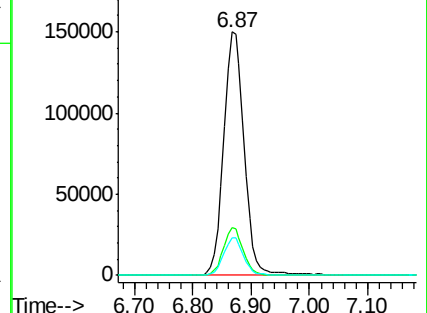
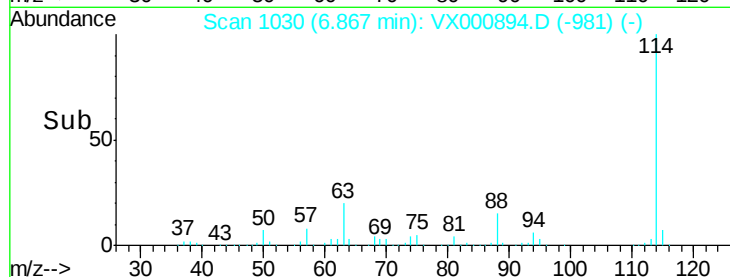
88 15.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.84 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

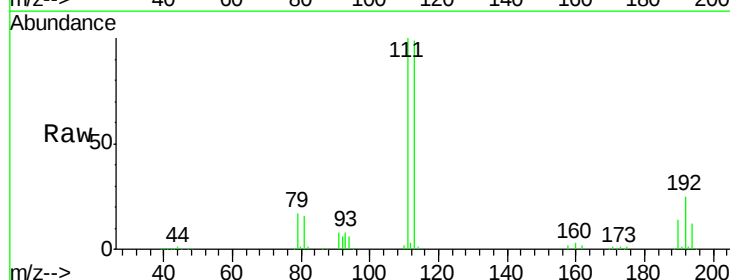
Tgt Ion:113 Resp: 129430

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

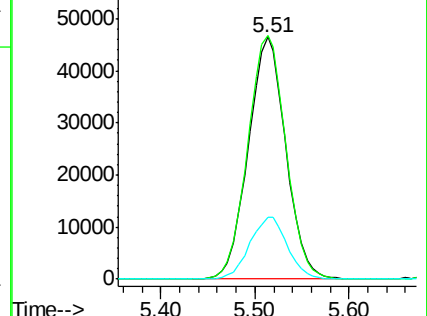
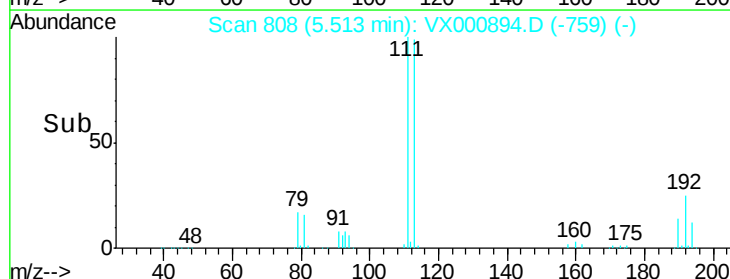
192 25.8 20.4 30.6

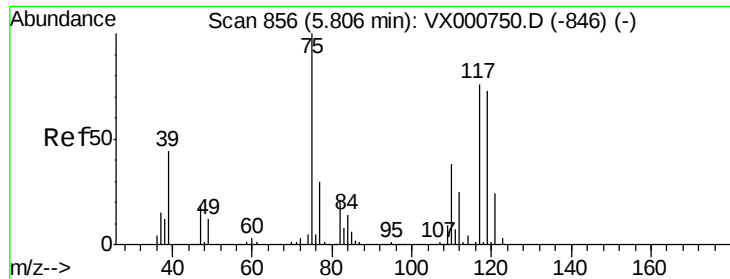


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

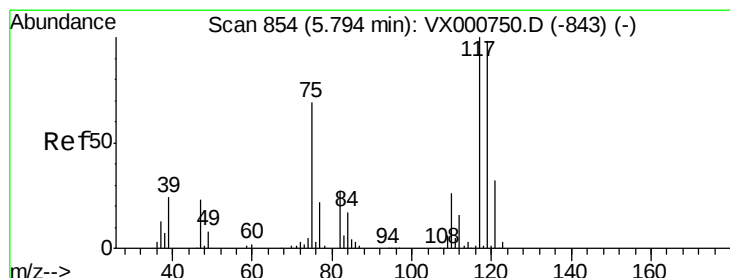
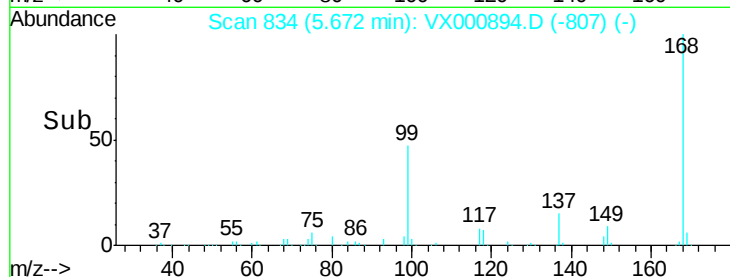
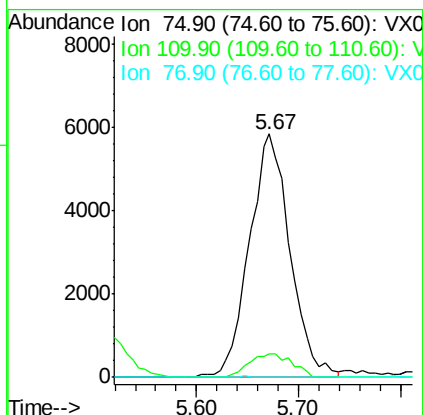
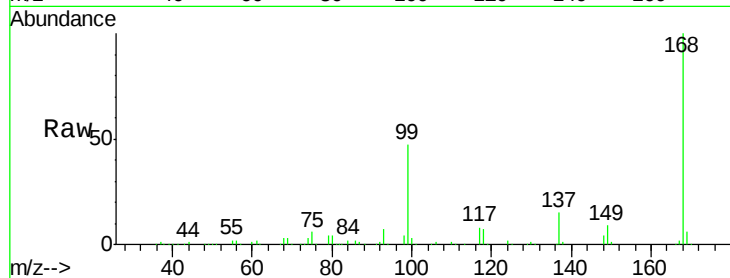




#36
 1,1-Dichloropropene
 Concen: 4.01 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000894.D
 Acq: 15 Apr 2018 14:04

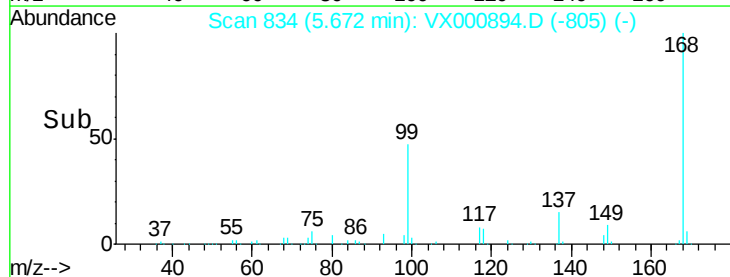
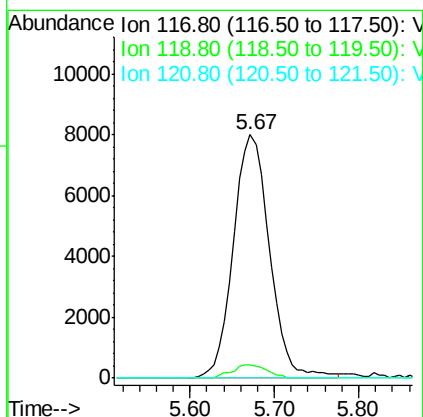
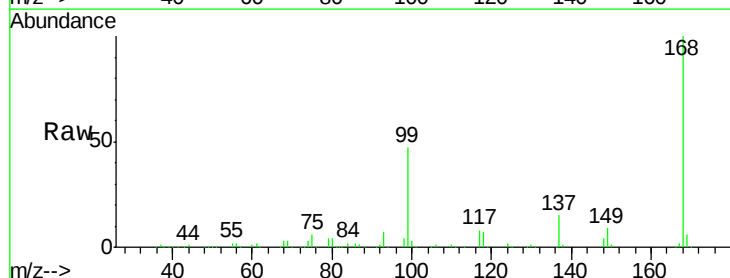
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108205ZHE#05 5X

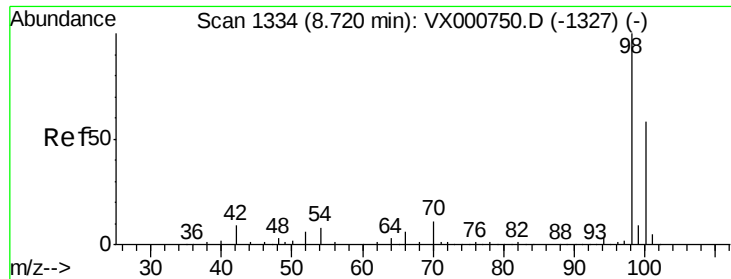
Tgt Ion: 75 Resp: 16182
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.2 57.6#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.16 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000894.D
 Acq: 15 Apr 2018 14:04

Tgt Ion: 117 Resp: 23325
 Ion Ratio Lower Upper
 117 100
 119 5.3 78.4 117.6#
 121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 48.22 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

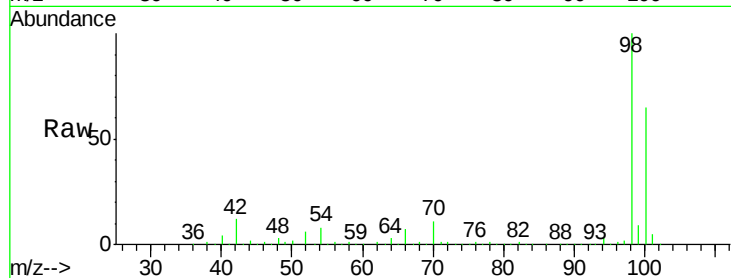
PB108205ZHE#05 5X

Tgt Ion: 98 Resp: 506893

Ion Ratio Lower Upper

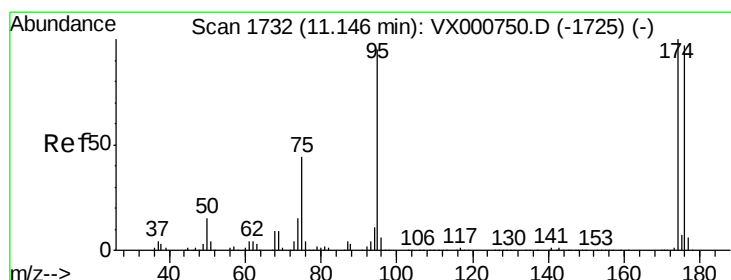
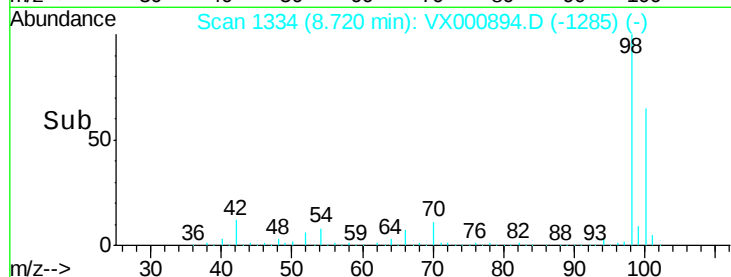
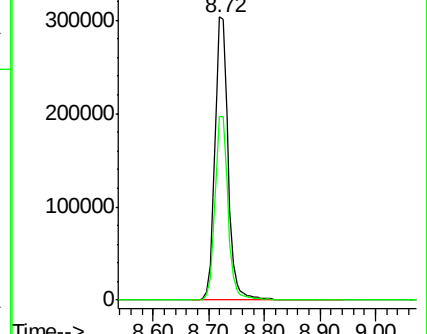
98 100

100 64.5 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

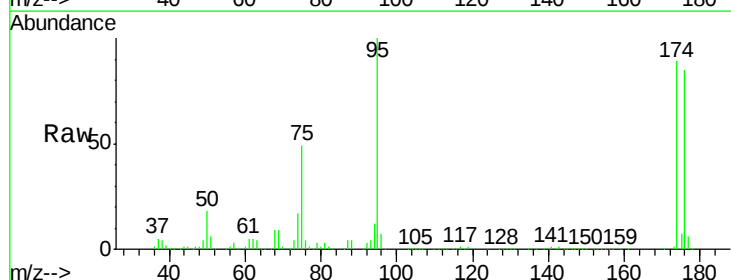
Tgt Ion: 95 Resp: 190427

Ion Ratio Lower Upper

95 100

174 98.6 0.0 198.4

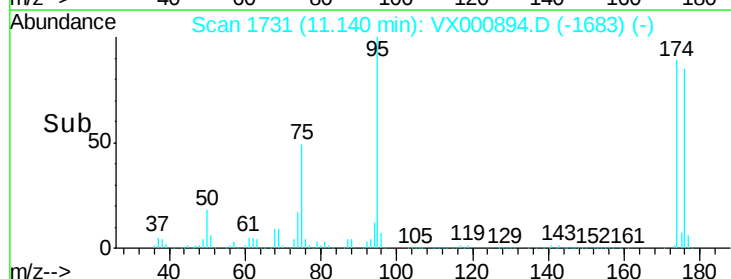
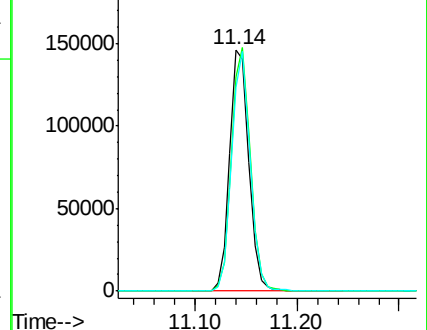
176 95.7 0.0 194.4

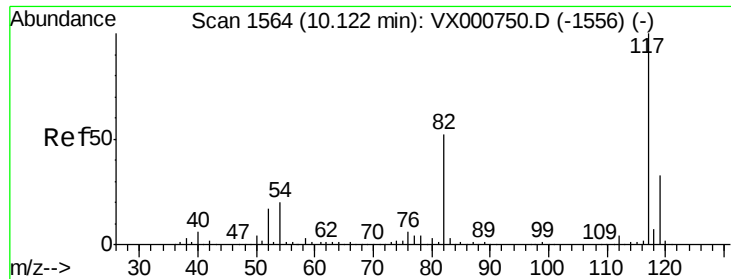


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

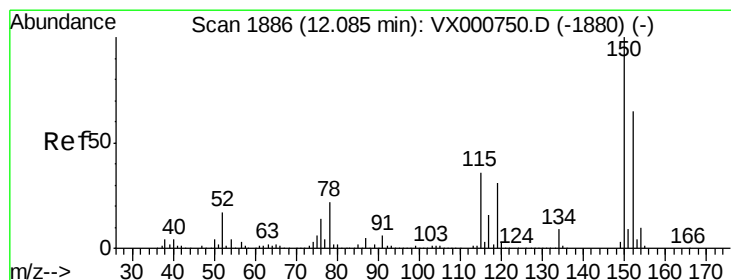
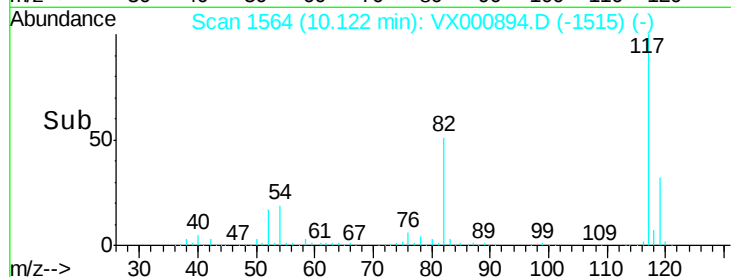
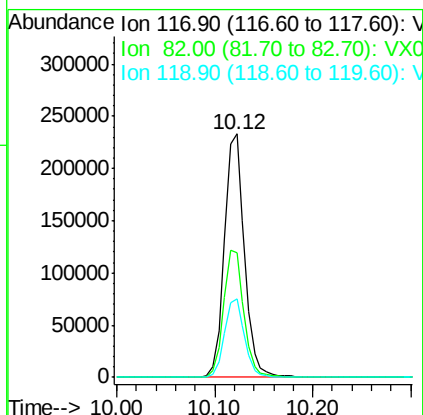
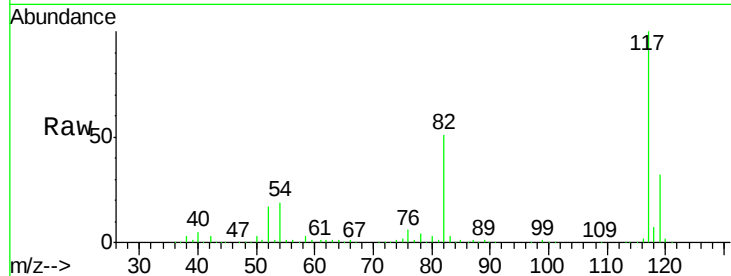




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000894.D
Acq: 15 Apr 2018 14:04

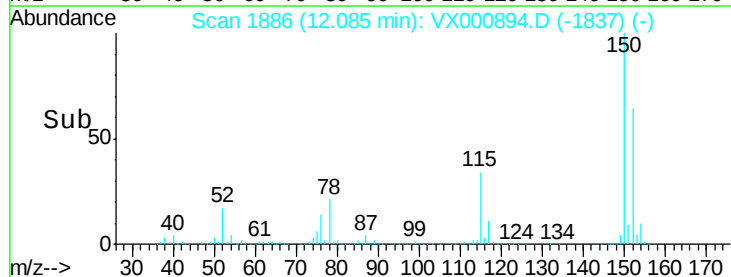
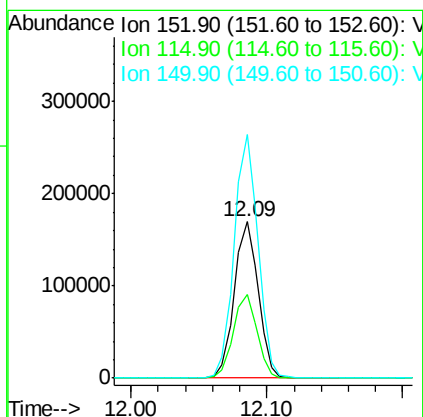
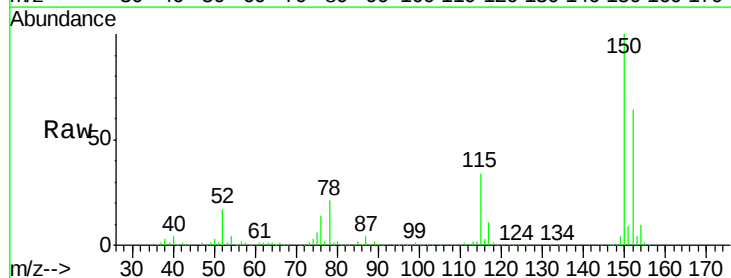
Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#05 5X

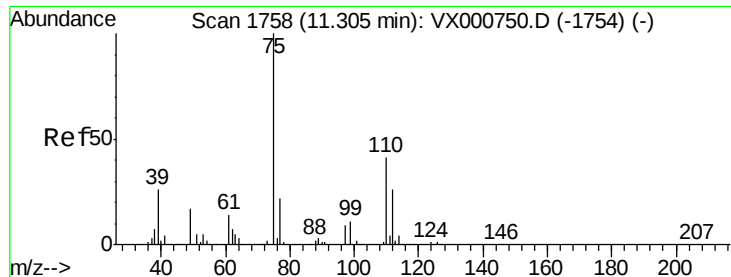
Tgt Ion:117 Resp: 331181
Ion Ratio Lower Upper
117 100
82 51.3 41.9 62.9
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000894.D
Acq: 15 Apr 2018 14:04

Tgt Ion:152 Resp: 206787
Ion Ratio Lower Upper
152 100
115 53.8 37.9 113.7
150 155.2 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 25.86 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

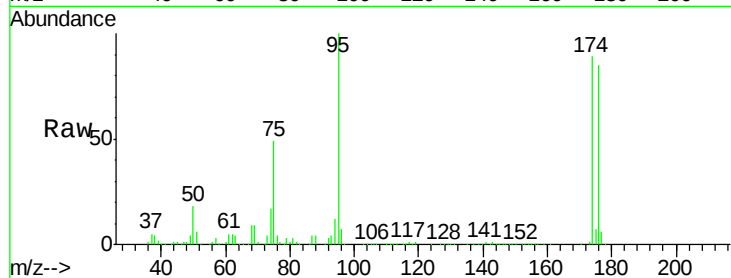
PB108205ZHE#05 5X

Tgt Ion: 75 Resp: 92212

Ion Ratio Lower Upper

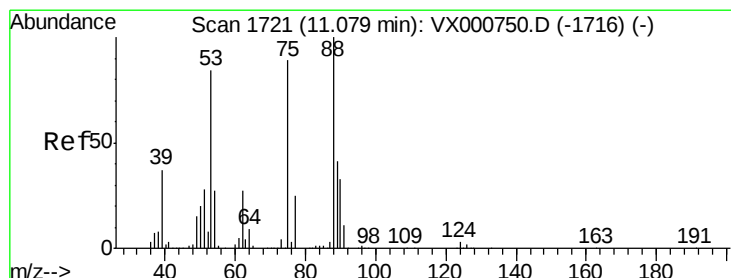
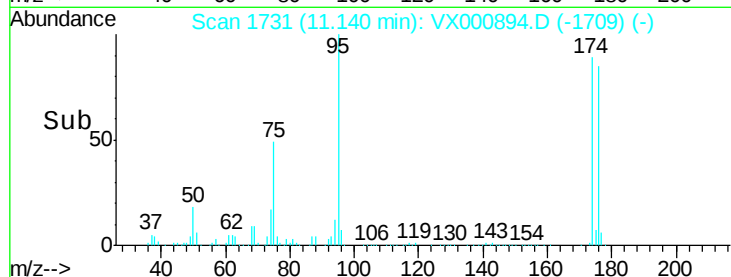
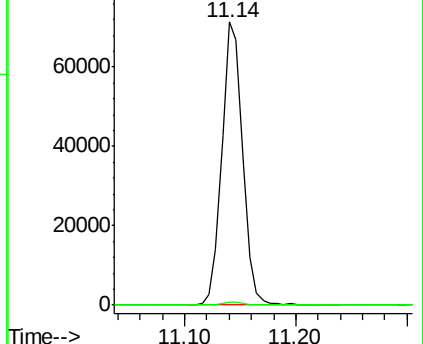
75 100

77 1.3 20.5 61.5#



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: 71.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000894.D

Acq: 15 Apr 2018 14:04

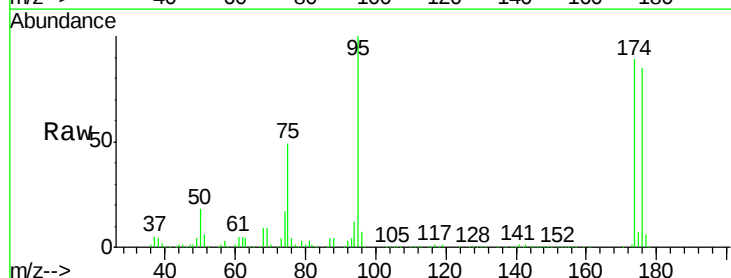
Tgt Ion: 75 Resp: 92212

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#



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

