

Data File : VX001301.D
Acq On : 02 May 2018 02:33
Operator : JC/MD
Sample : PB108752TBZHE#10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108752TBZHE#10

Quant Time: May 02 06:05:07 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	166383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	225480	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	200013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	109483	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	103193	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
35) Dibromofluoromethane	5.51	113	86523	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
50) Toluene-d8	8.72	98	316879	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
62) 4-Bromofluorobenzene	11.14	95	101973	36.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.48%	

Target Compounds				Qvalue		
3) Chloromethane	1.32	50	380	0.21	ug/l #	82
5) Bromomethane	1.65	94	612	Below	Cal	87
10) Methyl Iodide	2.52	142	555	4.58	ug/l #	86
11) Tert butyl alcohol	3.02	59	1328	3.35	ug/l #	77
13) Acrolein	2.29	56	162	0.71	ug/l #	14
16) Acetone	2.45	43	8369	8.51	ug/l	98
18) Methyl Acetate	2.78	43	16661	7.18	ug/l	98
25) 2-Butanone	4.73	43	1886	1.42	ug/l #	83
29) Tetrahydrofuran	5.18	42	679	0.83	ug/l #	48
31) Cyclohexane	5.67	56	3054	1.08	ug/l #	36
36) 1,1-Dichloropropene	5.68	75	10525	4.04	ug/l #	50
38) Carbon Tetrachloride	5.67	117	14555	5.34	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	51690	25.53	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	51690	80.23	ug/l #	6

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

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ALS Vial : 34 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108752TBZHE#10

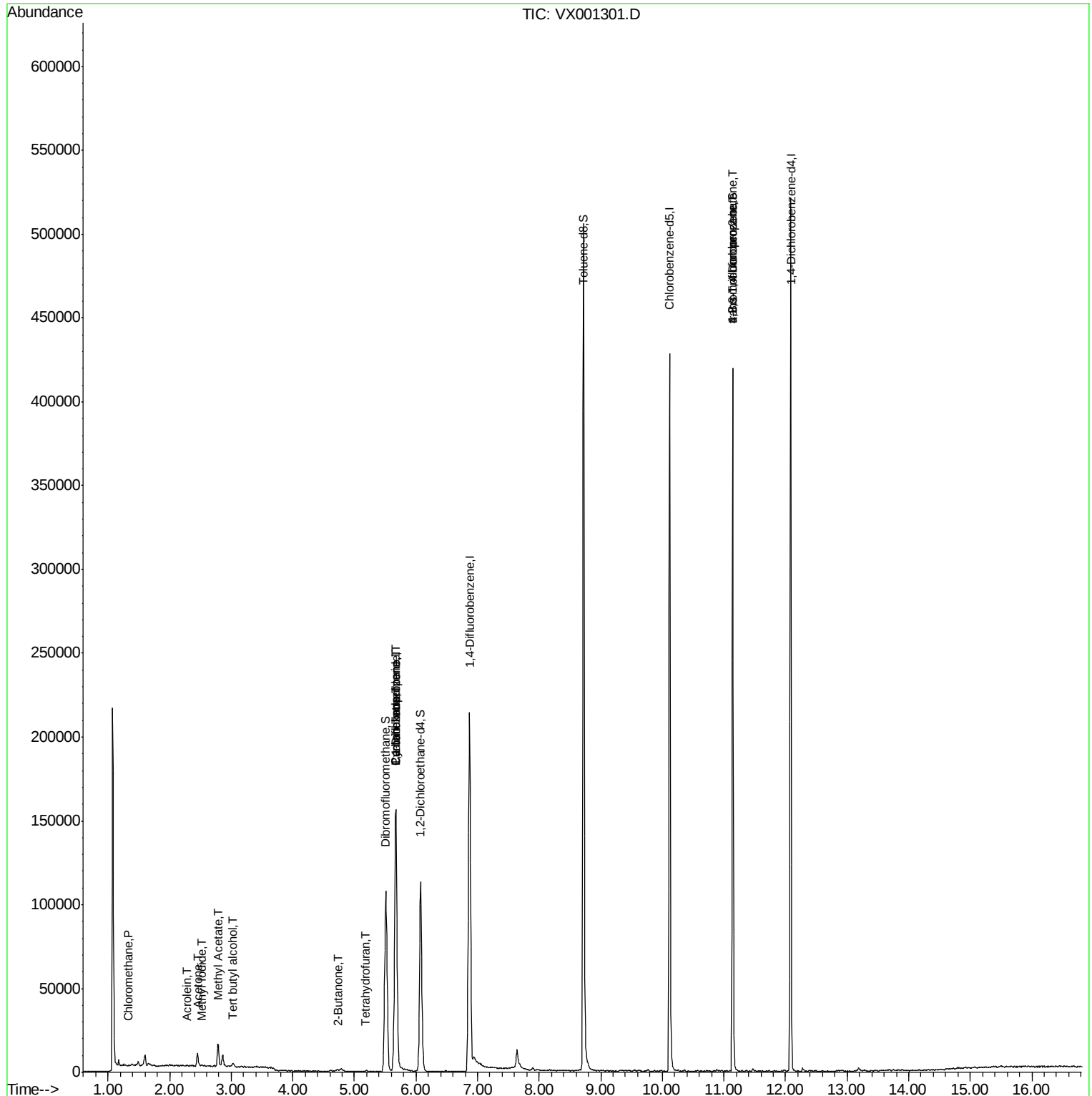
Quant Time: May 02 06:05:07 2018

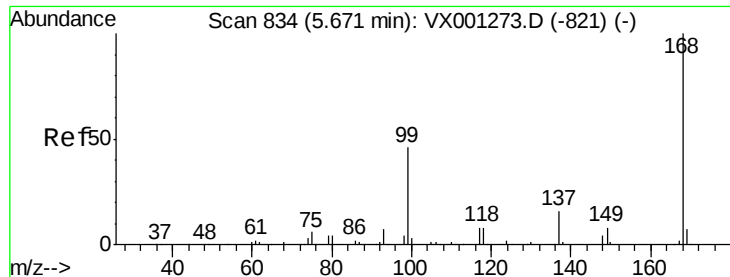
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

Instrument :

MSVOA_X

ClientSampleId :

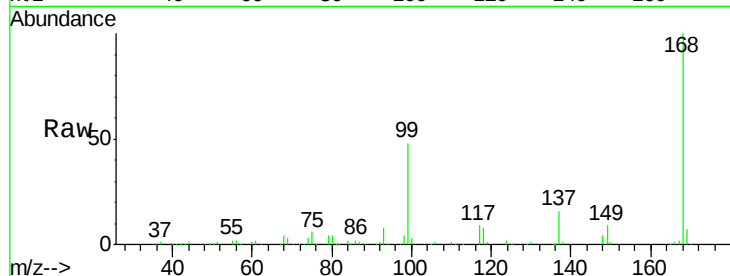
PB108752TBZHE#10

Tgt Ion:168 Resp: 166383

Ion Ratio Lower Upper

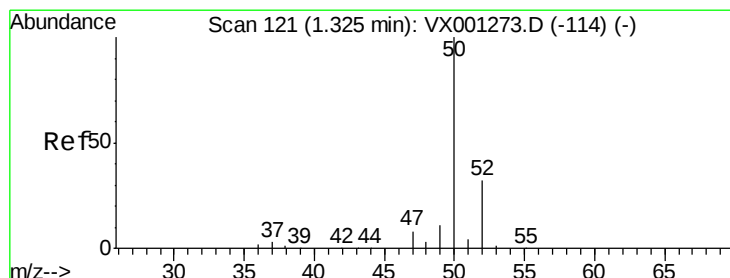
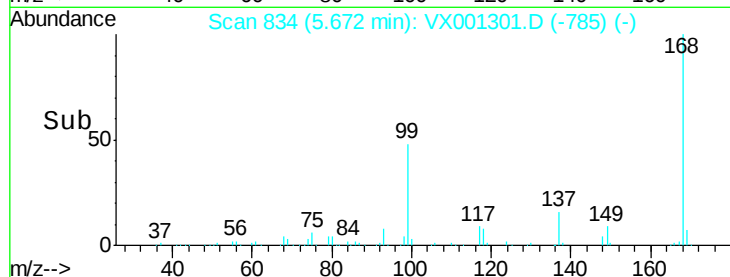
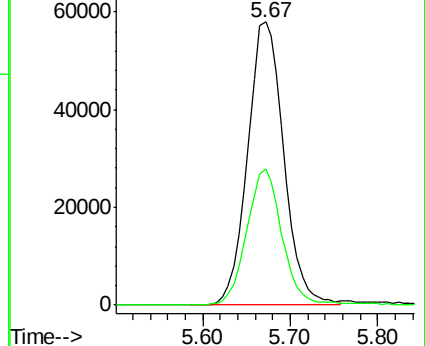
168 100

99 48.2 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001301.D

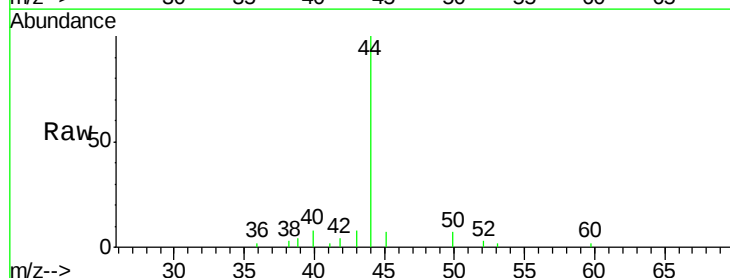
Acq: 02 May 2018 02:33

Tgt Ion: 50 Resp: 380

Ion Ratio Lower Upper

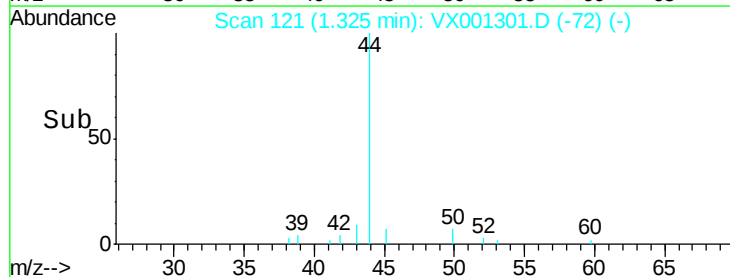
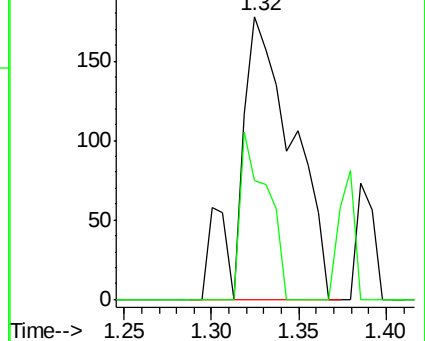
50 100

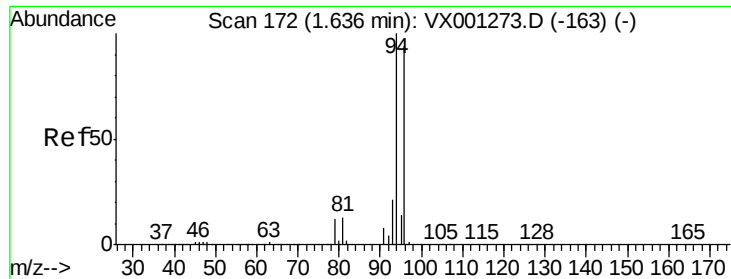
52 42.1 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

Instrument :

MSVOA_X

ClientSampleId :

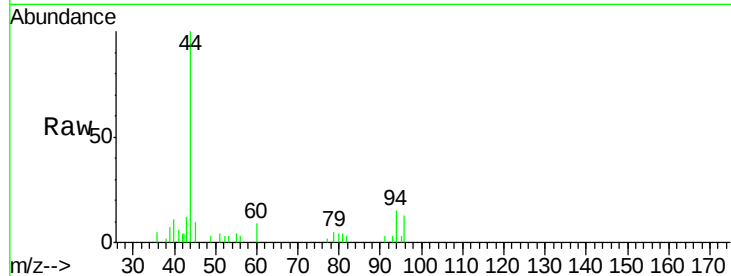
PB108752TBZHE#10

Tgt Ion: 94 Resp: 612

Ion Ratio Lower Upper

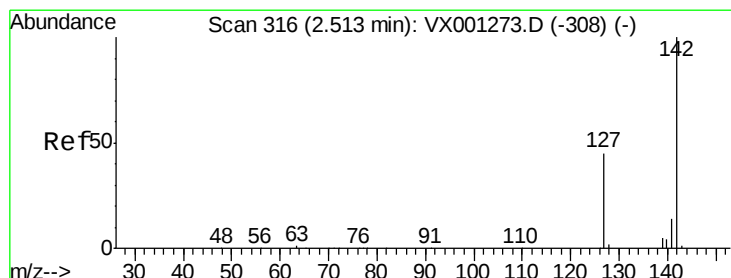
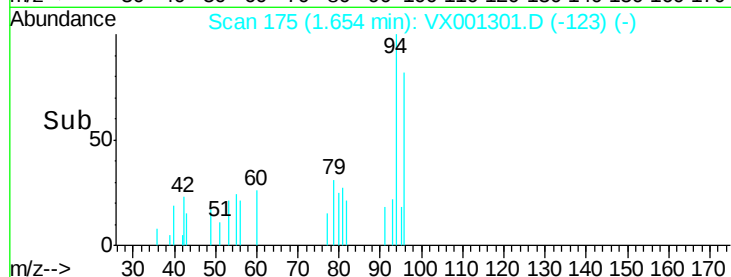
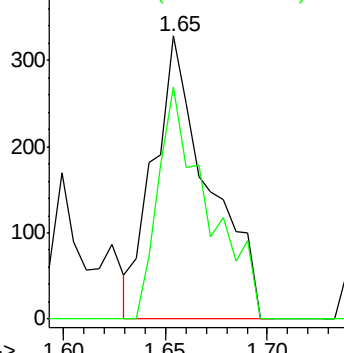
94 100

96 82.3 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.58 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

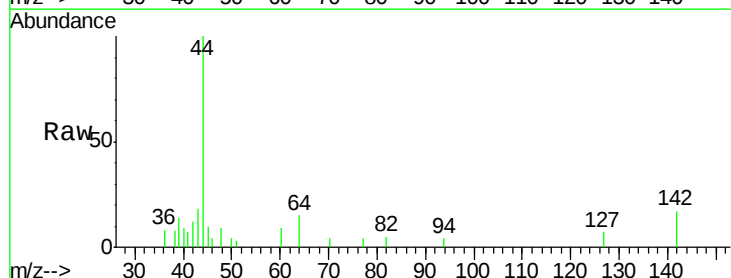
Tgt Ion: 142 Resp: 555

Ion Ratio Lower Upper

142 100

127 49.2 35.7 53.5

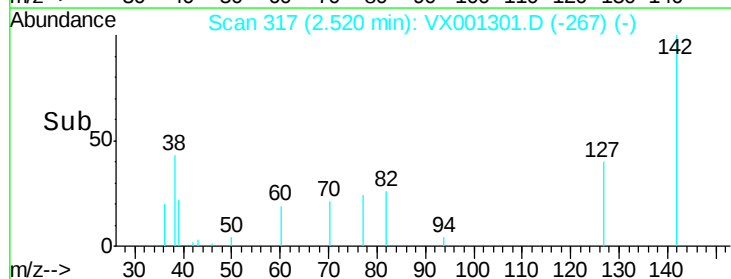
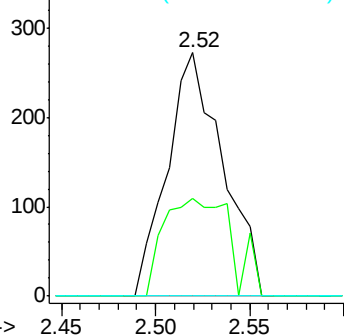
141 0.0 11.4 17.0#

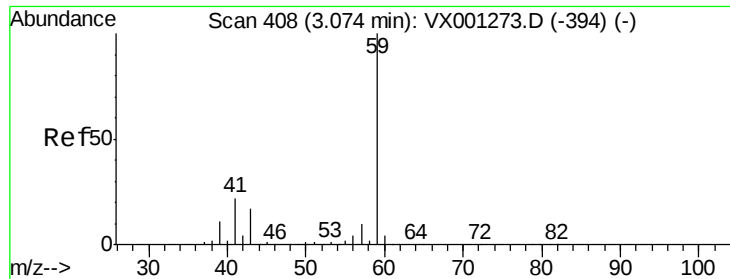


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

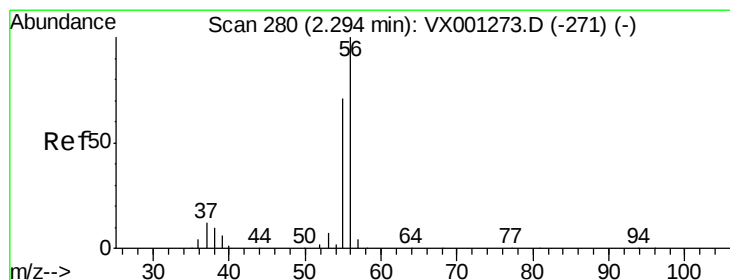
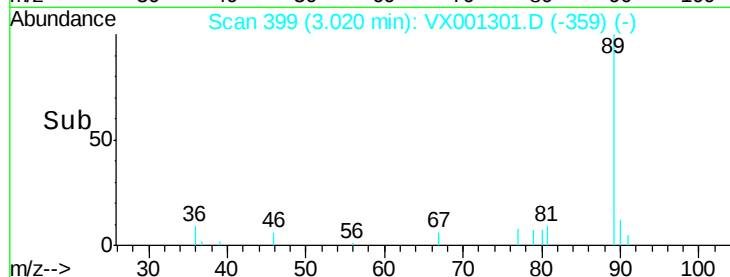
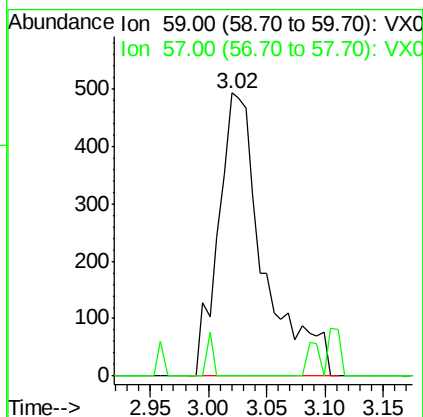
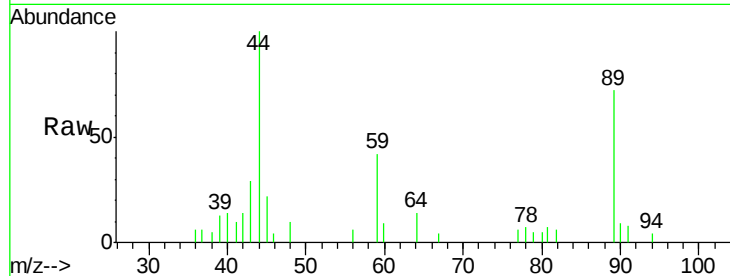




#11
Tert butyl alcohol
Concen: 3.35 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.05 min
Lab File: VX001301.D
Acq: 02 May 2018 02:33

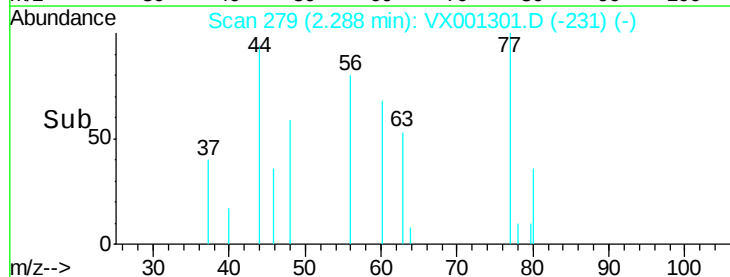
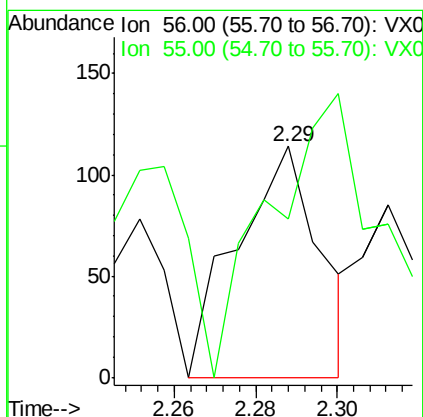
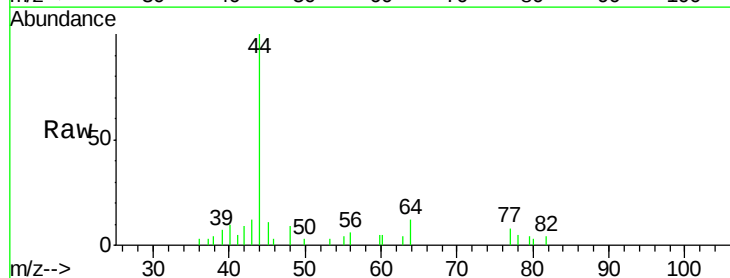
Instrument :
MSVOA_X
ClientSampleId :
PB108752TBZHE#10

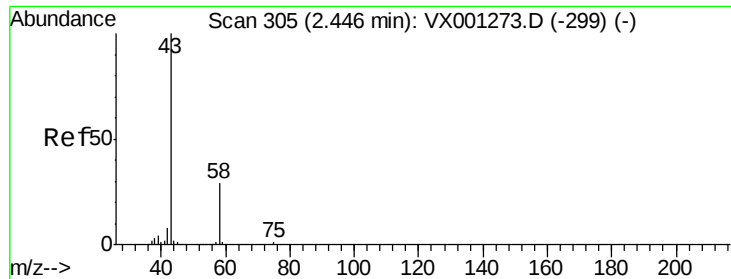
Tgt Ion: 59 Resp: 1328
Ion Ratio Lower Upper
59 100
57 2.1 8.6 12.8#



#13
Acrolein
Concen: 0.71 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX001301.D
Acq: 02 May 2018 02:33

Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#





#16

Acetone

Concen: 8.51 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

Instrument :

MSVOA_X

ClientSampleId :

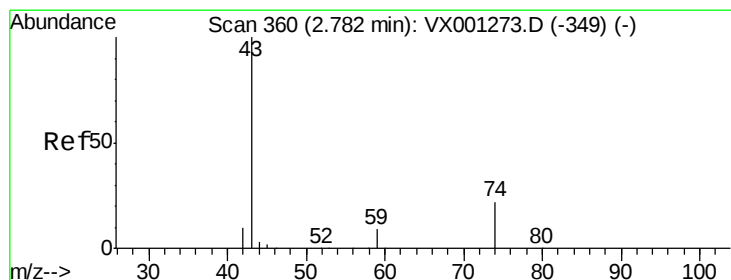
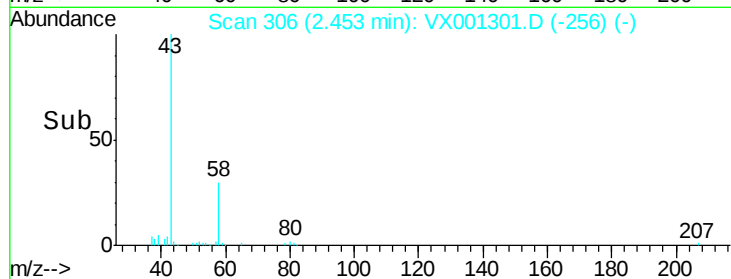
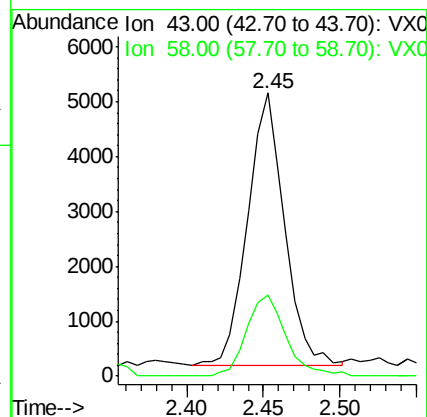
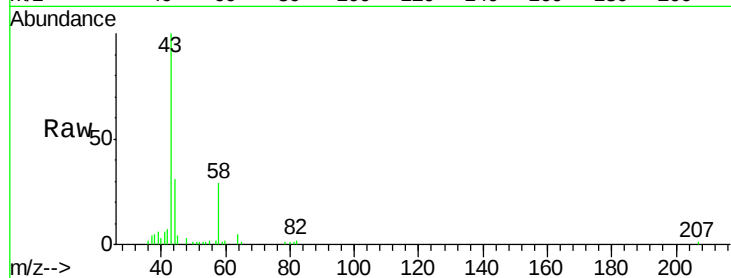
PB108752TBZHE#10

Tgt Ion: 43 Resp: 8369

Ion Ratio Lower Upper

43 100

58 29.6 22.8 34.2



#18

Methyl Acetate

Concen: 7.18 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001301.D

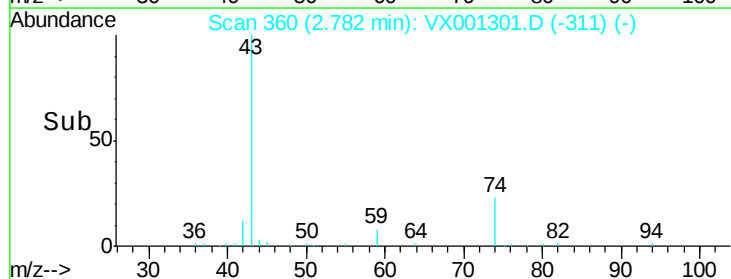
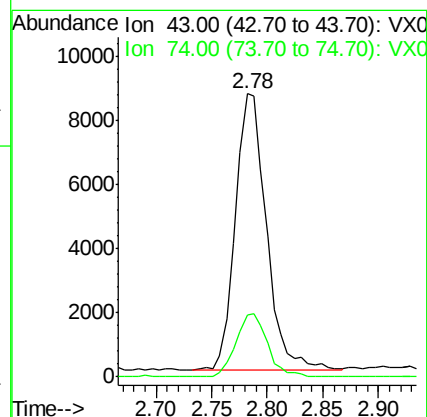
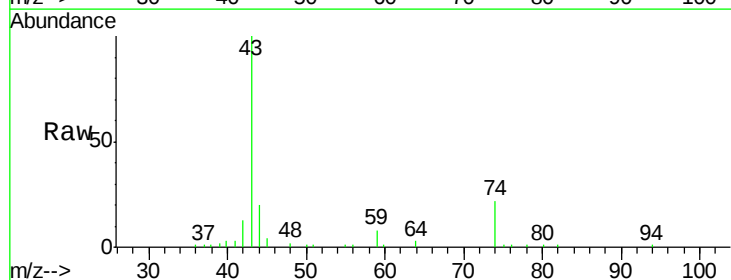
Acq: 02 May 2018 02:33

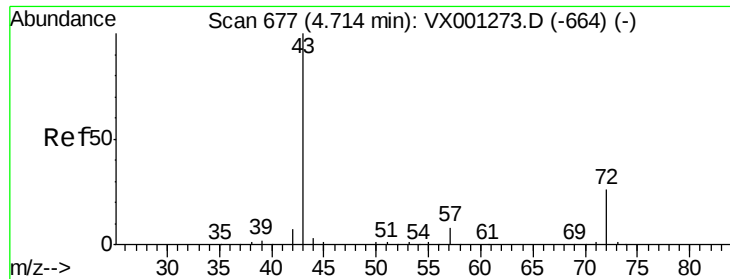
Tgt Ion: 43 Resp: 16661

Ion Ratio Lower Upper

43 100

74 23.1 17.8 26.6





#25

2-Butanone

Concen: 1.42 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

Instrument :

MSVOA_X

ClientSampleId :

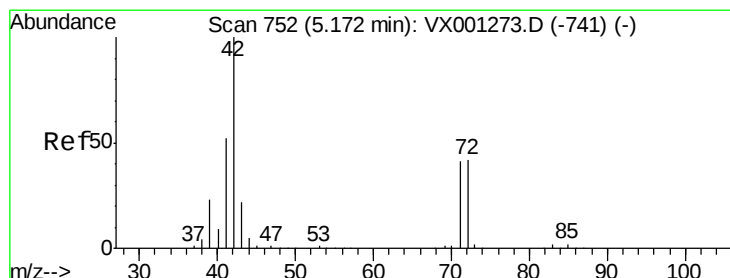
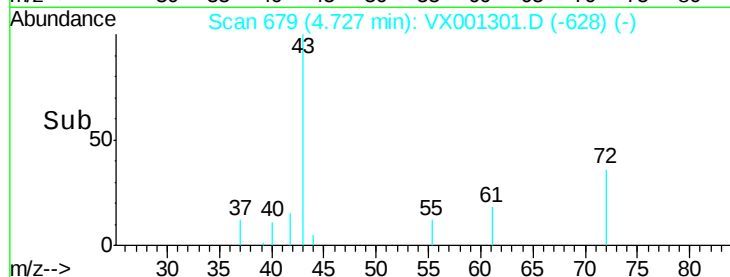
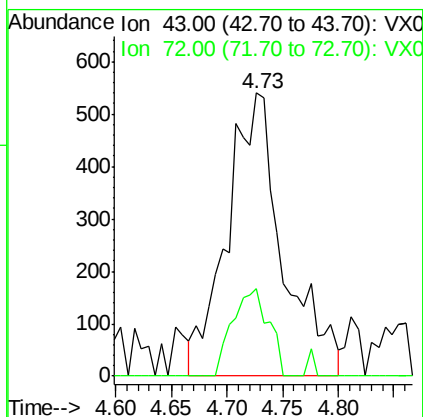
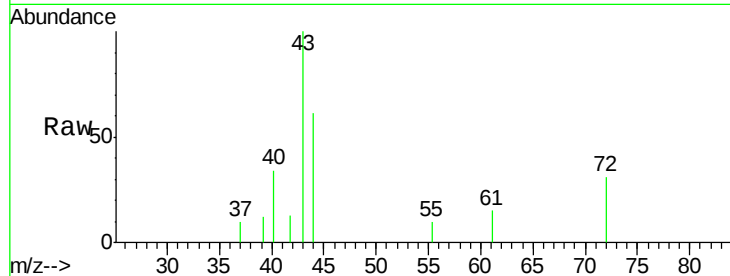
PB108752TBZHE#10

Tgt Ion: 43 Resp: 1886

Ion Ratio Lower Upper

43 100

72 34.4 20.5 30.7#



#29

Tetrahydrofuran

Concen: 0.83 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

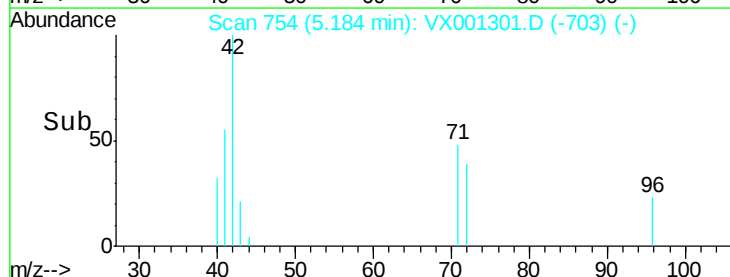
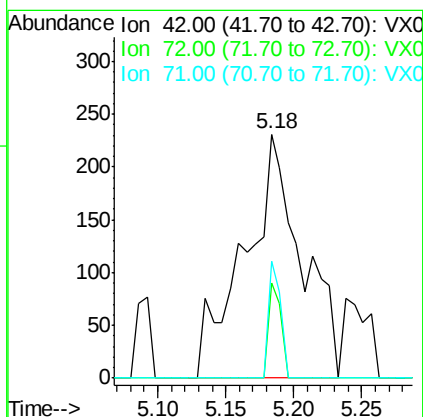
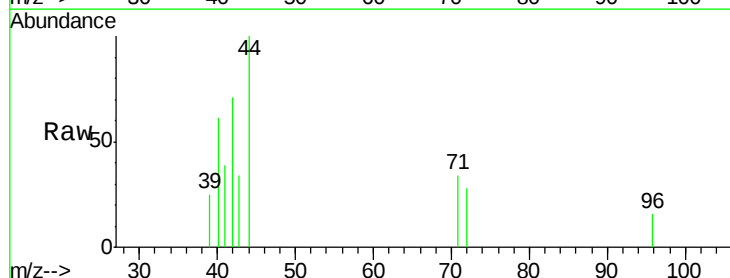
Tgt Ion: 42 Resp: 679

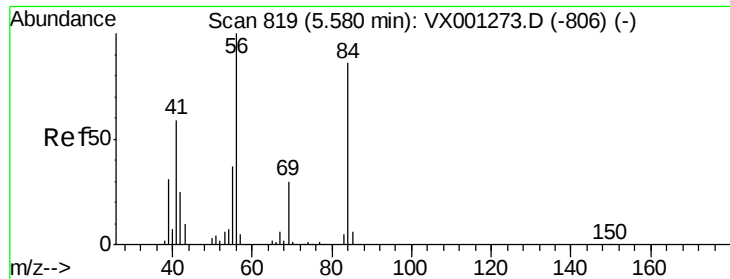
Ion Ratio Lower Upper

42 100

72 8.7 34.6 52.0#

71 10.3 32.7 49.1#

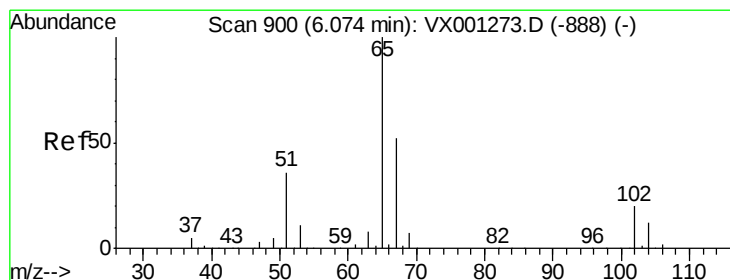
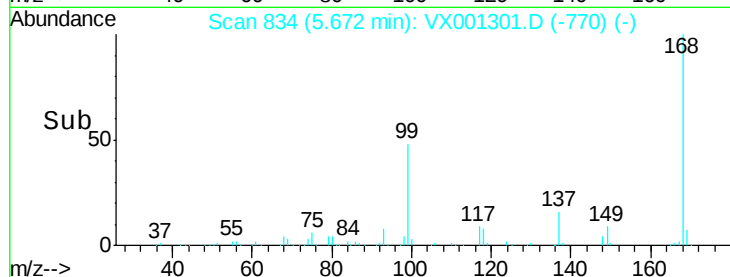
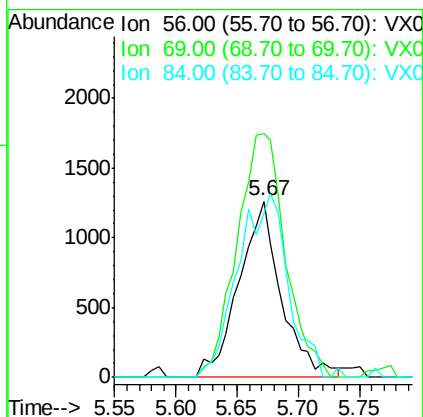
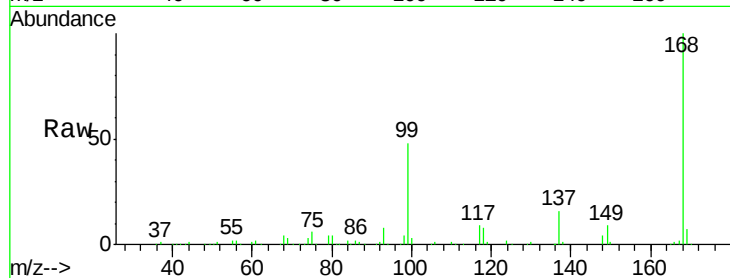




#31
Cyclohexane
Concen: 1.08 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001301.D
Acq: 02 May 2018 02:33

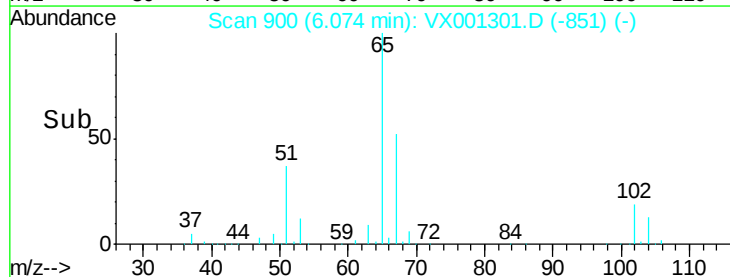
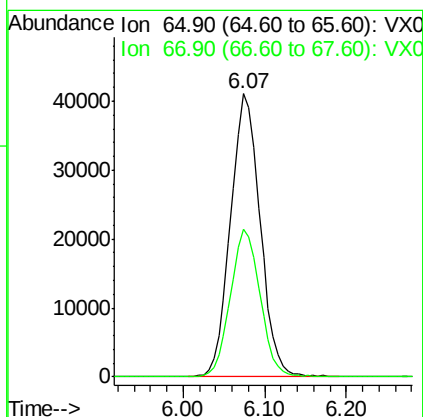
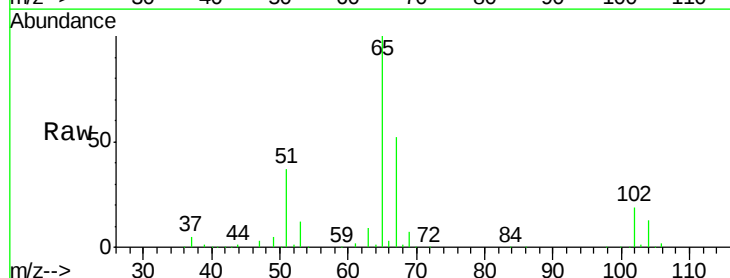
Instrument :
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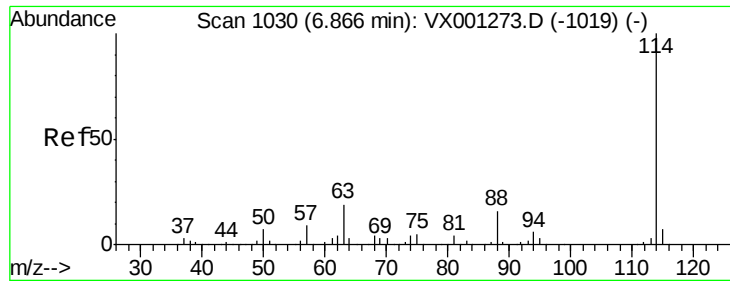
Tgt Ion: 56 Resp: 3054
Ion Ratio Lower Upper
56 100
69 138.4 24.0 36.0#
84 101.6 69.0 103.4



#33
1,2-Dichloroethane-d4
Concen: 44.80 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001301.D
Acq: 02 May 2018 02:33

Tgt Ion: 65 Resp: 103193
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

Instrument :

MSVOA_X

ClientSampleId :

PB108752TBZHE#10

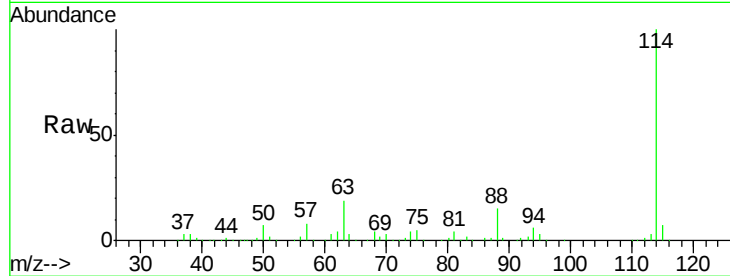
Tgt Ion:114 Resp: 225480

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

88 15.1 0.0 32.2



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

120000

100000

80000

60000

40000

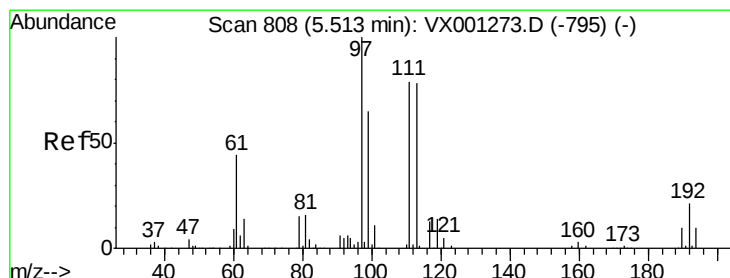
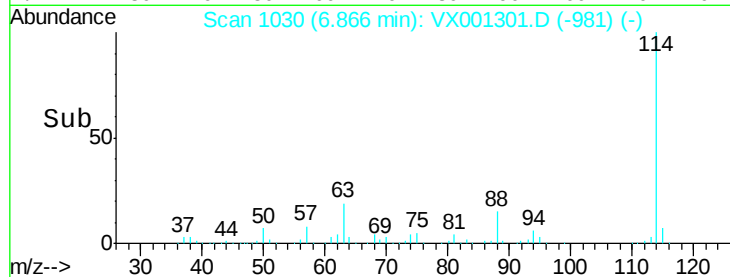
20000

0

6.87

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 44.54 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

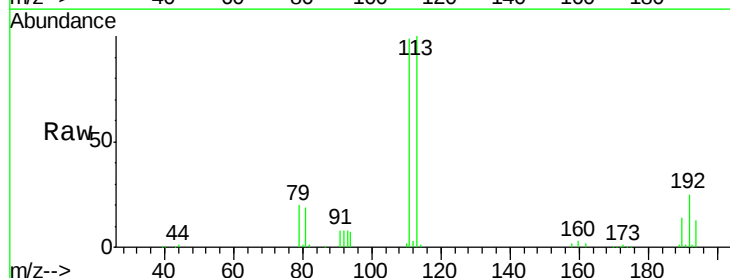
Tgt Ion:113 Resp: 86523

Ion Ratio Lower Upper

113 100

111 101.3 81.2 121.8

192 25.6 20.7 31.1



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

40000

30000

20000

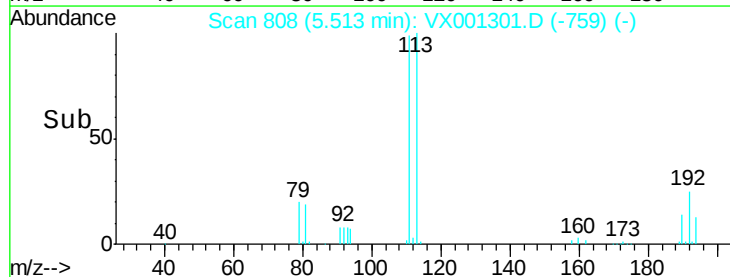
10000

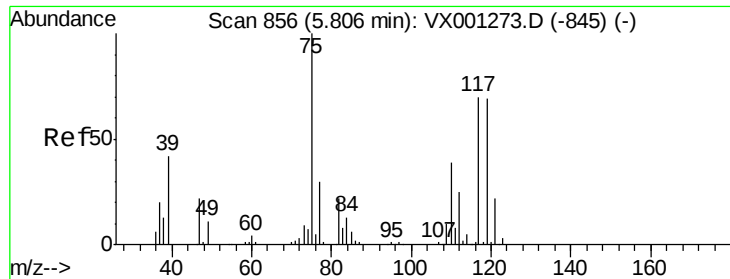
0

5.51

5.40 5.50 5.60

Time-->

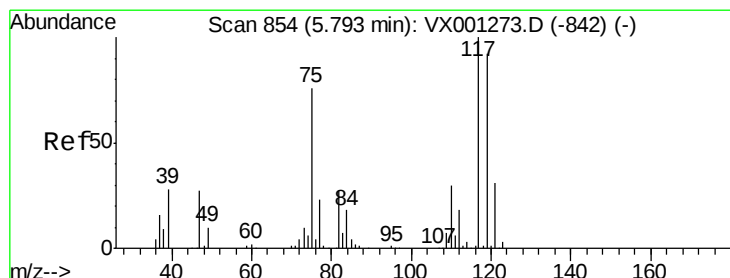
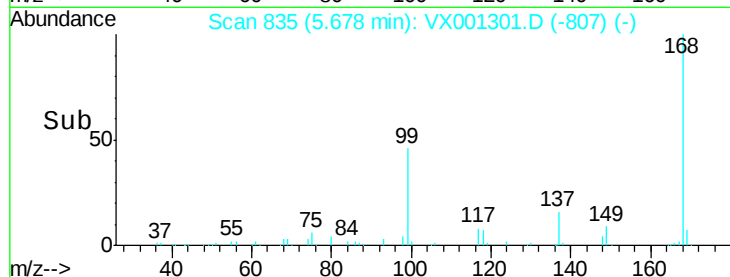
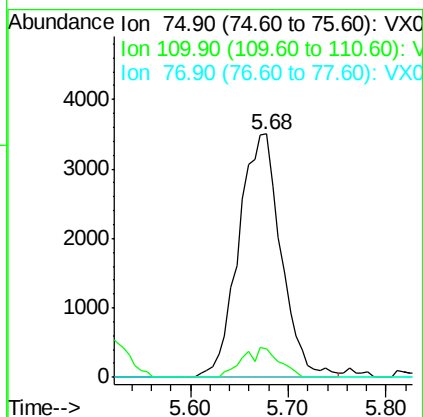
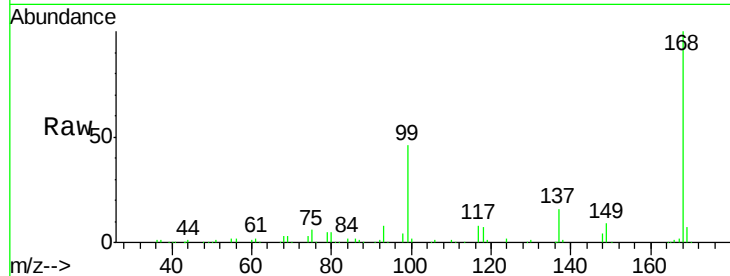




#36
 1,1-Dichloropropene
 Concen: 4.04 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX001301.D
 Acq: 02 May 2018 02:33

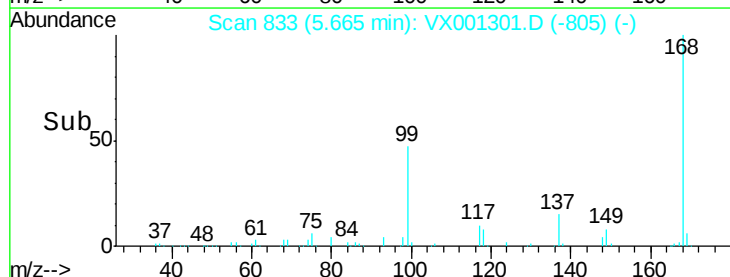
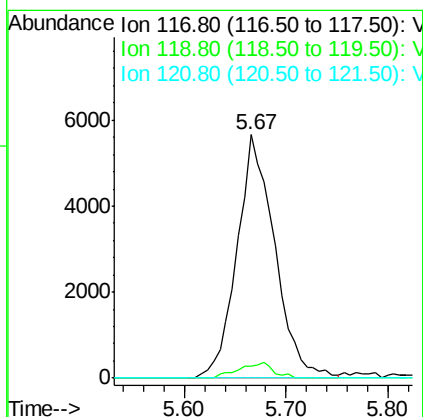
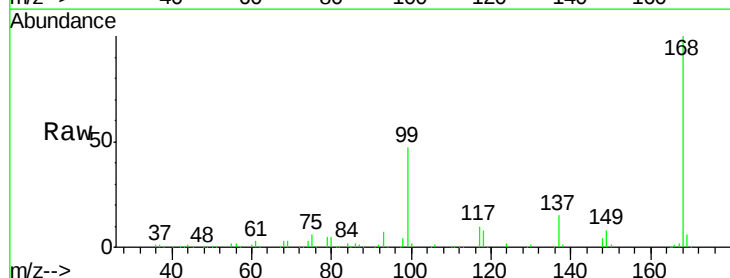
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108752TBZHE#10

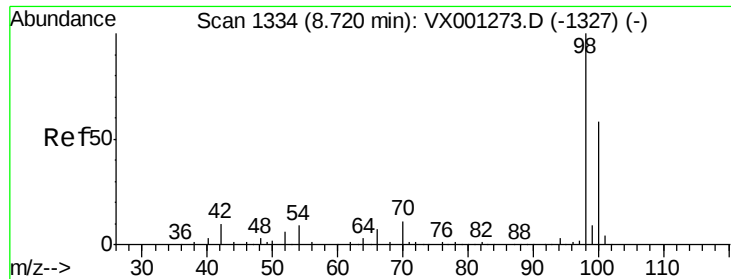
Tgt Ion: 75 Resp: 10525
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.9 56.9#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.34 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX001301.D
 Acq: 02 May 2018 02:33

Tgt Ion: 117 Resp: 14555
 Ion Ratio Lower Upper
 117 100
 119 4.8 73.4 110.2#
 121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 45.66 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

Instrument :

MSVOA_X

ClientSampleId :

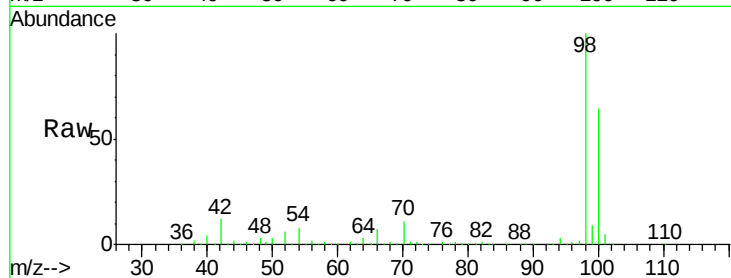
PB108752TBZHE#10

Tgt Ion: 98 Resp: 316879

Ion Ratio Lower Upper

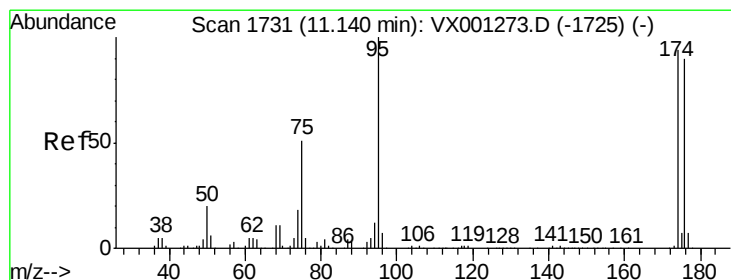
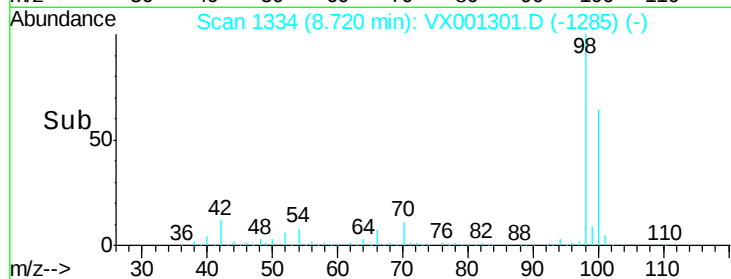
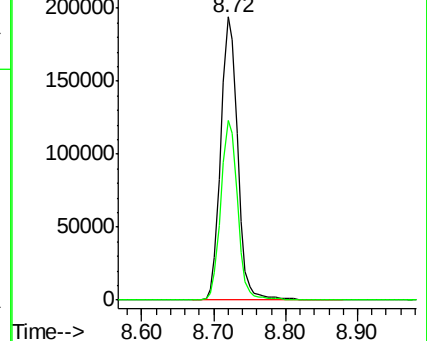
98 100

100 63.4 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 36.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

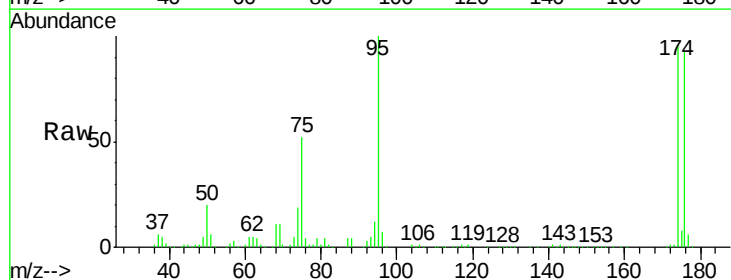
Tgt Ion: 95 Resp: 101973

Ion Ratio Lower Upper

95 100

174 104.2 0.0 201.8

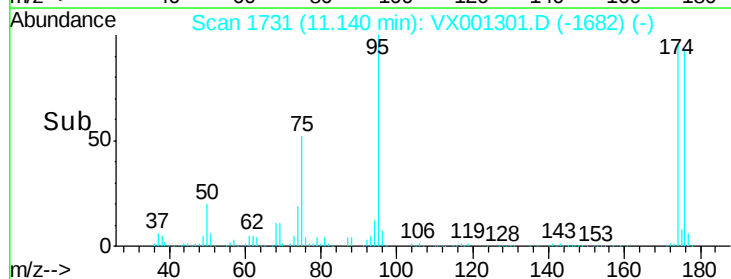
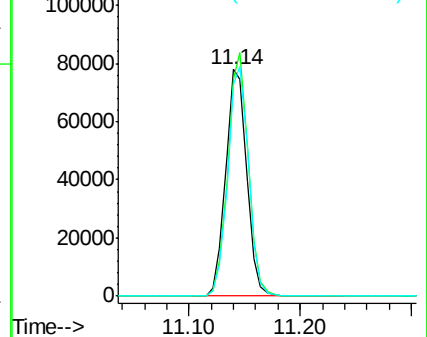
176 99.9 0.0 197.2

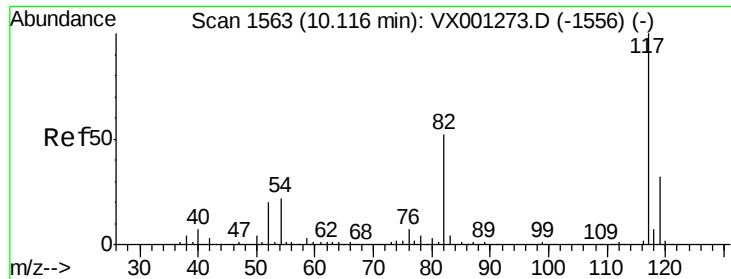


Abundance Ion 94.90 (94.60 to 95.60): VX0

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# 1563

Delta R.T. 0.00 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

Instrument :

MSVOA_X

ClientSampleId :

PB108752TBZHE#10

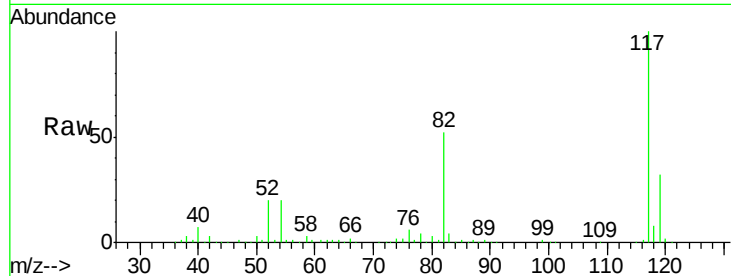
Tgt Ion:117 Resp: 200013

Ion Ratio Lower Upper

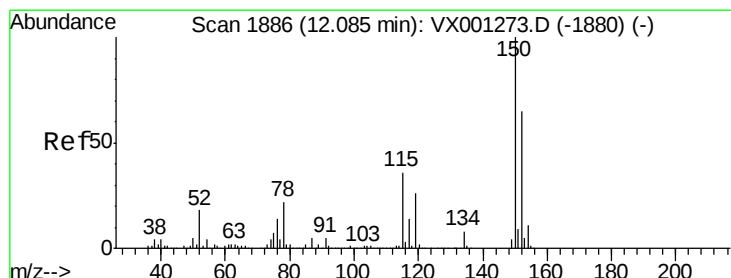
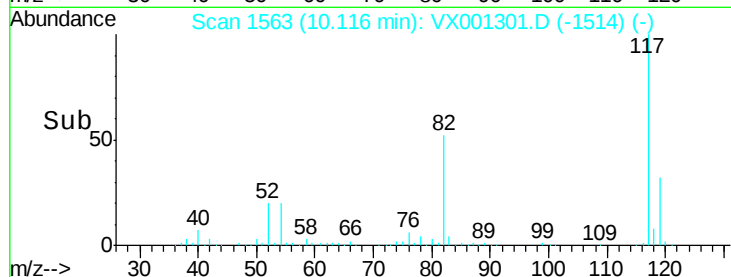
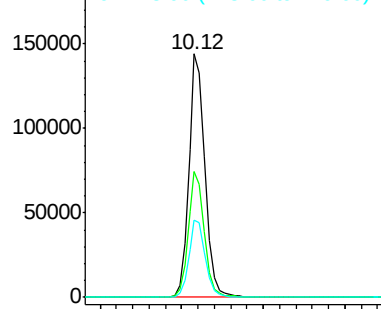
117 100

82 51.9 41.4 62.0

119 32.0 25.5 38.3



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

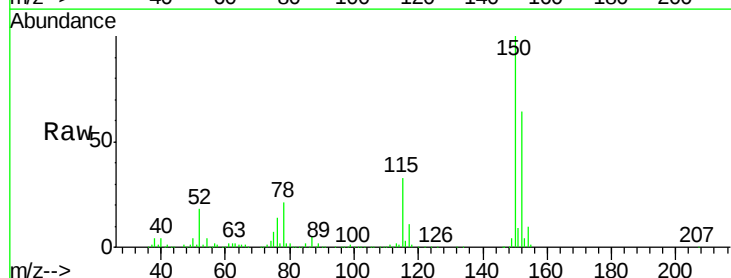
Tgt Ion:152 Resp: 109483

Ion Ratio Lower Upper

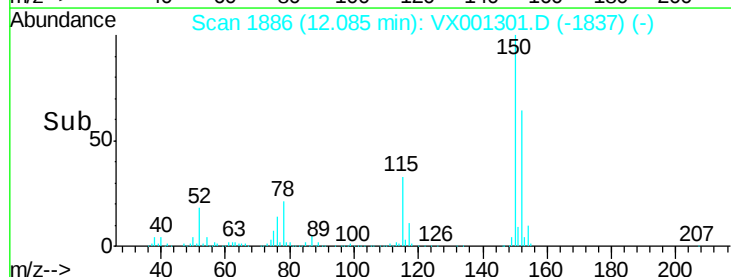
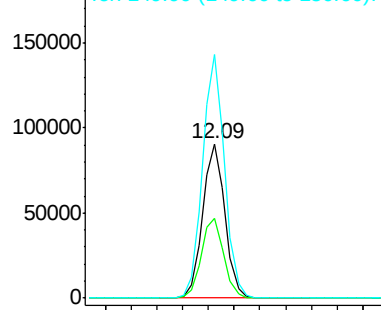
152 100

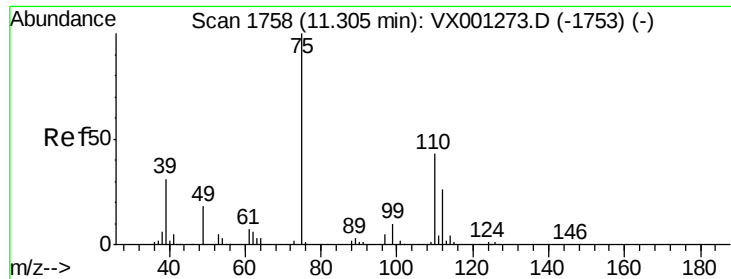
115 52.1 38.6 115.7

150 155.9 0.0 349.2



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: 25.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

Instrument :

MSVOA_X

ClientSampleId :

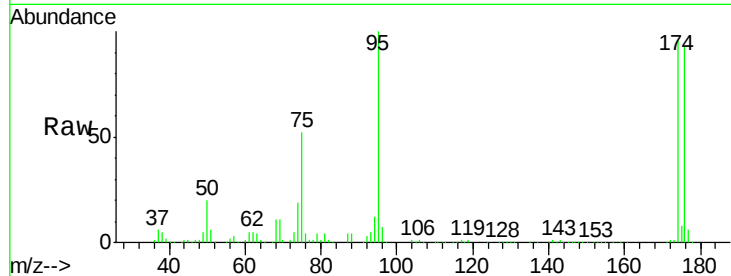
PB108752TBZHE#10

Tgt Ion: 75 Resp: 51690

Ion Ratio Lower Upper

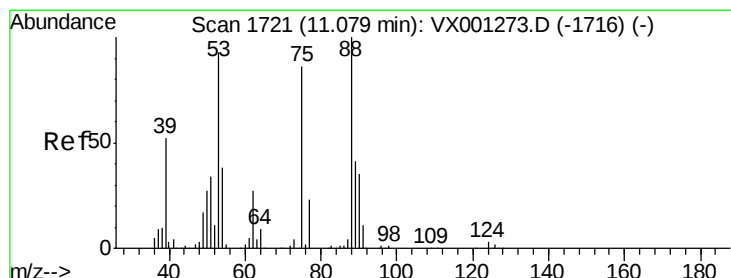
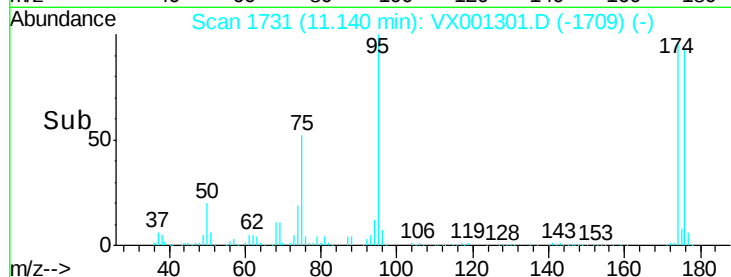
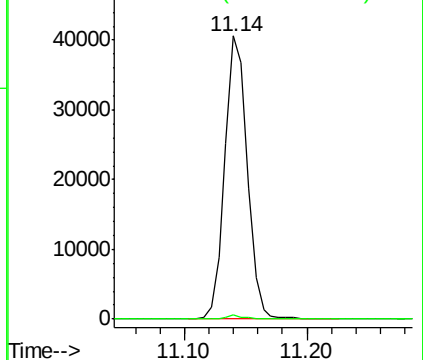
75 100

77 1.1 18.9 56.5#



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: 80.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001301.D

Acq: 02 May 2018 02:33

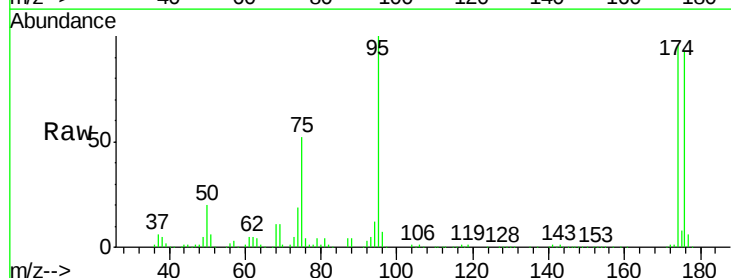
Tgt Ion: 75 Resp: 51690

Ion Ratio Lower Upper

75 100

53 0.0 87.1 130.7#

89 0.0 38.9 58.3#



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

