

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000295.D
 Acq On : 13 Mar 2018 12:53
 Operator : JC/MD
 Sample : J1870-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20180309

Quant Time: Mar 13 14:42:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	103380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	174811	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	164896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	87435	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	84582	59.02	ug/l	0.00
Spiked Amount			Recovery	=	118.04%	
35) Dibromofluoromethane	5.52	113	64193	58.46	ug/l	0.00
Spiked Amount			Recovery	=	116.92%	
50) Toluene-d8	8.73	98	248398	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
62) 4-Bromofluorobenzene	11.15	95	90419	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

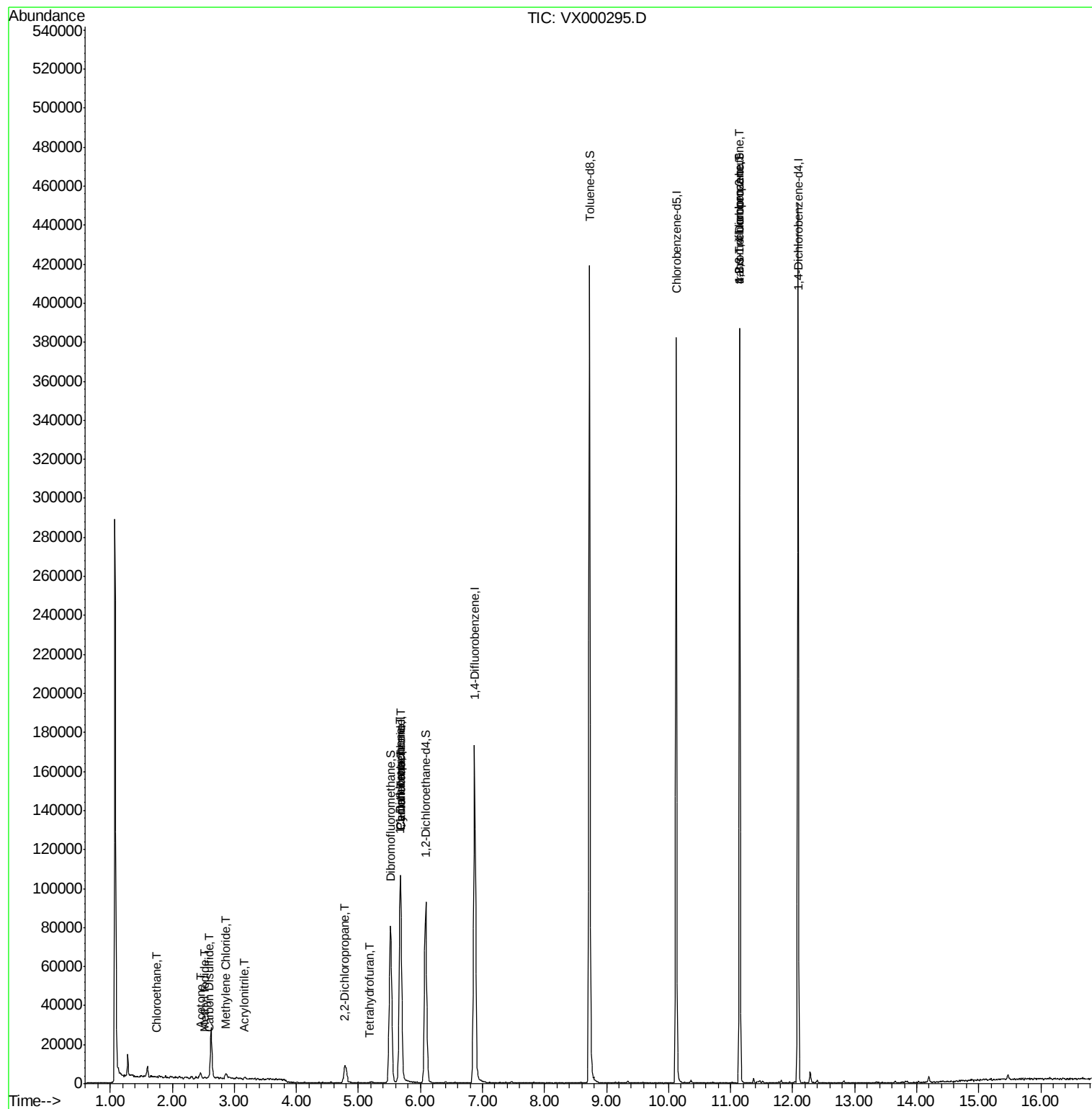
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	378	Below Cal		85
6) Chloroethane	1.74	64	971	0.74	ug/l #	42
10) Methyl Iodide	2.53	142	363	3.42	ug/l #	88
15) Acrylonitrile	3.15	53	266	0.29	ug/l #	79
16) Acetone	2.45	43	3446	3.35	ug/l #	86
17) Carbon Disulfide	2.58	76	609	0.20	ug/l #	73
20) Methylene Chloride	2.85	84	1098	0.89	ug/l #	69
26) 2,2-Dichloropropane	4.78	77	755	0.49	ug/l #	53
29) Tetrahydrofuran	5.19	42	186	0.23	ug/l #	63
31) Cyclohexane	5.68	56	2459	1.57	ug/l #	34
36) 1,1-Dichloropropene	5.67	75	8237	5.30	ug/l #	44
38) Carbon Tetrachloride	5.68	117	10296	6.54	ug/l #	18
76) 1,2,3-Trichloropropane	11.15	75	50579	28.86	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.15	75	50579	88.37	ug/l #	10

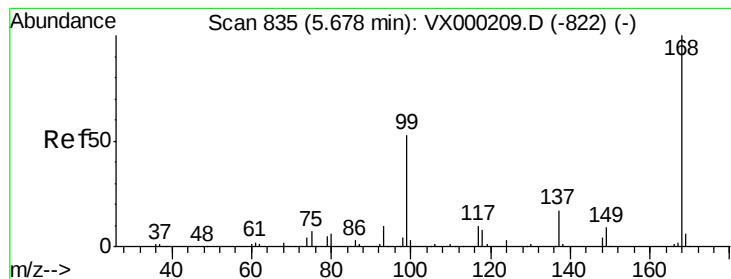
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

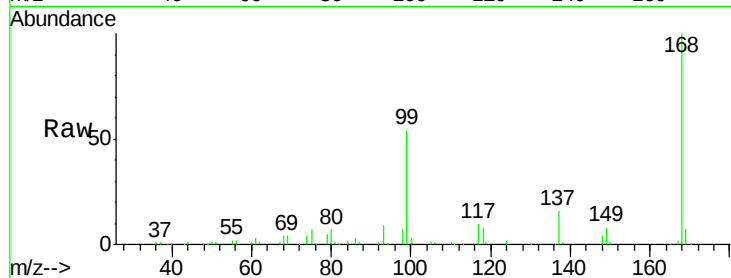
TB-20180309

Tot Ion:168 Resp: 103380

Ion Ratio Lower Upper

168 100

99 53.8 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

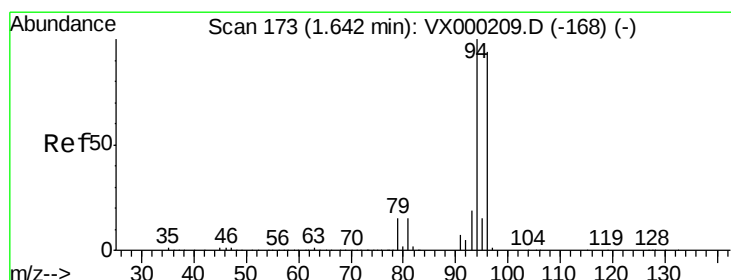
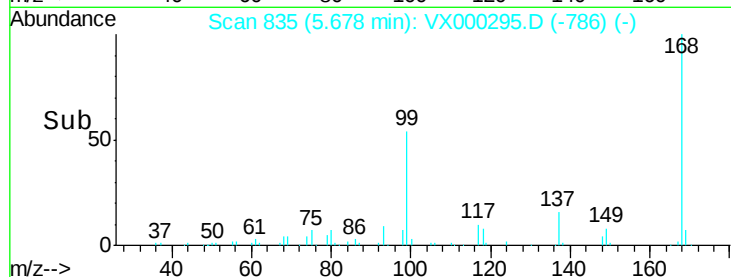
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000295.D

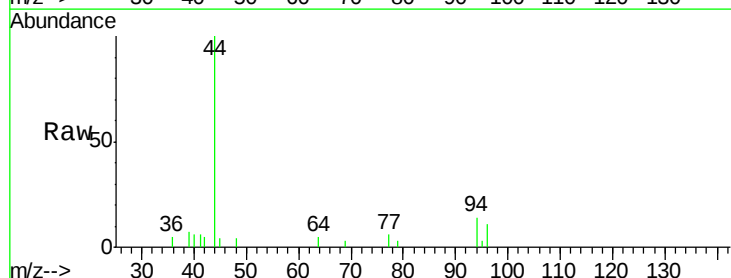
Acq: 13 Mar 2018 12:53

Tgt Ion: 94 Resp: 378

Ion Ratio Lower Upper

94 100

96 79.9 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

400

300

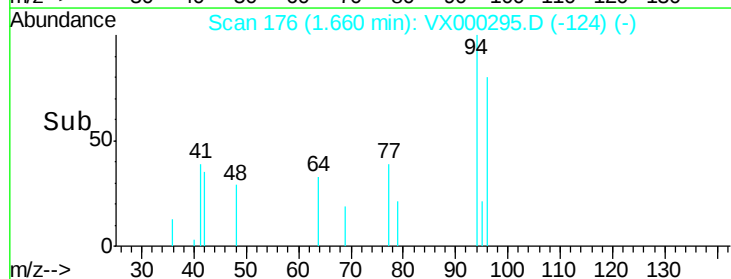
200

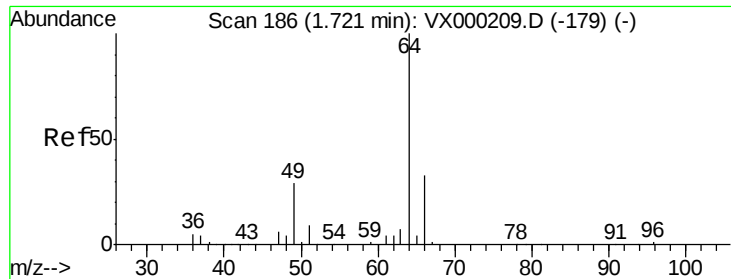
100

0

Time-->

1.65 1.70





#6

Chloroethane

Concen: 0.74 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

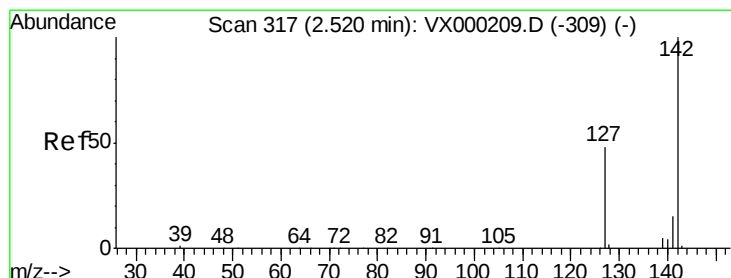
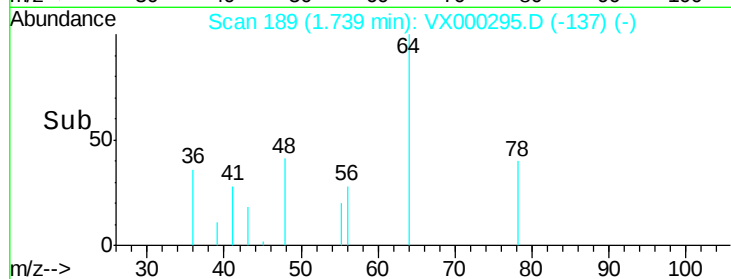
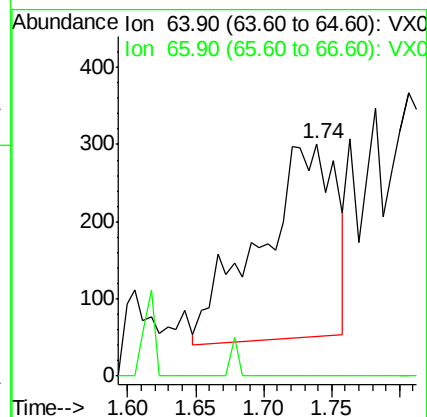
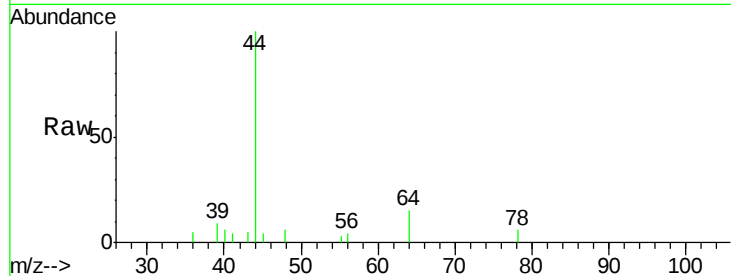
TB-20180309

Tot Ion: 64 Resp: 971

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#



#10

Methyl Iodide

Concen: 3.42 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

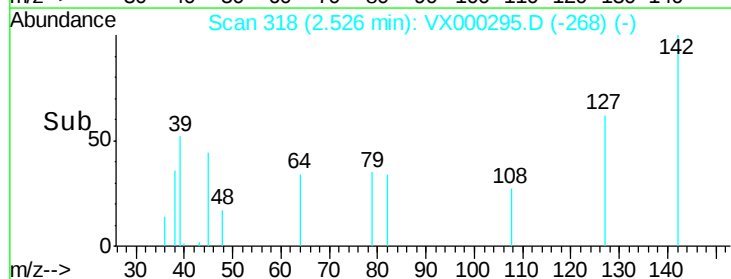
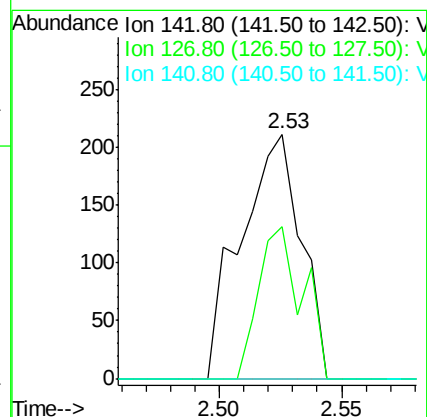
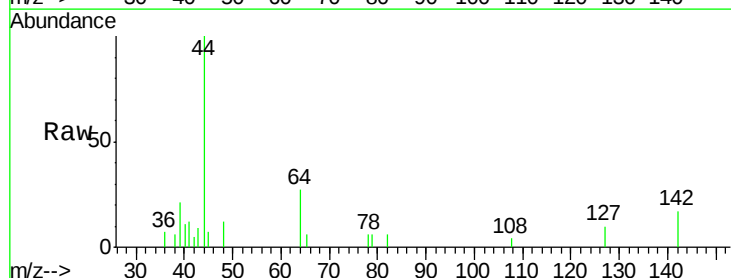
Tgt Ion: 142 Resp: 363

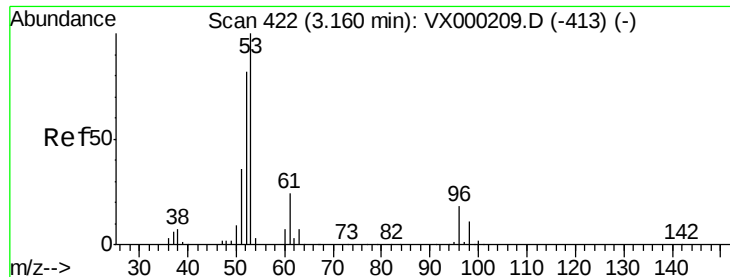
Ion Ratio Lower Upper

142 100

127 45.7 39.0 58.6

141 0.0 11.6 17.4#





#15

Acrylonitrile

Concen: 0.29 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

Instrument :

MSVOA_X

ClientSampled :

TB-20180309

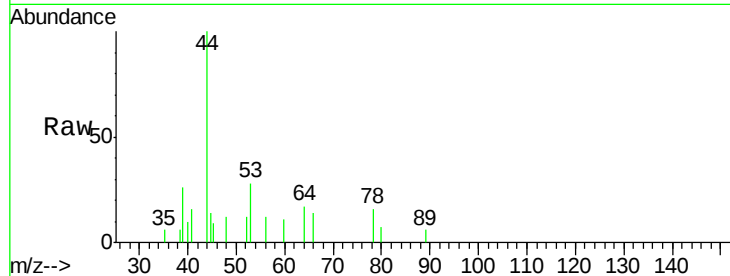
Tot Ion: 53 Resp: 266

Ion Ratio Lower Upper

53 100

52 97.4 66.3 99.5

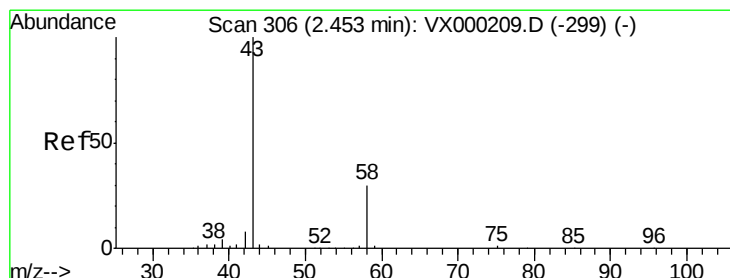
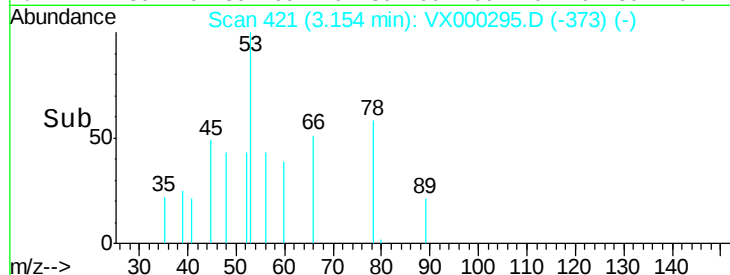
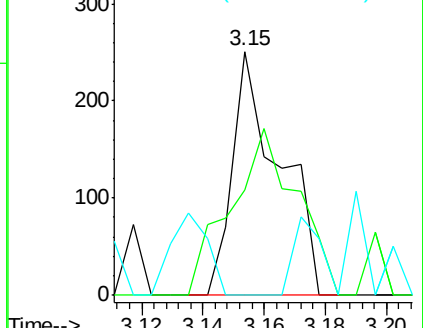
51 18.8 29.6 44.4#



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: 3.35 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000295.D

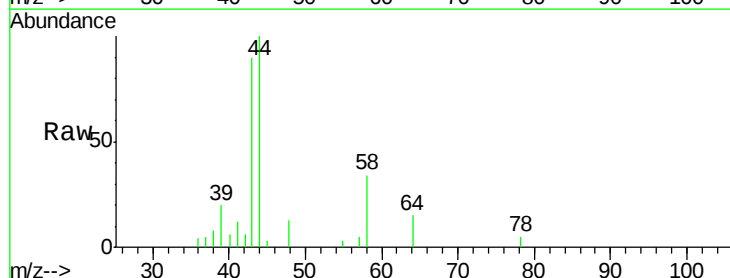
Acq: 13 Mar 2018 12:53

Tgt Ion: 43 Resp: 3446

Ion Ratio Lower Upper

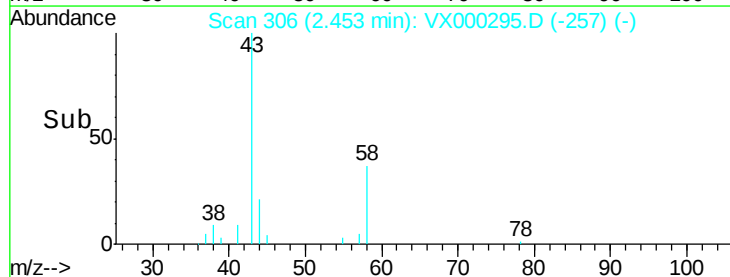
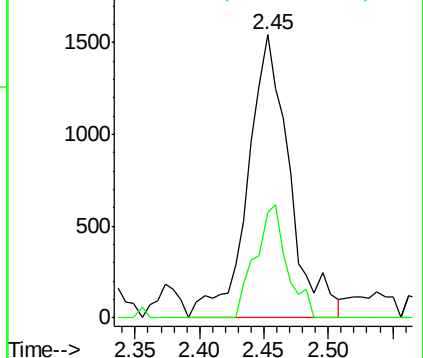
43 100

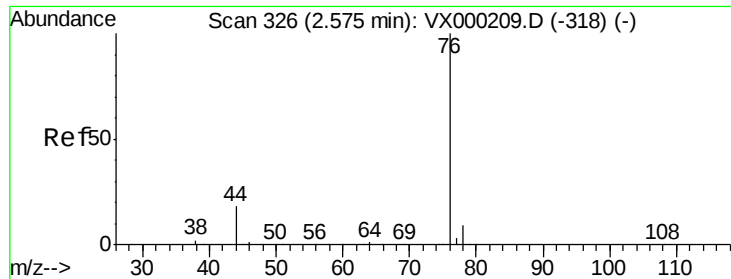
58 37.2 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.20 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

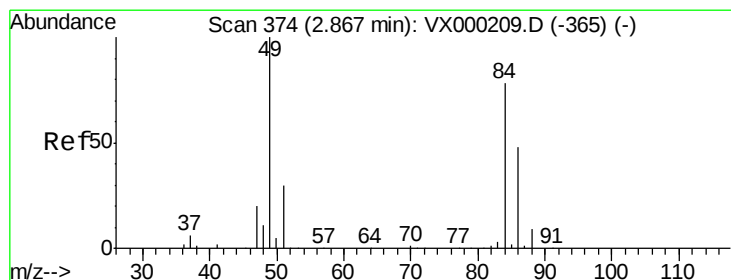
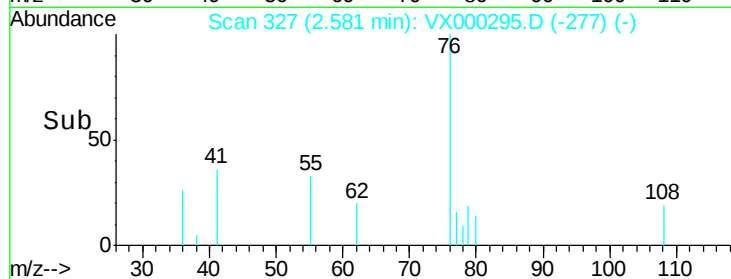
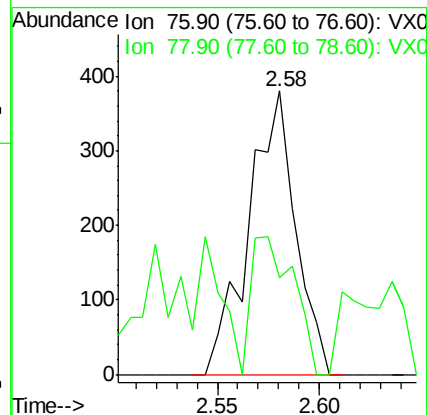
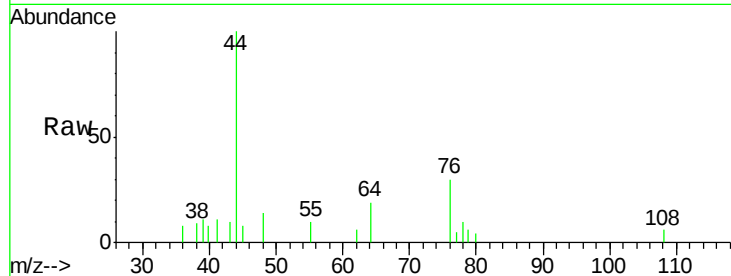
TB-20180309

Tot Ion: 76 Resp: 609

Ion Ratio Lower Upper

76 100

78 18.4 7.0 10.6#



#20

Methylene Chloride

Concen: 0.89 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

Tgt Ion: 84 Resp: 1098

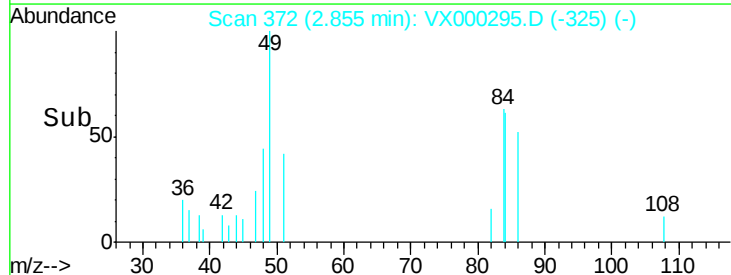
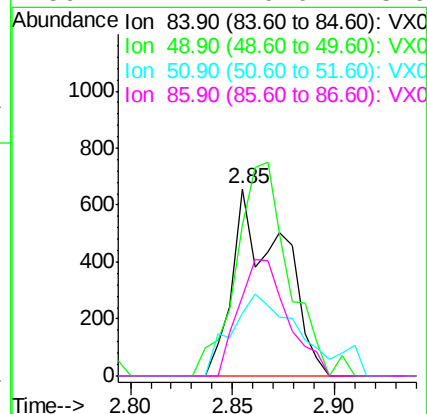
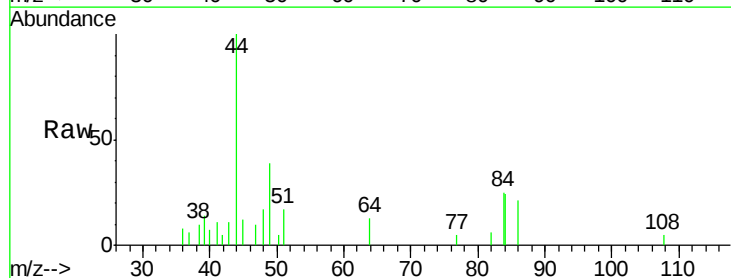
Ion Ratio Lower Upper

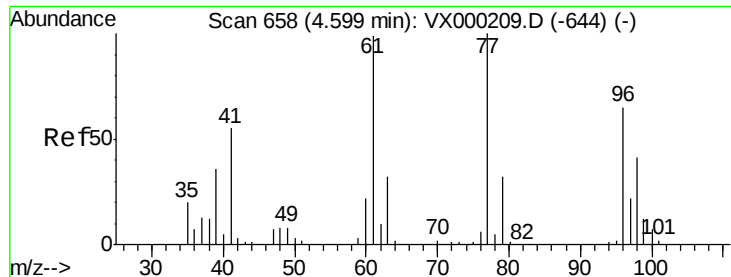
84 100

49 80.5 102.1 153.1#

51 33.8 30.6 45.8

86 42.2 49.0 73.6#





#26

2,2-Dichloropropane

Concen: 0.49 ug/l

RT: 4.78 min Scan# 688

Delta R.T. 0.18 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

Instrument :

MSVOA_X

ClientSampled :

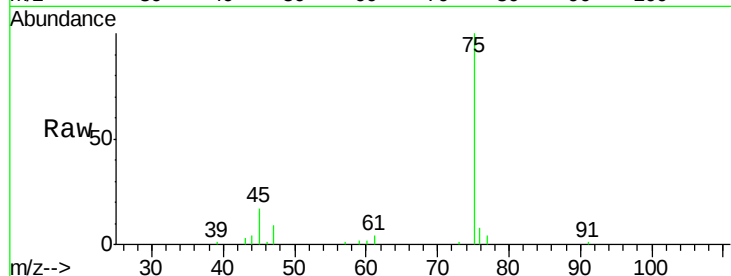
TB-20180309

Tot Ion: 77 Resp: 755

Ion Ratio Lower Upper

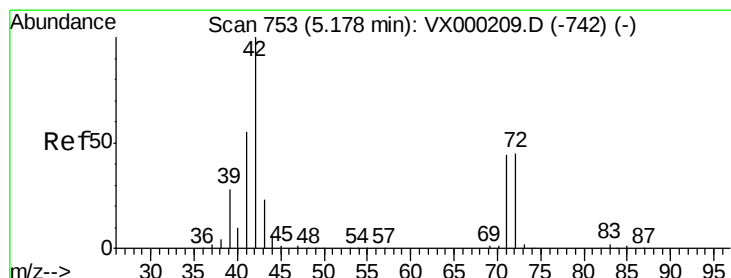
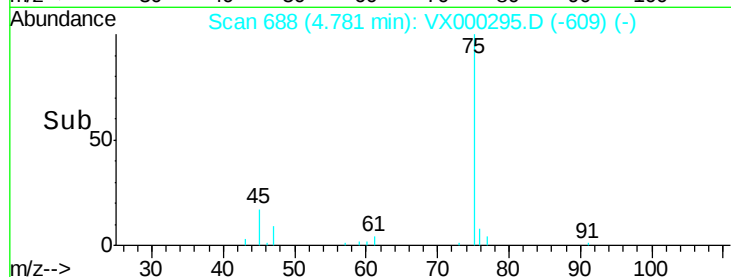
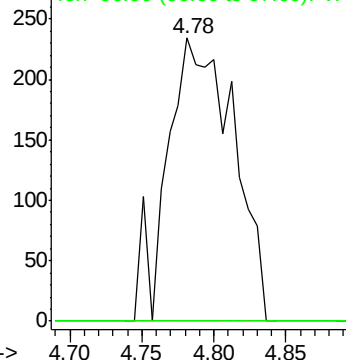
77 100

97 0.0 11.4 34.1#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

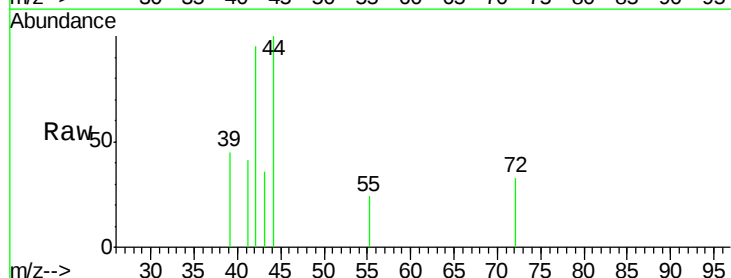
Tgt Ion: 42 Resp: 186

Ion Ratio Lower Upper

42 100

72 40.9 37.3 55.9

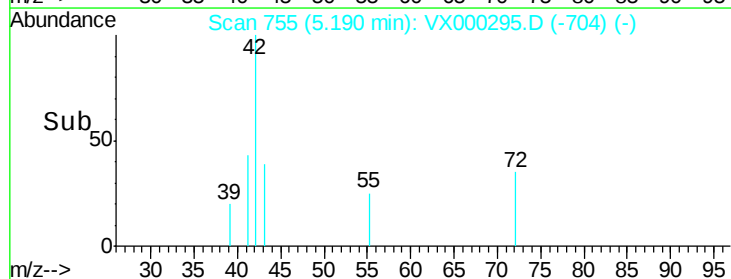
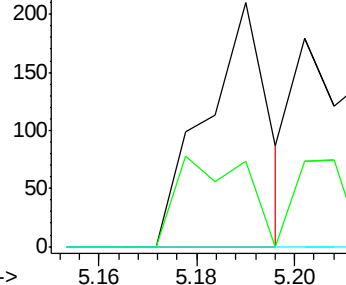
71 0.0 35.0 52.4#

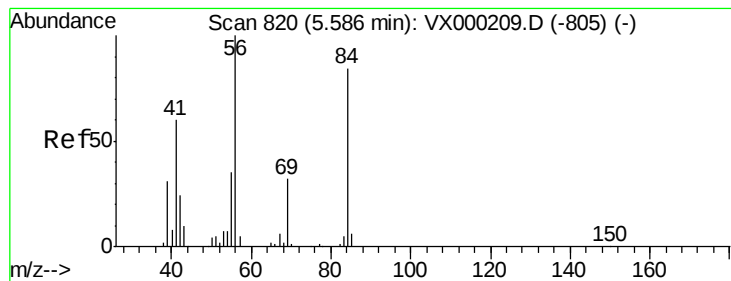


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cvclohexane

Concen: 1.57 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

TB-20180309

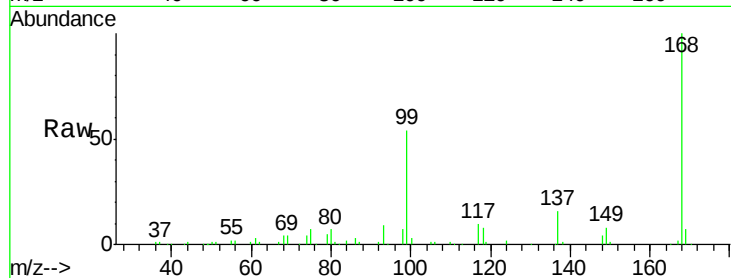
Tot Ion: 56 Resp: 2459

Ion Ratio Lower Upper

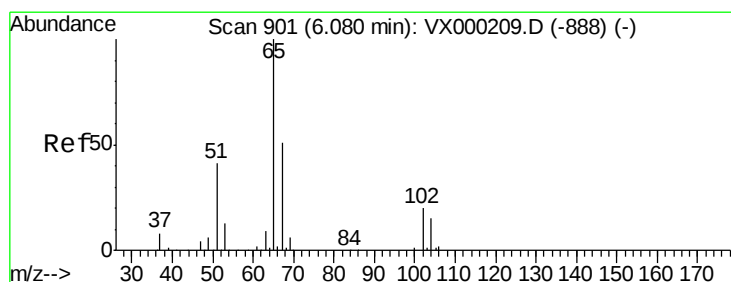
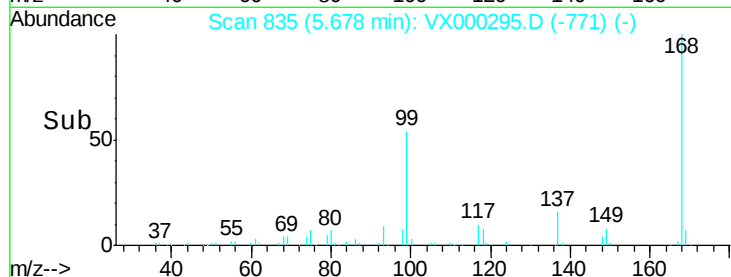
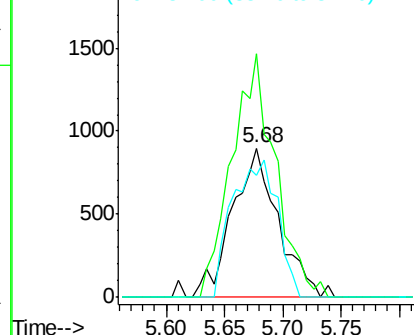
56 100

69 163.5 25.3 37.9#

84 82.4 67.2 100.8



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: 59.02 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000295.D

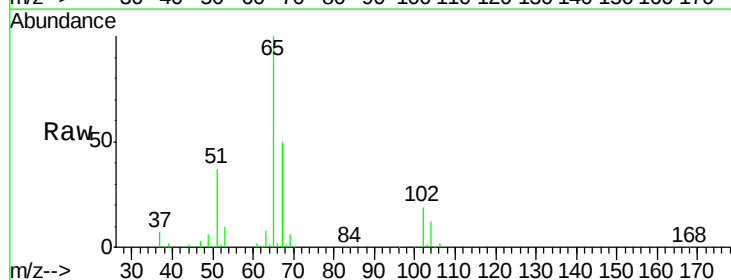
Acq: 13 Mar 2018 12:53

Tgt Ion: 65 Resp: 84582

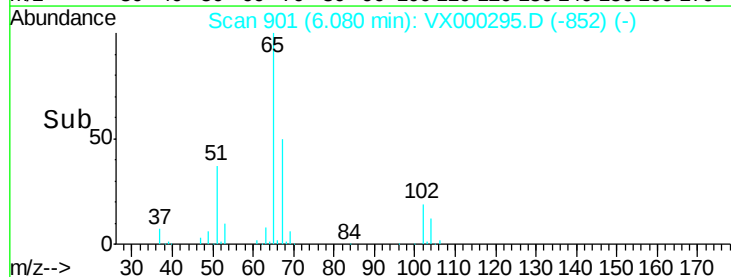
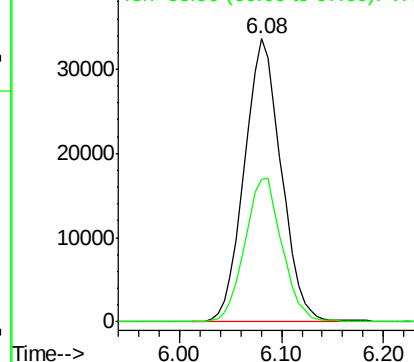
Ion Ratio Lower Upper

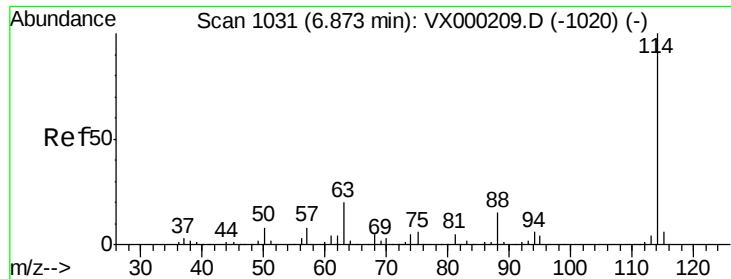
65 100

67 51.5 0.0 103.4



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

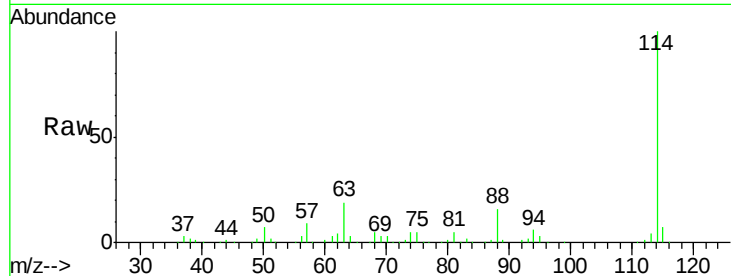




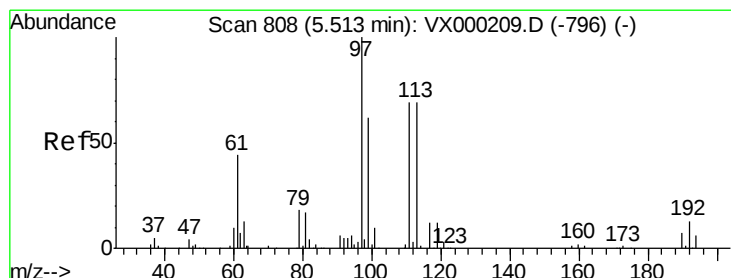
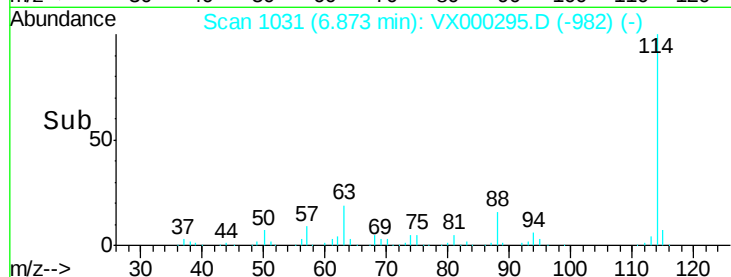
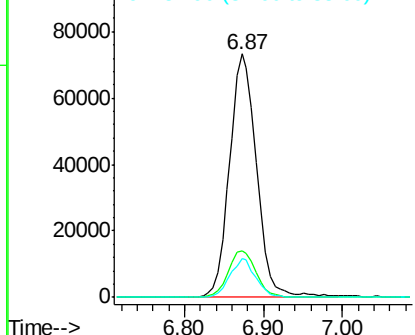
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000295.D
 Acq: 13 Mar 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleID :
 TB-20180309

Tot Ion:114 Resp: 174811
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 15.8 0.0 29.8

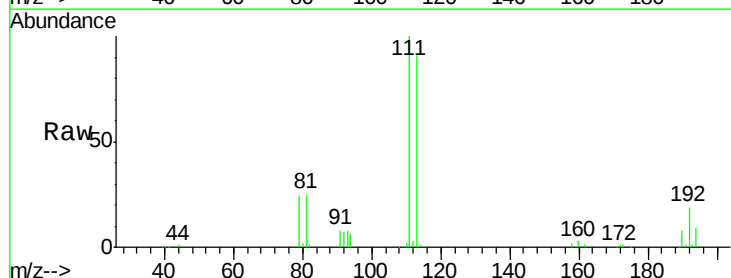


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

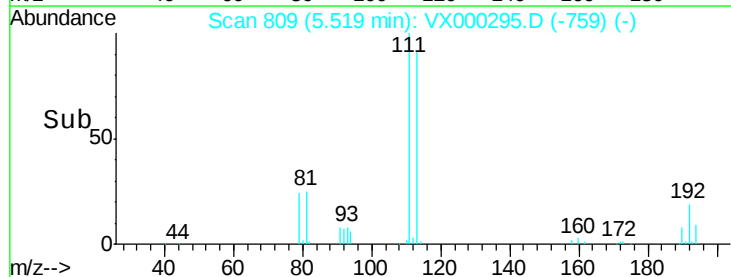
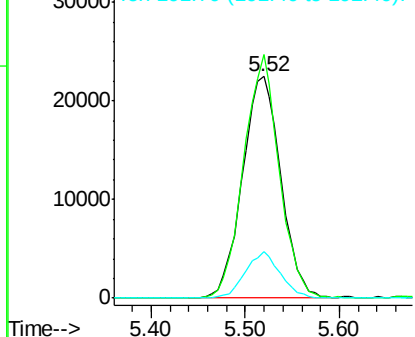


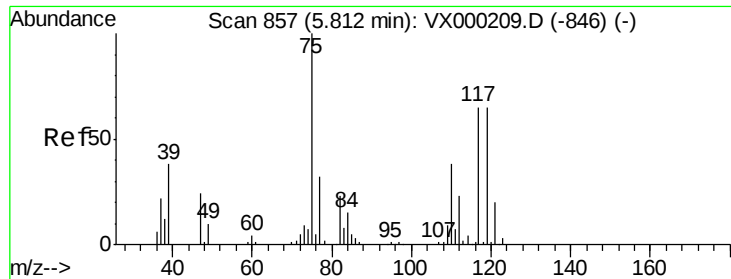
#35
 Dibromofluoromethane
 Concen: 58.46 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000295.D
 Acq: 13 Mar 2018 12:53

Tgt Ion:113 Resp: 64193
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.0 124.6
 192 19.2 15.5 23.3



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: 5.30 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.15 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

Instrument :

MSVOA_X

ClientSampled :

TB-20180309

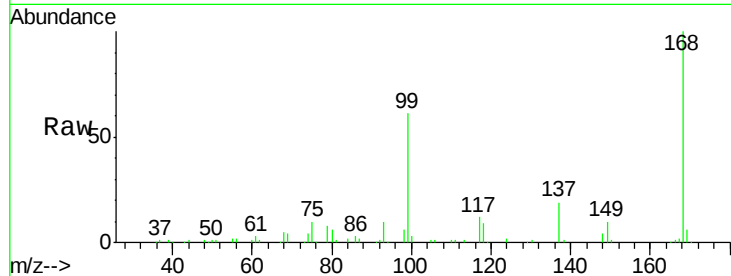
Tot Ion: 75 Resp: 8237

Ion Ratio Lower Upper

75 100

110 2.7 17.8 53.5#

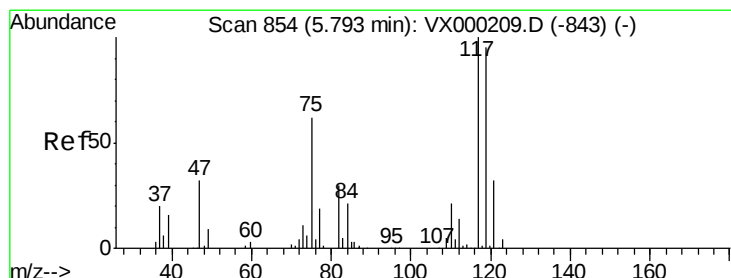
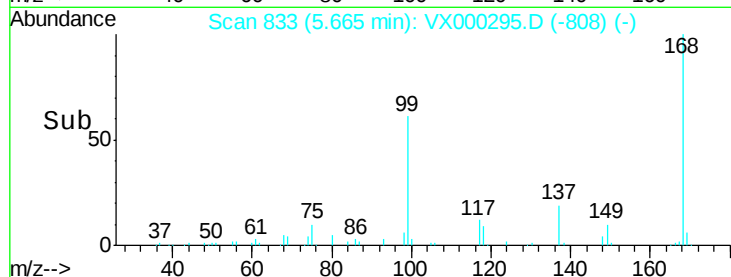
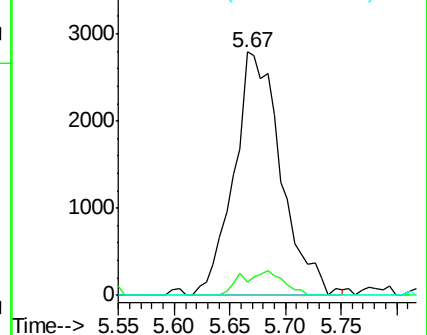
77 0.0 24.9 37.3#



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: 6.54 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

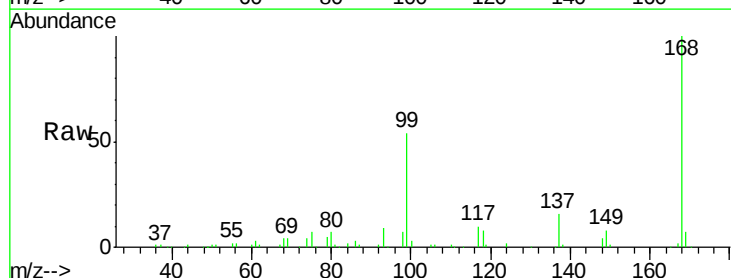
Tgt Ion: 117 Resp: 10296

Ion Ratio Lower Upper

117 100

119 6.9 75.9 113.9#

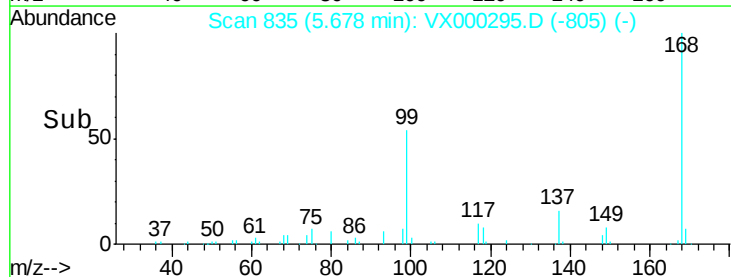
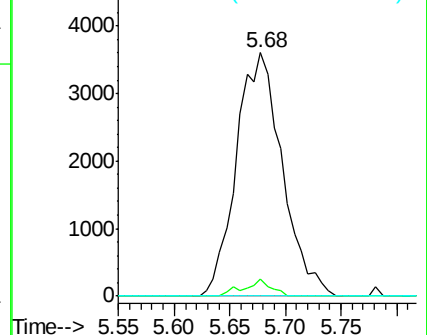
121 0.0 25.8 38.6#

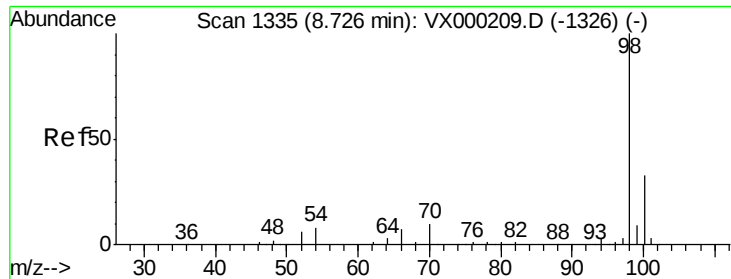


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.62 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

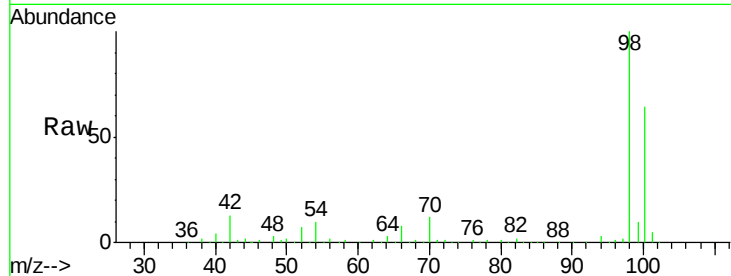
TB-20180309

Tot Ion: 98 Resp: 248398

Ion Ratio Lower Upper

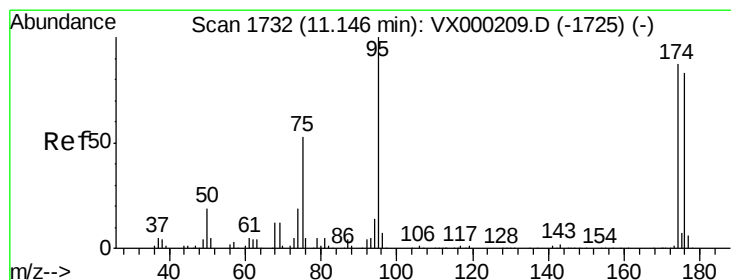
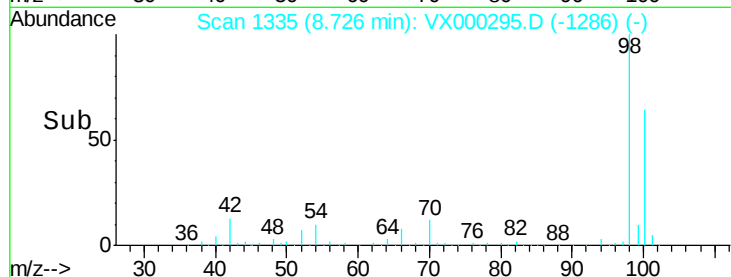
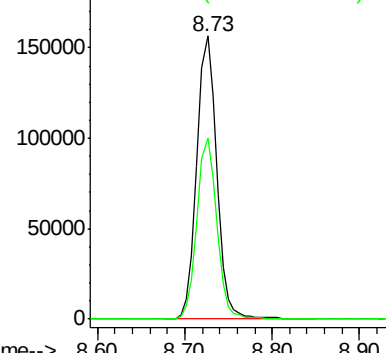
98 100

100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 50.94 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

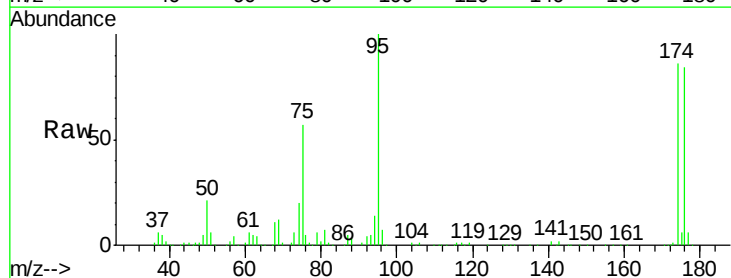
Tgt Ion: 95 Resp: 90419

Ion Ratio Lower Upper

95 100

174 87.1 0.0 175.6

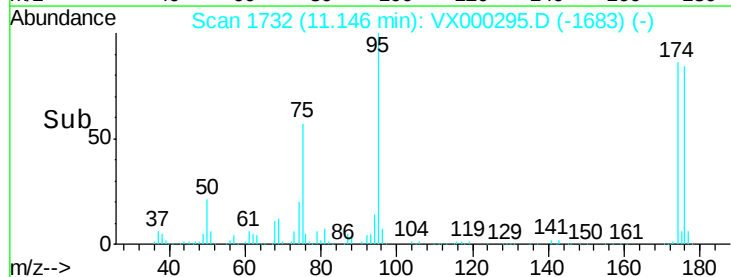
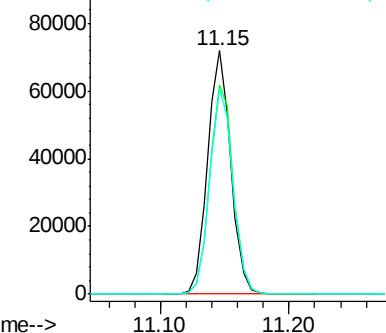
176 84.3 0.0 171.0

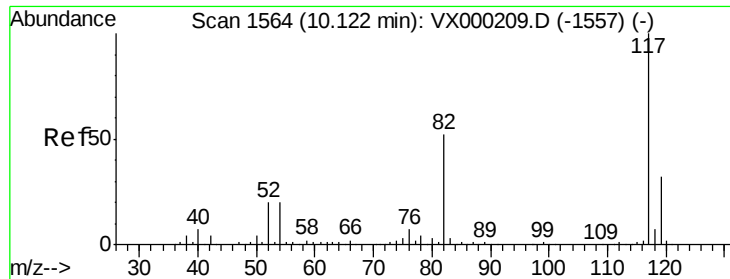


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

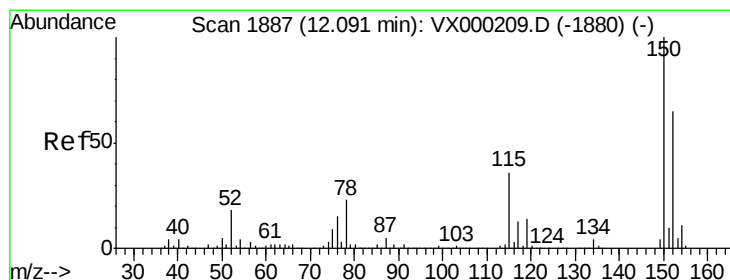
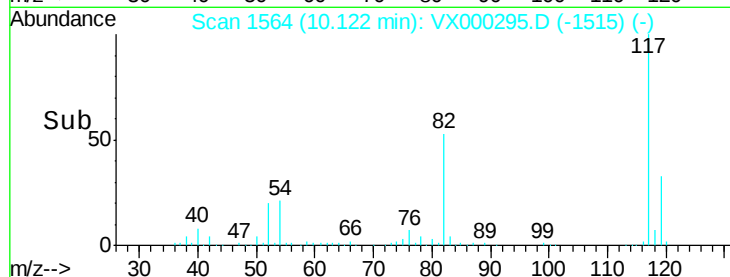
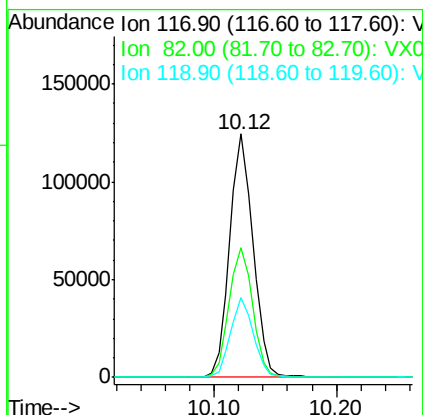
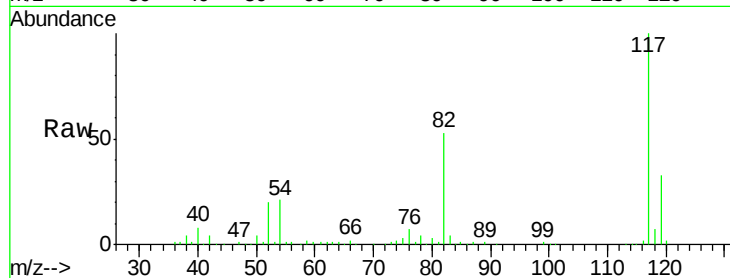




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000295.D
Acq: 13 Mar 2018 12:53

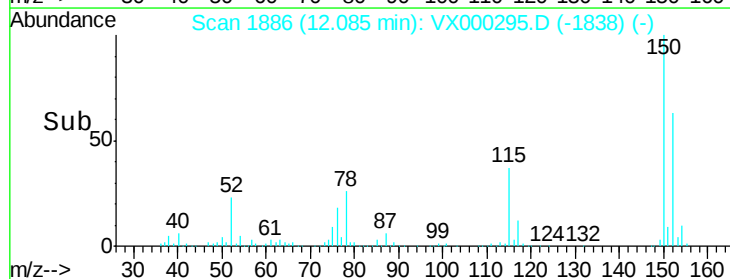
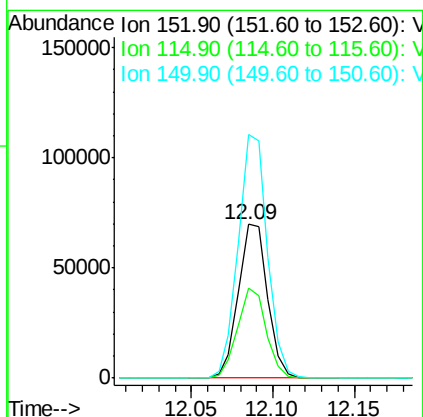
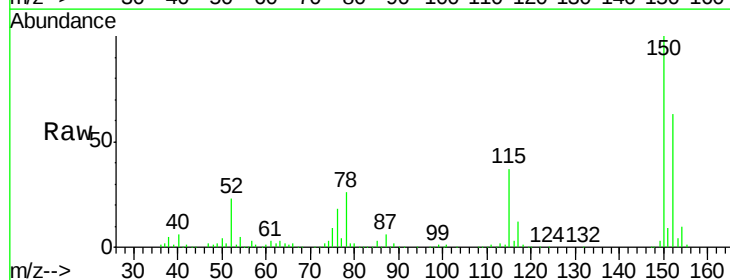
Instrument :
MSVOA_X
ClientSampleId :
TB-20180309

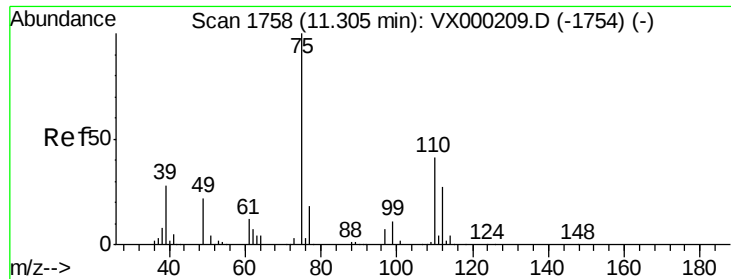
Tot Ion:117 Resp: 164896
Ion Ratio Lower Upper
117 100
82 53.5 42.0 63.0
119 32.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000295.D
Acq: 13 Mar 2018 12:53

Tgt Ion:152 Resp: 87435
Ion Ratio Lower Upper
152 100
115 57.2 39.8 119.3
150 157.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 28.86 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

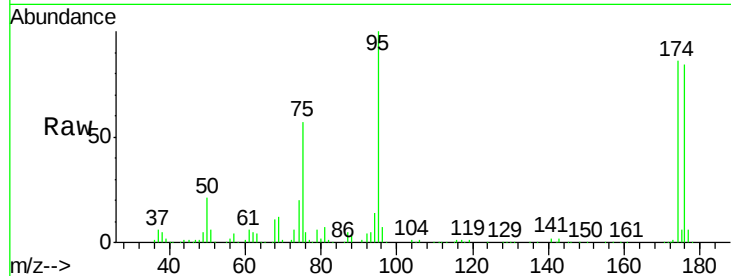
TB-20180309

Tot Ion: 75 Resp: 50579

Ion Ratio Lower Upper

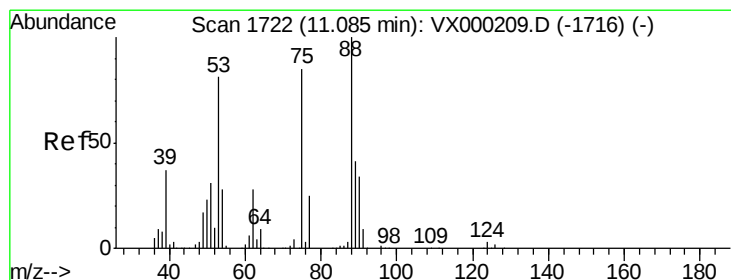
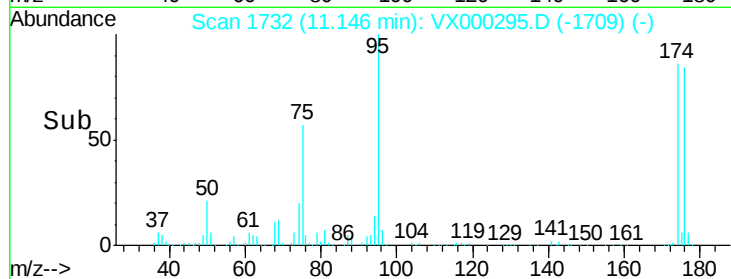
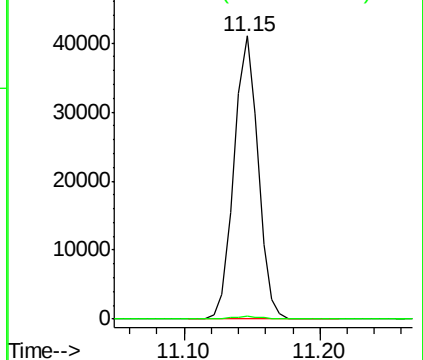
75 100

77 1.3 22.3 66.8#



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: 88.37 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000295.D

Acq: 13 Mar 2018 12:53

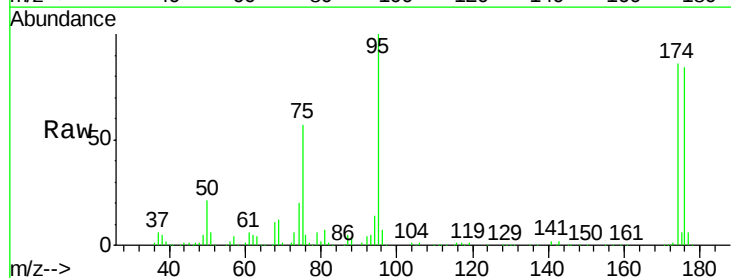
Tgt Ion: 75 Resp: 50579

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 38.8 58.2#



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

