

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000450.D
 Acq On : 26 Mar 2018 19:11
 Operator : JC/MD
 Sample : PB107621TB 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 05:55:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	102336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	180658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	169483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	77430	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	75045	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
35) Dibromofluoromethane	5.51	113	59511	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
50) Toluene-d8	8.73	98	223729	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
62) 4-Bromofluorobenzene	11.15	95	71567	37.67	ug/l	0.00
Spiked Amount			Recovery	=	75.34%	

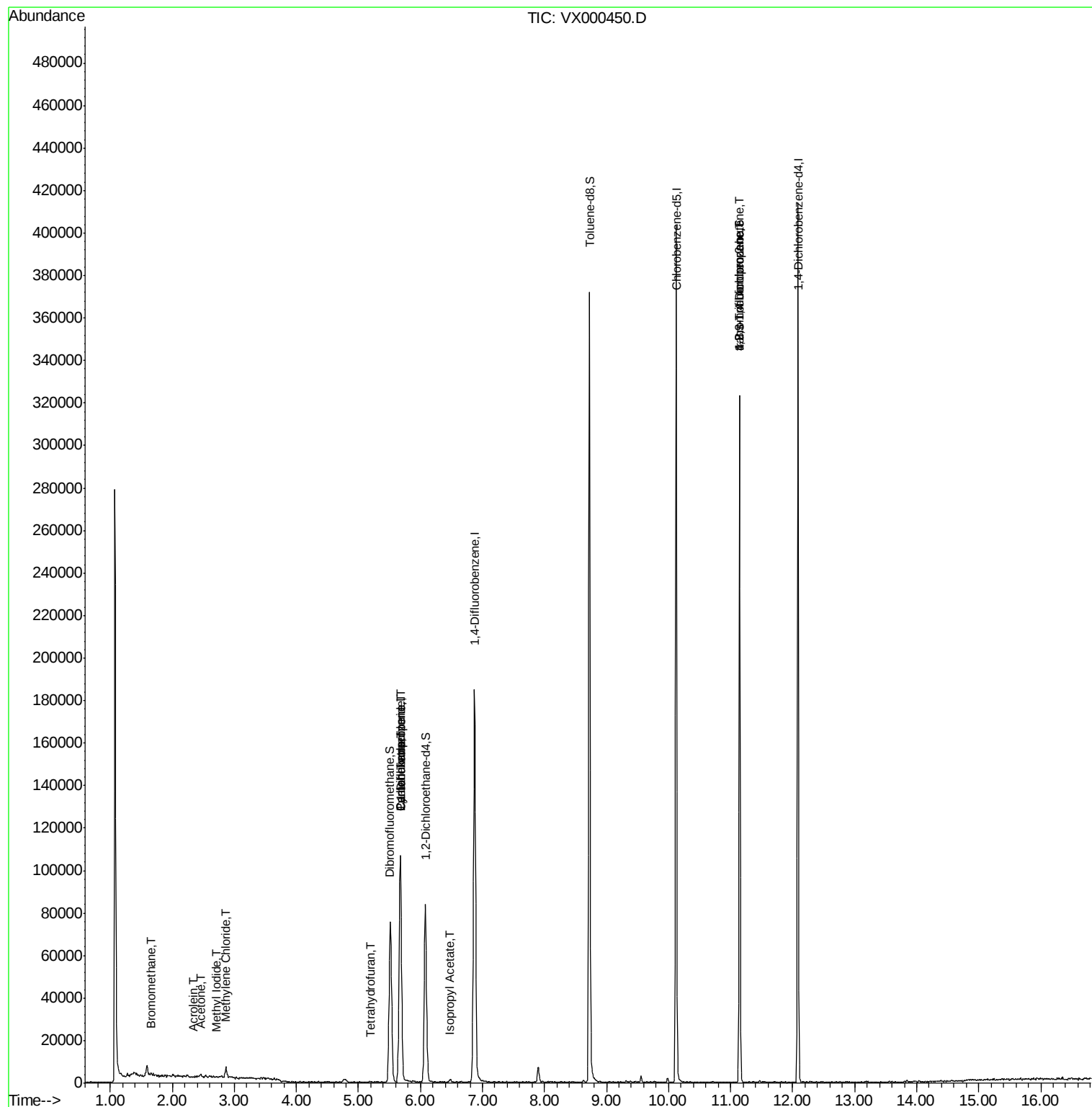
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	237	0.204	ug/l #	62
6) Chloroethane	1.72	64	526	Below Cal		96
10) Methyl Iodide	2.71	142	38	4.303	ug/l #	23
13) Acrolein	2.33	56	22	14.719	ug/l #	1
14) Allyl chloride	2.70	41	125	Below Cal	#	32
16) Acetone	2.45	43	2067	1.860	ug/l #	83
20) Methylene Chloride	2.87	84	1925	1.500	ug/l #	83
29) Tetrahydrofuran	5.19	42	316	0.411	ug/l #	76
31) Cyclohexane	5.68	56	2415	1.433	ug/l #	34
36) 1,1-Dichloropropene	5.68	75	7789	4.603	ug/l #	47
38) Carbon Tetrachloride	5.67	117	9983	5.623	ug/l #	16
43) Isopropyl Acetate	6.48	43	1603	0.466	ug/l #	89
74) N-amyl acetate	6.48	43	1603	Below Cal	#	97
76) 1,2,3-Trichloropropane	11.15	75	41762	25.096	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	41762	81.252	ug/l #	9

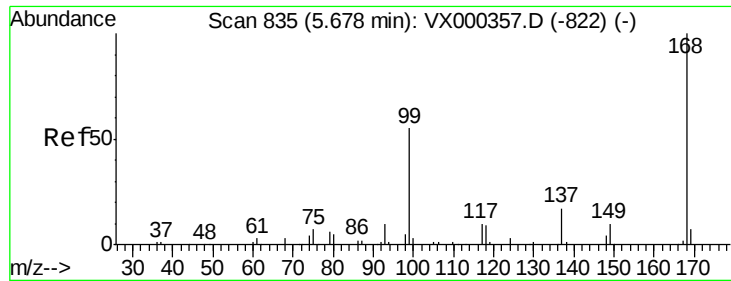
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
Data File : VX000450.D
Acq On : 26 Mar 2018 19:11
Operator : JC/MD
Sample : PB107621TB 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 27 05:55:27 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

Instrument :

MSVOA_X

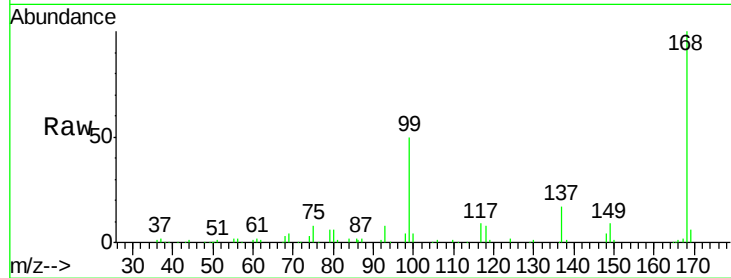
ClientSampled :

Tot Ion:168 Resp: 102336

Ion Ratio Lower Upper

168 100

99 50.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

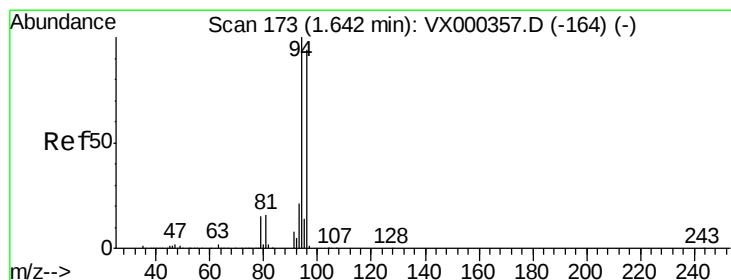
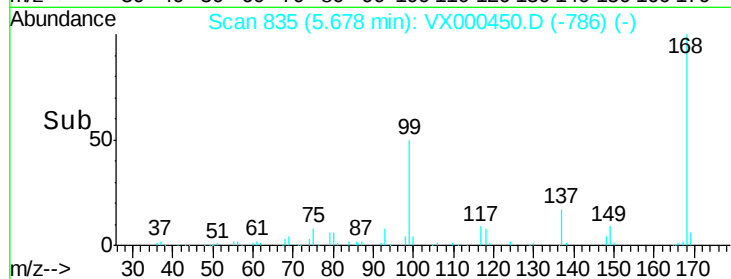
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.204 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000450.D

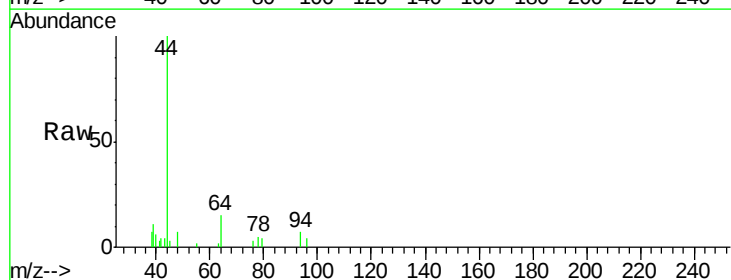
Acq: 26 Mar 2018 19:11

Tgt Ion: 94 Resp: 237

Ion Ratio Lower Upper

94 100

96 59.3 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

150

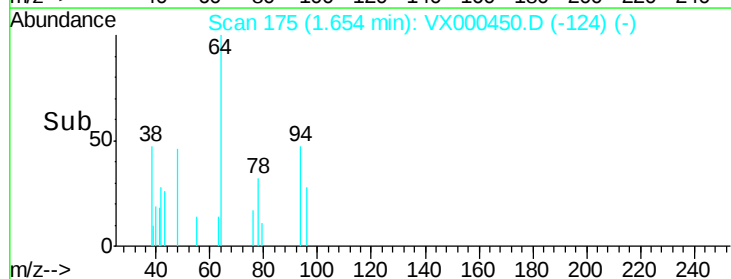
100

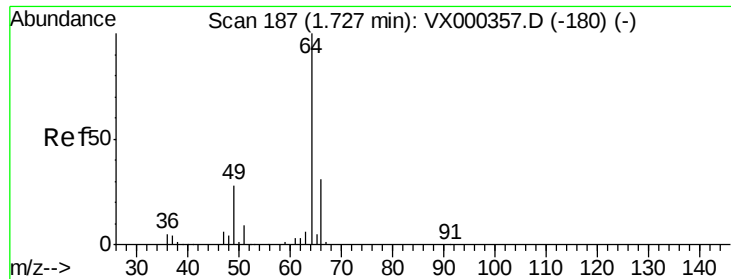
50

0

Time-->

1.60 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

Instrument :

MSVOA_X

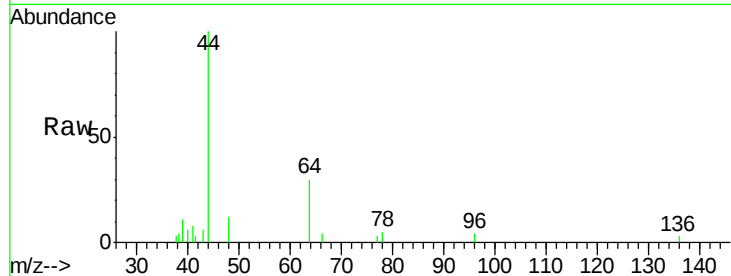
ClientSampleId :

Tot Ion: 64 Resp: 526

Ion Ratio Lower Upper

64 100

66 28.9 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

800

600

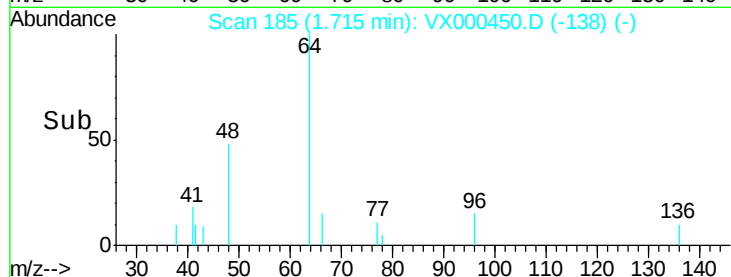
400

200

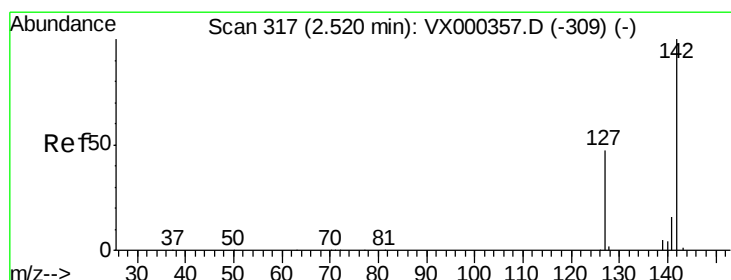
0

1.66 1.68 1.70 1.72 1.74

1.72



Time-->



#10

Methyl Iodide

Concen: 4.303 ug/l

RT: 2.71 min Scan# 349

Delta R.T. 0.20 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

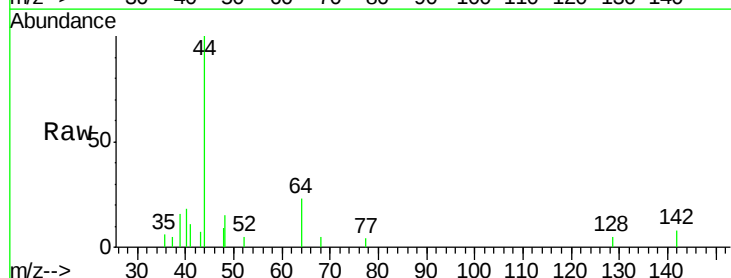
Tgt Ion:142 Resp: 38

Ion Ratio Lower Upper

142 100

127 0.0 39.2 58.8#

141 52.6 11.7 17.5#



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

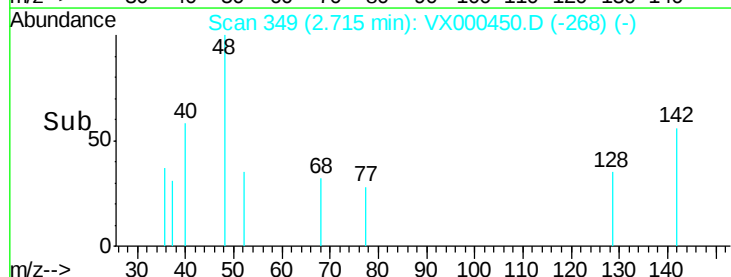
100

50

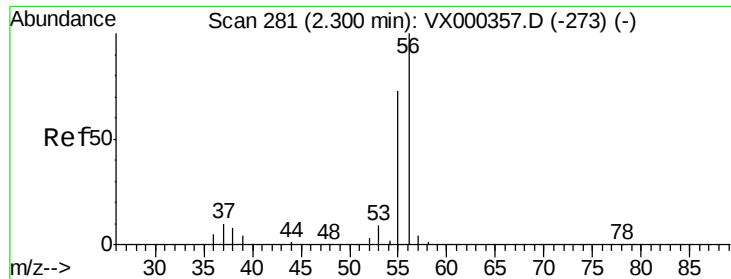
0

2.70 2.71 2.72 2.73

2.71



Time-->



#13

Acrolein

Concen: 14.719 ug/l

RT: 2.33 min Scan# 286

Delta R.T. 0.03 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

Instrument :

MSVOA_X

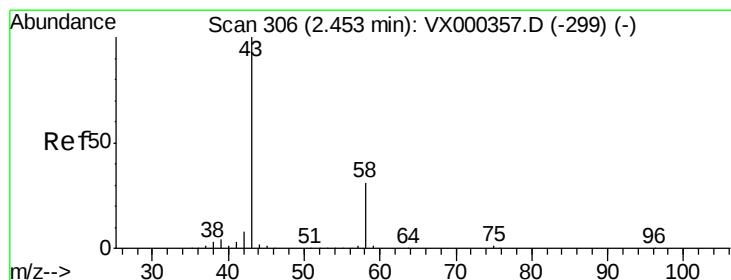
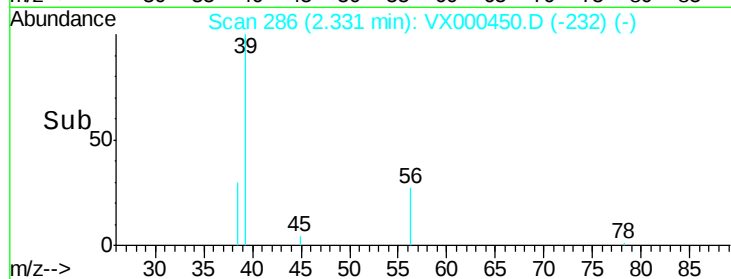
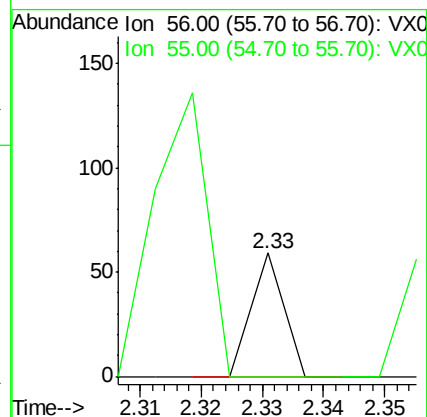
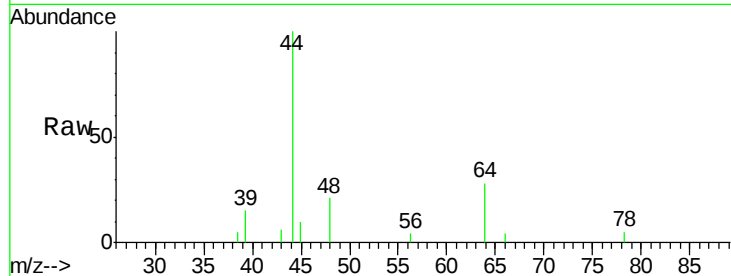
ClientSampled :

Tot Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 563.6 58.8 88.2#



#16

Acetone

Concen: 1.860 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000450.D

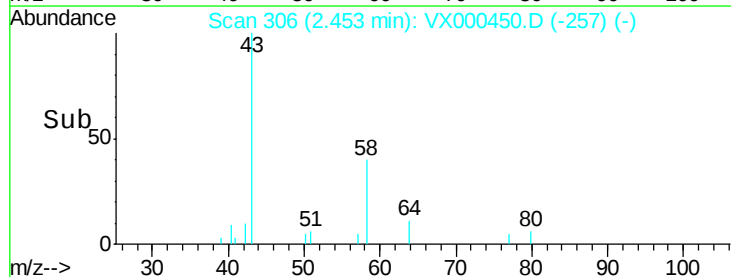
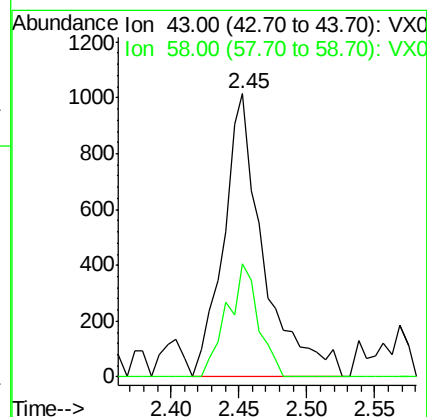
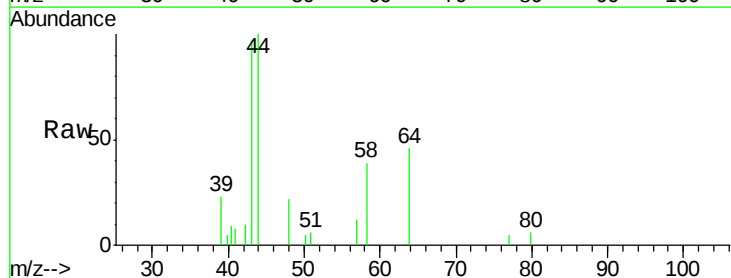
Acq: 26 Mar 2018 19:11

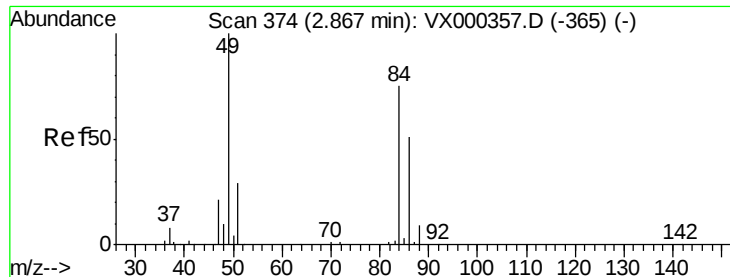
Tgt Ion: 43 Resp: 2067

Ion Ratio Lower Upper

43 100

58 40.0 24.7 37.1#

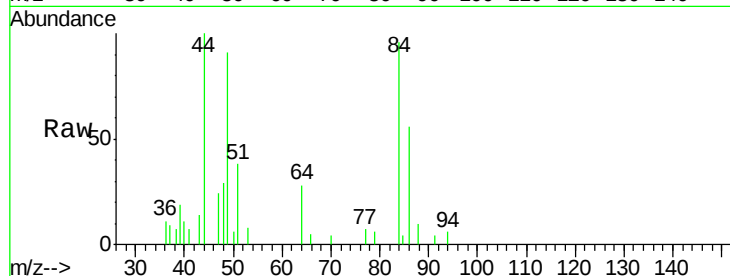




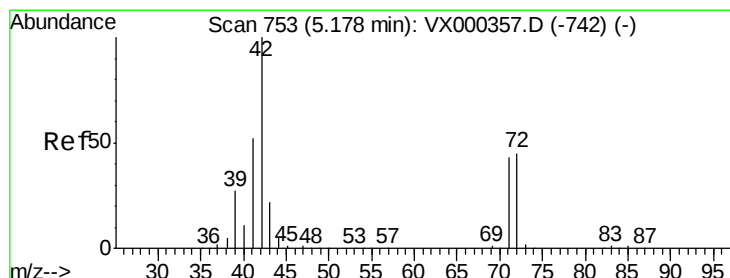
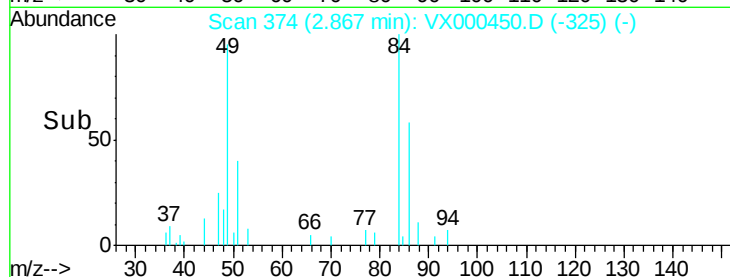
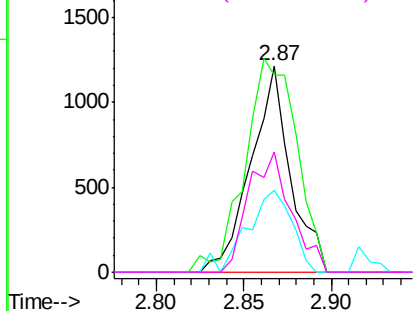
#20
Methvlene Chloride
Concen: 1.500 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000450.D
Acq: 26 Mar 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 1925
Ion Ratio Lower Upper
84 100
49 95.3 100.6 151.0#
51 39.7 31.6 47.4
86 58.3 52.6 78.8

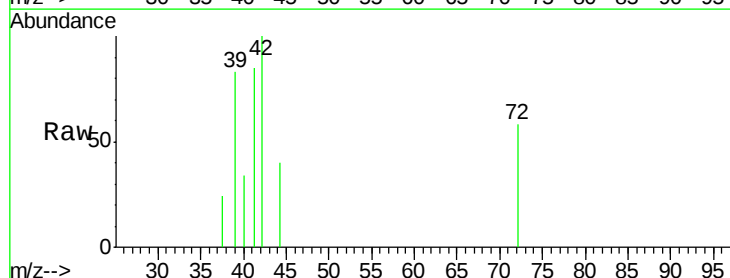


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

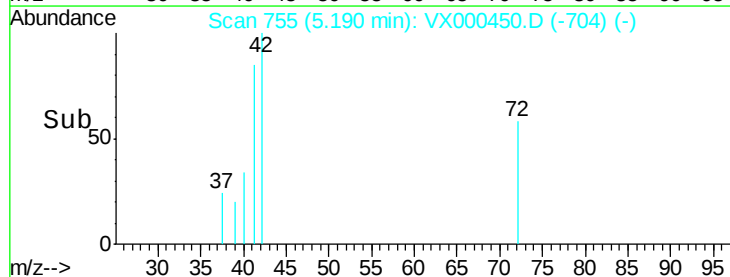
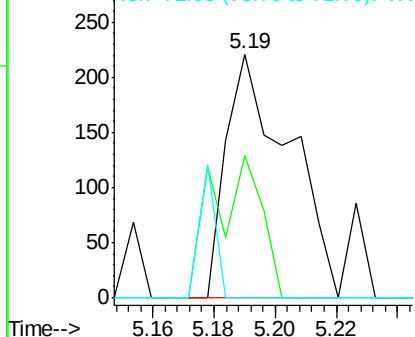


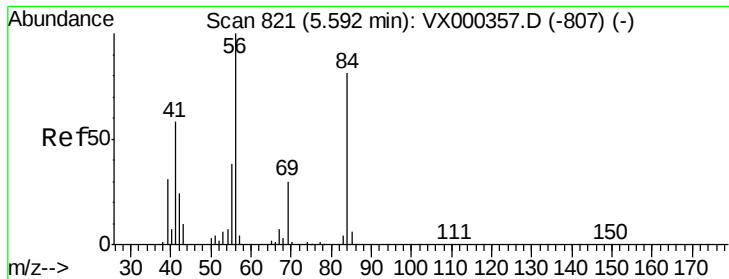
#29
Tetrahydrofuran
Concen: 0.411 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX000450.D
Acq: 26 Mar 2018 19:11

Tgt Ion: 42 Resp: 316
Ion Ratio Lower Upper
42 100
72 44.0 37.9 56.9
71 13.9 34.4 51.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

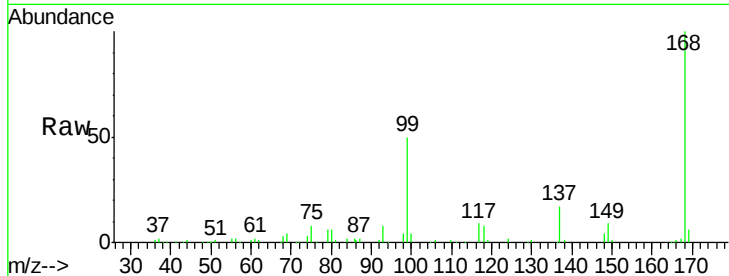




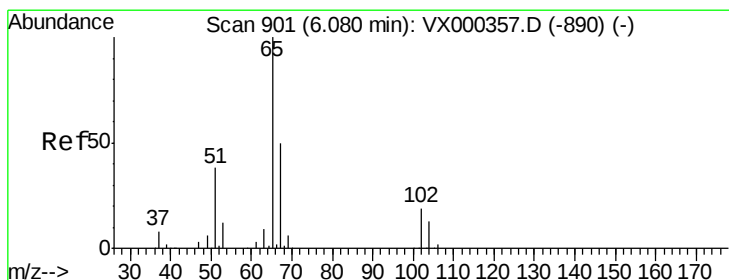
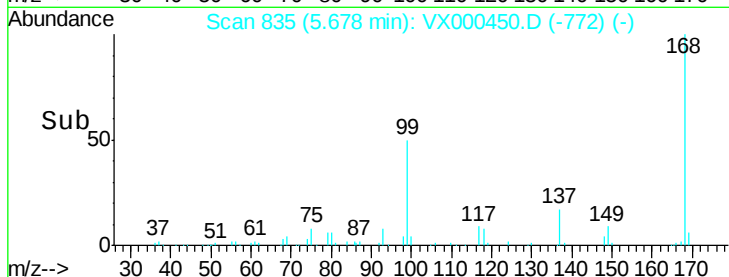
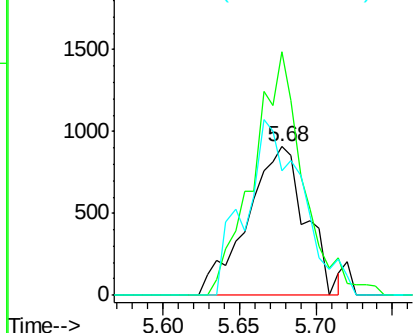
#31
Cyclohexane
Concen: 1.433 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000450.D
Acq: 26 Mar 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 2415
Ion Ratio Lower Upper
56 100
69 163.6 23.4 35.0#
84 83.9 71.0 106.4

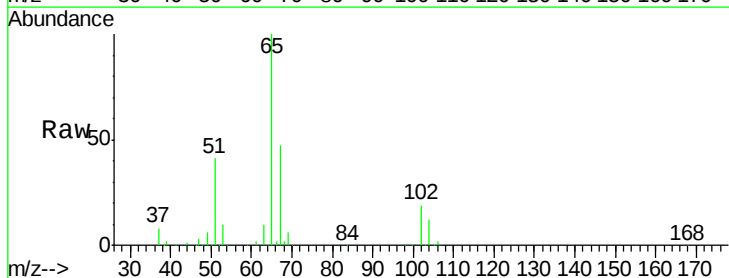


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

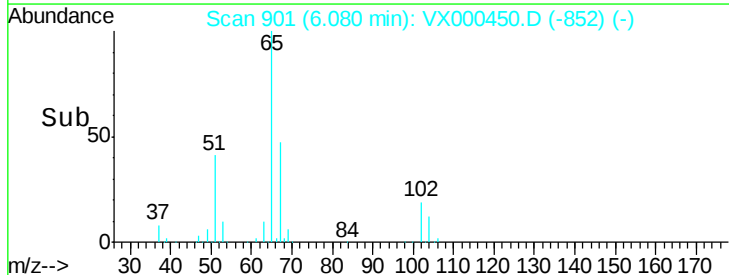
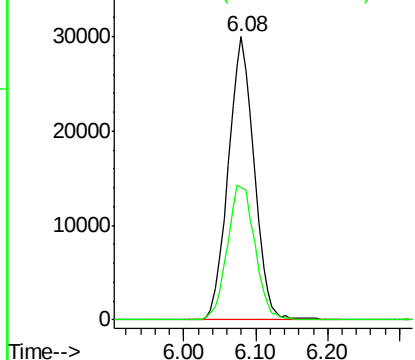


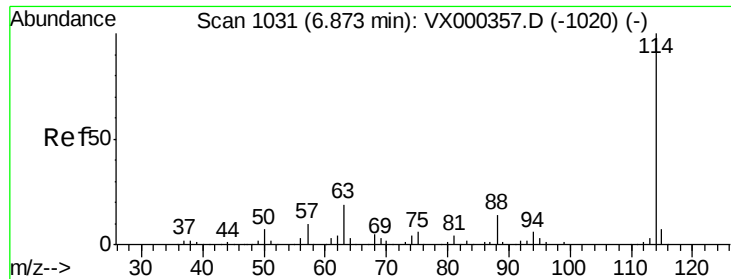
#33
1,2-Dichloroethane-d4
Concen: 56.178 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000450.D
Acq: 26 Mar 2018 19:11

Tgt Ion: 65 Resp: 75045
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :

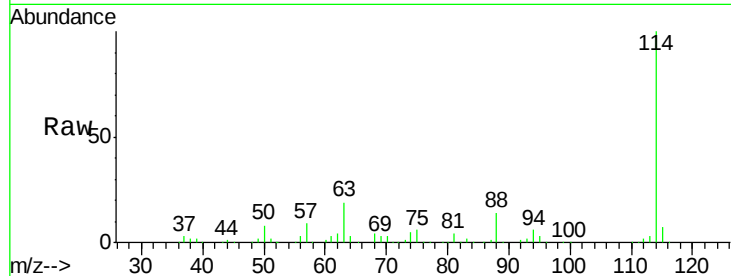
Tot Ion:114 Resp: 180658

Ion Ratio Lower Upper

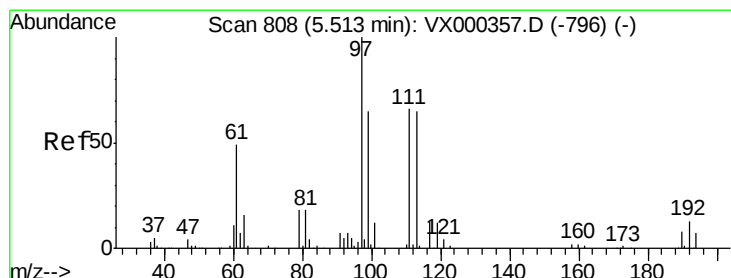
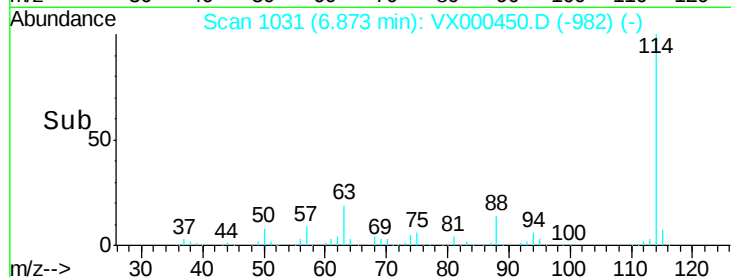
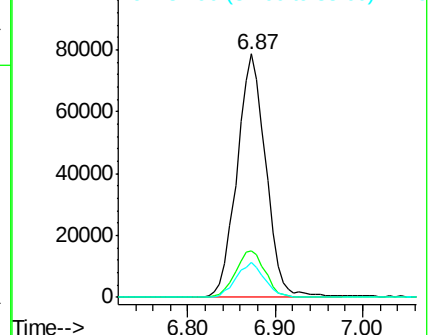
114 100

63 19.1 0.0 38.4

88 14.4 0.0 27.0



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: 52.281 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

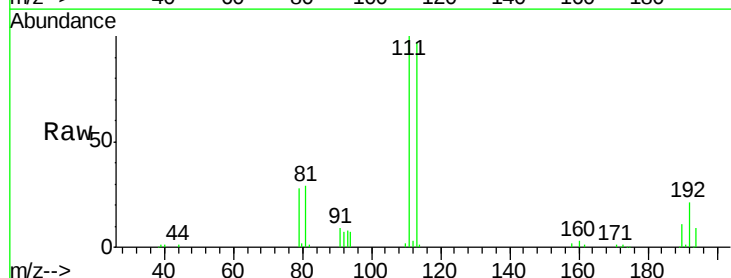
Tgt Ion:113 Resp: 59511

Ion Ratio Lower Upper

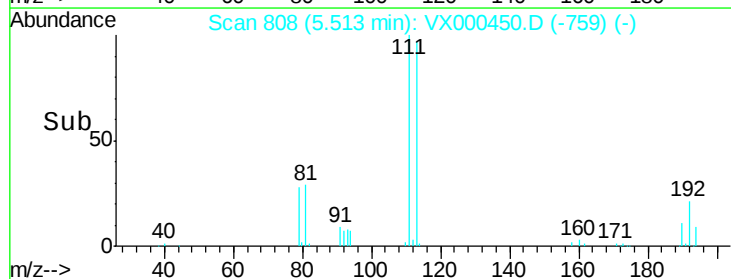
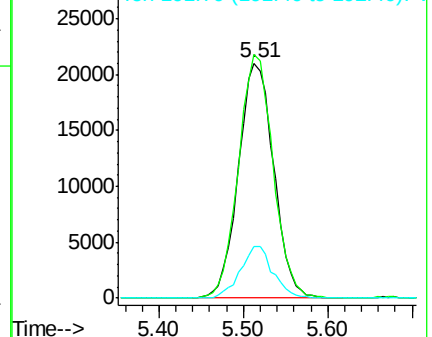
113 100

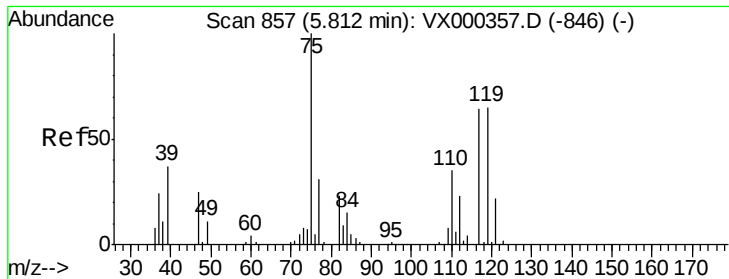
111 101.5 82.4 123.6

192 20.4 15.8 23.6



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

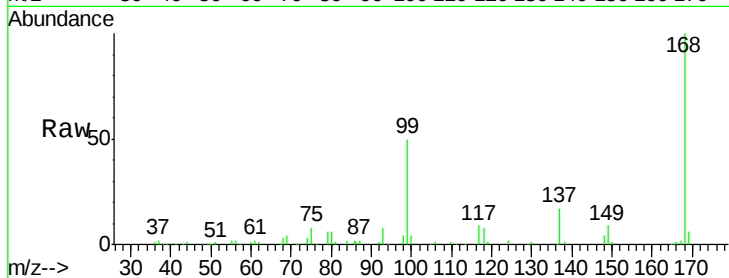




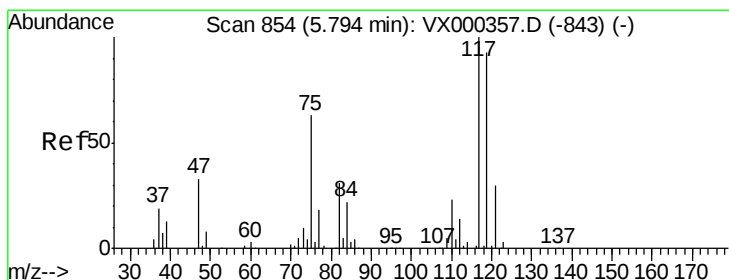
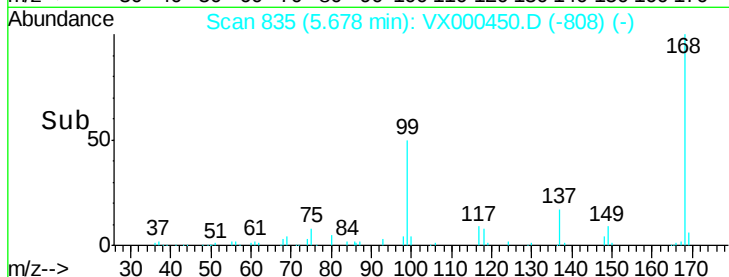
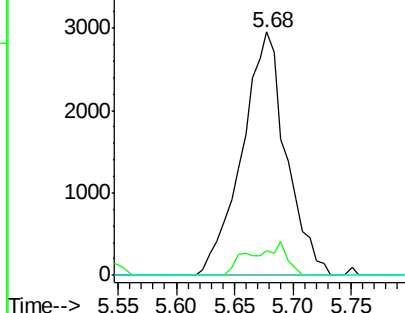
#36
 1,1-Dichloropropene
 Concen: 4.603 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000450.D
 Acq: 26 Mar 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.8	17.9	53.7#
77	0.0	24.0	36.0#

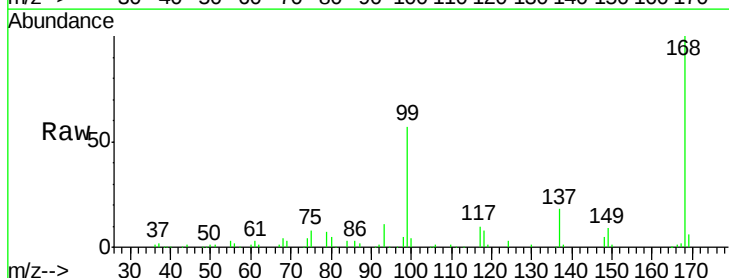


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

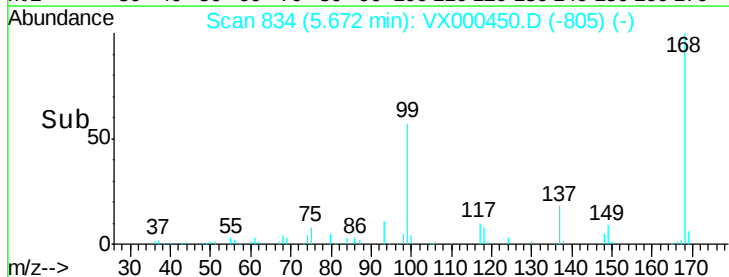
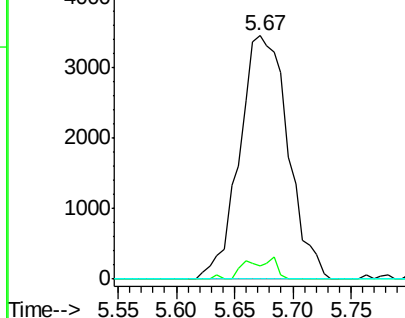


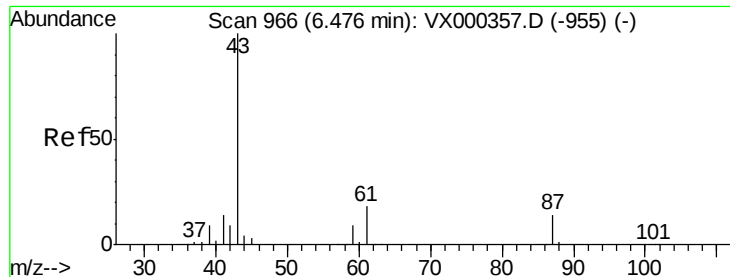
#38
 Carbon Tetrachloride
 Concen: 5.623 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000450.D
 Acq: 26 Mar 2018 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.4	116.2#
121	0.0	24.8	37.2#



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





#43

Isopropyl Acetate

Concen: 0.466 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

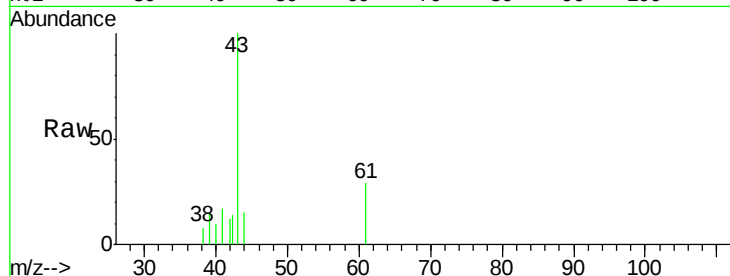
Tot Ion: 43 Resp: 1603

Ion Ratio Lower Upper

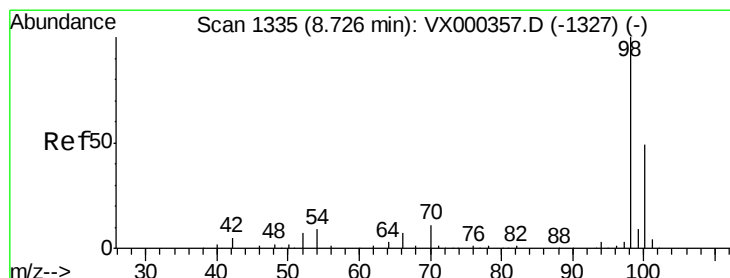
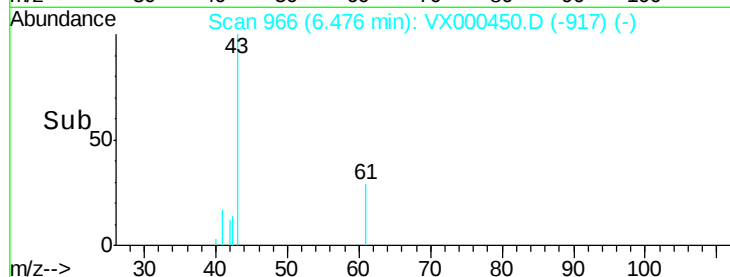
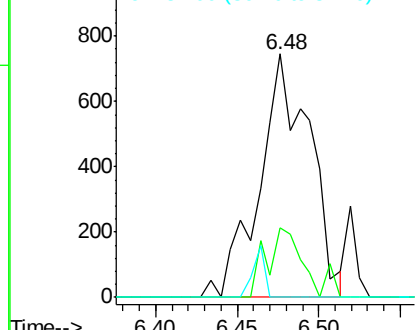
43 100

61 19.2 14.4 21.6

87 4.9 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 47.456 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000450.D

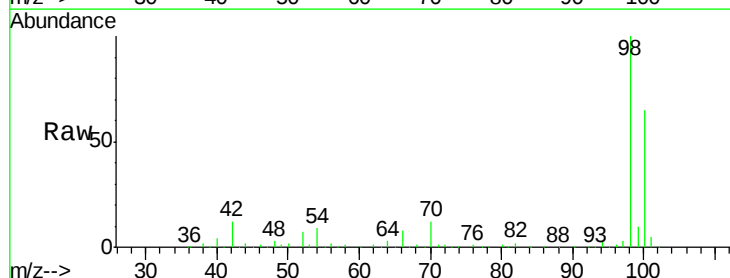
Acq: 26 Mar 2018 19:11

Tgt Ion: 98 Resp: 223729

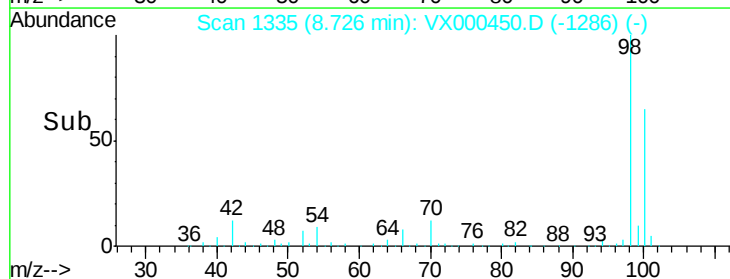
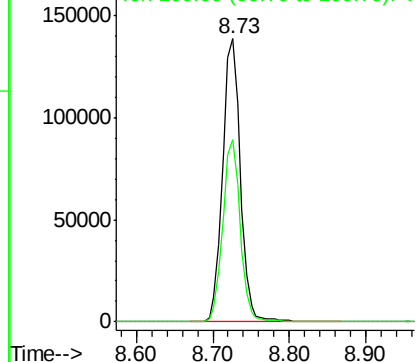
Ion Ratio Lower Upper

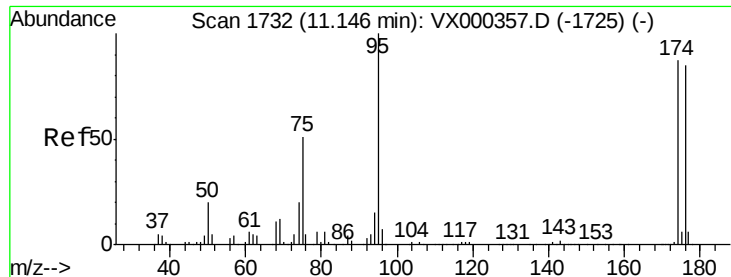
98 100

100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 37.666 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

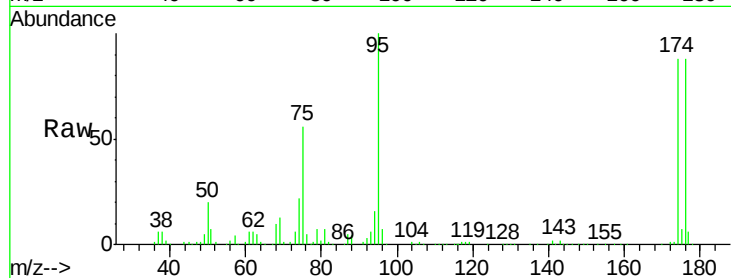
Tot Ion: 95 Resp: 71567

Ion Ratio Lower Upper

95 100

174 91.2 0.0 173.6

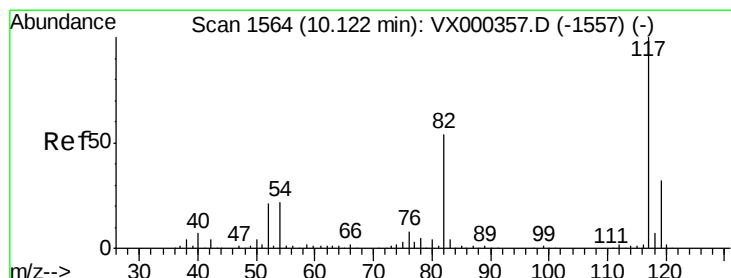
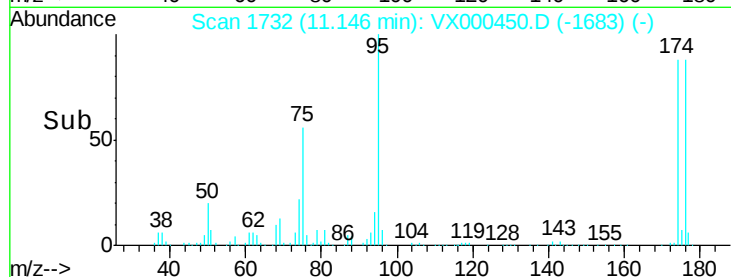
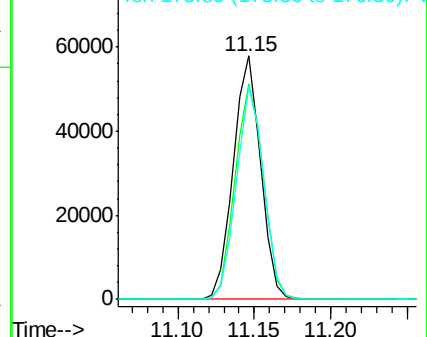
176 87.6 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000450.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000450.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000450.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

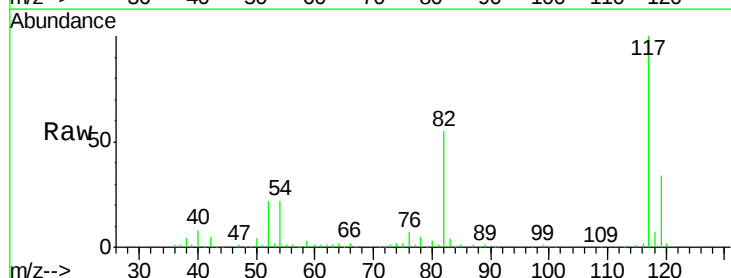
Tgt Ion: 117 Resp: 169483

Ion Ratio Lower Upper

117 100

82 54.8 43.8 65.8

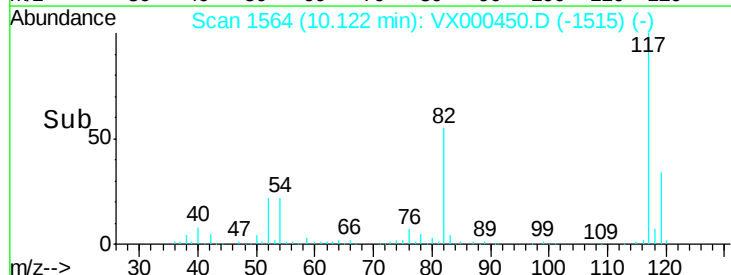
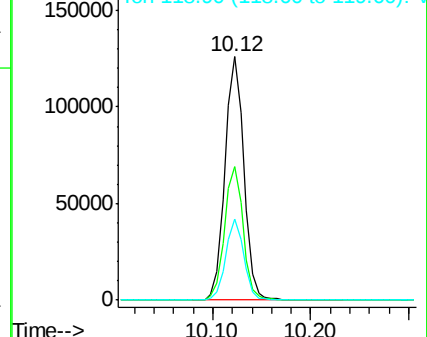
119 33.5 24.9 37.3

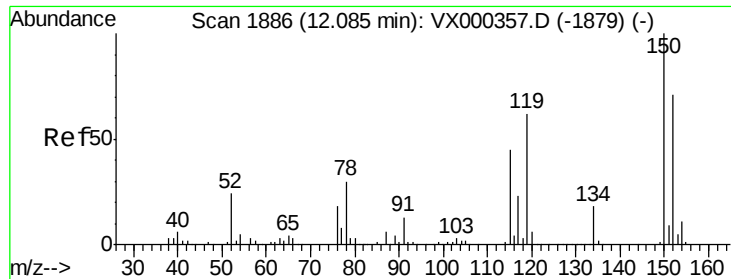


Abundance Ion 116.90 (116.60 to 117.60): VX000450.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000450.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000450.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

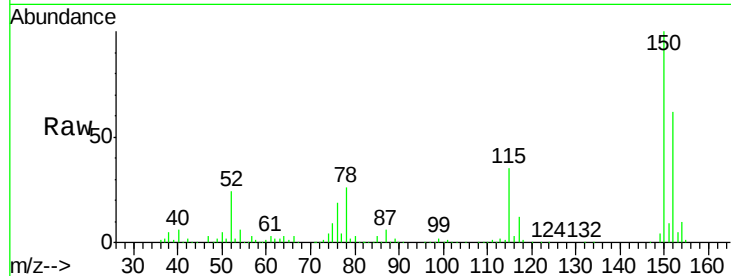
Tot Ion:152 Resp: 77430

Ion Ratio Lower Upper

152 100

115 56.7 39.8 119.3

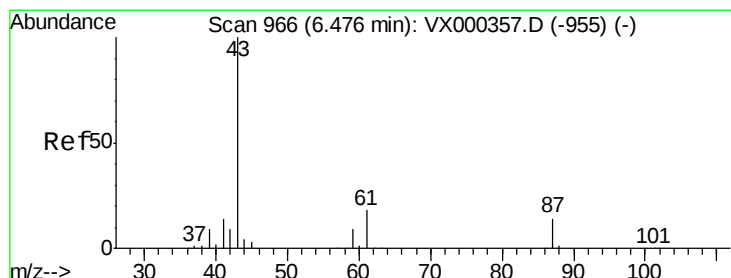
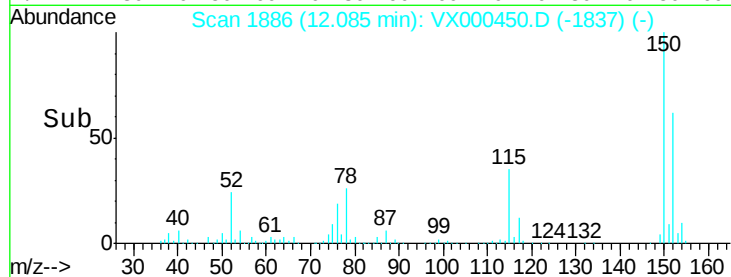
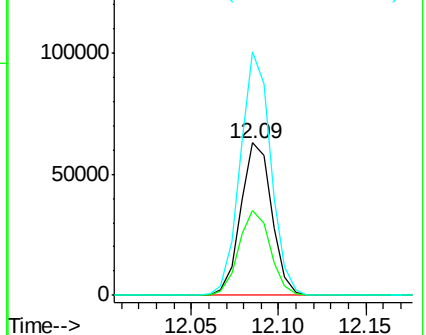
150 157.6 0.0 344.4



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



#74

N-amil acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

Tgt Ion: 43 Resp: 1603

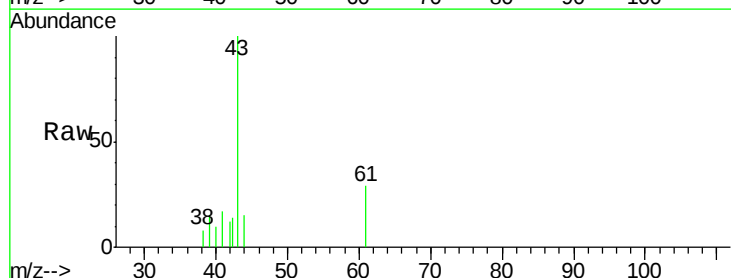
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 19.2 14.4 21.6

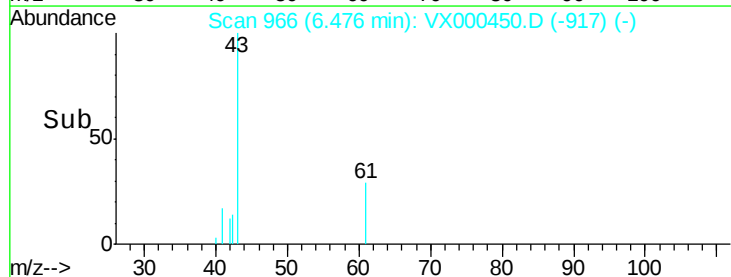
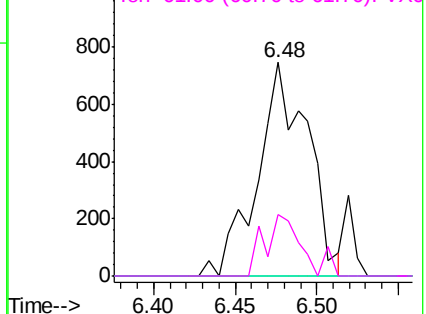


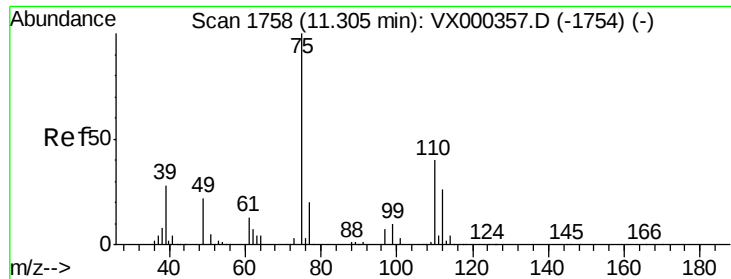
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 25.096 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

Instrument :

MSVOA_X

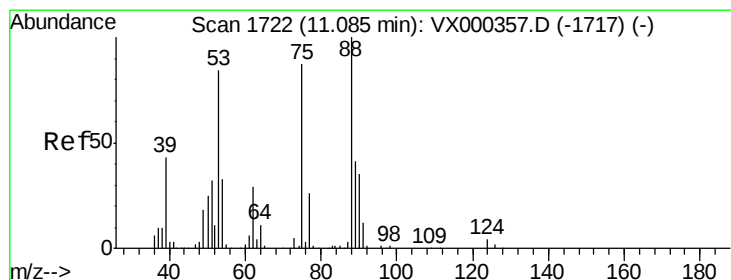
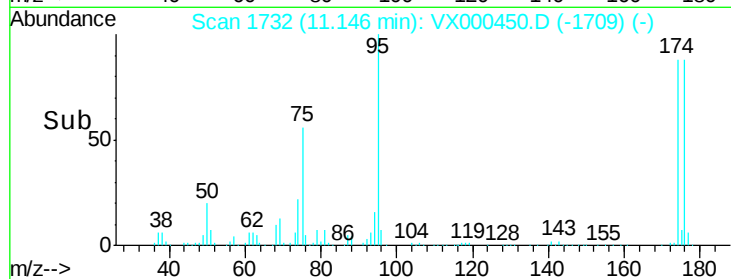
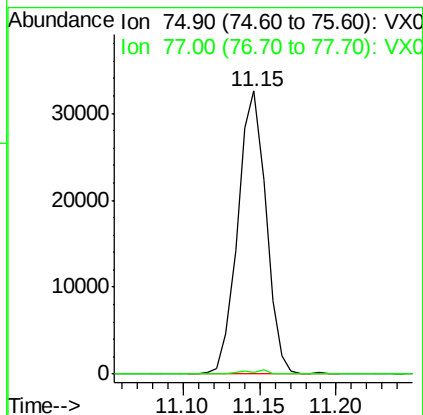
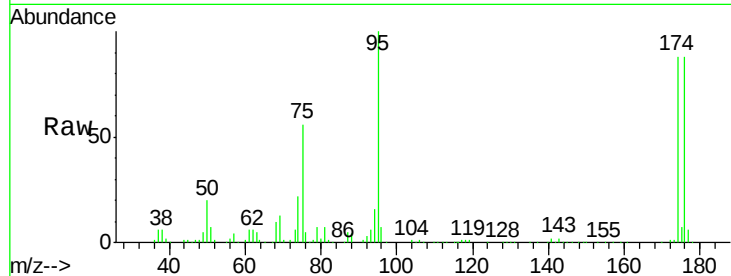
ClientSampleId :

Tot Ion: 75 Resp: 41762

Ion Ratio Lower Upper

75 100

77 1.4 21.4 64.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.252 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000450.D

Acq: 26 Mar 2018 19:11

Tgt Ion: 75 Resp: 41762

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#

