

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX051818\
 Data File : VX001829.D
 Acq On : 18 May 2018 16:41
 Operator : JC/MD
 Sample : J2853-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:24:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	310026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	439925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	188910	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	231023	55.59	ug/l	0.00
Spiked Amount			Recovery	=	111.18%	
35) Dibromofluoromethane	5.51	113	195878	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
50) Toluene-d8	8.72	98	704843	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
62) 4-Bromofluorobenzene	11.14	95	202725	42.34	ug/l	0.00
Spiked Amount			Recovery	=	84.68%	

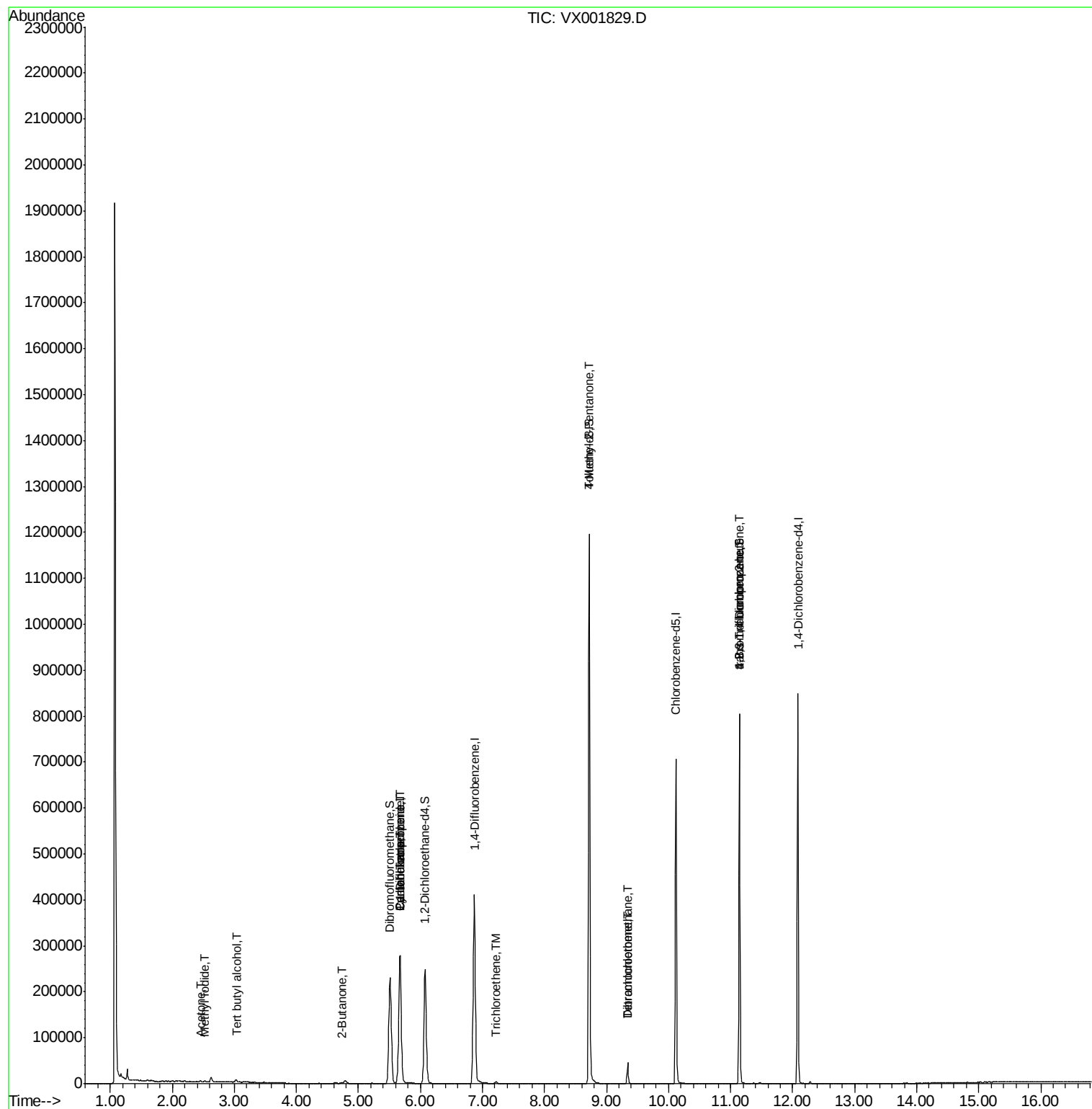
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	1323	Below Cal		83
10) Methyl Iodide	2.52	142	1151	0.39 ug/l	#	95
11) Tert butyl alcohol	3.03	59	2792	3.78 ug/l	#	77
16) Acetone	2.45	43	2157	1.32 ug/l	#	84
25) 2-Butanone	4.72	43	1527	0.61 ug/l	#	86
31) Cyclohexane	5.67	56	4754	0.91 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	17515	3.46 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	25027	4.72 ug/l	#	16
44) Trichloroethene	7.22	130	1786	0.39 ug/l	#	88
51) 4-Methyl-2-Pentanone	8.72	43	2991	0.57 ug/l	#	1
60) Dibromochloromethane	9.34	129	7994	2.13 ug/l	#	11
64) Tetrachloroethene	9.34	164	9688	2.14 ug/l	#	92
76) 1,2,3-Trichloropropane	11.14	75	93552	26.04 ug/l	#	39
81) trans-1,4-Dichloro-2-buten	11.14	75	93552	75.78 ug/l	#	10

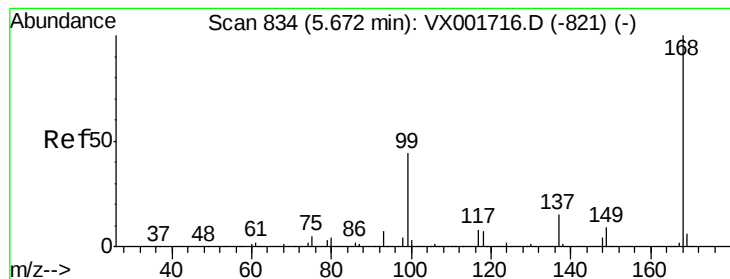
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001829.D

Acq: 18 May 2018 16:41

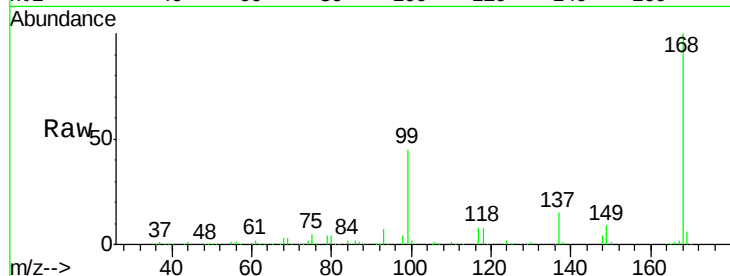
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 310026

Ion Ratio Lower Upper

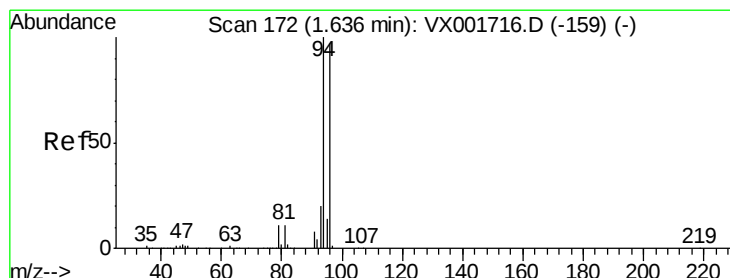
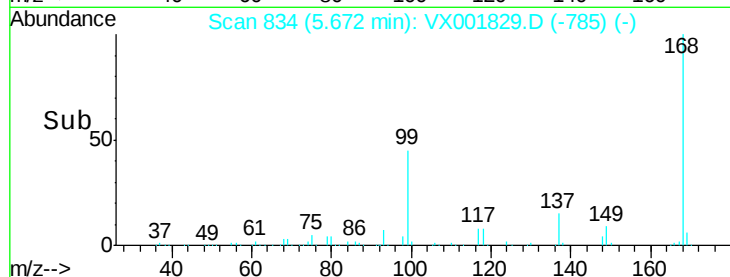
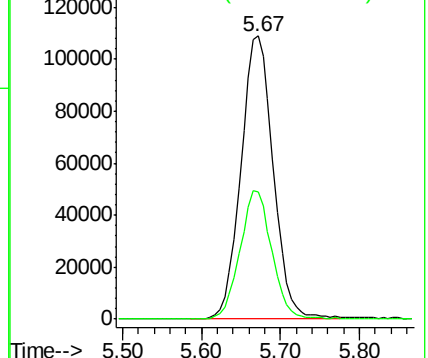
168 100

99 45.1 35.0 52.4



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: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001829.D

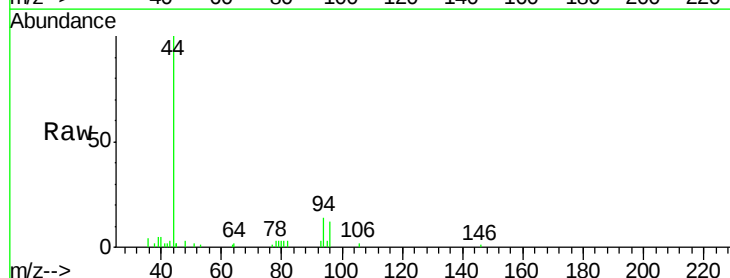
Acq: 18 May 2018 16:41

Tgt Ion: 94 Resp: 1323

Ion Ratio Lower Upper

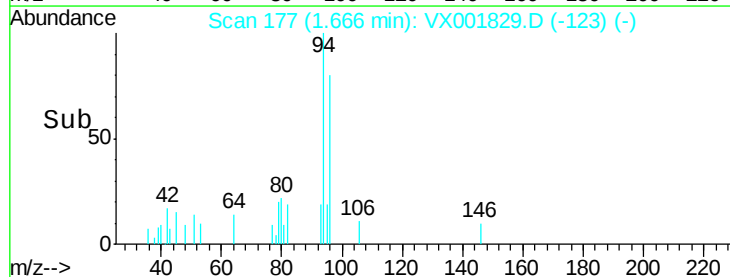
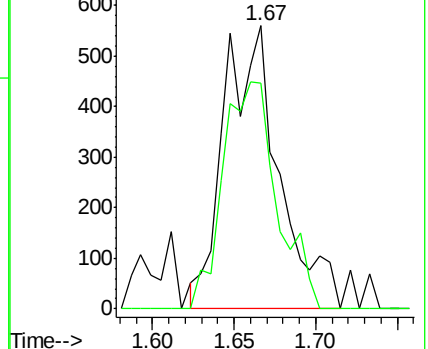
94 100

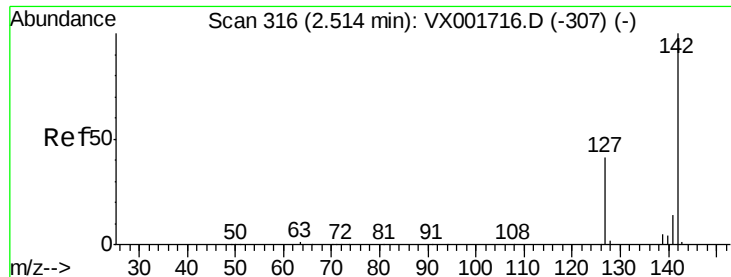
96 79.8 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

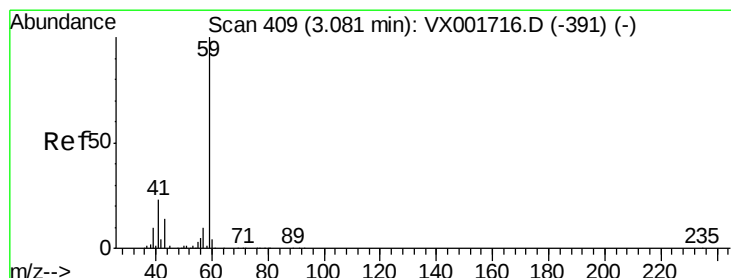
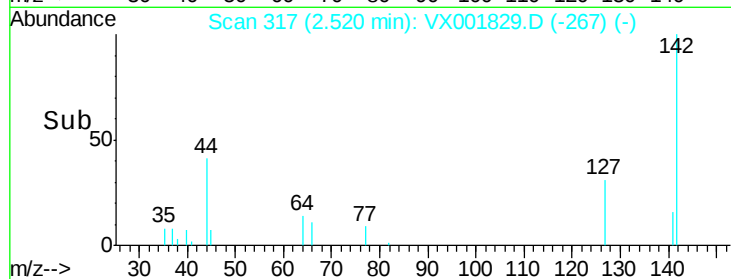
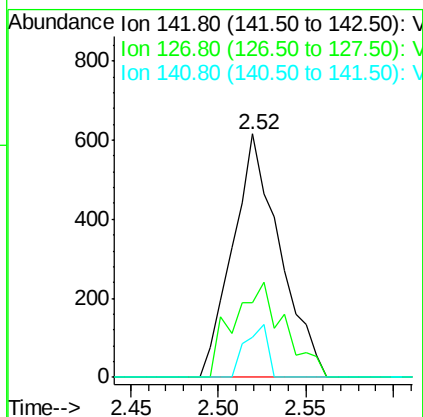
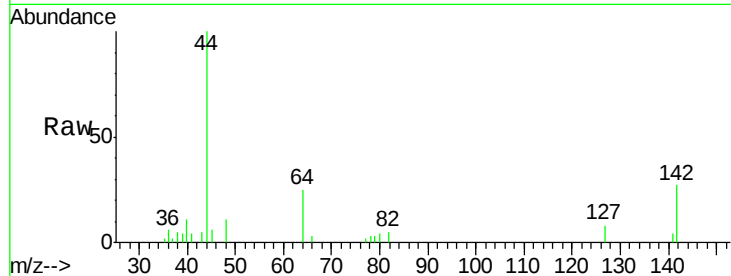




#10
Methyl Iodide
Concen: 0.39 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001829.D
Acq: 18 May 2018 16:41

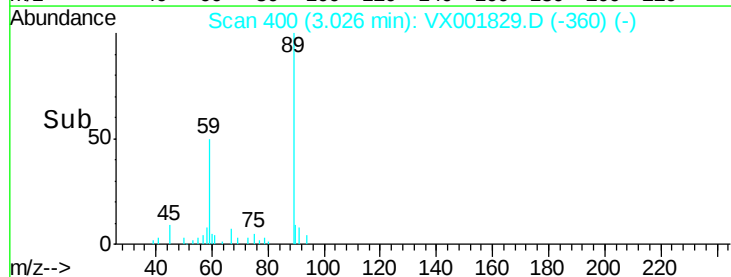
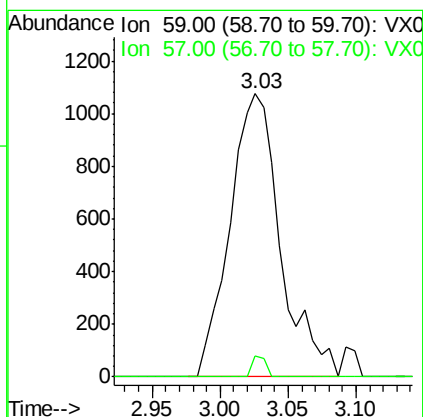
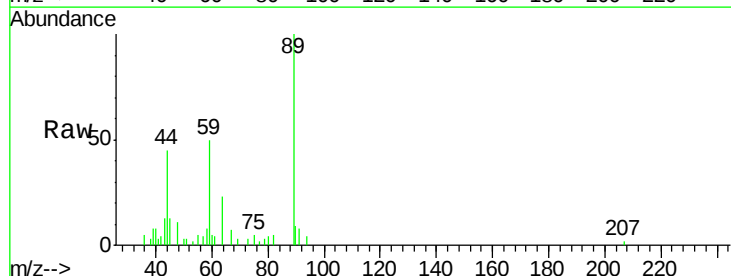
Instrument :
MSVOA_X
ClientSampled :

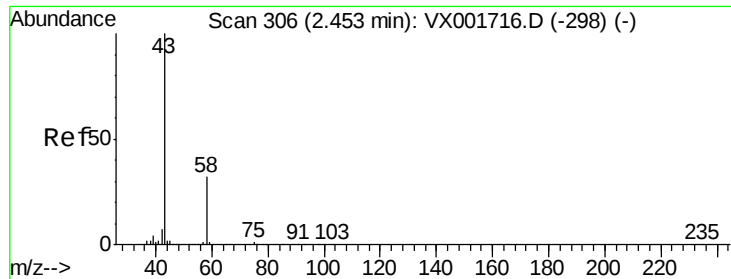
Tot Ion:142 Resp: 1151
Ion Ratio Lower Upper
142 100
127 42.6 32.5 48.7
141 10.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.78 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX001829.D
Acq: 18 May 2018 16:41

Tgt Ion: 59 Resp: 2792
Ion Ratio Lower Upper
59 100
57 2.0 8.5 12.7#





#16

Acetone

Concen: 1.32 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001829.D

Acq: 18 May 2018 16:41

Instrument :

MSVOA_X

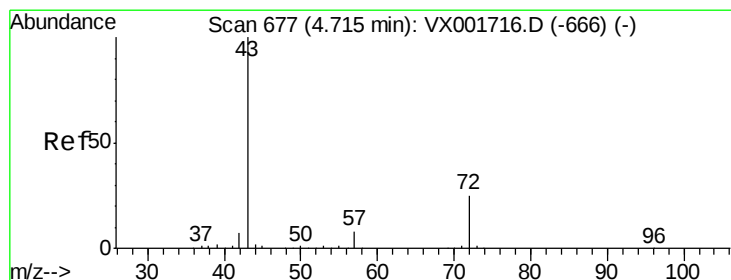
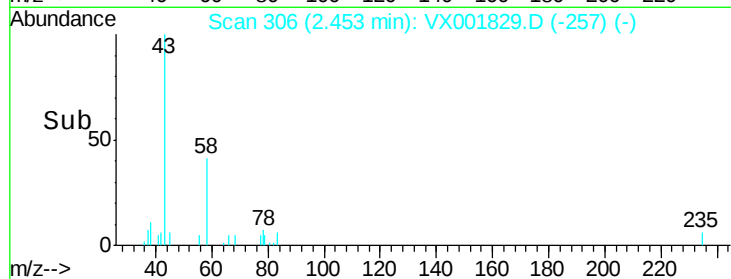
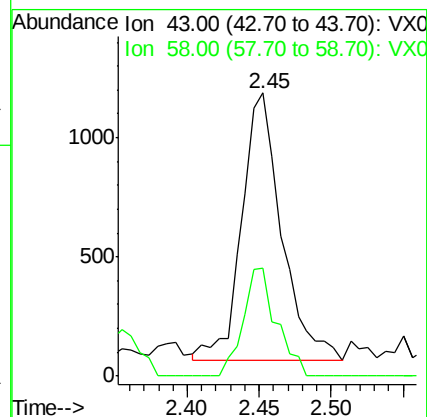
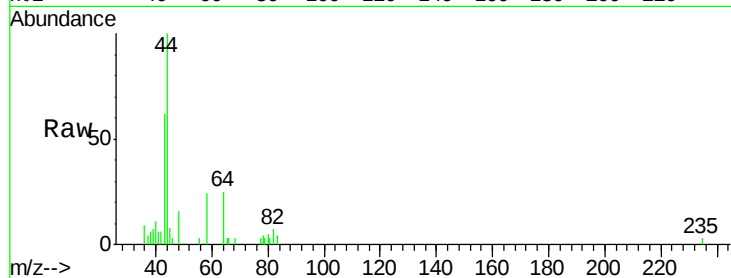
ClientSampleId :

Tot Ion: 43 Resp: 2157

Ion Ratio Lower Upper

43 100

58 40.6 25.3 37.9#



#25

2-Butanone

Concen: 0.61 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001829.D

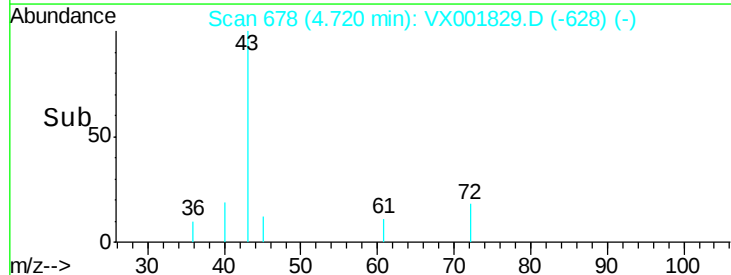
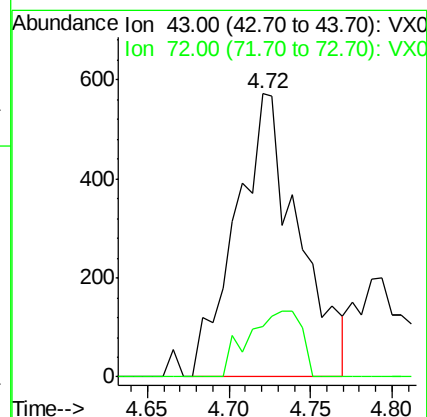
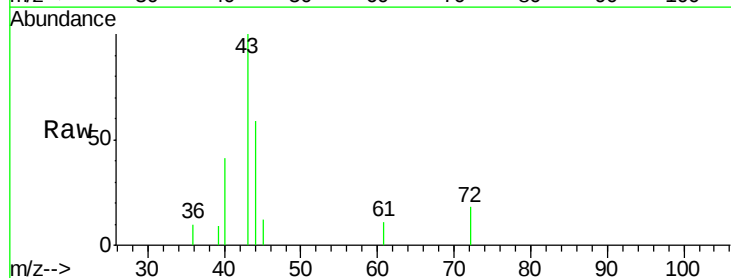
Acq: 18 May 2018 16:41

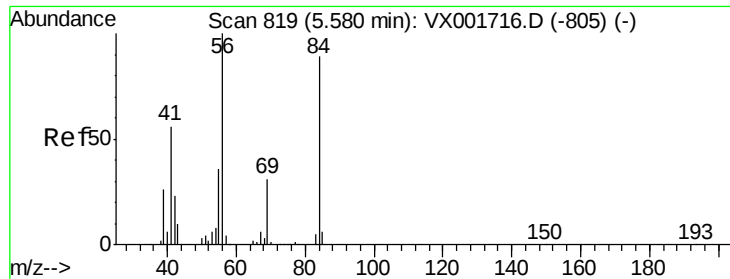
Tgt Ion: 43 Resp: 1527

Ion Ratio Lower Upper

43 100

72 17.7 19.8 29.6#

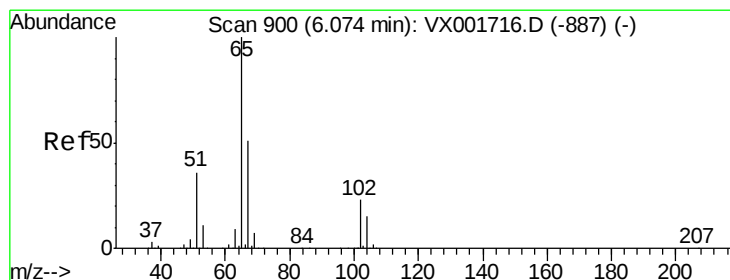
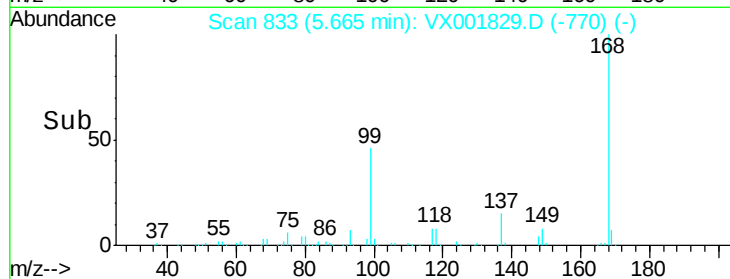
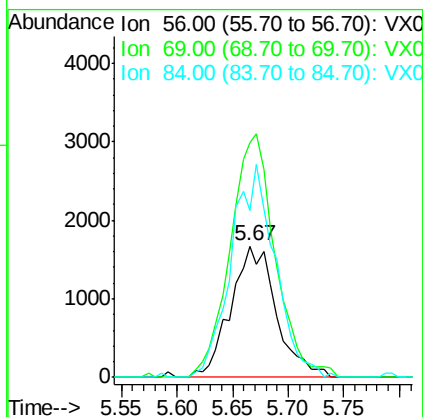
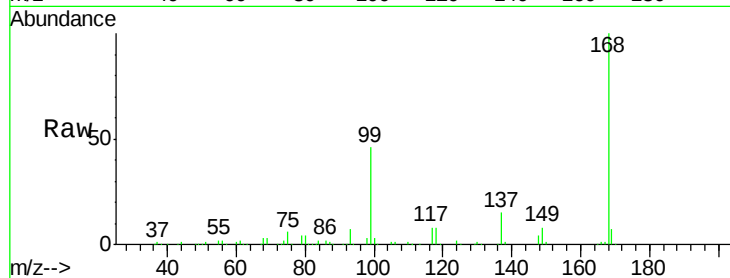




#31
Cyclohexane
Concen: 0.91 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001829.D
Acq: 18 May 2018 16:41

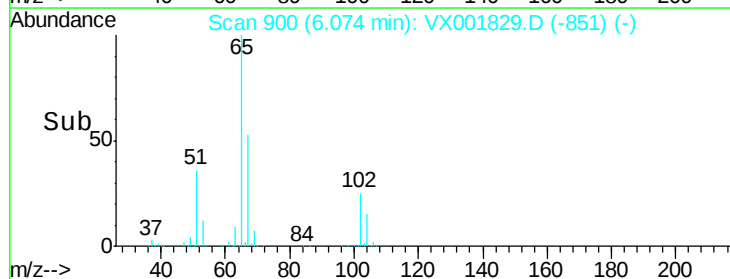
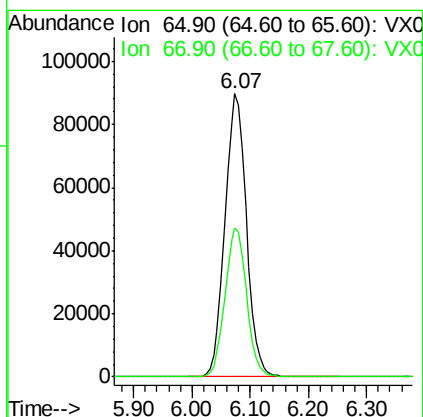
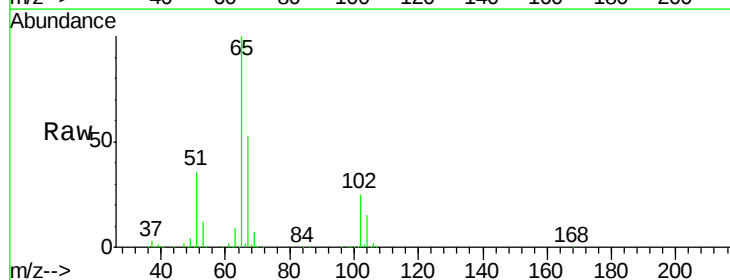
Instrument :
MSVOA_X
ClientSampleId :

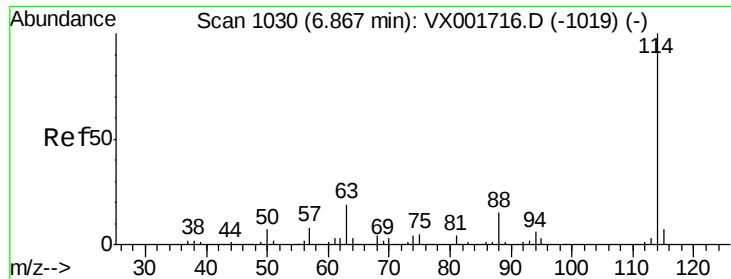
Tot Ion: 56 Resp: 4754
Ion Ratio Lower Upper
56 100
69 177.9 25.0 37.6#
84 126.7 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 55.59 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001829.D
Acq: 18 May 2018 16:41

Tgt Ion: 65 Resp: 231023
Ion Ratio Lower Upper
65 100
67 52.7 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: VX001829.D

Acq: 18 May 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

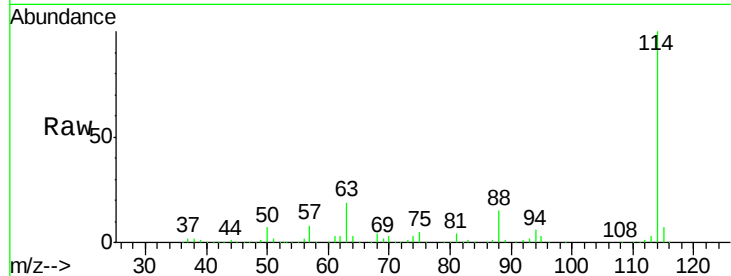
Tot Ion:114 Resp: 439925

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.0

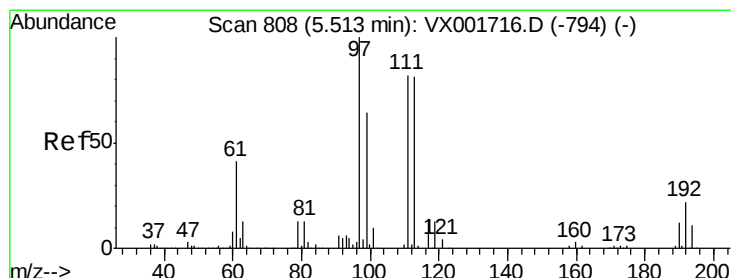
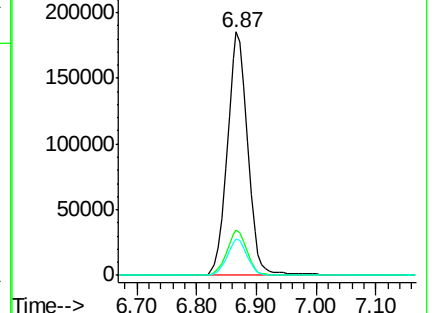
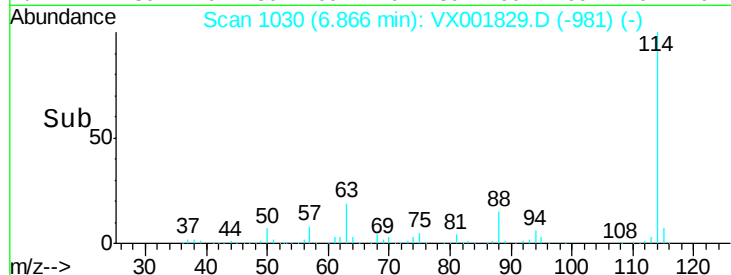
88 14.7 0.0 29.8



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: 52.76 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001829.D

Acq: 18 May 2018 16:41

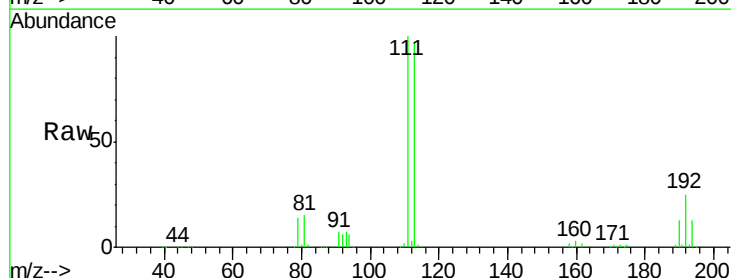
Tgt Ion:113 Resp: 195878

Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

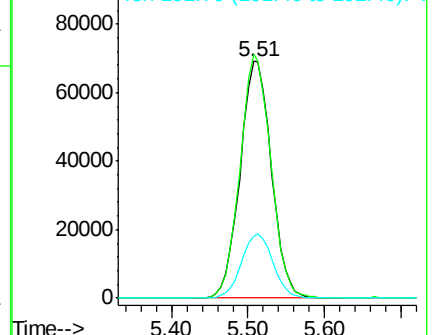
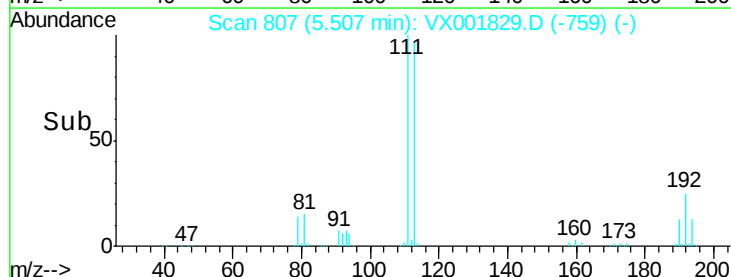
192 27.2 21.6 32.4

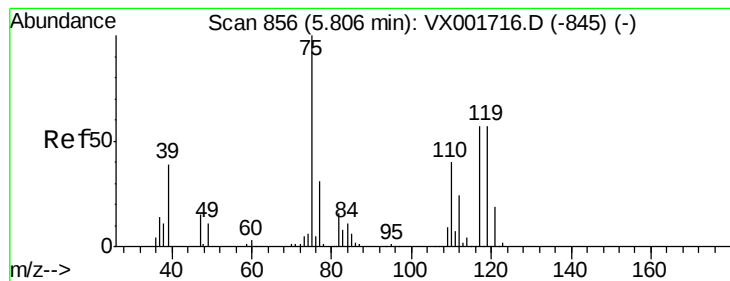


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.46 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001829.D

Acq: 18 May 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

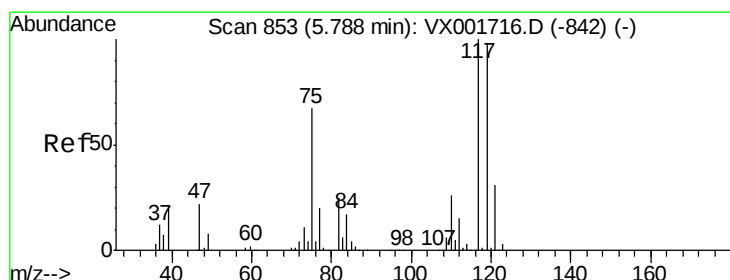
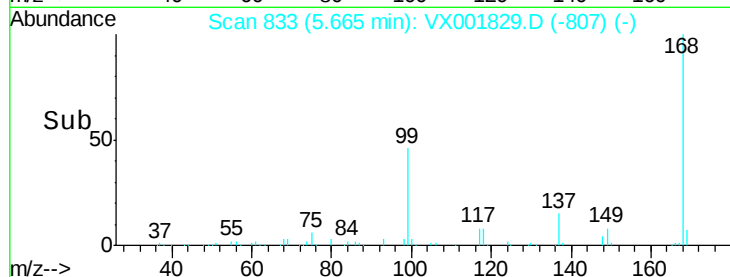
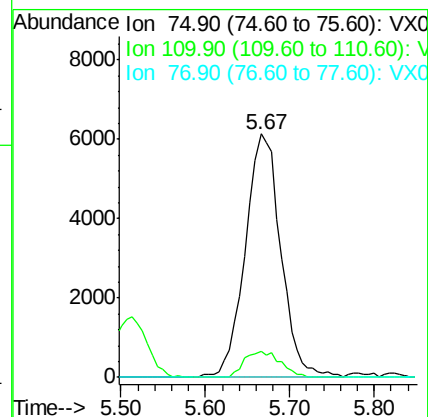
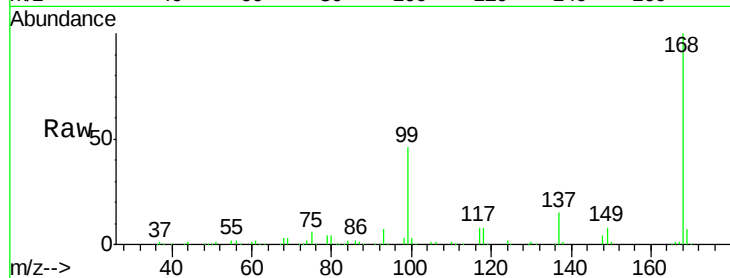
Tot Ion: 75 Resp: 17515

Ion Ratio Lower Upper

75 100

110 10.8 19.1 57.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.72 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001829.D

Acq: 18 May 2018 16:41

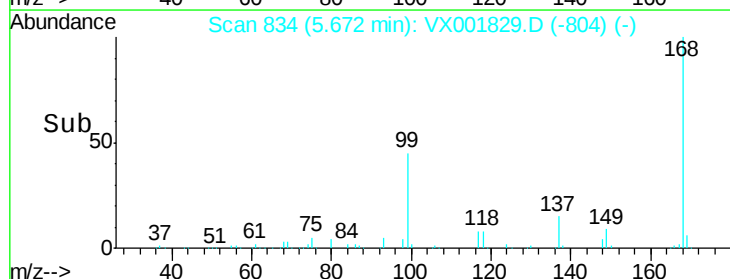
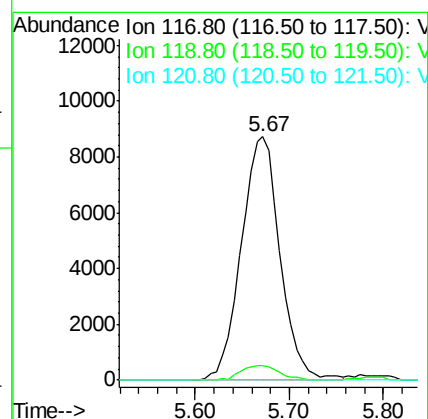
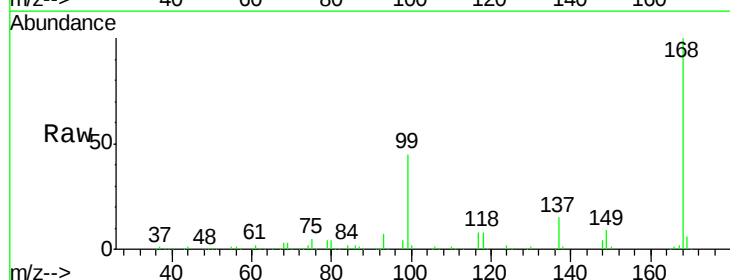
Tgt Ion: 117 Resp: 25027

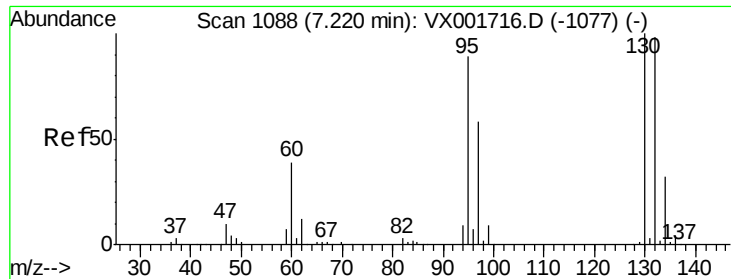
Ion Ratio Lower Upper

117 100

119 5.9 77.6 116.4#

121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 0.39 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001829.D

Acq: 18 May 2018 16:41

Instrument :

MSVOA_X

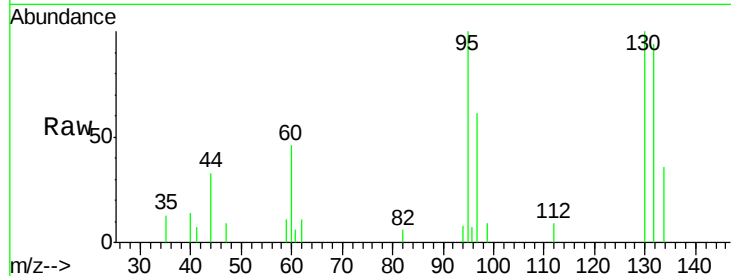
ClientSampled :

Tot Ion:130 Resp: 1786

Ion Ratio Lower Upper

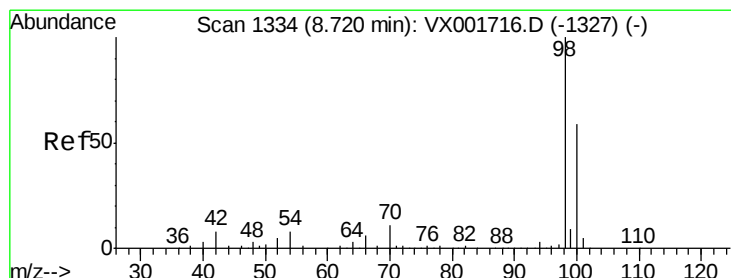
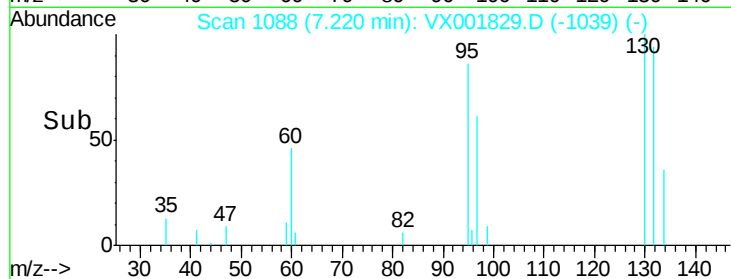
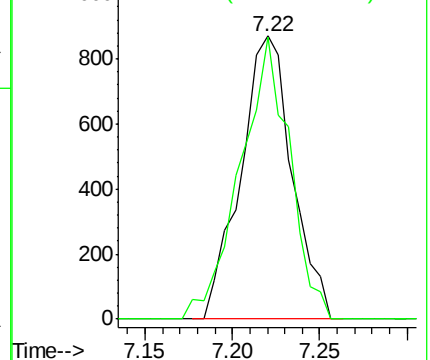
130 100

95 99.7 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 53.01 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001829.D

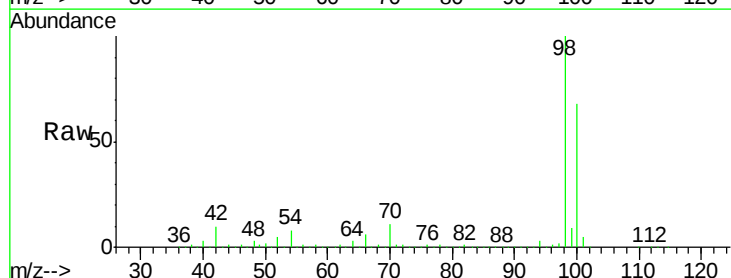
Acq: 18 May 2018 16:41

Tgt Ion: 98 Resp: 704843

Ion Ratio Lower Upper

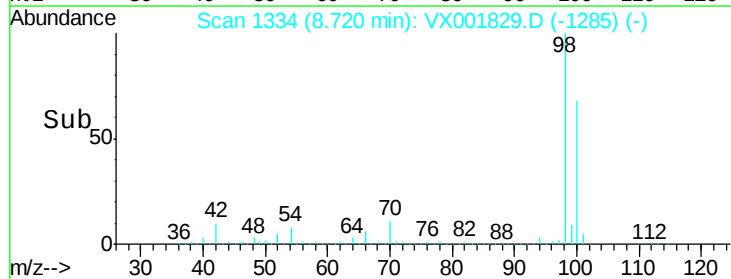
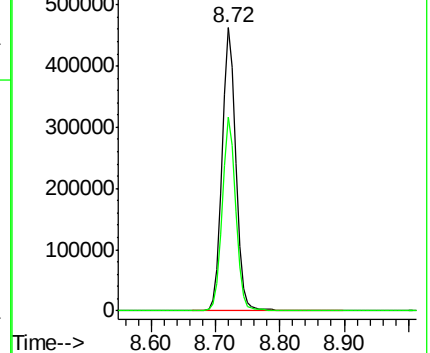
98 100

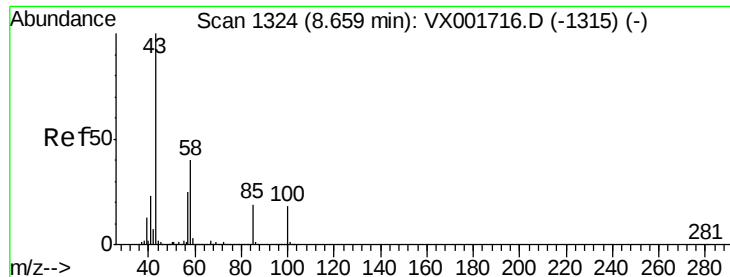
100 67.2 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

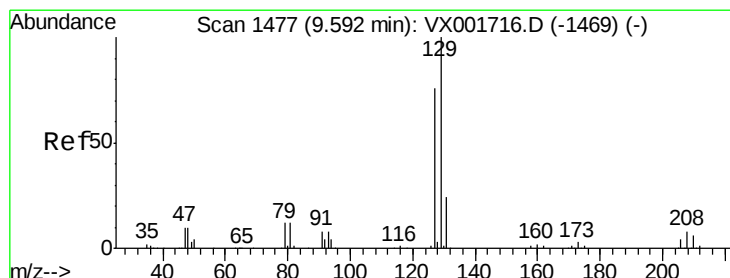
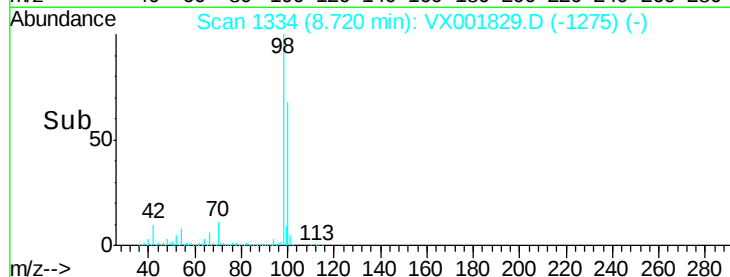
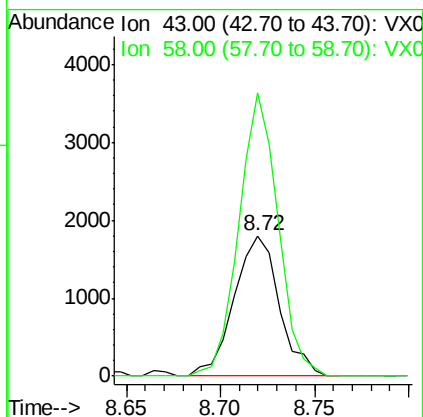
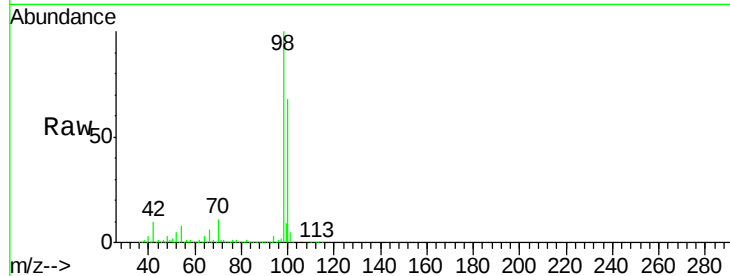




#51
4-Methyl-2-Pentanone
Concen: 0.57 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001829.D
Acq: 18 May 2018 16:41

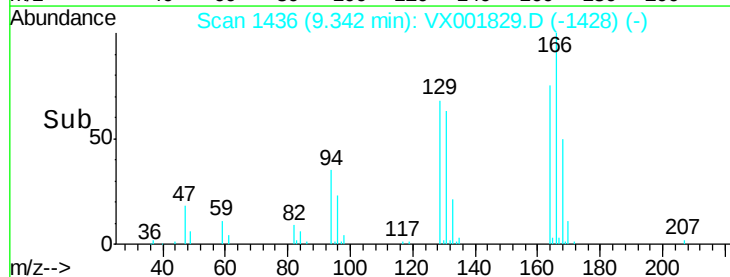
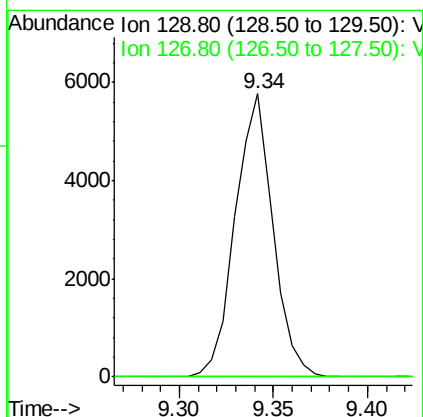
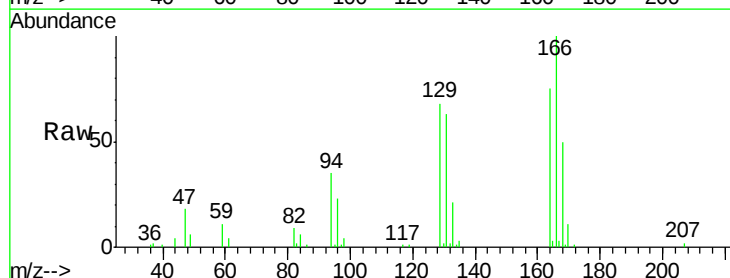
Instrument :
MSVOA_X
ClientSampled :

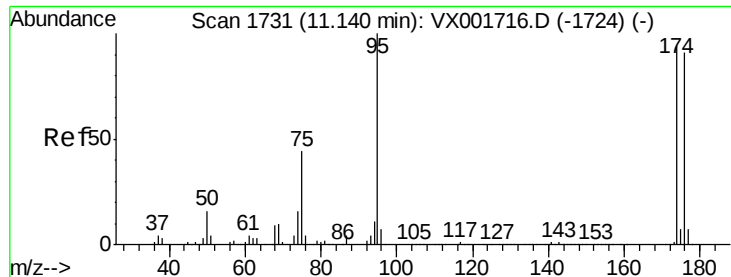
Tot Ion: 43 Resp: 2991
Ion Ratio Lower Upper
43 100
58 174.8 31.4 47.0#



#60
Dibromochloromethane
Concen: 2.13 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.25 min
Lab File: VX001829.D
Acq: 18 May 2018 16:41

Tgt Ion: 129 Resp: 7994
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#

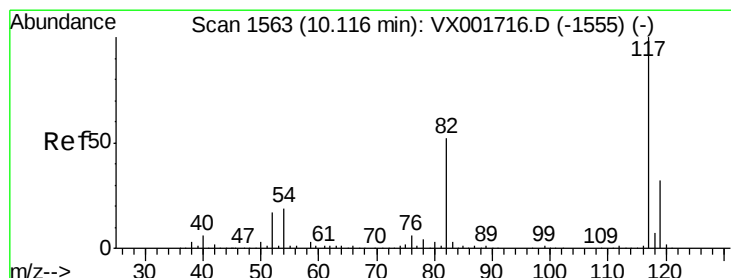
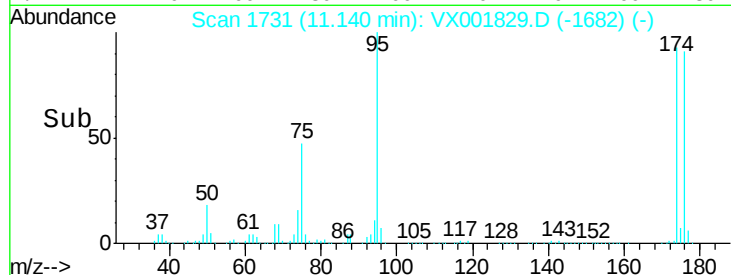
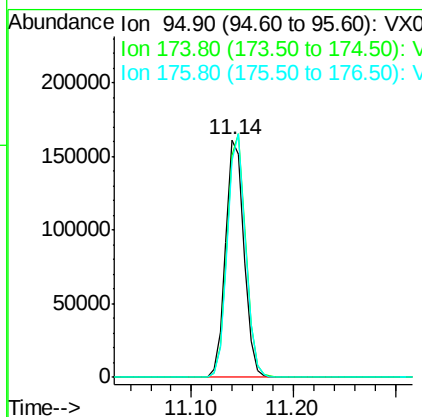
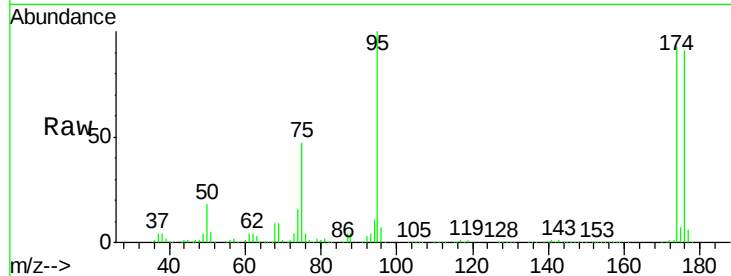




#62
4-Bromofluorobenzene
Concen: 42.34 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001829.D
Acq: 18 May 2018 16:41

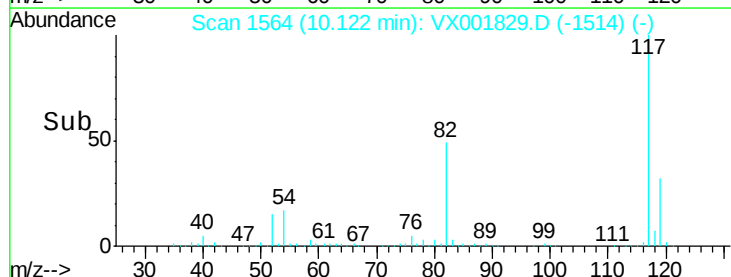
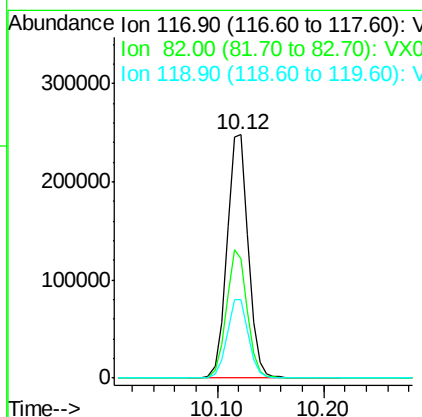
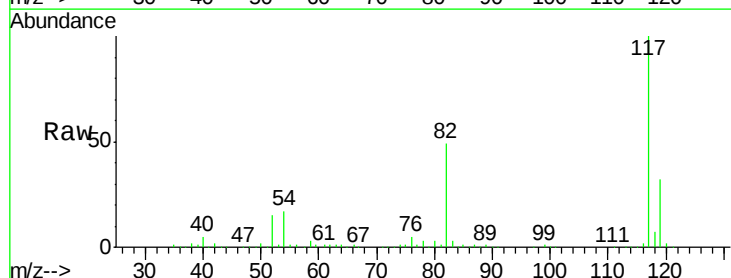
Instrument :
MSVOA_X
ClientSampleId :

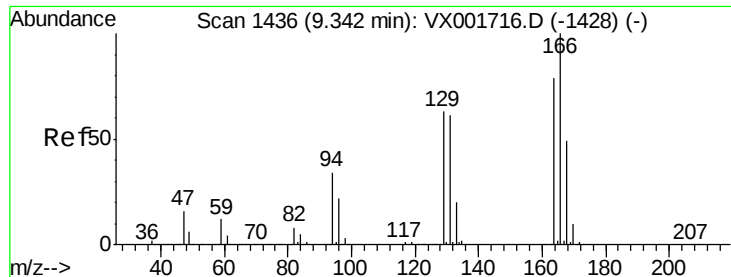
Tot Ion	95	Resp	202725
Ion	Ratio	Lower	Upper
95	100		
174	102.3	0.0	201.8
176	100.2	0.0	196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001829.D
Acq: 18 May 2018 16:41

Tgt Ion	117	Resp	347959
Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.4	62.2
119	32.1	25.6	38.4





#64

Tetrachloroethene

Concen: 2.14 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001829.D

Acq: 18 May 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 9688

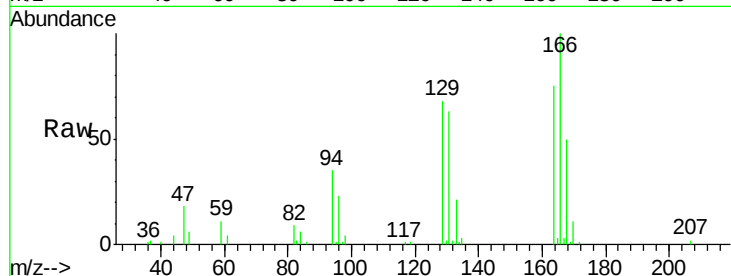
Ion Ratio Lower Upper

164 100

166 133.7 101.8 152.8

129 90.7 63.8 95.6

131 84.0 62.2 93.2

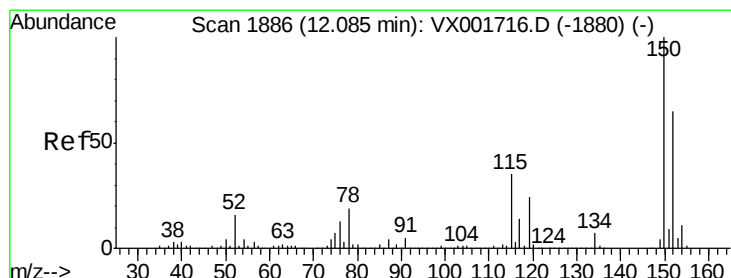
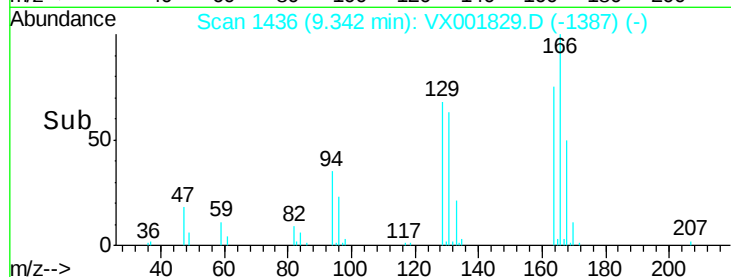
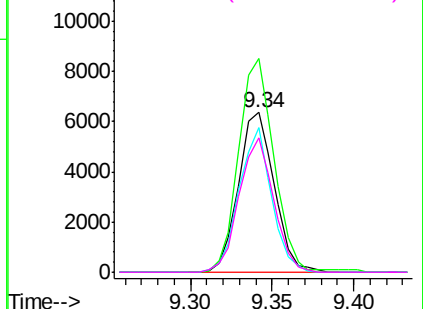


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX001829.D

Acq: 18 May 2018 16:41

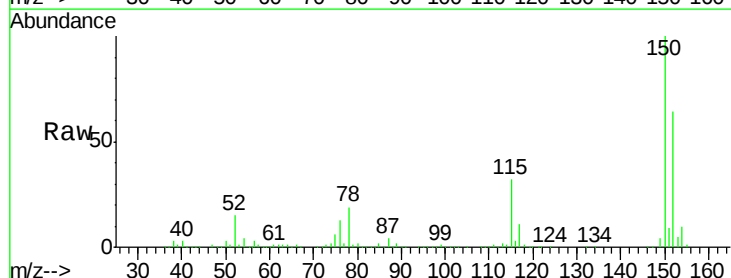
Tgt Ion:152 Resp: 188910

Ion Ratio Lower Upper

152 100

115 51.3 37.4 112.2

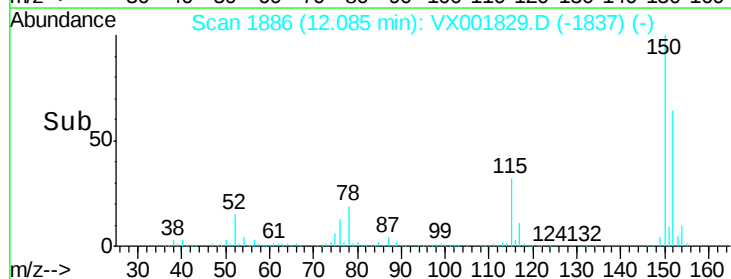
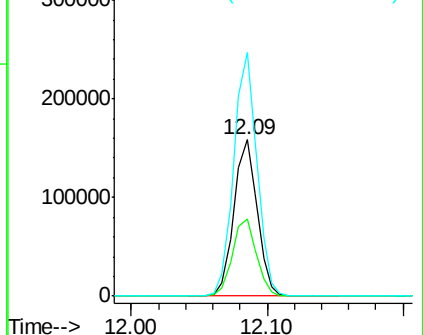
150 155.4 0.0 344.8

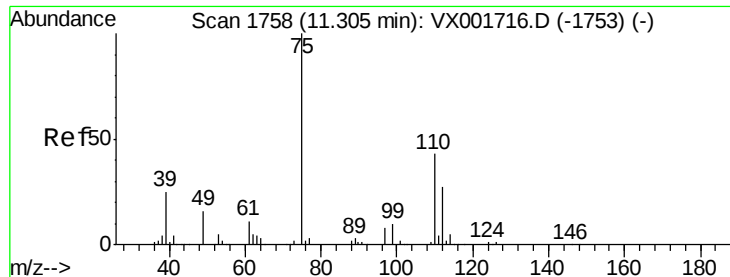


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

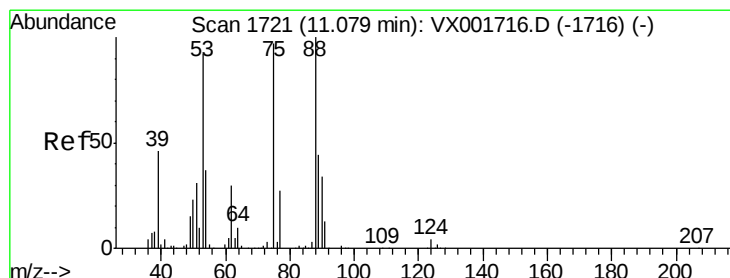
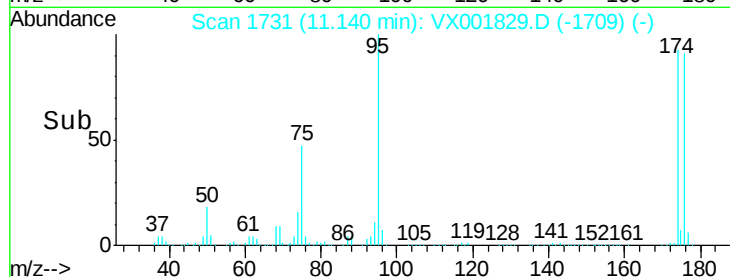
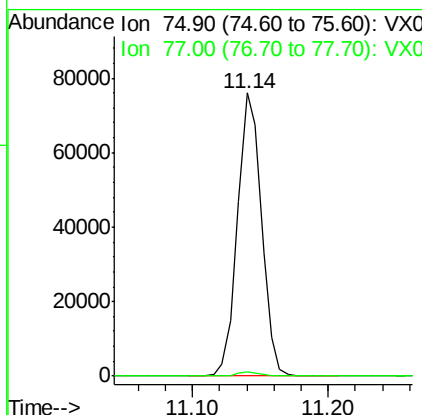
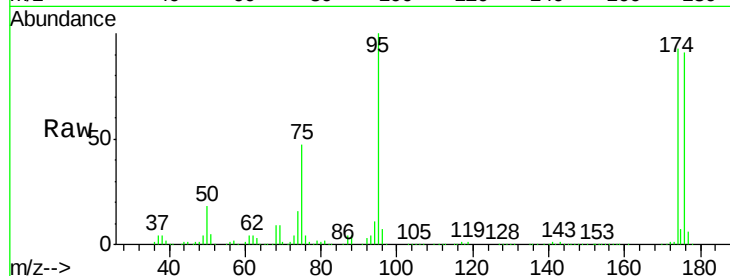




#76
 1,2,3-Trichloropropane
 Concen: 26.04 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001829.D
 Acq: 18 May 2018 16:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 93552
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.78 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001829.D
 Acq: 18 May 2018 16:41

Tgt Ion: 75 Resp: 93552
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.4 119.2#
 89 0.0 38.8 58.2#

