

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003604.D
 Acq On : 23 Jul 2018 15:09
 Operator : JC/SP
 Sample : J4059-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DSN001

Quant Time: Jul 24 01:41:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	379593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	364418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201595	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	163853	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	
35) Dibromofluoromethane	5.51	113	145769	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	8.72	98	548031	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.14	95	187277	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	

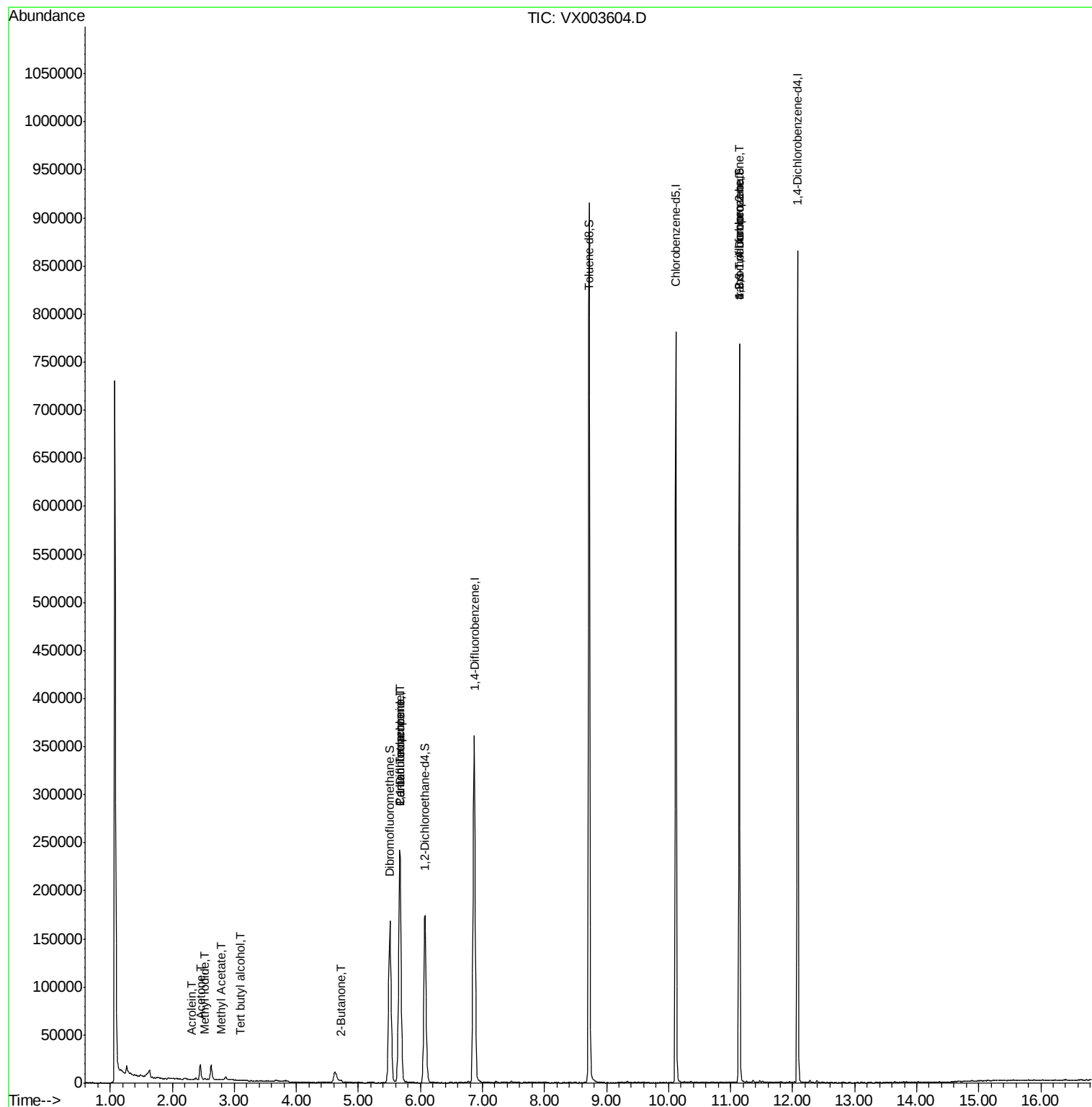
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	259	Below Cal		92
3) Chloromethane	1.32	50	616	Below Cal		97
5) Bromomethane	1.64	94	1263	Below Cal		92
10) Methyl Iodide	2.52	142	784	0.233	ug/l #	87
11) Tert butyl alcohol	3.09	59	486	0.821	ug/l	97
13) Acrolein	2.31	56	98	0.367	ug/l #	1
16) Acetone	2.45	43	16765	14.843	ug/l #	86
18) Methyl Acetate	2.79	43	728	0.204	ug/l	98
20) Methylene Chloride	2.86	84	1310	Below Cal	#	81
25) 2-Butanone	4.72	43	2933	1.548	ug/l	100
36) 1,1-Dichloropropene	5.67	75	15900	3.880	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22033	5.481	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	87858	24.259	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	87858	68.005	ug/l #	7

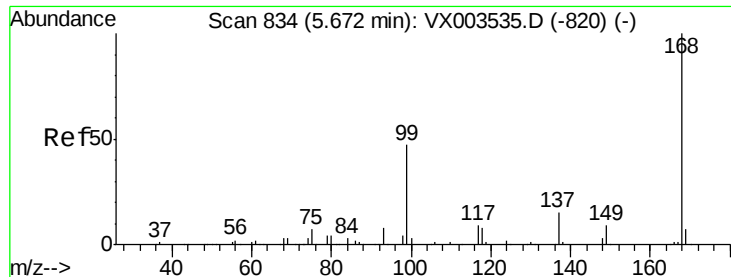
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003604.D

Acq: 23 Jul 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

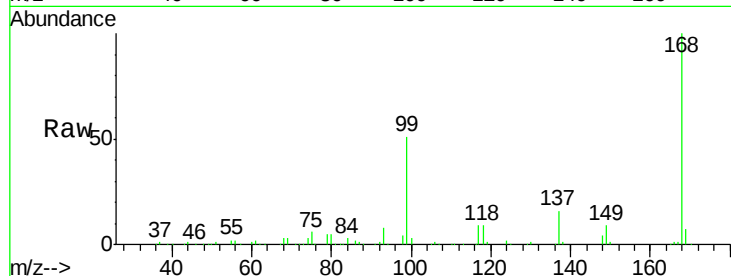
DSN001

Tgt Ion:168 Resp: 252603

Ion Ratio Lower Upper

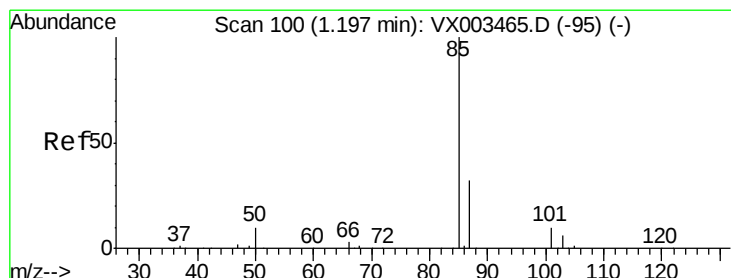
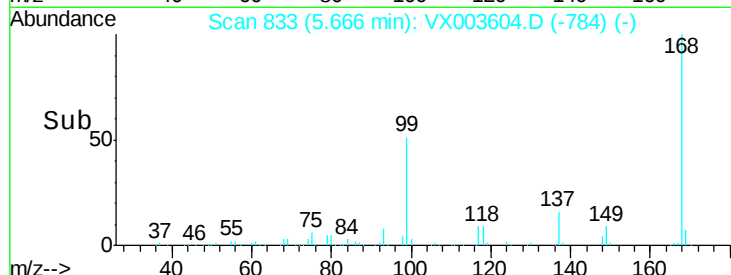
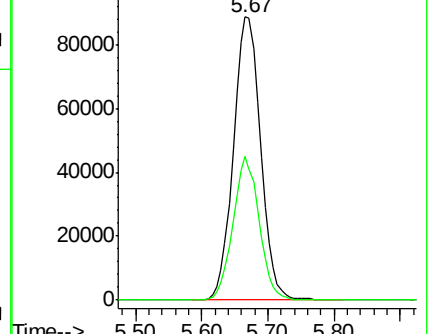
168 100

99 50.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003604.D

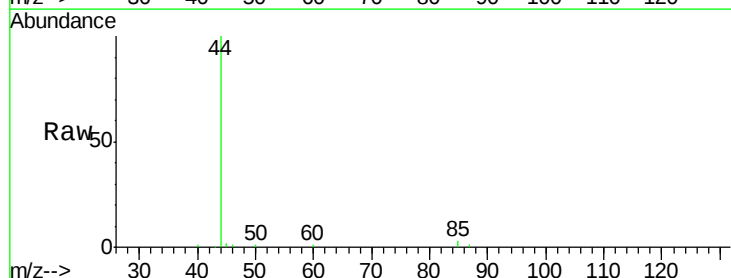
Acq: 23 Jul 2018 15:09

Tgt Ion: 85 Resp: 259

Ion Ratio Lower Upper

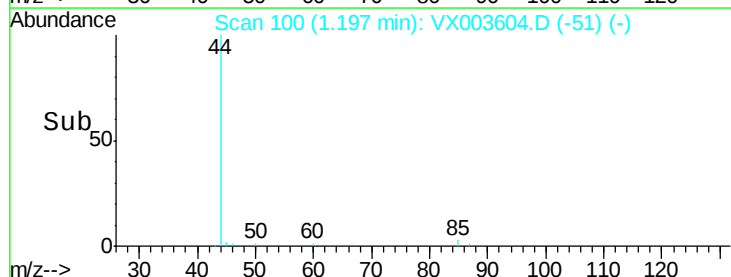
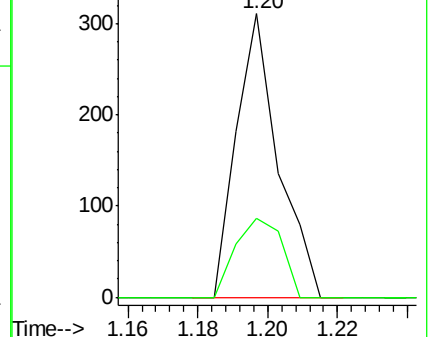
85 100

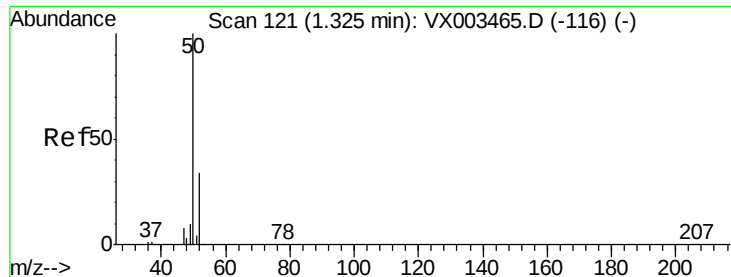
87 27.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003604.D

Acq: 23 Jul 2018 15:09

Instrument :

MSVOA_X

ClientSampled :

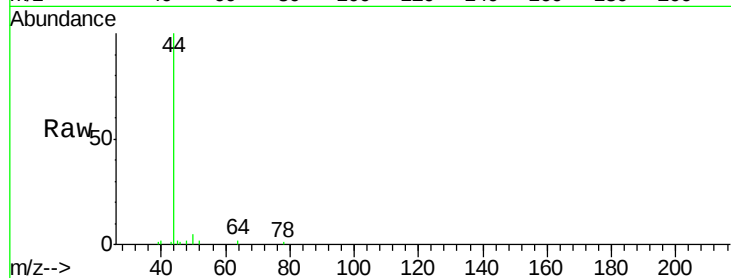
DSN001

Tgt Ion: 50 Resp: 616

Ion Ratio Lower Upper

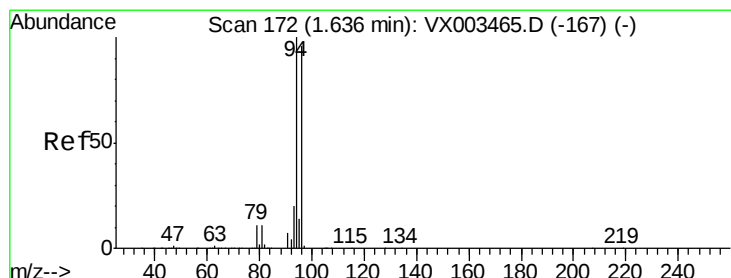
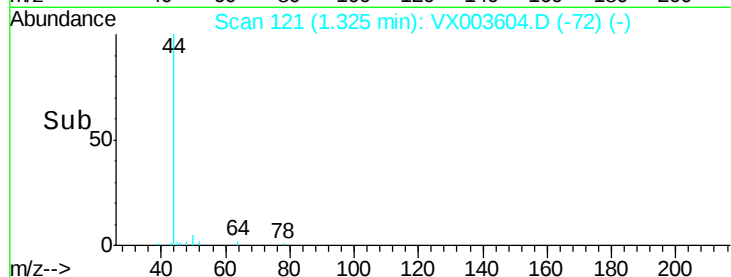
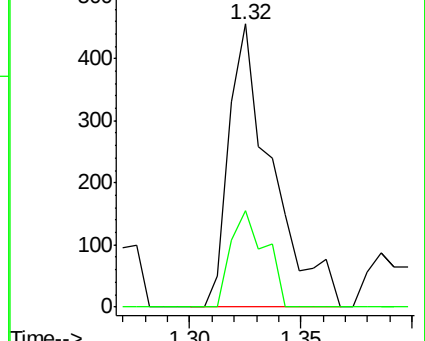
50 100

52 34.0 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: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003604.D

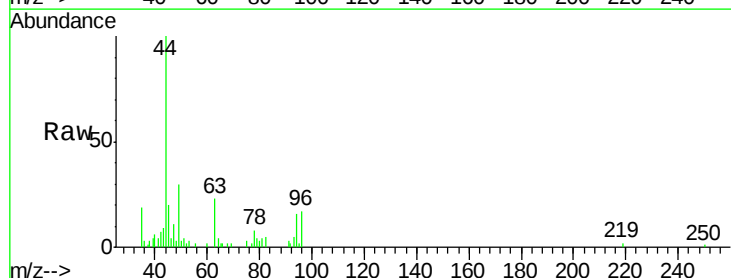
Acq: 23 Jul 2018 15:09

Tgt Ion: 94 Resp: 1263

Ion Ratio Lower Upper

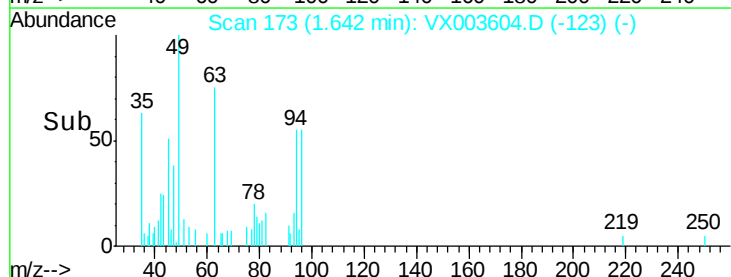
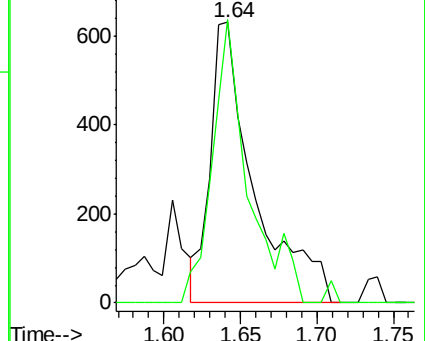
94 100

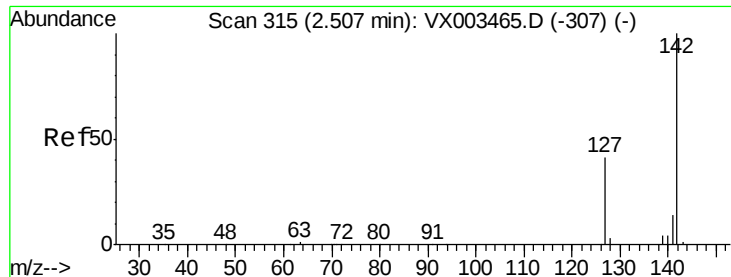
96 101.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

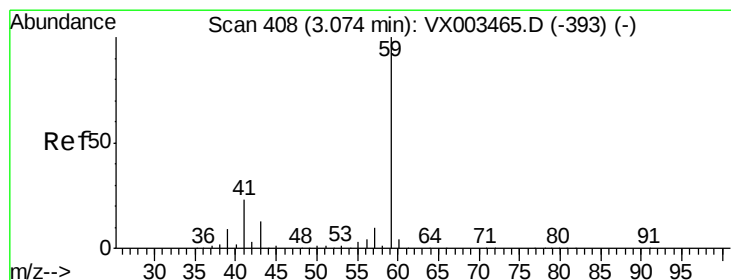
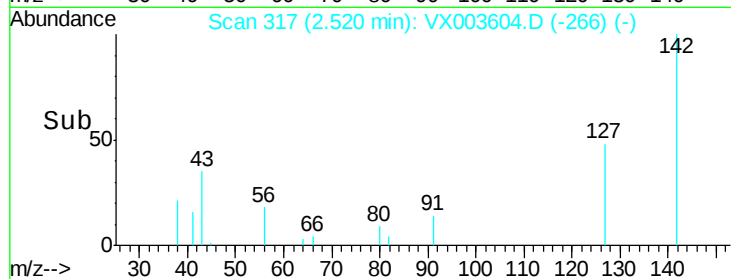
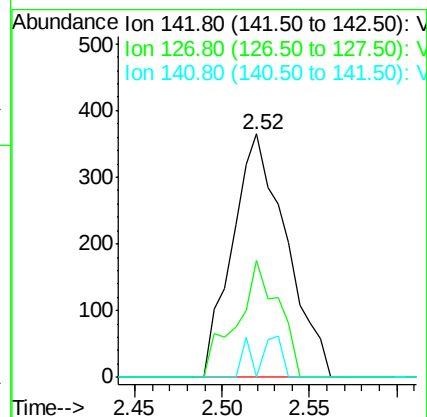
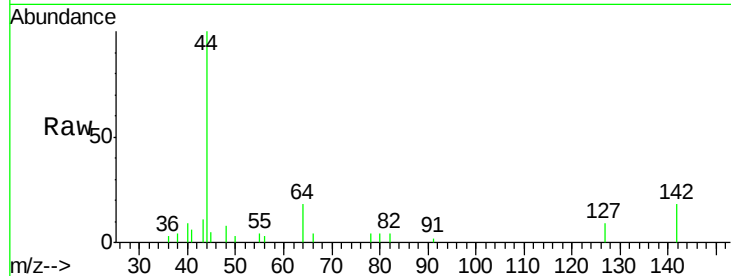




#10
Methyl Iodide
Concen: 0.233 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003604.D
Acq: 23 Jul 2018 15:09

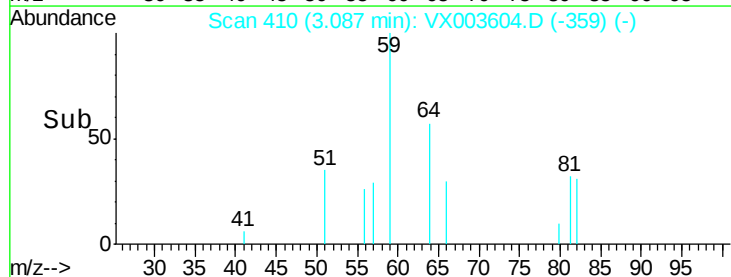
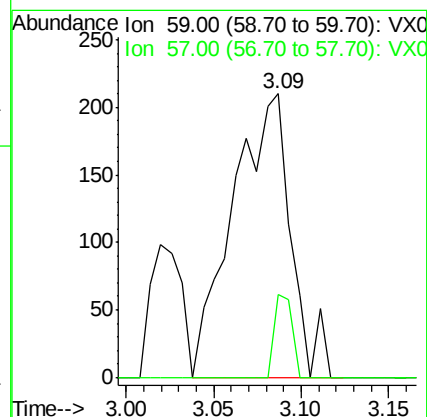
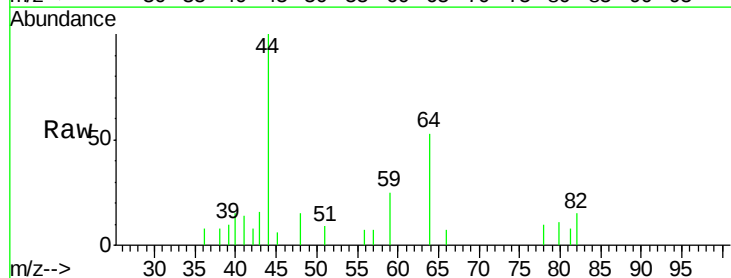
Instrument :
MSVOA_X
ClientSampleId :
DSN001

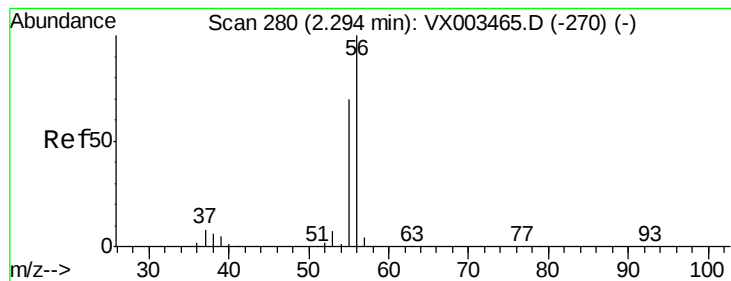
Tgt Ion: 142 Resp: 784
Ion Ratio Lower Upper
142 100
127 37.1 36.6 55.0
141 8.3 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.821 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003604.D
Acq: 23 Jul 2018 15:09

Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 9.1 8.2 12.2





#13

Acrolein

Concen: 0.367 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX003604.D

Acq: 23 Jul 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

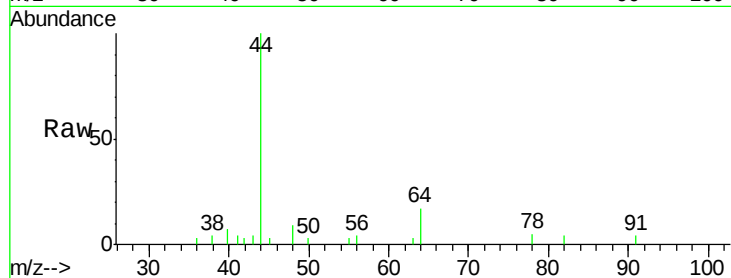
DSN001

Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

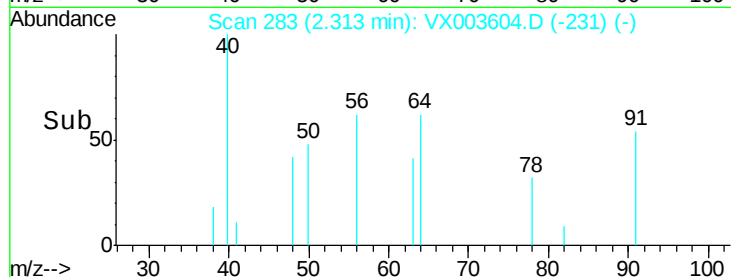
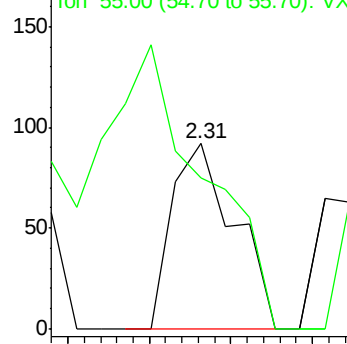
56 100

55 289.8 57.0 85.4#

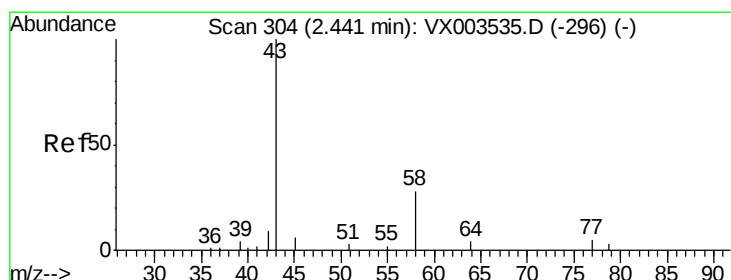


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 14.843 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003604.D

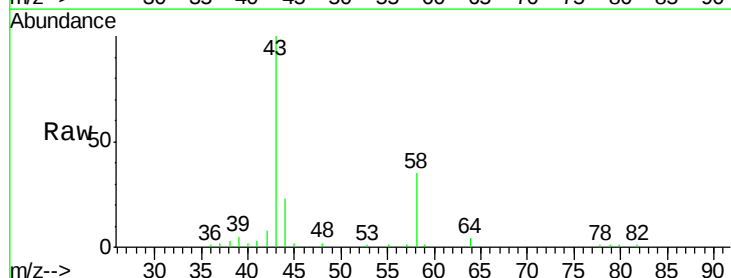
Acq: 23 Jul 2018 15:09

Tgt Ion: 43 Resp: 16765

Ion Ratio Lower Upper

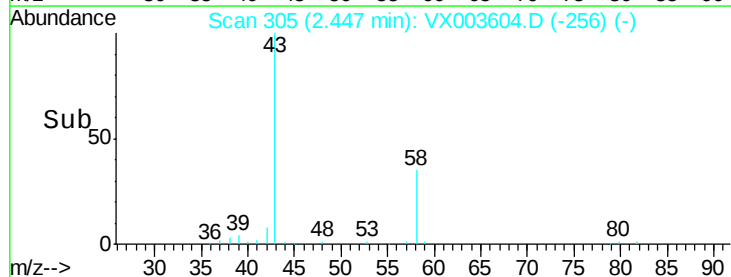
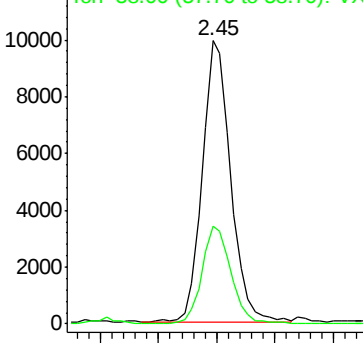
43 100

58 34.9 22.1 33.1#

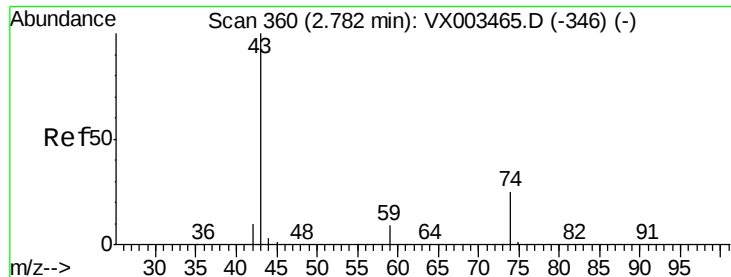


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



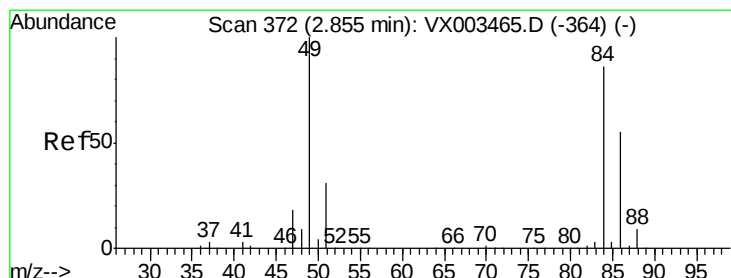
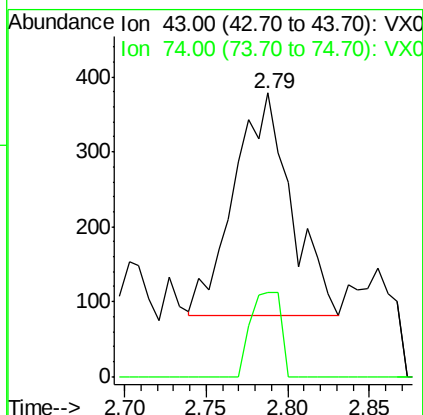
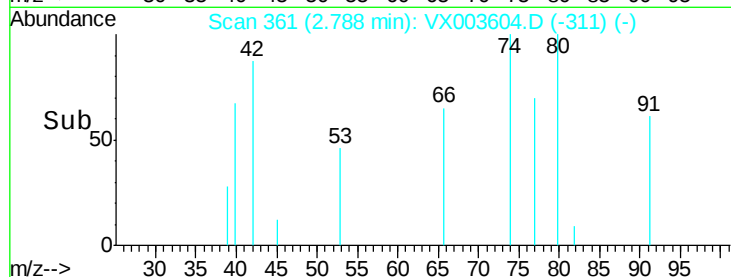
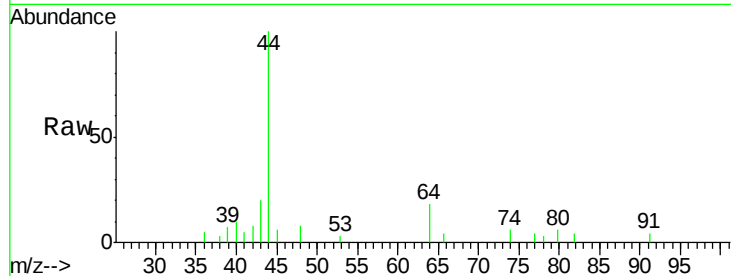
Time-->



#18
Methyl Acetate
Concen: 0.204 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX003604.D
Acq: 23 Jul 2018 15:09

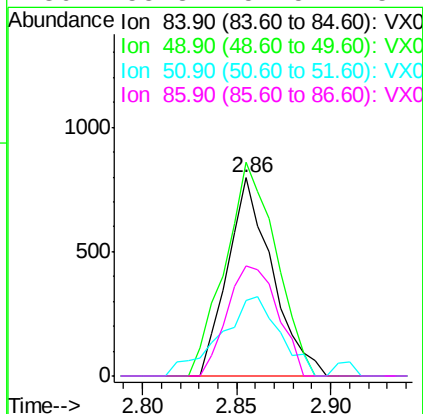
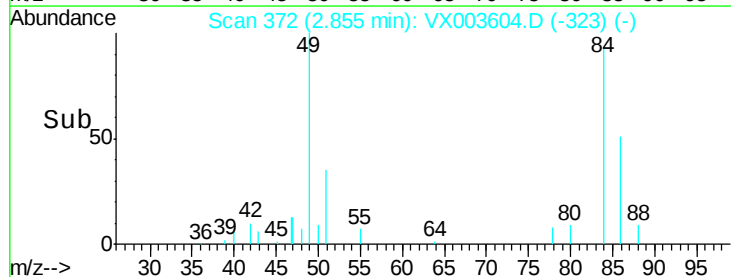
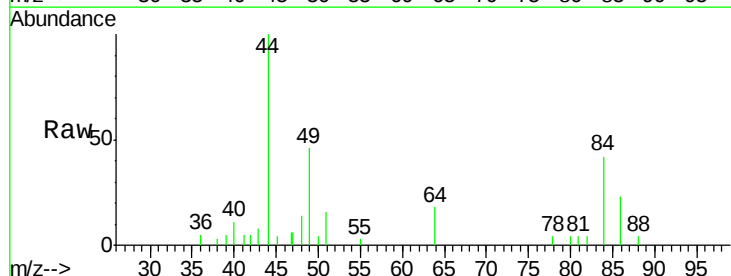
Instrument :
MSVOA_X
ClientSampleId :
DSN001

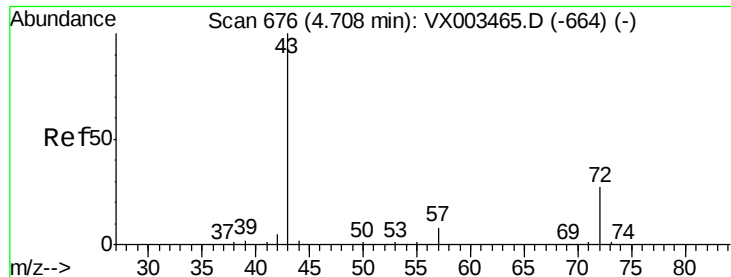
Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
74 20.2 16.7 25.1



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003604.D
Acq: 23 Jul 2018 15:09

Tgt Ion: 84 Resp: 1310
Ion Ratio Lower Upper
84 100
49 107.8 107.8 161.6
51 31.6 32.8 49.2#
86 55.3 52.5 78.7





#25

2-Butanone

Concen: 1.548 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003604.D

Acq: 23 Jul 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

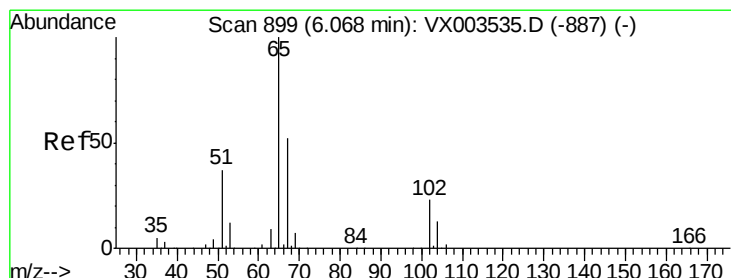
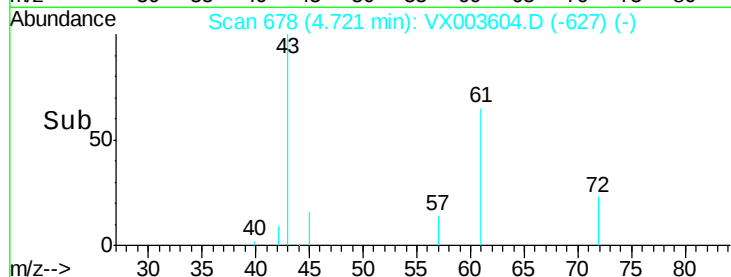
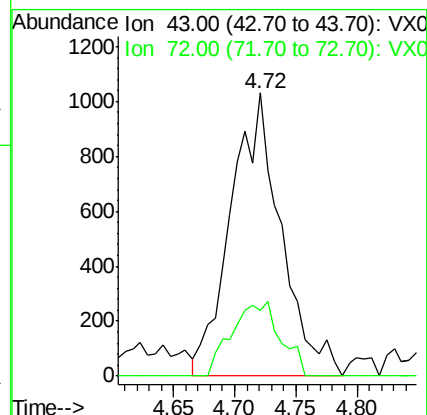
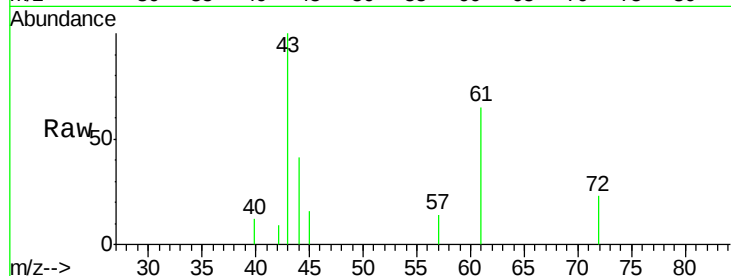
DSN001

Tgt Ion: 43 Resp: 2933

Ion Ratio Lower Upper

43 100

72 23.2 18.5 27.7



#33

1,2-Dichloroethane-d4

Concen: 54.798 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003604.D

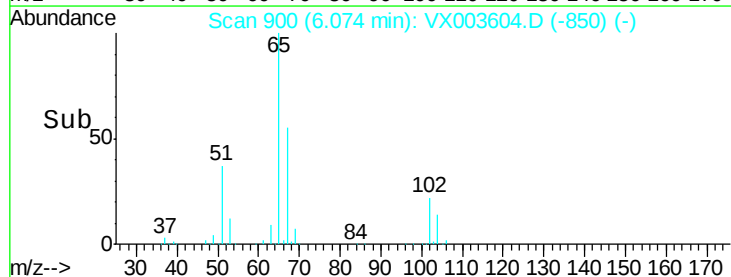
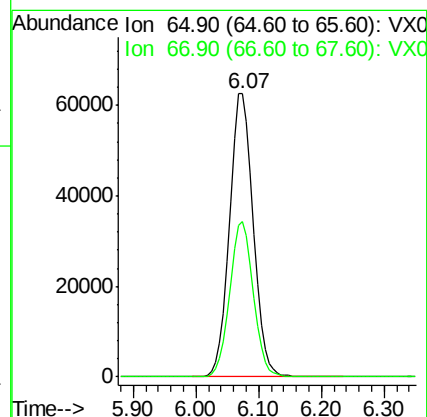
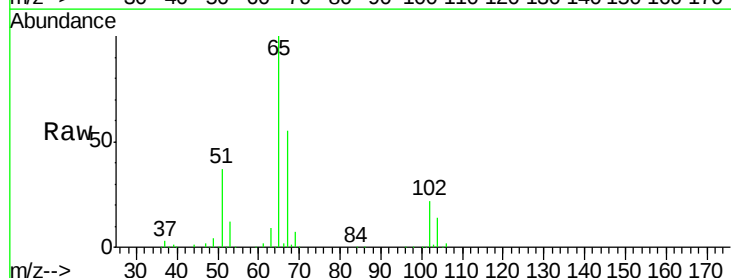
Acq: 23 Jul 2018 15:09

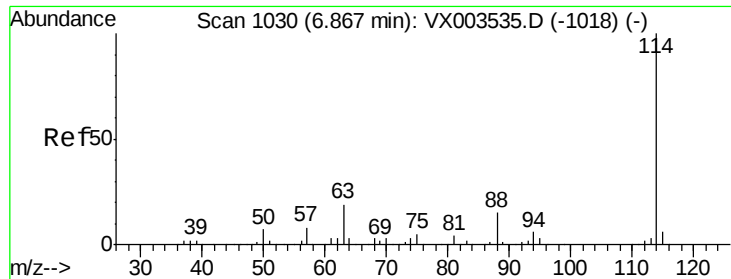
Tgt Ion: 65 Resp: 163853

Ion Ratio Lower Upper

65 100

67 54.3 0.0 102.6

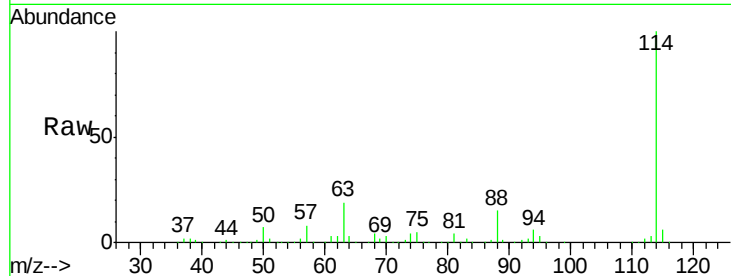




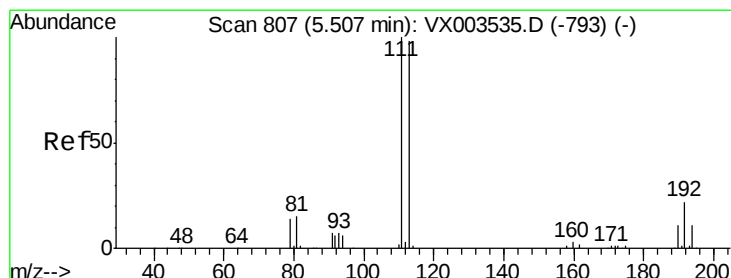
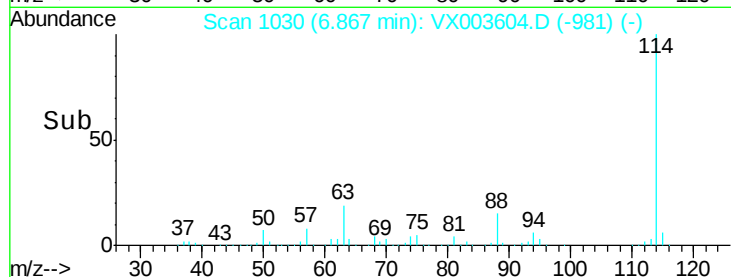
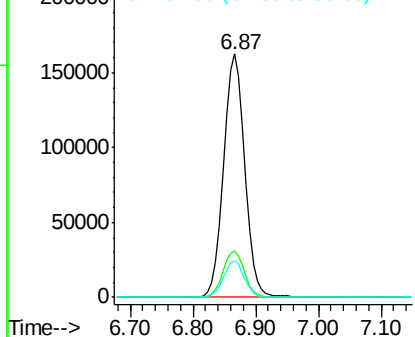
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003604.D
 Acq: 23 Jul 2018 15:09

Instrument :
 MSVOA_X
 ClientSampleId :
 DSN001

Tgt Ion:114 Resp: 379593
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 41.4
 88 14.8 0.0 30.0

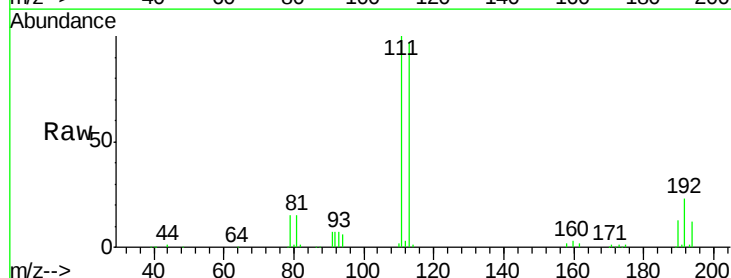


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

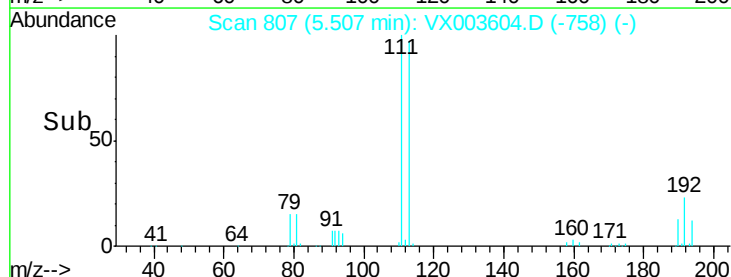
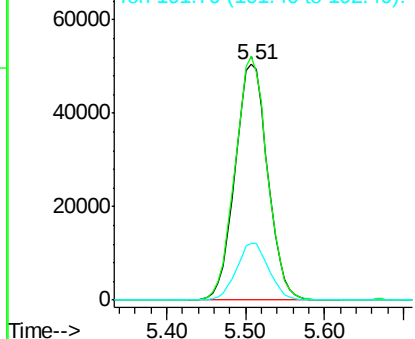


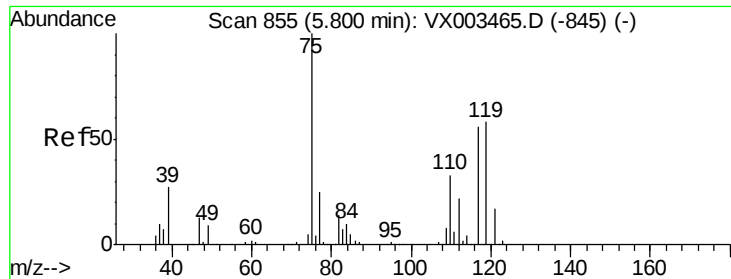
#35
 Dibromofluoromethane
 Concen: 50.417 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003604.D
 Acq: 23 Jul 2018 15:09

Tgt Ion:113 Resp: 145769
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.4 122.0
 192 23.9 19.1 28.7



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

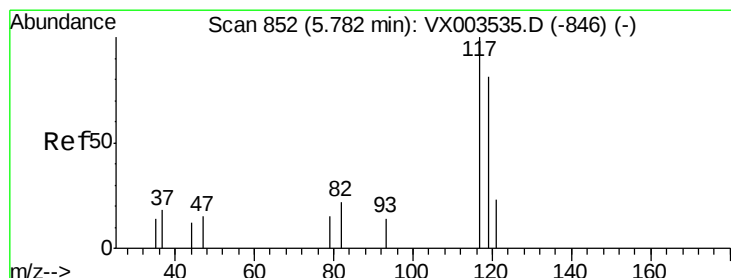
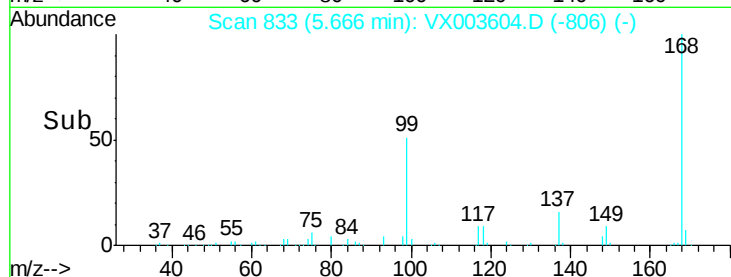
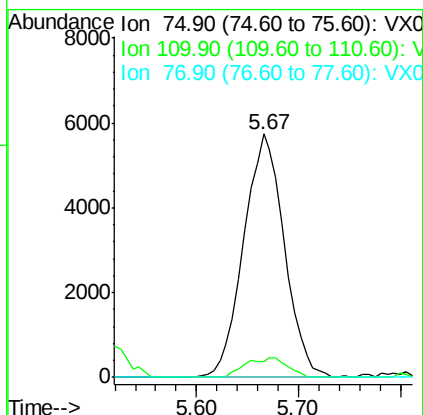
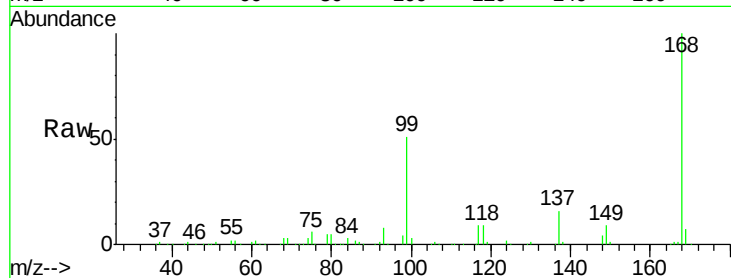




#36
 1,1-Dichloropropene
 Concen: 3.880 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003604.D
 Acq: 23 Jul 2018 15:09

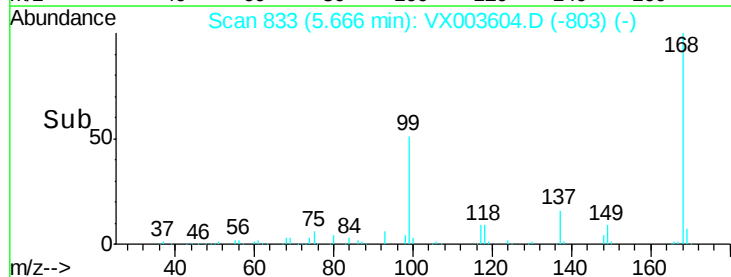
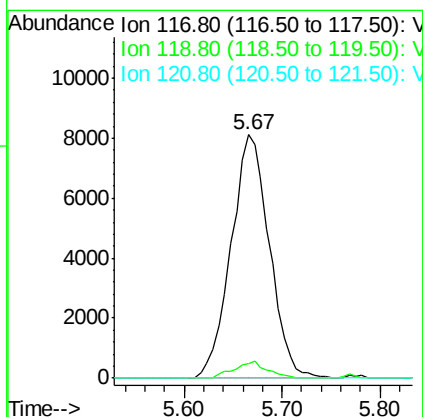
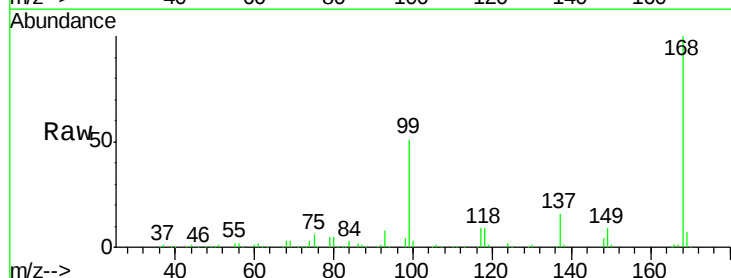
Instrument :
 MSVOA_X
 ClientSampleId :
 DSN001

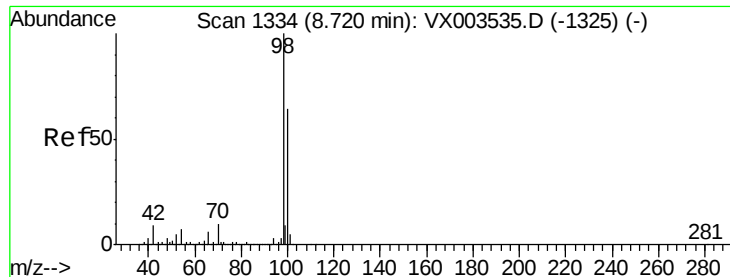
Tgt Ion: 75 Resp: 15900
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.481 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003604.D
 Acq: 23 Jul 2018 15:09

Tgt Ion: 117 Resp: 22033
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.4 116.0#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 50.430 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003604.D

Acq: 23 Jul 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

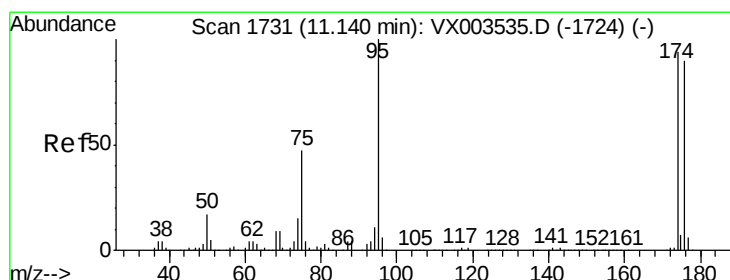
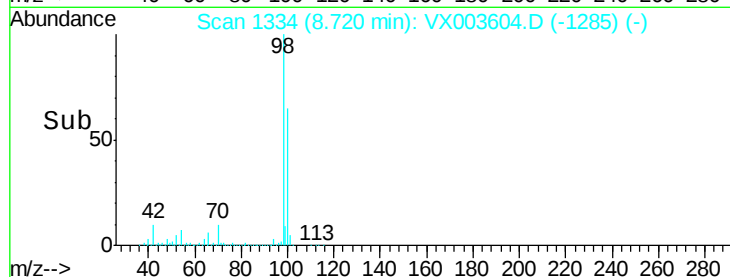
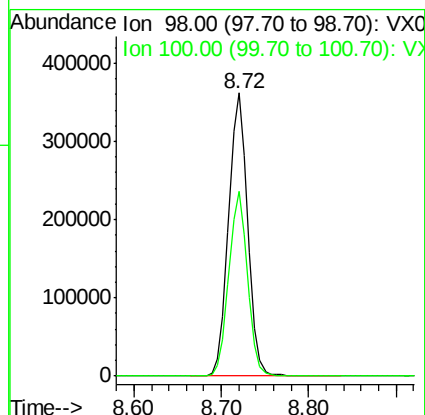
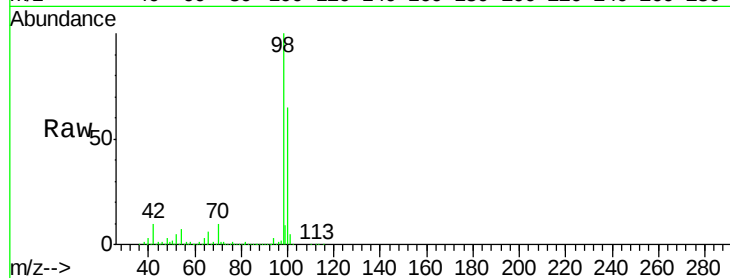
DSN001

Tgt Ion: 98 Resp: 548031

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 47.223 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003604.D

Acq: 23 Jul 2018 15:09

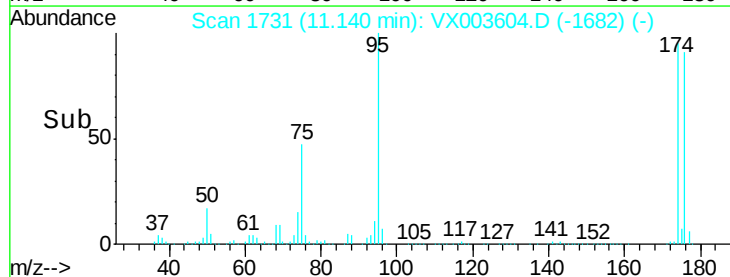
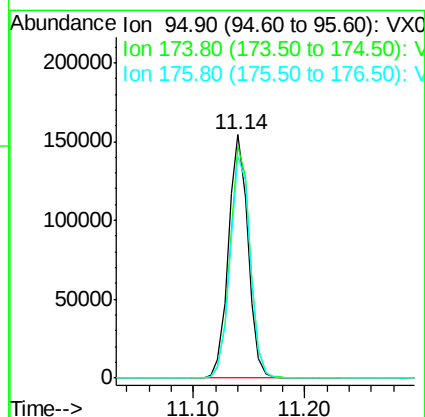
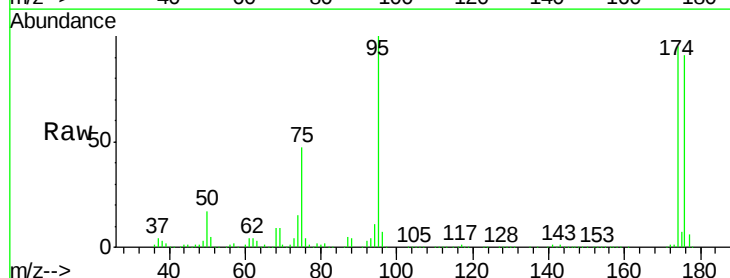
Tgt Ion: 95 Resp: 187277

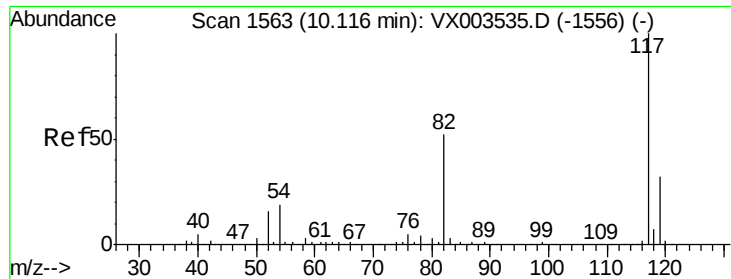
Ion Ratio Lower Upper

95 100

174 97.5 0.0 187.4

176 93.7 0.0 181.0

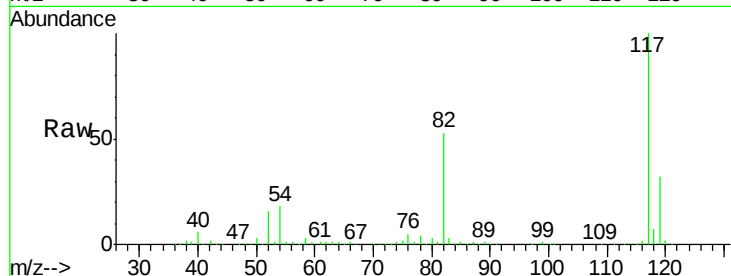




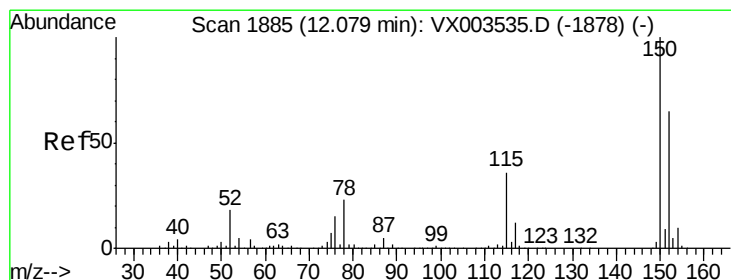
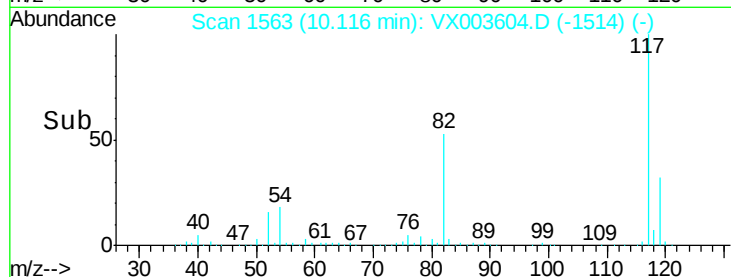
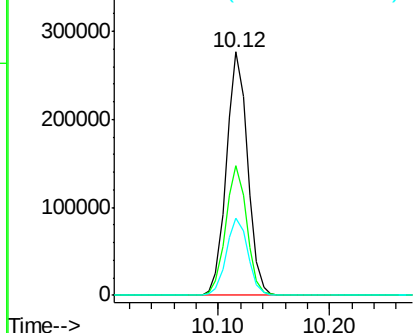
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003604.D
Acq: 23 Jul 2018 15:09

Instrument :
MSVOA_X
ClientSampleId :
DSN001

Tgt Ion:117 Resp: 364418
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 31.8 25.8 38.6

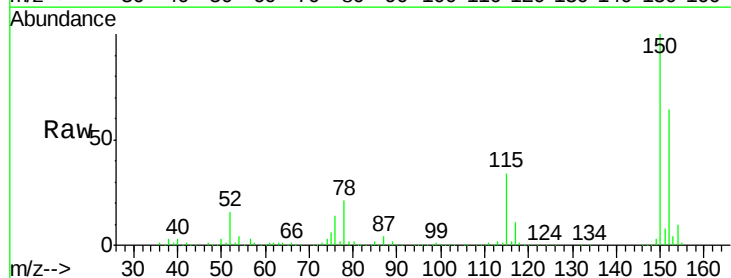


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

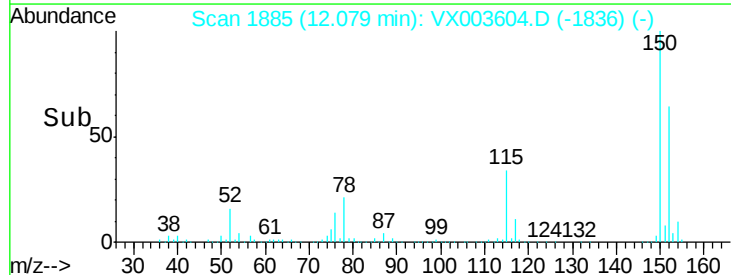
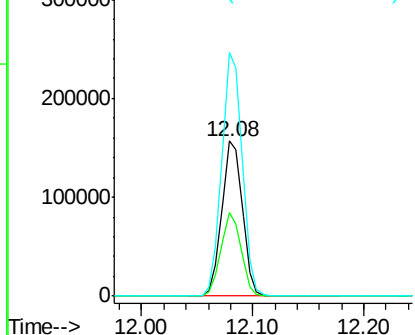


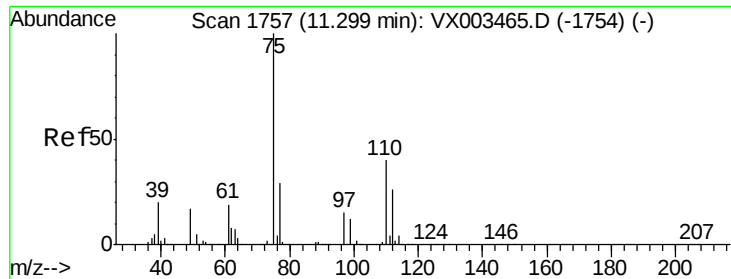
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003604.D
Acq: 23 Jul 2018 15:09

Tgt Ion:152 Resp: 201595
Ion Ratio Lower Upper
152 100
115 52.5 40.1 120.2
150 156.3 0.0 347.2



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

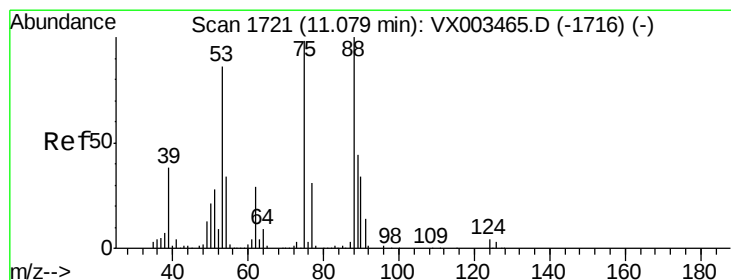
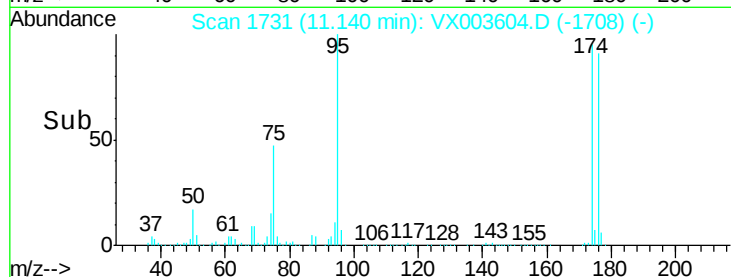
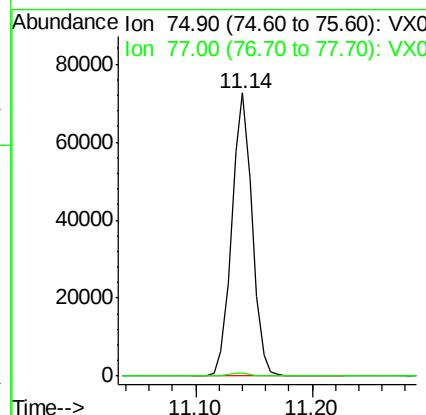
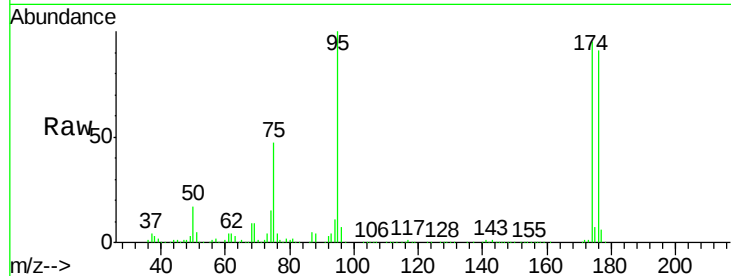




#76
 1,2,3-Trichloropropane
 Concen: 24.259 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003604.D
 Acq: 23 Jul 2018 15:09

Instrument :
 MSVOA_X
 ClientSampled :
 DSN001

Tgt Ion: 75 Resp: 87858
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.005 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003604.D
 Acq: 23 Jul 2018 15:09

Tgt Ion: 75 Resp: 87858
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

