

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042318\
 Data File : VX001063.D
 Acq On : 23 Apr 2018 17:10
 Operator : JC/MD
 Sample : J2464-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW001-180417

Quant Time: Apr 24 07:03:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	205524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	287839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	250962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	135953	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	136210	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	
35) Dibromofluoromethane	5.51	113	104637	47.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.34%	
50) Toluene-d8	8.72	98	397942	49.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.14	95	134601	39.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.04%	

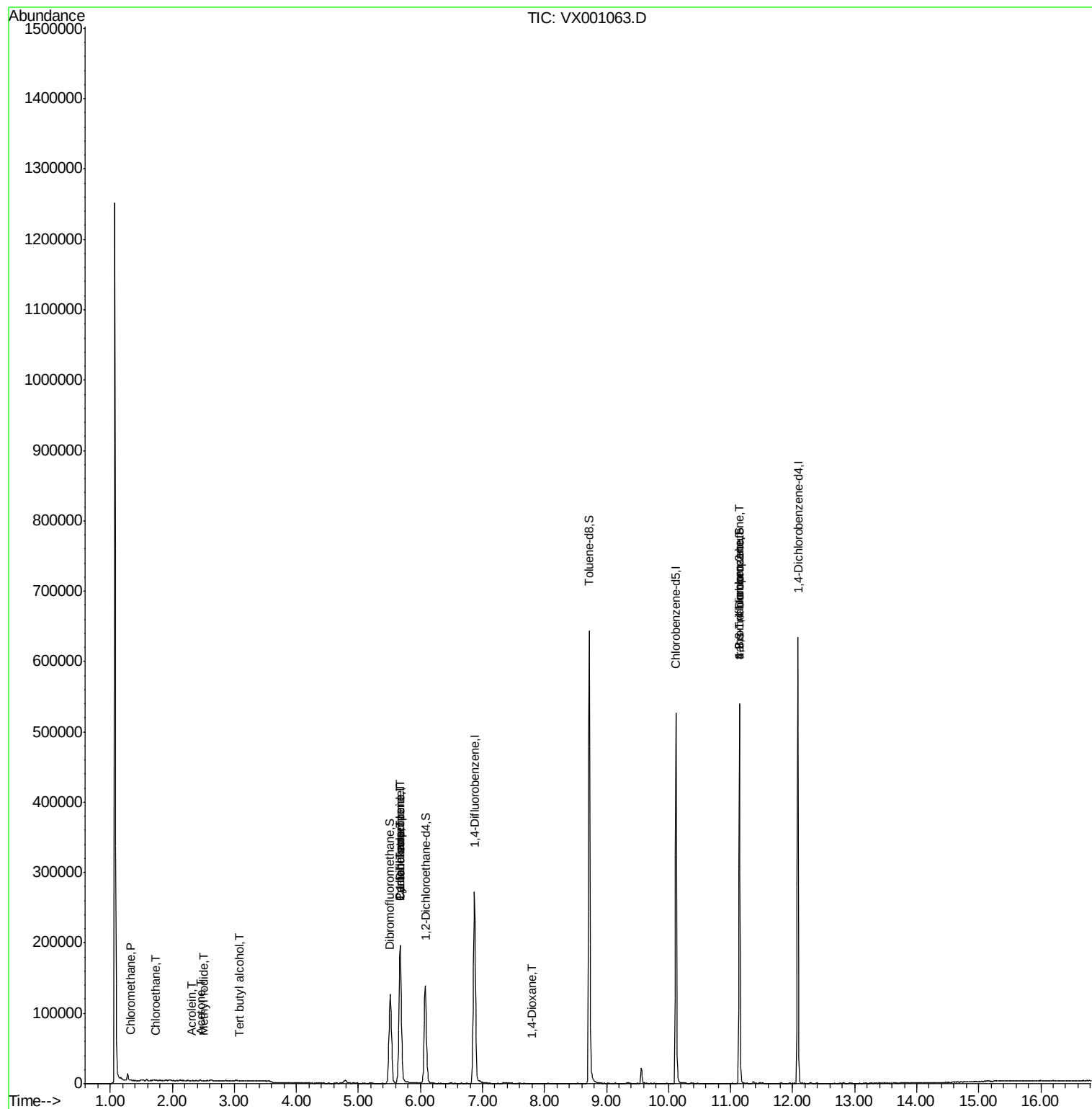
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	735	0.31	ug/l #	84
5) Bromomethane	1.65	94	233	Below Cal	#	50
6) Chloroethane	1.73	64	495	0.34	ug/l	98
10) Methyl Iodide	2.51	142	176	7.67	ug/l #	41
11) Tert butyl alcohol	3.08	59	158	0.40	ug/l #	28
13) Acrolein	2.31	56	89	11.63	ug/l #	69
16) Acetone	2.45	43	1602	1.63	ug/l #	82
20) Methylene Chloride	2.86	84	99	Below Cal	#	42
31) Cyclohexane	5.67	56	3717	1.01	ug/l #	23
36) 1,1-Dichloropropene	5.67	75	13111	3.88	ug/l #	49
38) Carbon Tetrachloride	5.67	117	18397	5.37	ug/l #	17
49) 1,4-Dioxane	7.79	88	79	1.87	ug/l #	68
76) 1,2,3-Trichloropropane	11.14	75	68795	29.17	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	68795	86.94	ug/l #	8

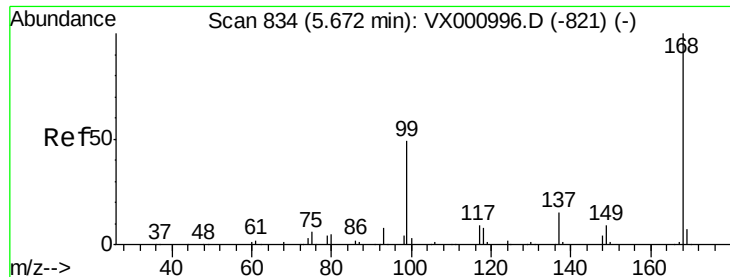
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001063.D

Acq: 23 Apr 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

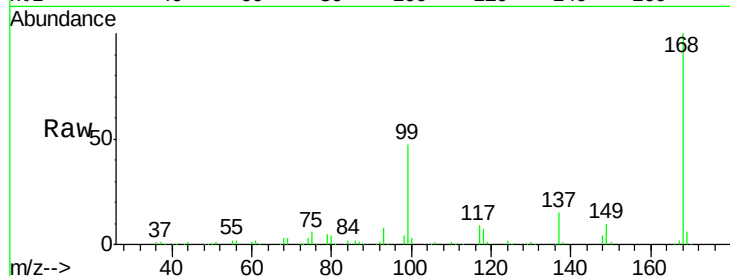
LF017MW001-180417

Tgt Ion:168 Resp: 205524

Ion Ratio Lower Upper

168 100

99 47.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

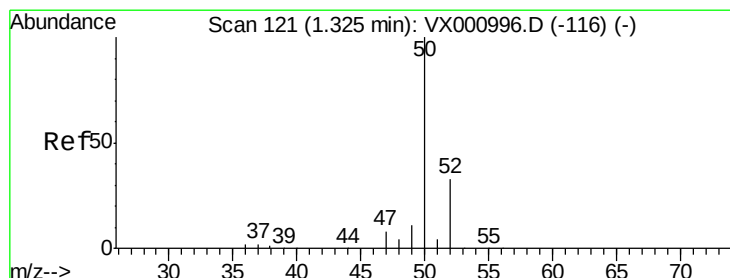
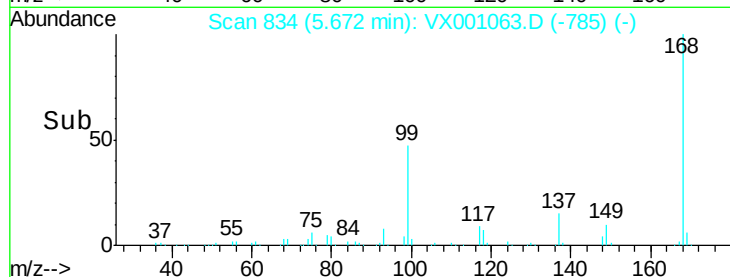
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.31 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001063.D

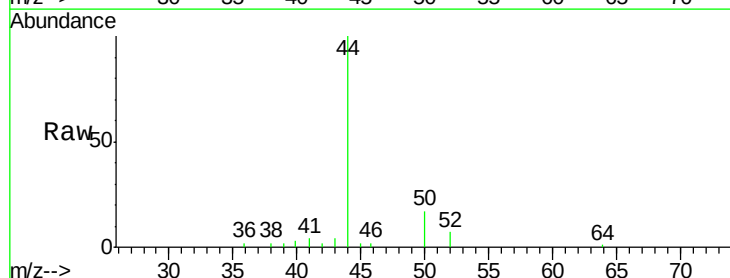
Acq: 23 Apr 2018 17:10

Tgt Ion: 50 Resp: 735

Ion Ratio Lower Upper

50 100

52 42.2 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

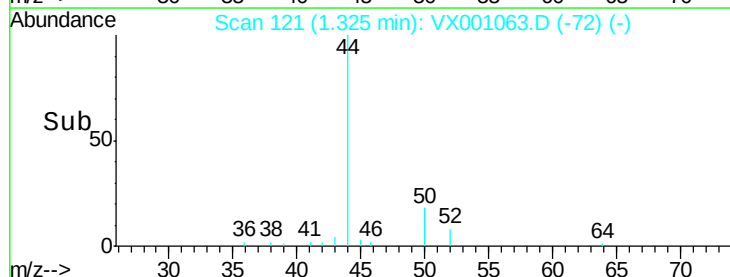
600

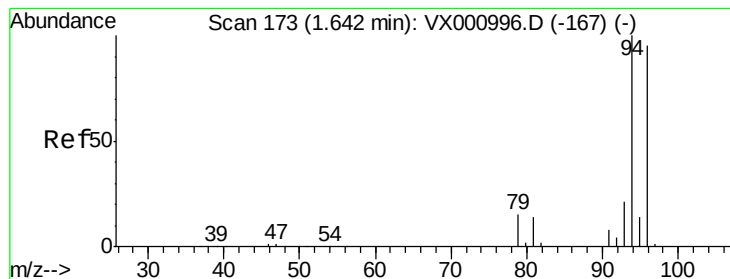
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001063.D

Acq: 23 Apr 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

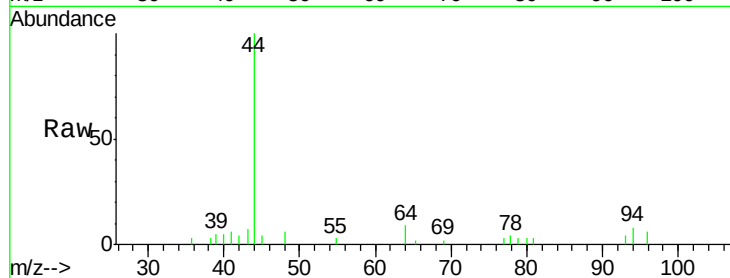
LF017MW001-180417

Tgt Ion: 94 Resp: 233

Ion Ratio Lower Upper

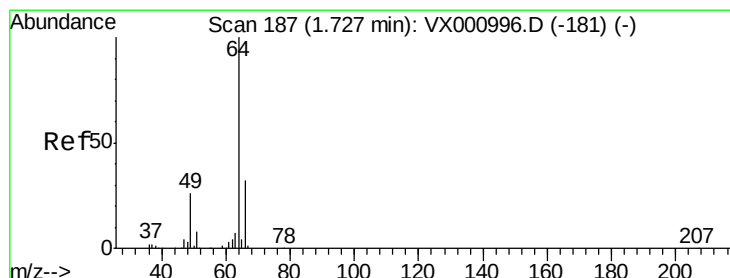
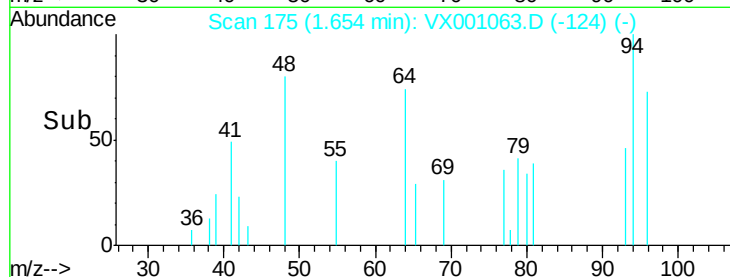
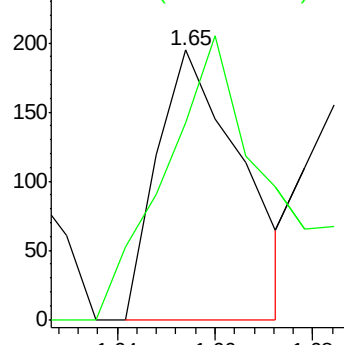
94 100

96 46.2 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.34 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001063.D

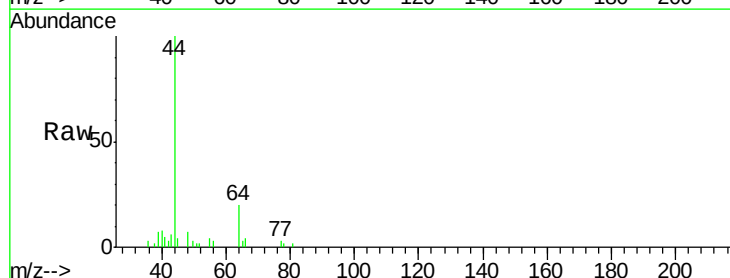
Acq: 23 Apr 2018 17:10

Tgt Ion: 64 Resp: 495

Ion Ratio Lower Upper

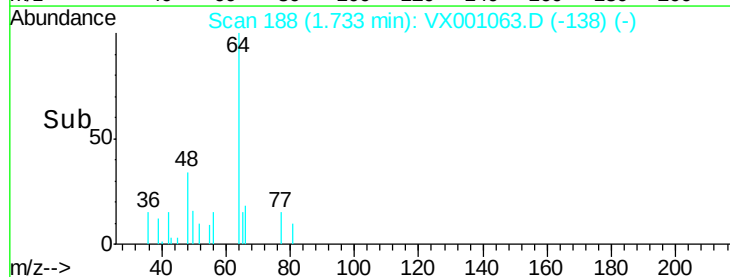
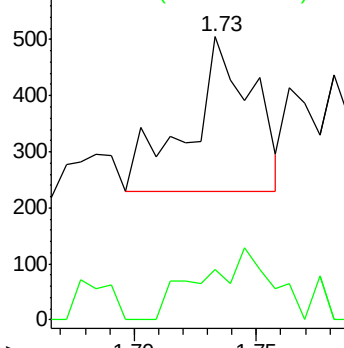
64 100

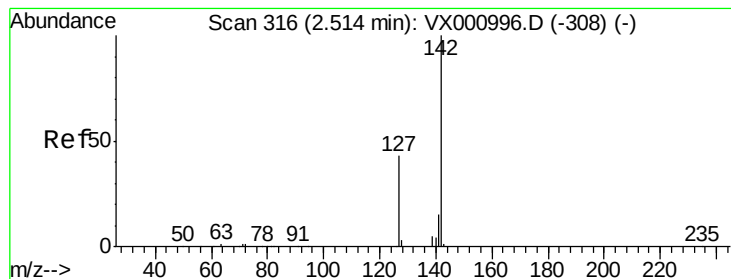
66 32.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 7.67 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001063.D

Acq: 23 Apr 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

LF017MW001-180417

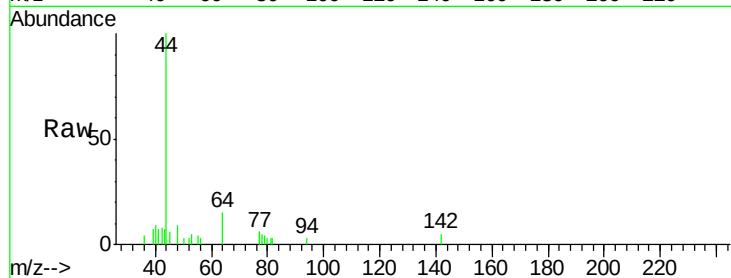
Tgt Ion:142 Resp: 176

Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

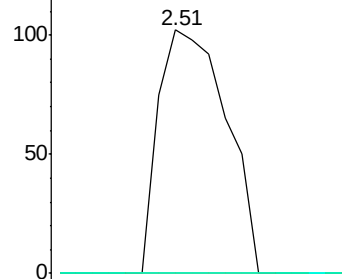
141 0.0 11.4 17.2#



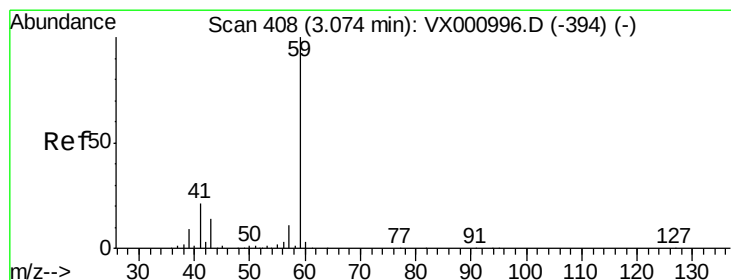
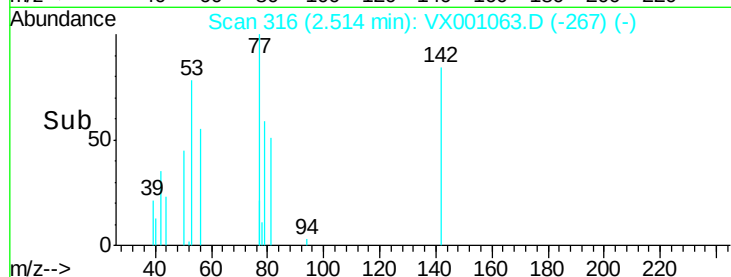
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#11

Tert butyl alcohol

Concen: 0.40 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX001063.D

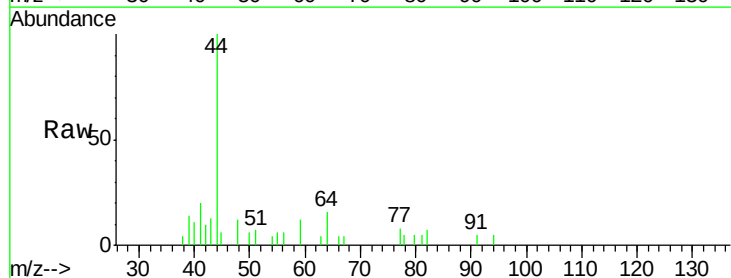
Acq: 23 Apr 2018 17:10

Tgt Ion: 59 Resp: 158

Ion Ratio Lower Upper

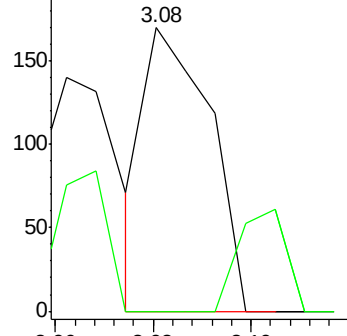
59 100

57 37.3 8.3 12.5#

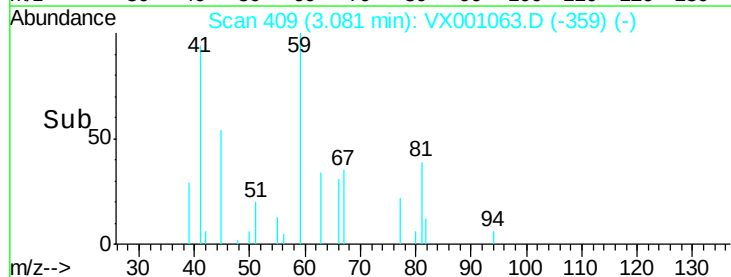


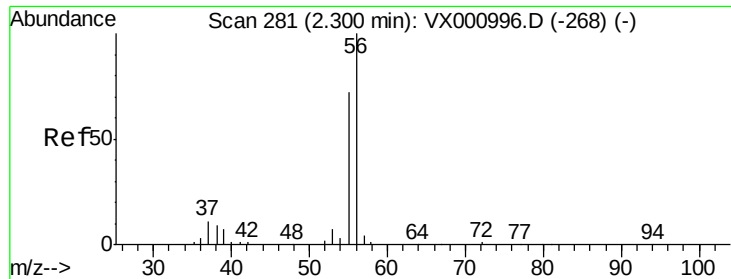
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->





#13

Acrolein

Concen: 11.63 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX001063.D

Acq: 23 Apr 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

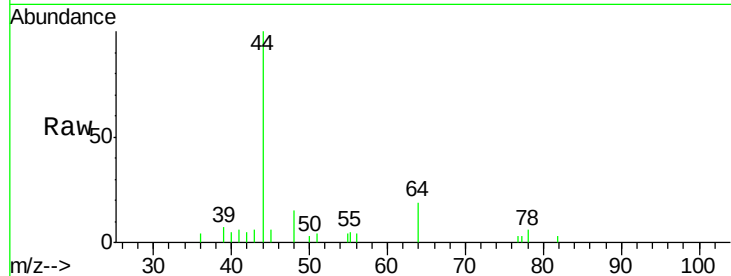
LF017MW001-180417

Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

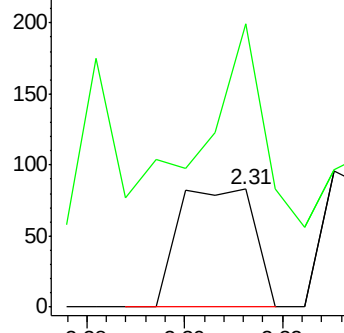
56 100

55 97.8 57.4 86.2#

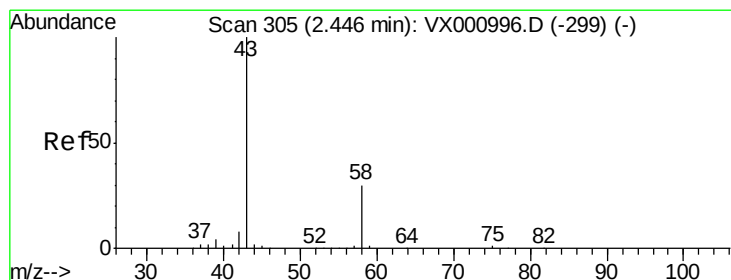
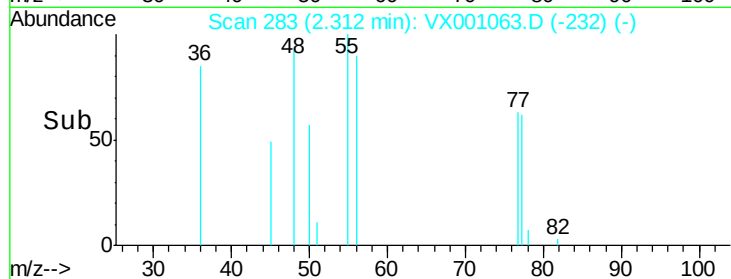


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 1.63 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX001063.D

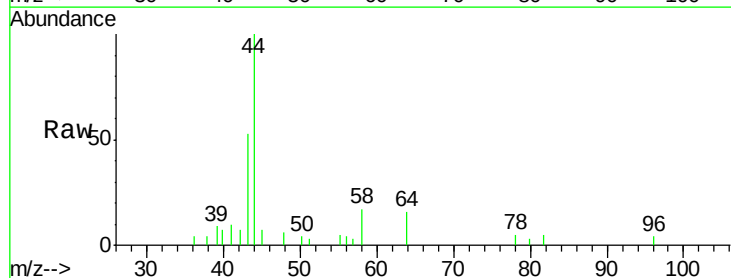
Acq: 23 Apr 2018 17:10

Tgt Ion: 43 Resp: 1602

Ion Ratio Lower Upper

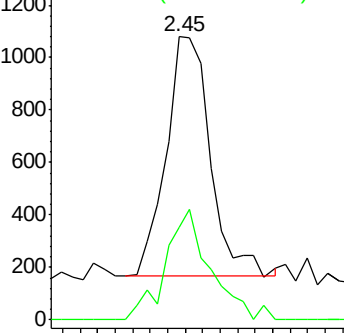
43 100

58 39.1 23.7 35.5#

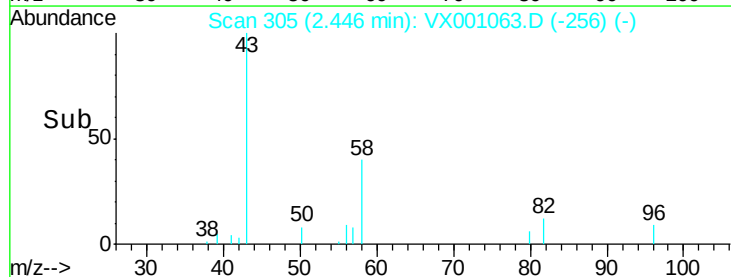


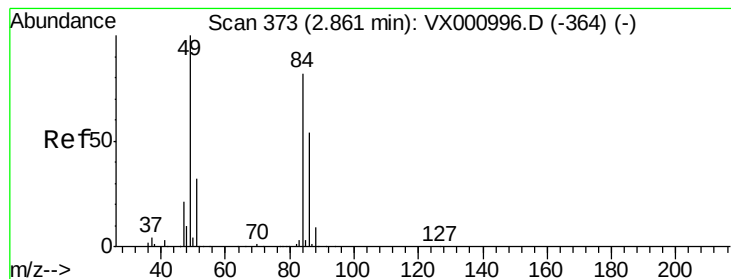
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001063.D

Acq: 23 Apr 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

LF017MW001-180417

Tgt Ion: 84 Resp: 99

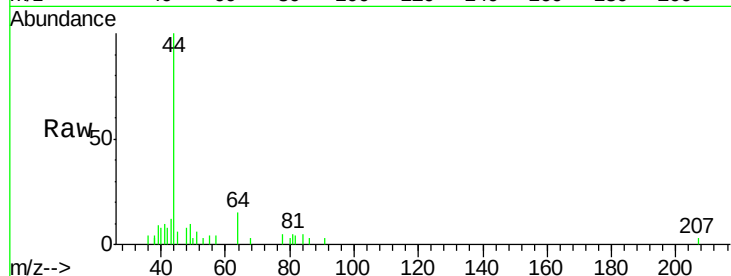
Ion Ratio Lower Upper

84 100

49 231.0 97.1 145.7#

51 29.8 30.8 46.2#

86 73.8 52.3 78.5

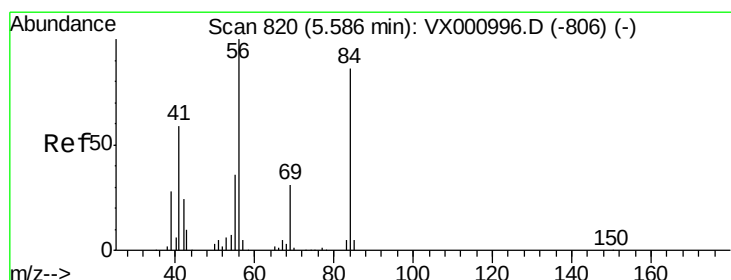
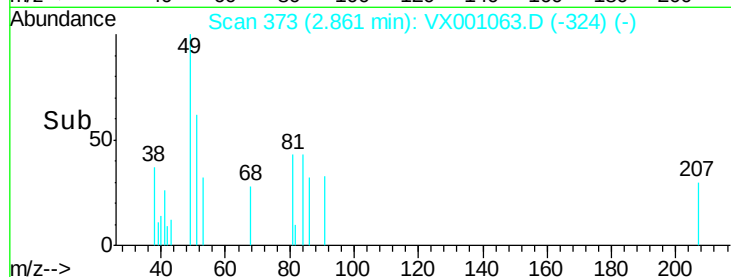
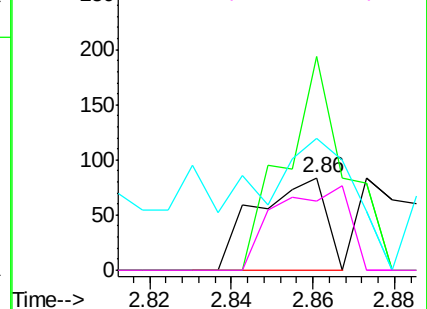


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001063.D

Acq: 23 Apr 2018 17:10

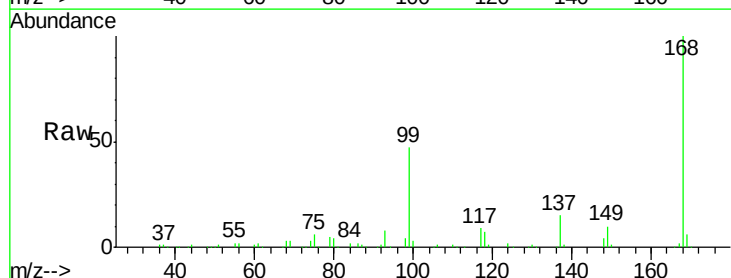
Tgt Ion: 56 Resp: 3717

Ion Ratio Lower Upper

56 100

69 147.0 24.6 36.8#

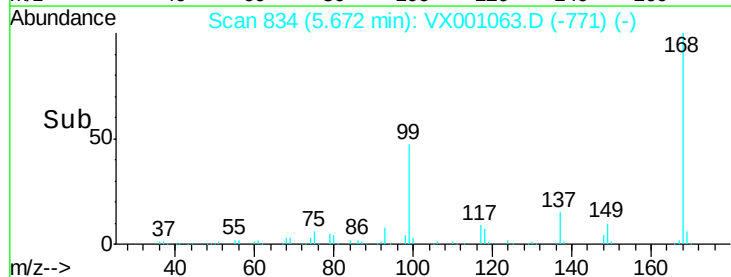
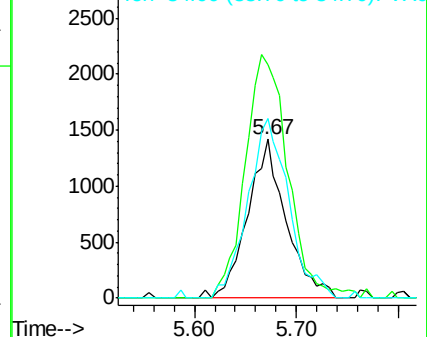
84 112.8 69.0 103.6#

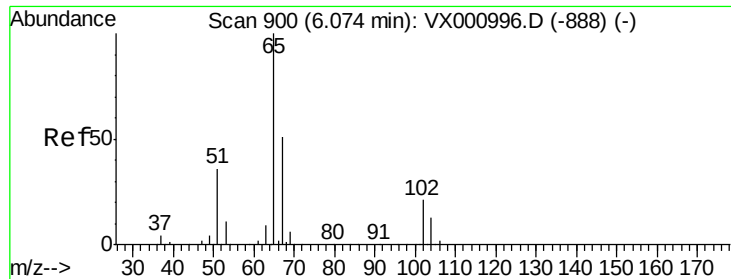


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

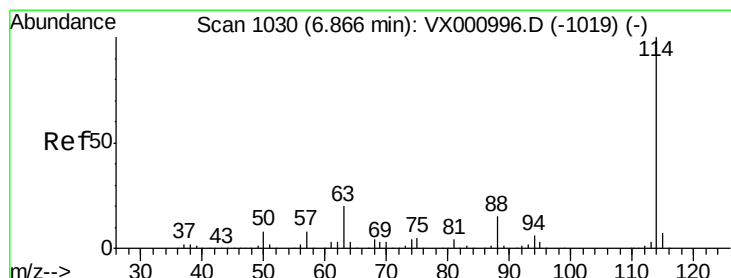
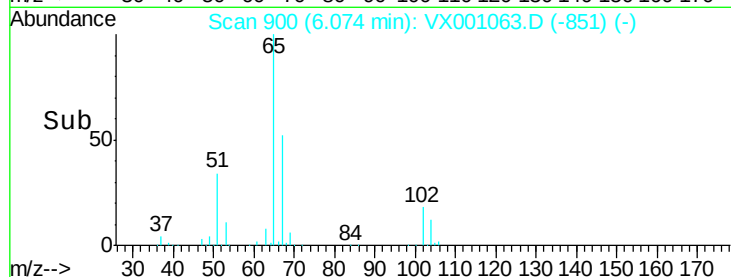
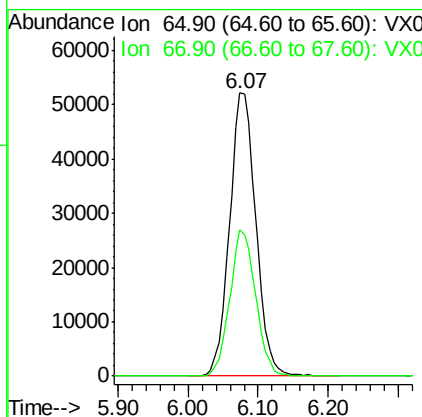
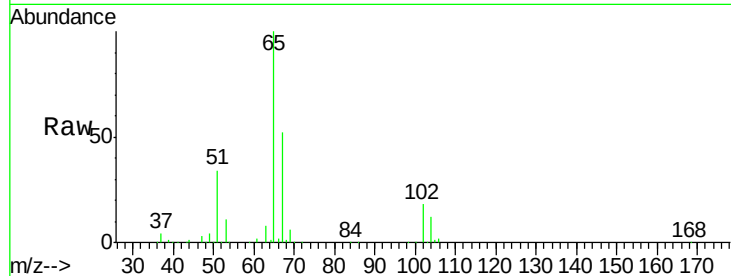




#33
 1,2-Dichloroethane-d4
 Concen: 52.28 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001063.D
 Acq: 23 Apr 2018 17:10

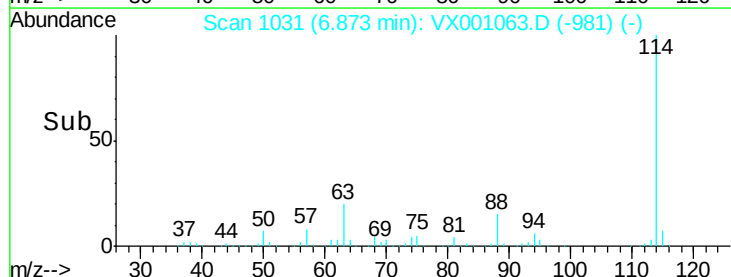
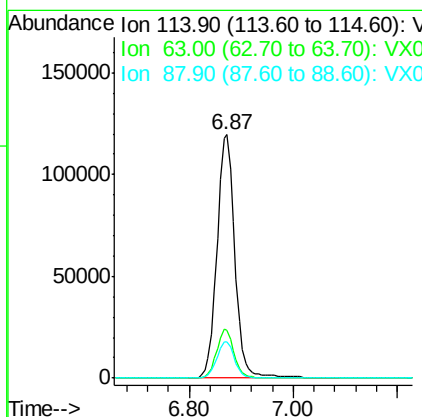
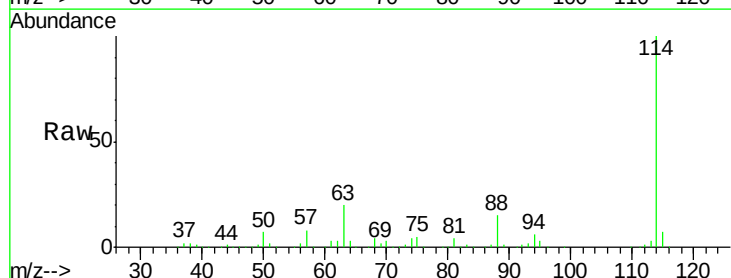
Instrument :
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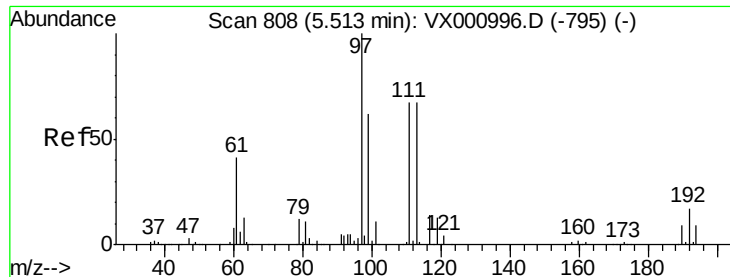
Tgt Ion: 65 Resp: 136210
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001063.D
 Acq: 23 Apr 2018 17:10

Tgt Ion: 114 Resp: 287839
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 15.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 47.67 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001063.D

Acq: 23 Apr 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

LF017MW001-180417

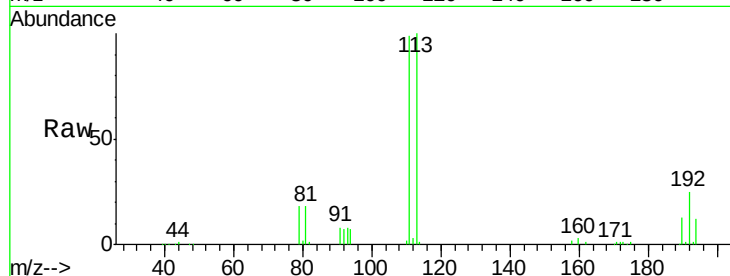
Tgt Ion:113 Resp: 104637

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.2

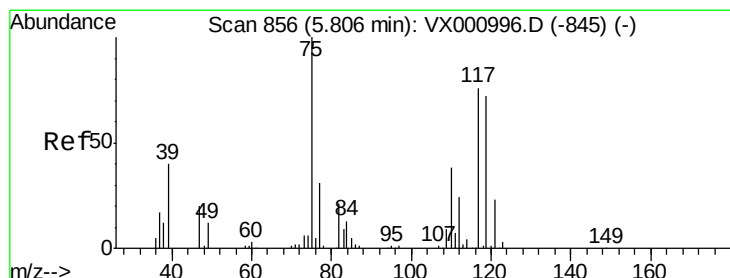
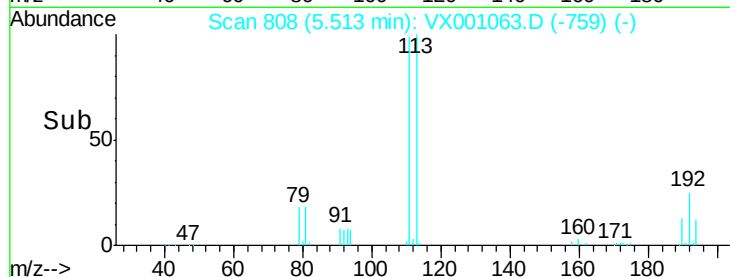
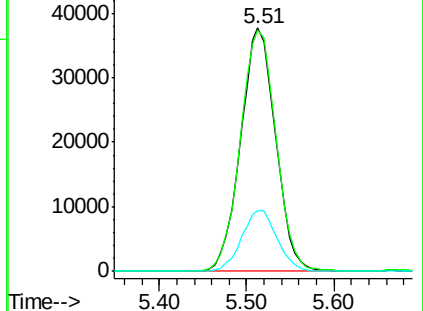
192 25.4 20.4 30.6



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: 3.88 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001063.D

Acq: 23 Apr 2018 17:10

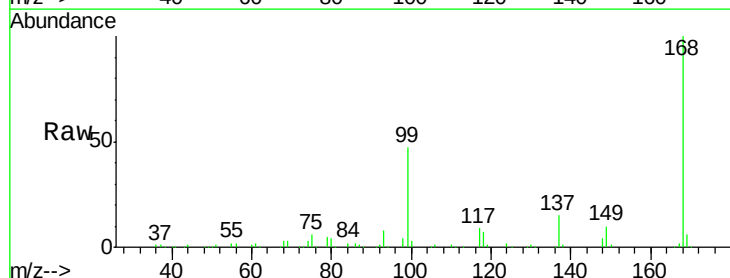
Tgt Ion: 75 Resp: 13111

Ion Ratio Lower Upper

75 100

110 9.8 18.7 56.1#

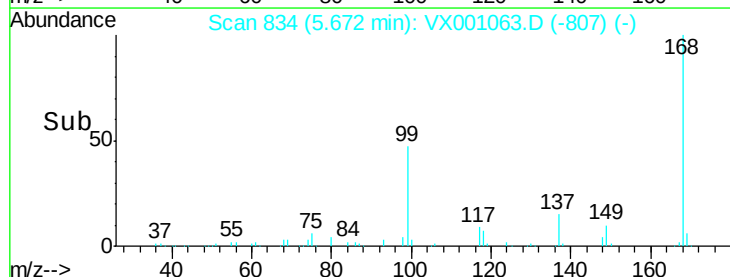
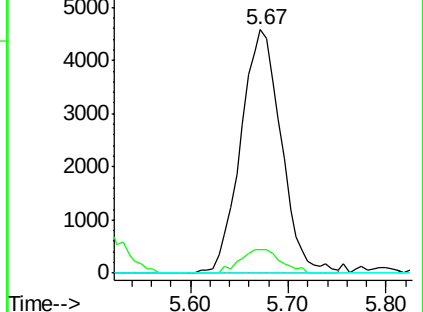
77 0.0 25.0 37.4#

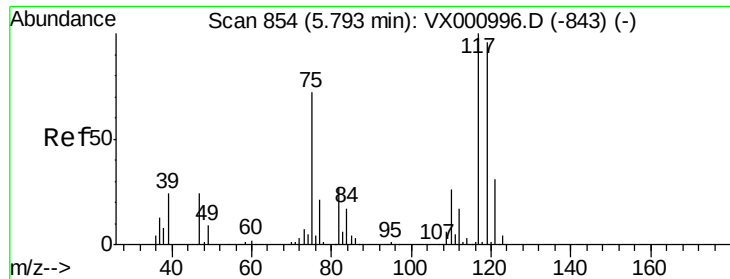


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.37 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001063.D

Acq: 23 Apr 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

LF017MW001-180417

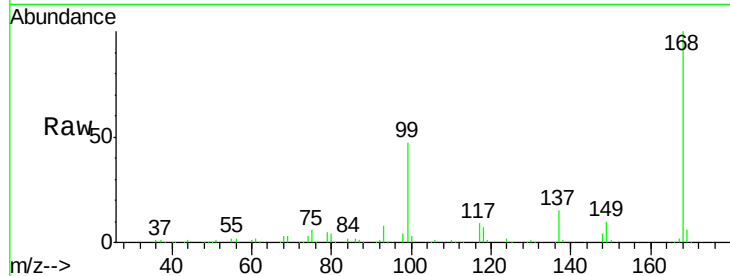
Tgt Ion: 117 Resp: 18397

Ion Ratio Lower Upper

117 100

119 5.6 76.5 114.7#

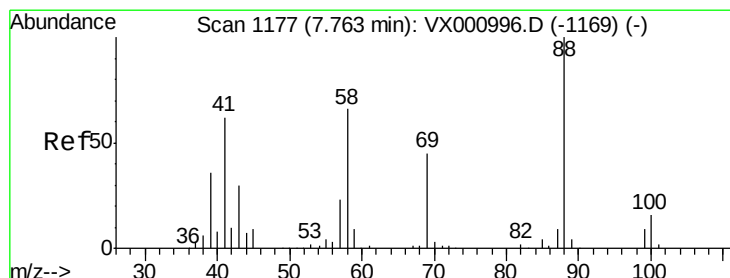
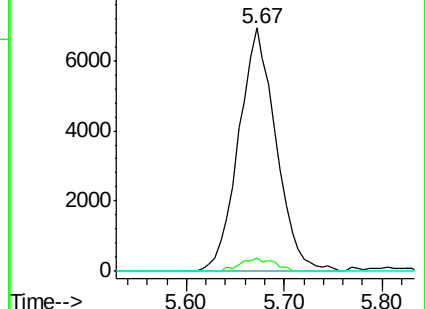
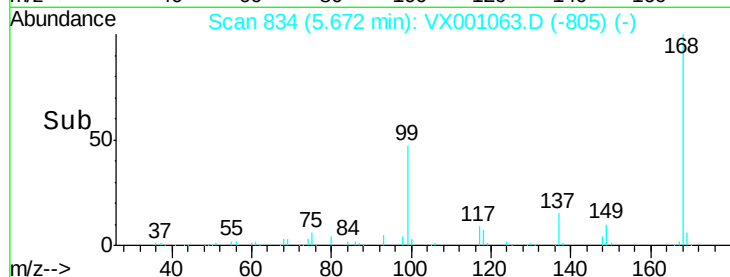
121 0.0 24.5 36.7#



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



#49

1,4-Dioxane

Concen: 1.87 ug/l

RT: 7.79 min Scan# 1182

Delta R.T. 0.03 min

Lab File: VX001063.D

Acq: 23 Apr 2018 17:10

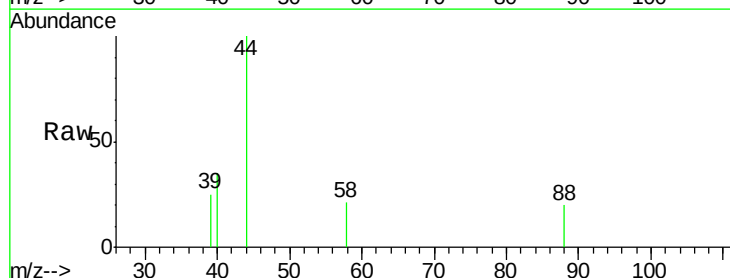
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 0.0 29.2 43.8#

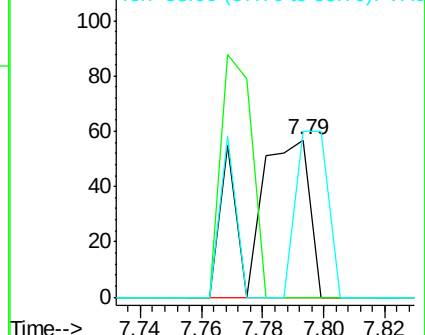
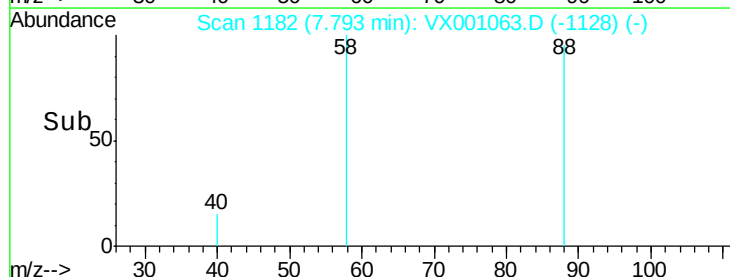
58 55.7 55.0 82.6

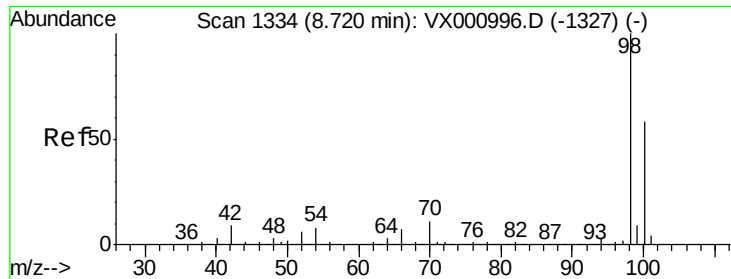


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

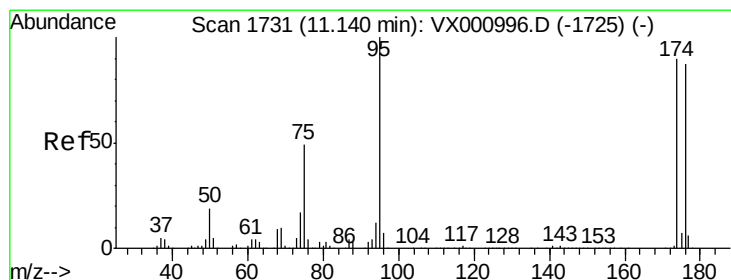
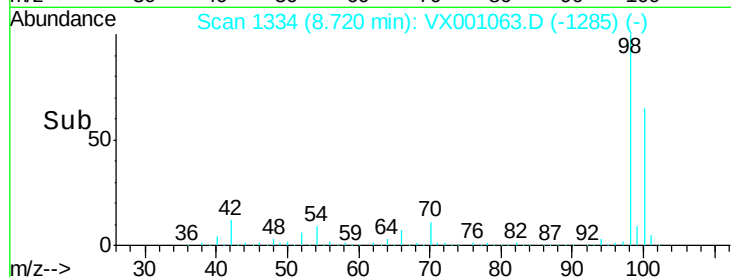
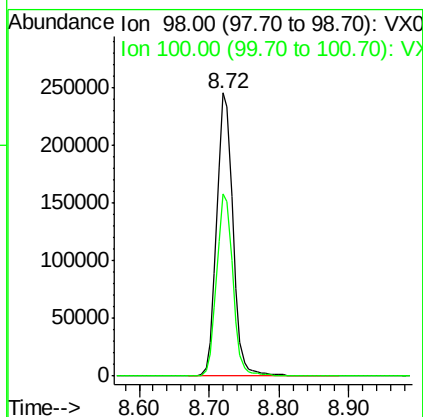
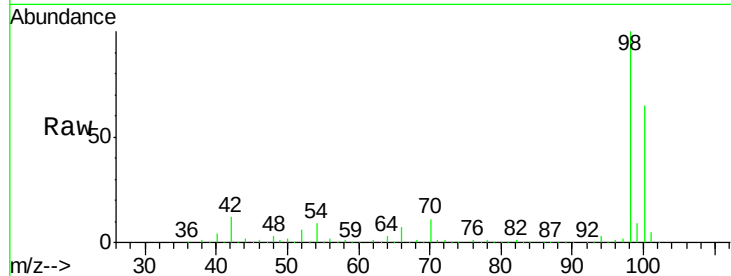




#50
Toluene-d8
Concen: 49.03 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001063.D
Acq: 23 Apr 2018 17:10

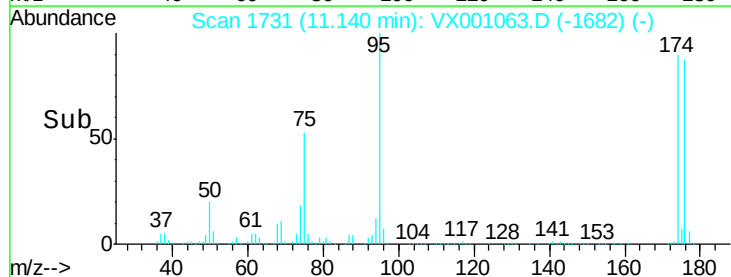
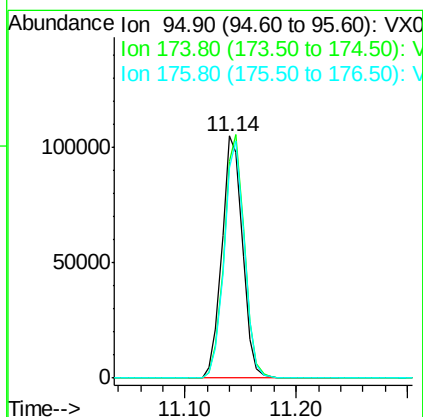
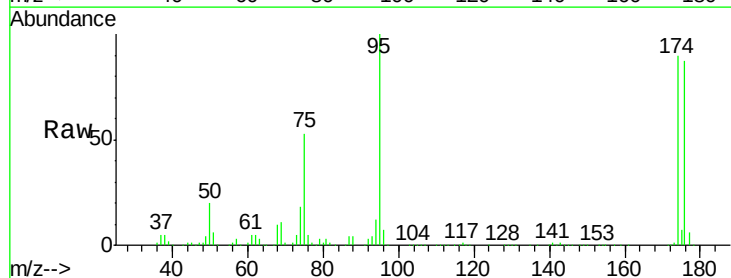
Instrument :
MSVOA_X
ClientSampleId :
LF017MW001-180417

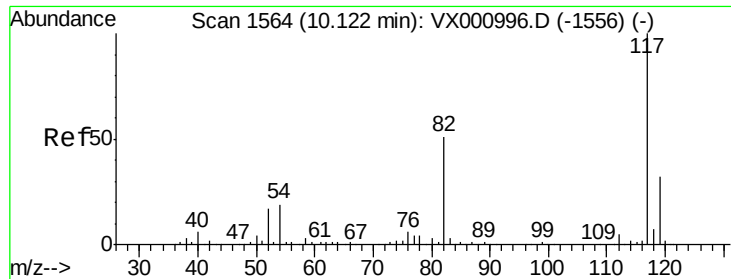
Tgt Ion: 98 Resp: 397942
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 39.52 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001063.D
Acq: 23 Apr 2018 17:10

Tgt Ion: 95 Resp: 134601
Ion Ratio Lower Upper
95 100
174 98.7 0.0 198.4
176 95.8 0.0 192.0

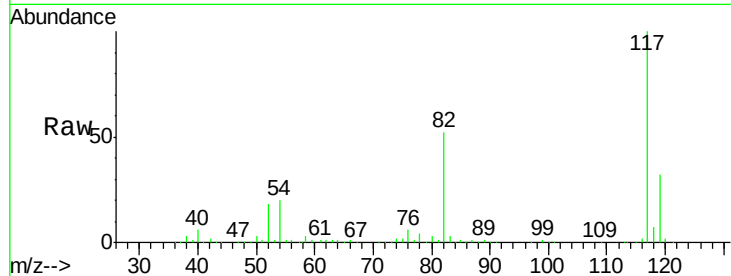




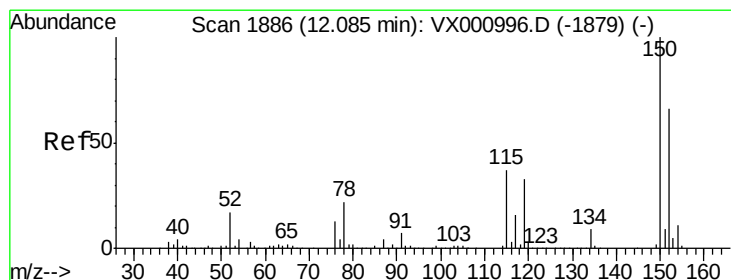
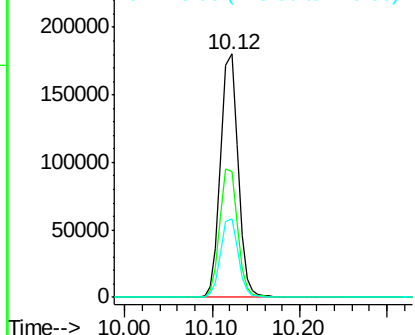
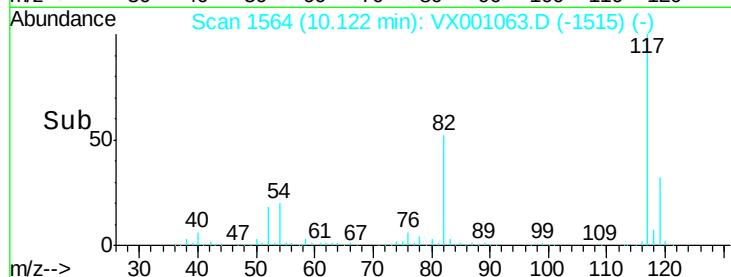
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001063.D
Acq: 23 Apr 2018 17:10

Instrument :
MSVOA_X
ClientSampleId :
LF017MW001-180417

Tgt Ion:117 Resp: 250962
Ion Ratio Lower Upper
117 100
82 51.8 40.6 60.8
119 32.0 26.0 39.0

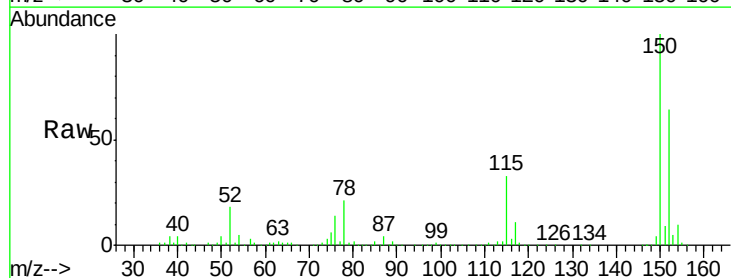


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

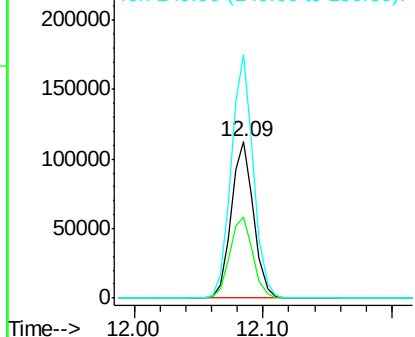
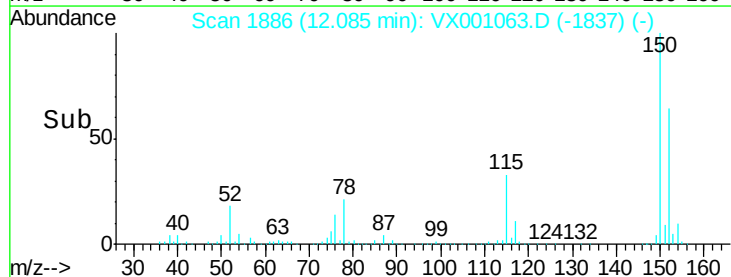


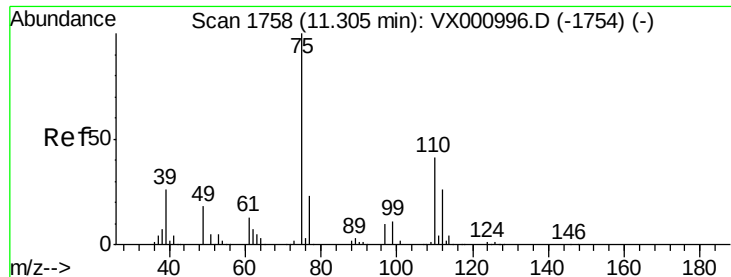
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001063.D
Acq: 23 Apr 2018 17:10

Tgt Ion:152 Resp: 135953
Ion Ratio Lower Upper
152 100
115 53.4 38.2 114.6
150 154.4 0.0 350.4



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





#76

1,2,3-Trichloropropane

Concen: 29.17 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001063.D

Acq: 23 Apr 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

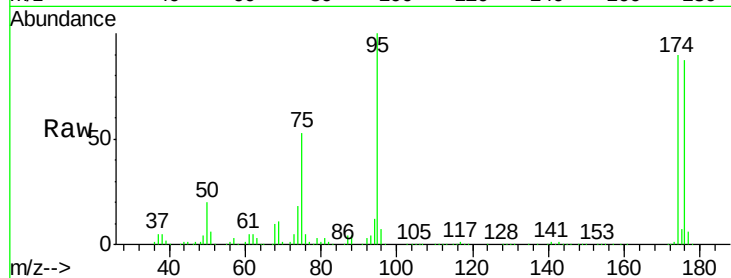
LF017MW001-180417

Tgt Ion: 75 Resp: 68795

Ion Ratio Lower Upper

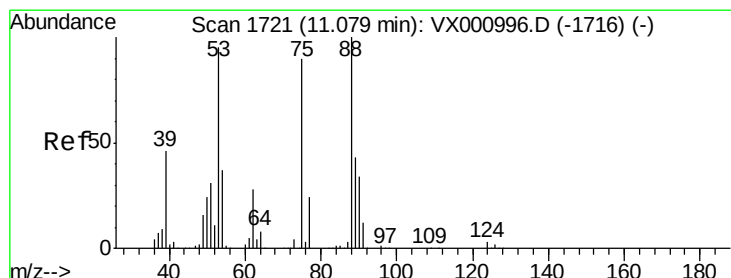
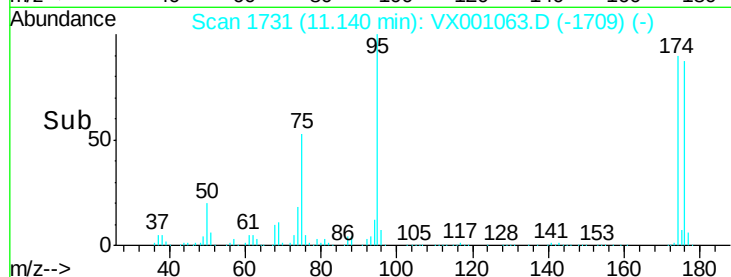
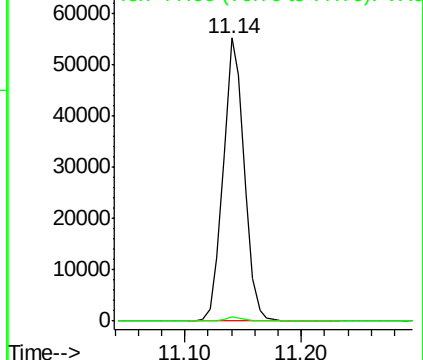
75 100

77 1.2 19.6 58.7#



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: 86.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001063.D

Acq: 23 Apr 2018 17:10

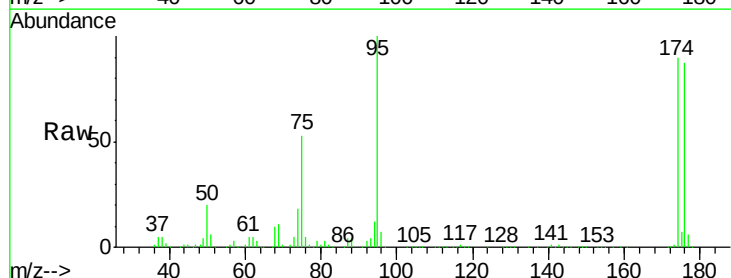
Tgt Ion: 75 Resp: 68795

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#



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

