

Data File : VX001984.D

Acq On : 25 May 2018 18:23

Operator : JC/MD

Sample : J3064-09

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 19 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

KMGSBRIDGE-TRIPBLANK#2-5-18-

Quant Time: May 26 00:45:20 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	489466	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	446587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	247127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	294142	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	5.51	113	228603	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
50) Toluene-d8	8.72	98	839827	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	11.14	95	313458	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	

Target Compounds

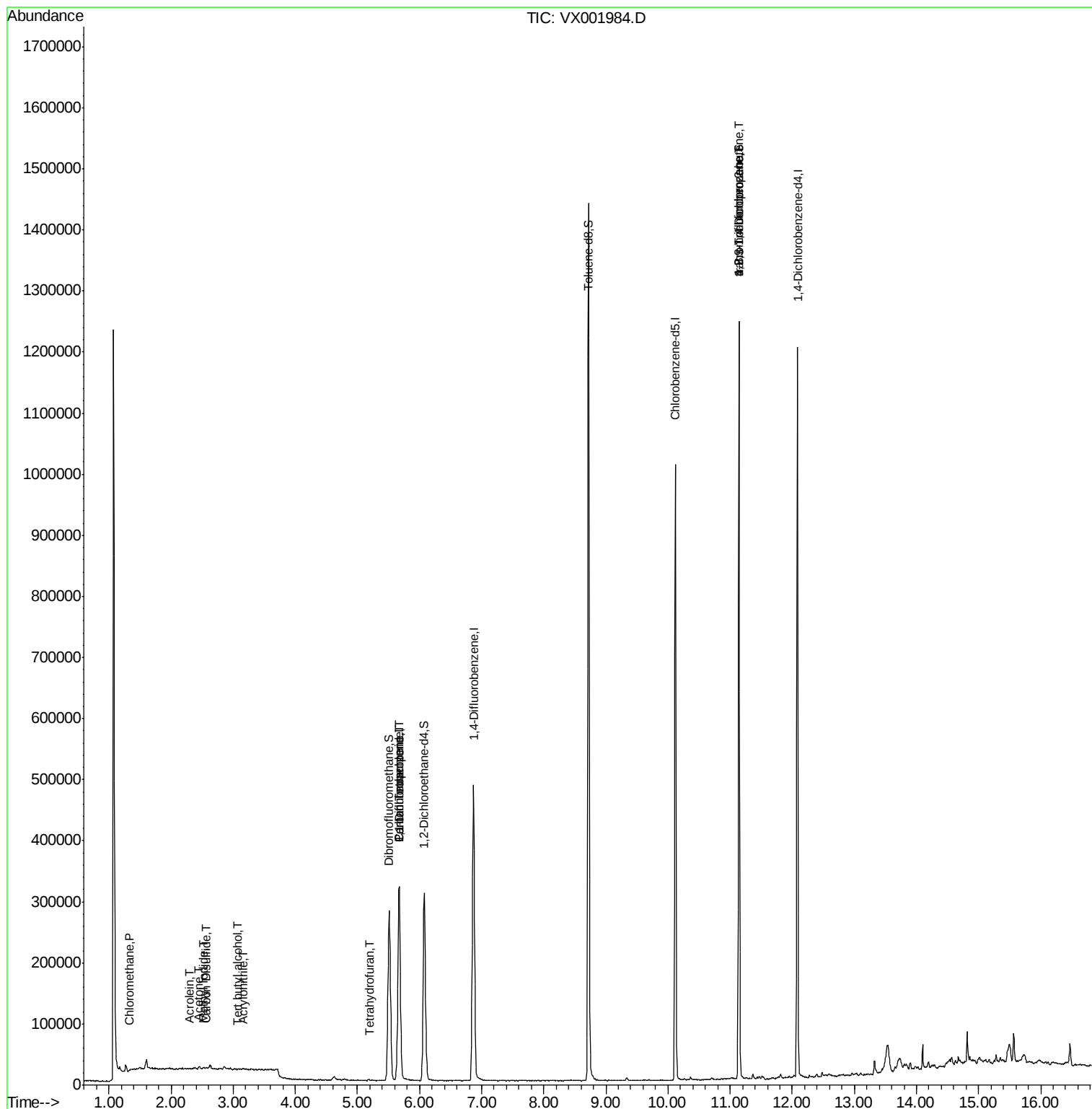
						Qvalue
2) Dichlorodifluoromethane	1.20	85	546	Below Cal		71
3) Chloromethane	1.33	50	1054	0.21 ug/l	#	75
5) Bromomethane	1.66	94	794	Below Cal		81
10) Methyl Iodide	2.53	142	2545	0.46 ug/l	#	69
11) Tert butyl alcohol	3.07	59	624	0.55 ug/l	#	55
13) Acrolein	2.29	56	376	0.76 ug/l	#	1
15) Acrylonitrile	3.15	53	1032	0.44 ug/l	#	77
16) Acetone	2.45	43	6554	2.92 ug/l		95
17) Carbon Disulfide	2.57	76	2804	0.26 ug/l		98
18) Methyl Acetate	2.79	43	1027	Below Cal		98
20) Methylene Chloride	2.86	84	1685	Below Cal	#	75
21) trans-1,2-Dichloroethene	3.17	96	631	Below Cal	#	61
28) Bromochloromethane	5.02	49	112	Below Cal	#	35
29) Tetrahydrofuran	5.20	42	972	0.36 ug/l	#	37
36) 1,1-Dichloropropene	5.67	75	22829	3.35 ug/l	#	43
38) Carbon Tetrachloride	5.67	117	29838	3.76 ug/l	#	15
41) Methacrylonitrile	5.07	41	103	Below Cal	#	1
74) N-amyl acetate	6.47	43	106	Below Cal	#	60
75) 1,1,2,2-Tetrachloroethane	11.09	83	181	Below Cal		70
76) 1,2,3-Trichloropropane	11.14	75	162955	27.45 ug/l	#	33
79) 2-Chlorotoluene	11.43	91	935	Below Cal		79
81) trans-1,4-Dichloro-2-buten	11.14	75	162955	65.98 ug/l	#	10

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

Data File : VX001984.D
Acq On : 25 May 2018 18:23
Operator : JC/MD
Sample : J3064-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KMGSBRIDGE-TRIPBLANK#2-5-18-

Quant Time: May 26 00:45:20 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

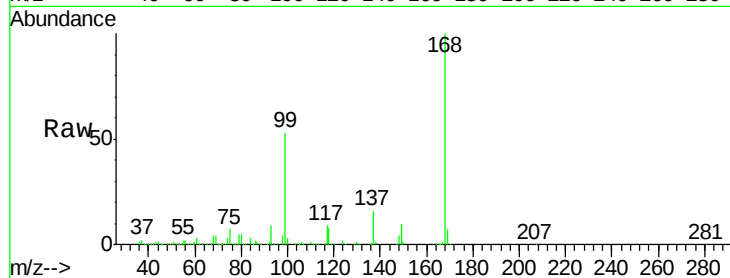
KMGsBRIDGE-TRIPBLANK#2-5-18-

Tgt Ion:168 Resp: 325556

Ion Ratio Lower Upper

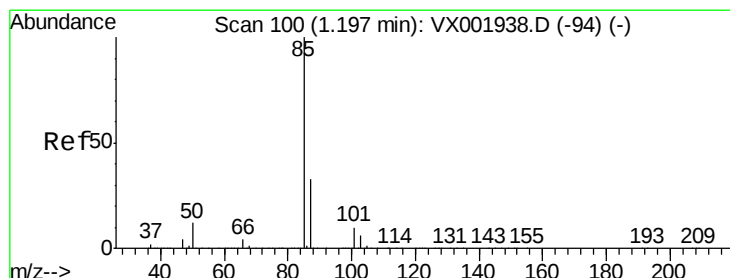
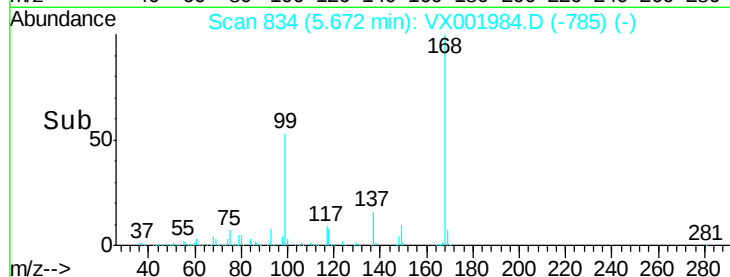
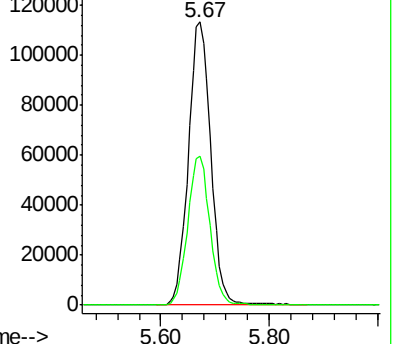
168 100

99 52.6 41.0 61.4



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: VX001984.D

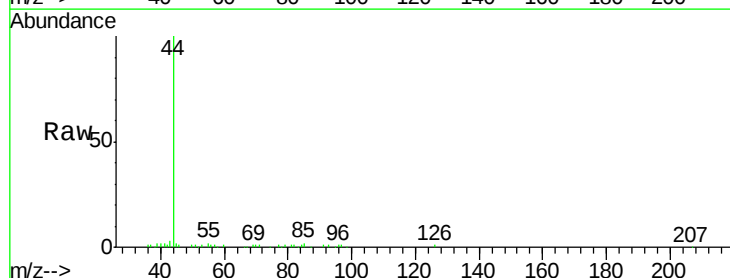
Acq: 25 May 2018 18:23

Tgt Ion: 85 Resp: 546

Ion Ratio Lower Upper

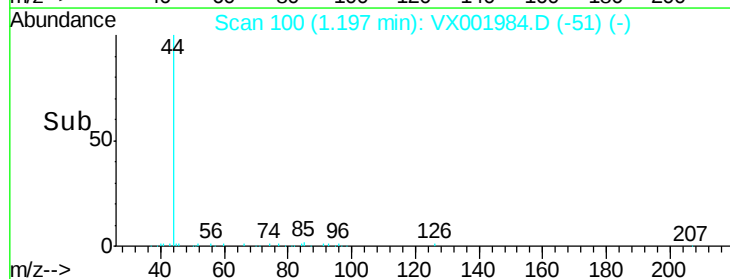
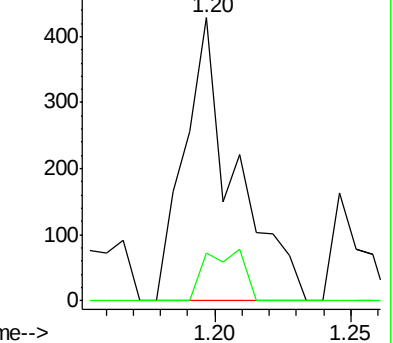
85 100

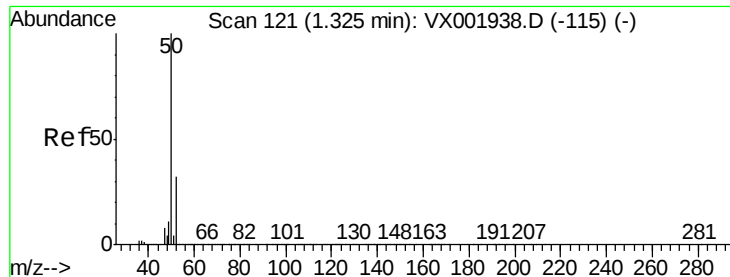
87 16.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

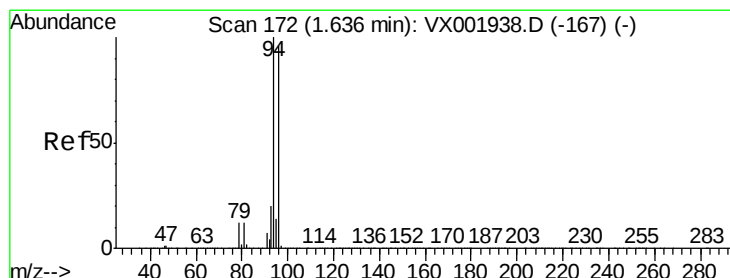
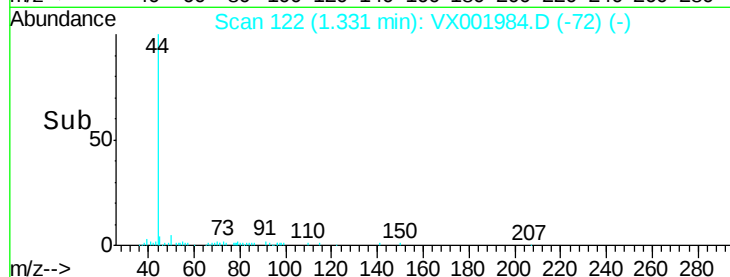
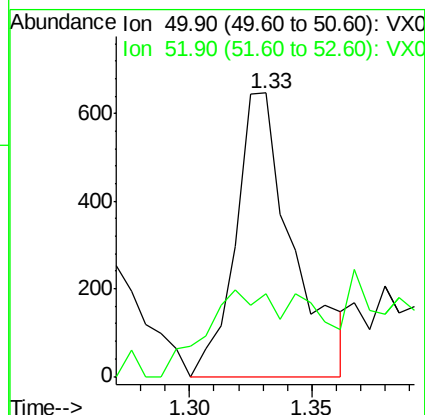
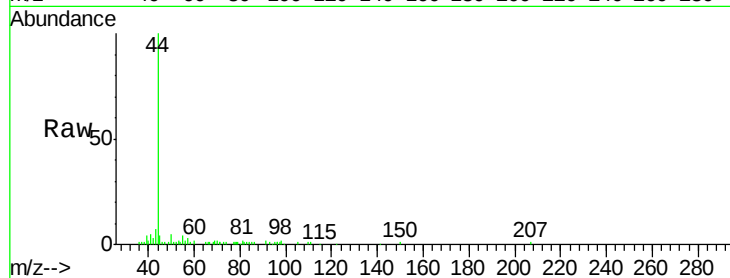
KMGsBRIDGE-TRIPBLANK#2-5-18-

Tgt Ion: 50 Resp: 1054

Ion Ratio Lower Upper

50 100

52 18.5 26.0 39.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001984.D

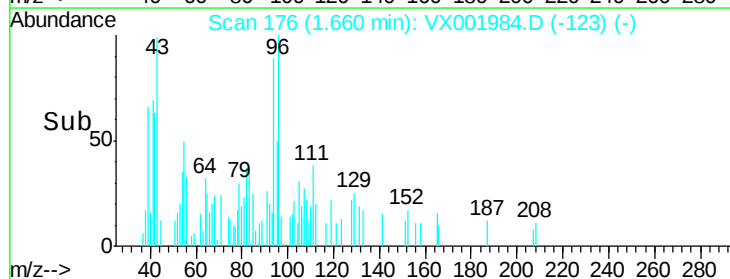
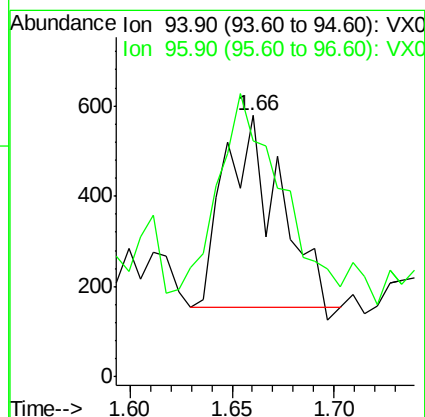
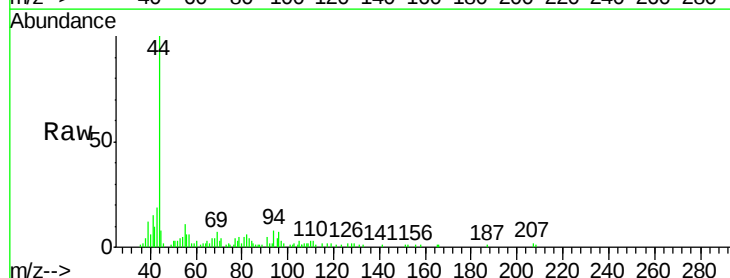
Acq: 25 May 2018 18:23

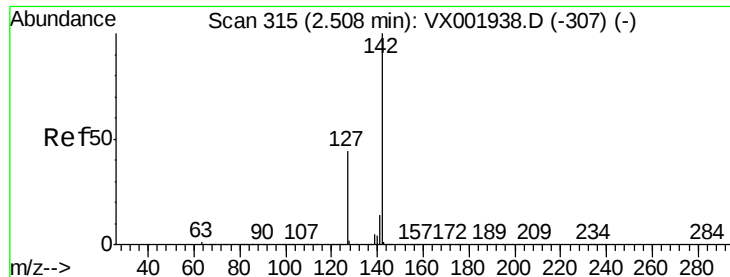
Tgt Ion: 94 Resp: 794

Ion Ratio Lower Upper

94 100

96 76.7 75.9 113.9

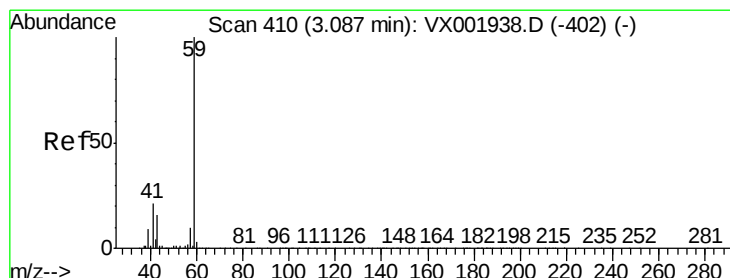
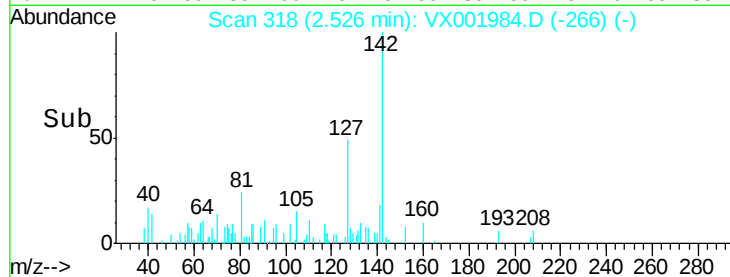
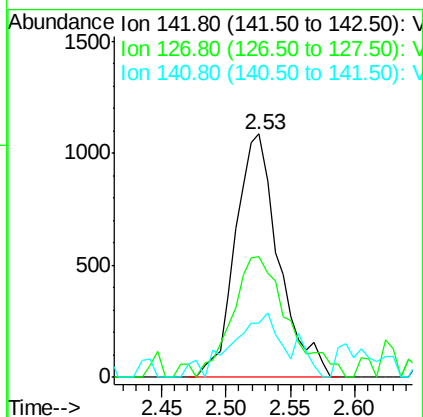
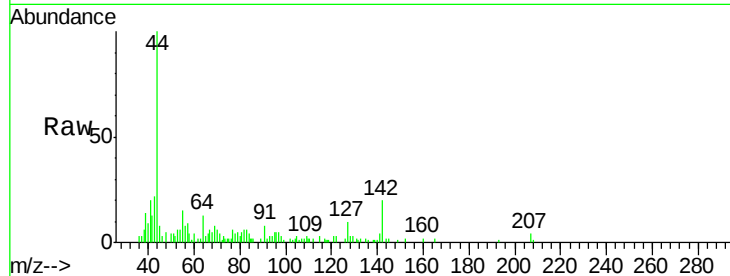




#10
Methyl Iodide
Concen: 0.46 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX001984.D
Acq: 25 May 2018 18:23

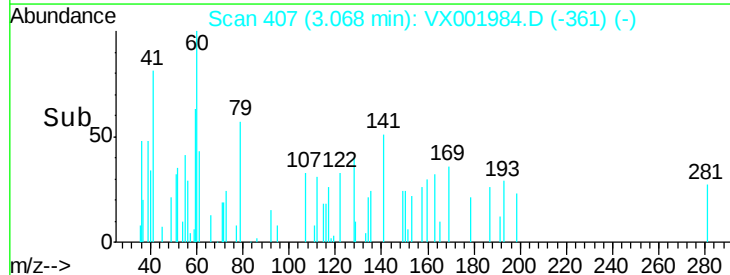
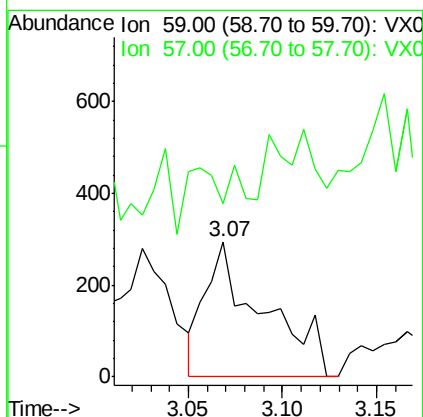
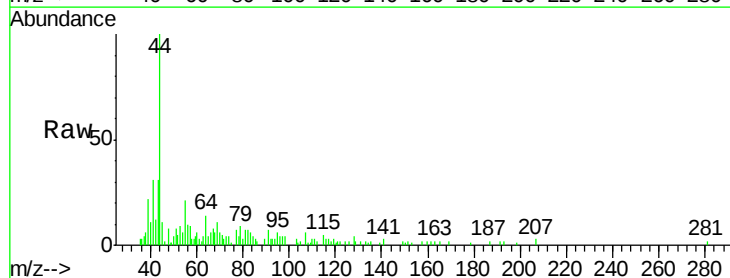
Instrument :
MSVOA_X
ClientSampleId :
KMGSBRIDGE-TRIPBLANK#2-5-18-

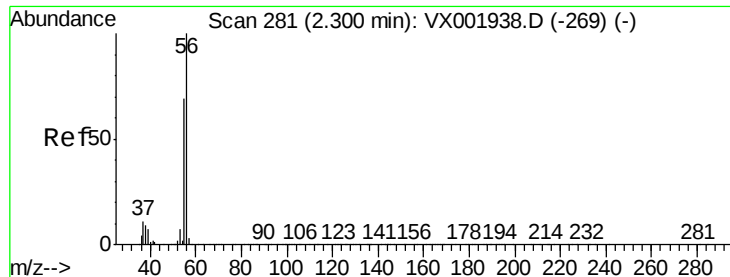
Tgt Ion: 142 Resp: 2545
Ion Ratio Lower Upper
142 100
127 63.0 35.5 53.3#
141 29.2 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.55 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX001984.D
Acq: 25 May 2018 18:23

Tgt Ion: 59 Resp: 624
Ion Ratio Lower Upper
59 100
57 28.2 8.9 13.3#





#13

Acrolein

Concen: 0.76 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

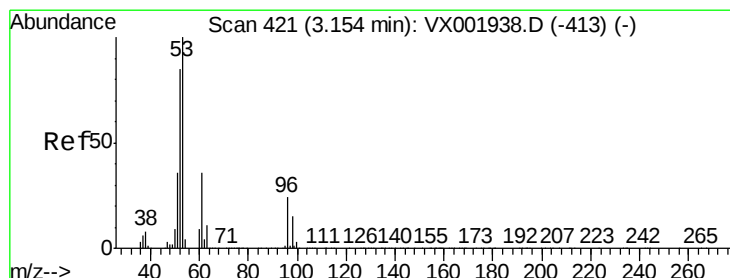
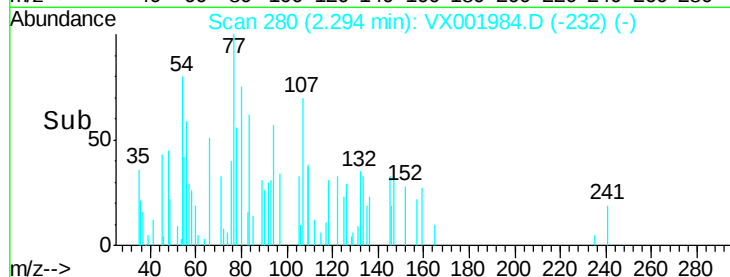
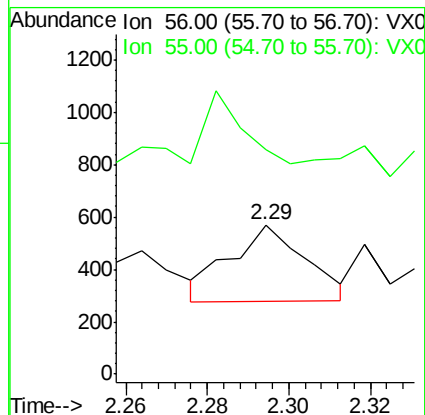
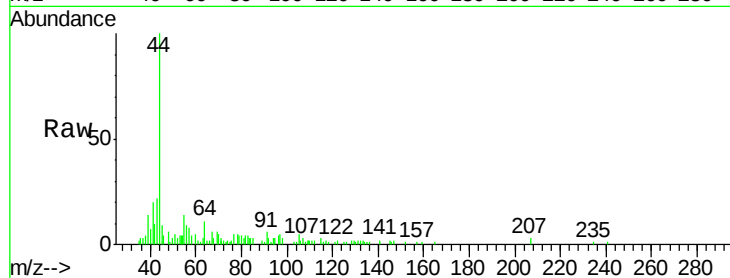
KMGsBRIDGE-TRIPBLANK#2-5-18-

Tgt Ion: 56 Resp: 376

Ion Ratio Lower Upper

56 100

55 183.2 56.8 85.2#



#15

Acrylonitrile

Concen: 0.44 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

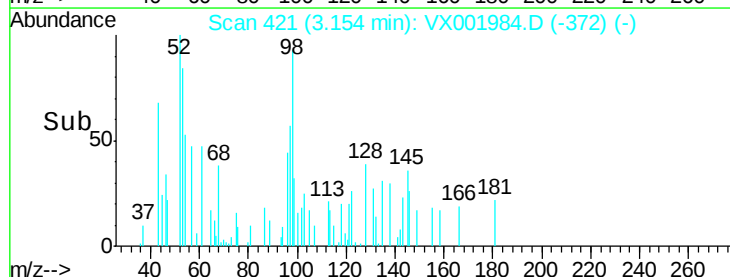
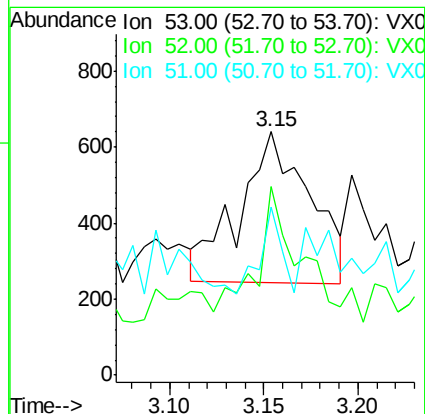
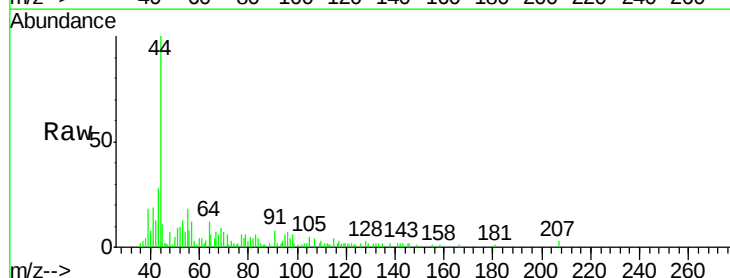
Tgt Ion: 53 Resp: 1032

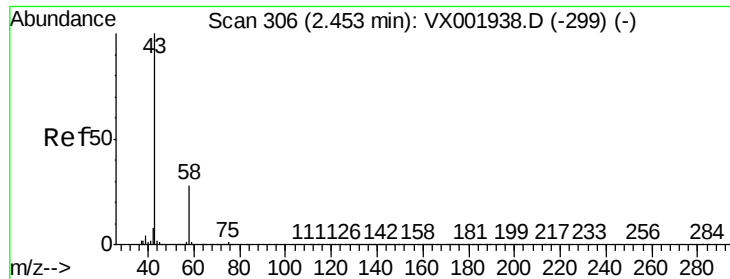
Ion Ratio Lower Upper

53 100

52 66.3 66.4 99.6#

51 17.1 29.3 43.9#





#16

Acetone

Concen: 2.92 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

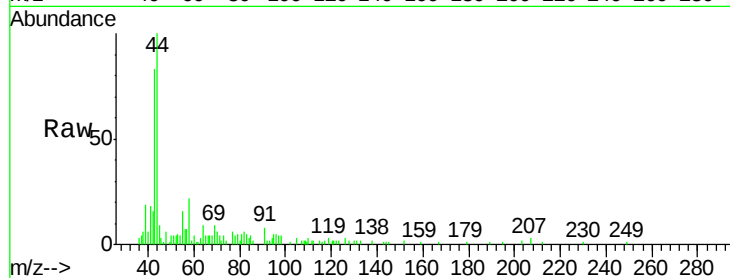
KMGsBRIDGE-TRIPBLANK#2-5-18-

Tgt Ion: 43 Resp: 6554

Ion Ratio Lower Upper

43 100

58 30.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

3000

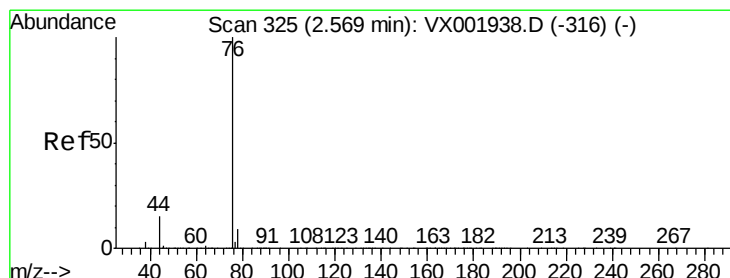
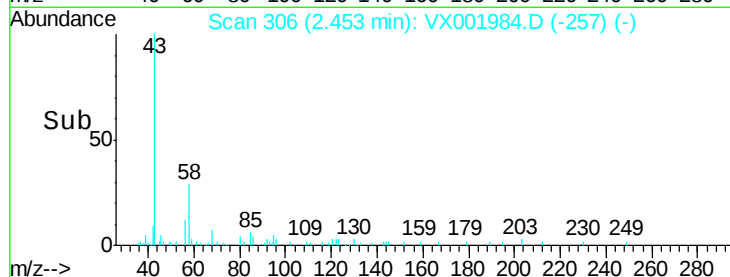
2000

1000

0

Time-->

2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001984.D

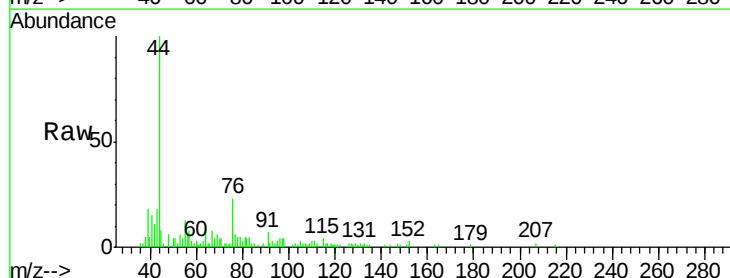
Acq: 25 May 2018 18:23

Tgt Ion: 76 Resp: 2804

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1500

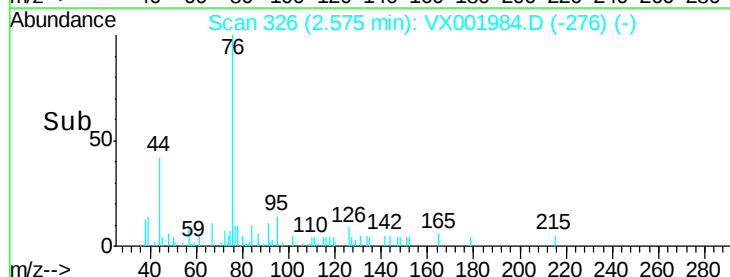
1000

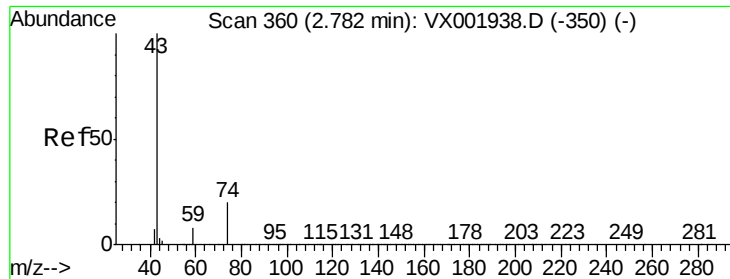
500

0

Time-->

2.45 2.50 2.55 2.60 2.65

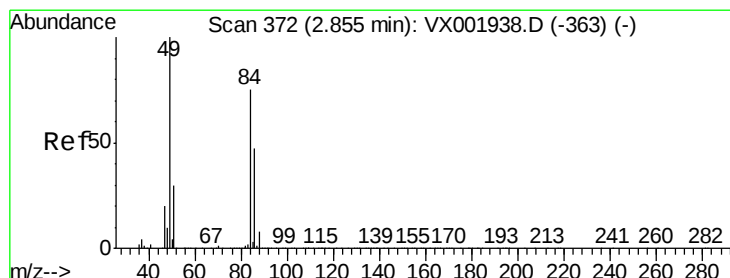
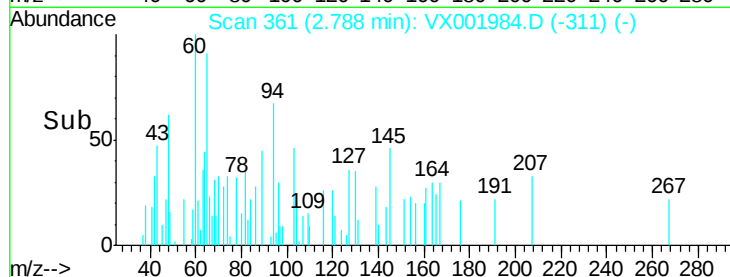
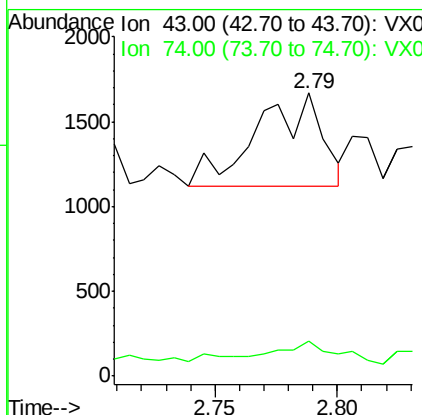
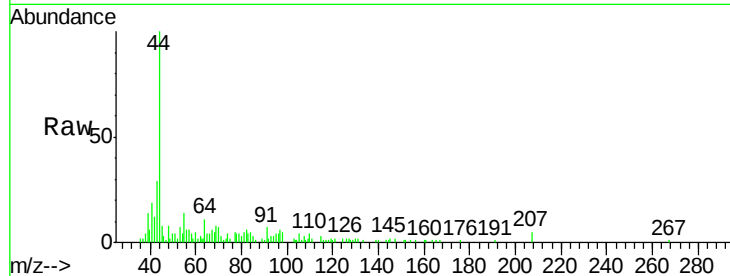




#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001984.D
Acq: 25 May 2018 18:23

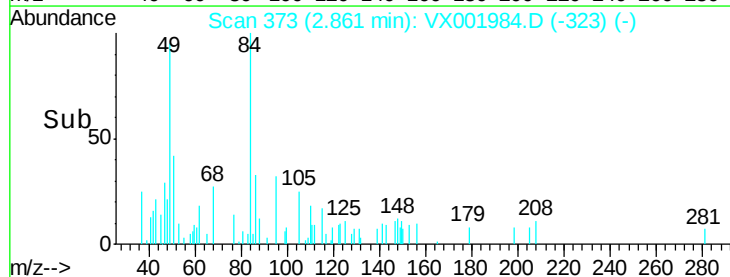
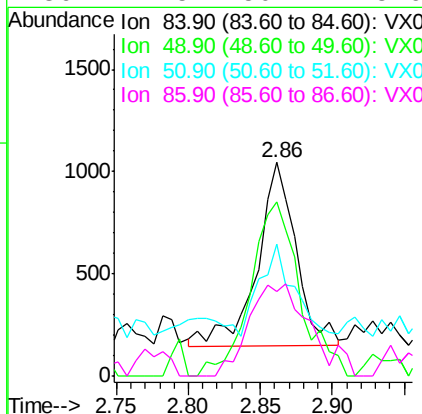
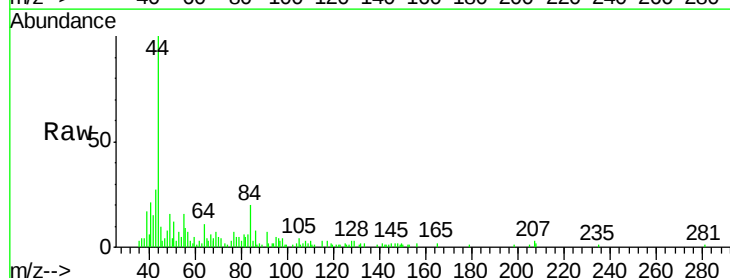
Instrument :
MSVOA_X
ClientSampleId :
KMGSBRIDGE-TRIPBLANK#2-5-18-

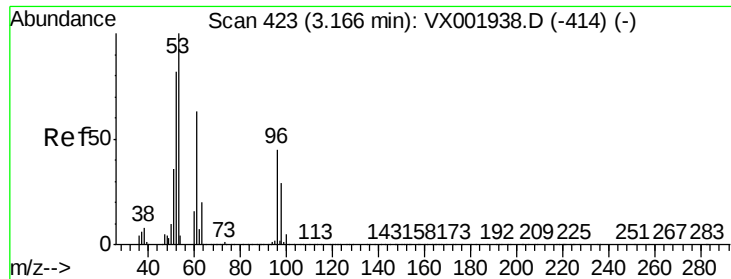
Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
74 21.9 16.8 25.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001984.D
Acq: 25 May 2018 18:23

Tgt Ion: 84 Resp: 1685
Ion Ratio Lower Upper
84 100
49 97.8 107.2 160.8#
51 50.4 32.4 48.6#
86 47.5 50.4 75.6#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

KMGSRIDGE-TRIPBLANK#2-5-18-

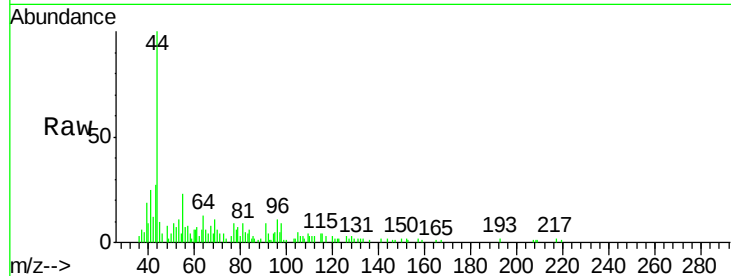
Tgt Ion: 96 Resp: 631

Ion Ratio Lower Upper

96 100

61 73.9 113.3 169.9#

98 60.7 51.7 77.5



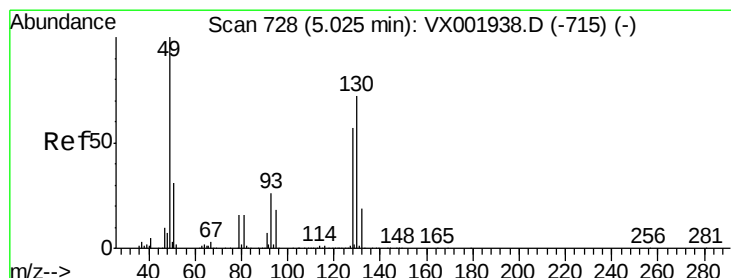
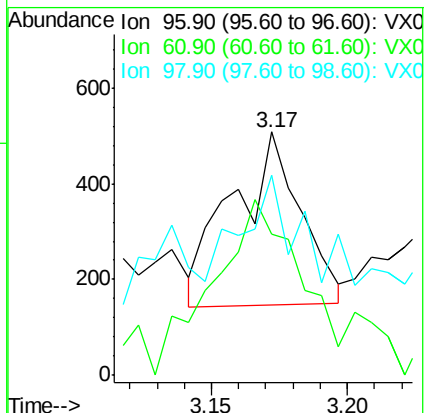
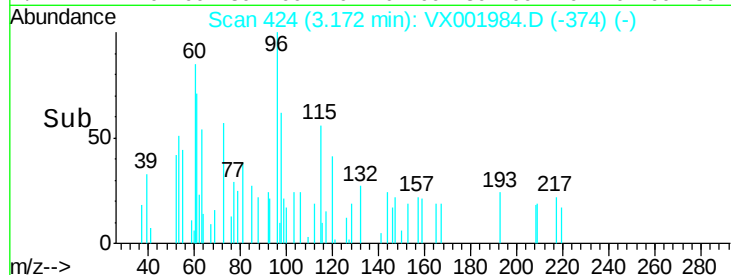
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Time-->

3.15 3.20



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

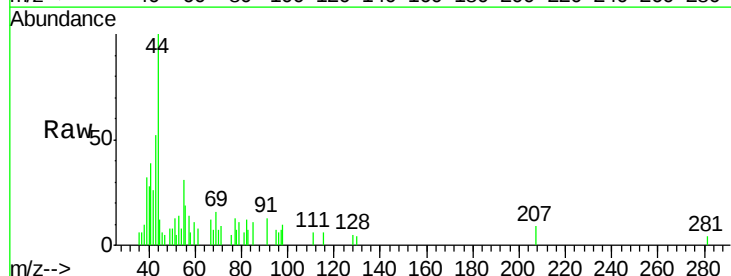
Tgt Ion: 49 Resp: 112

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 17.9 59.4 89.2#



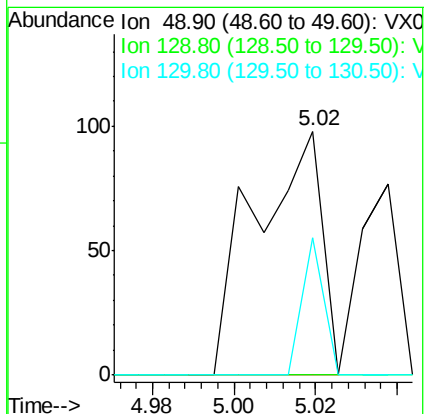
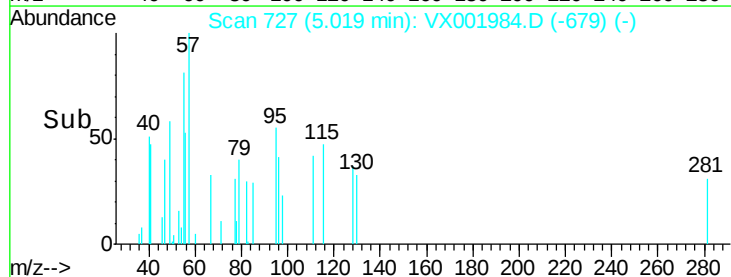
Abundance Ion 48.90 (48.60 to 49.60): VX0

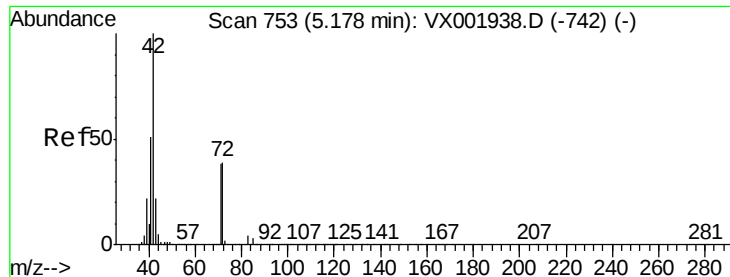
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->

4.98 5.00 5.02





#29

Tetrahydrofuran

Concen: 0.36 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

KMGsBRIDGE-TRIPBLANK#2-5-18-

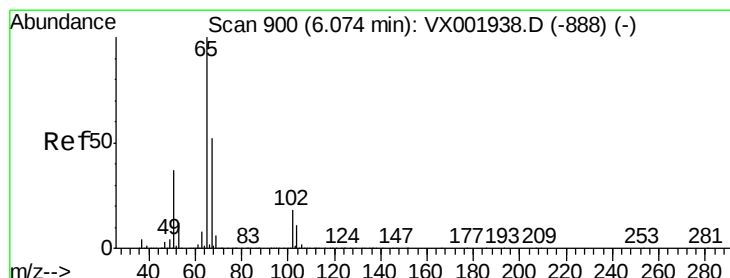
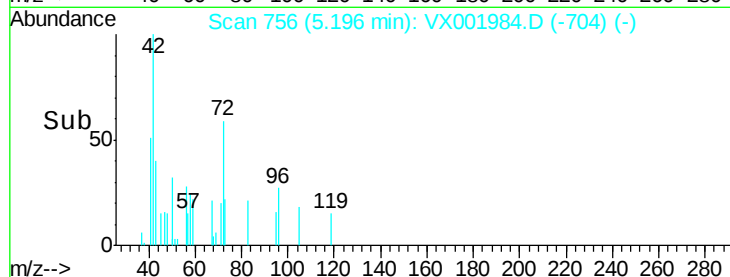
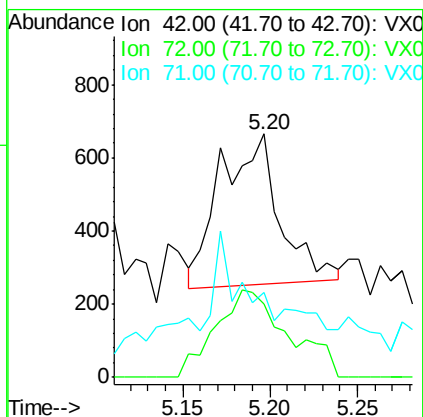
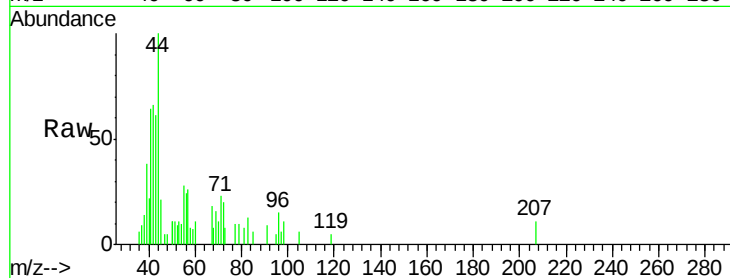
Tgt Ion: 42 Resp: 972

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 0.0 29.5 44.3#



#33

1,2-Dichloroethane-d4

Concen: 50.55 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001984.D

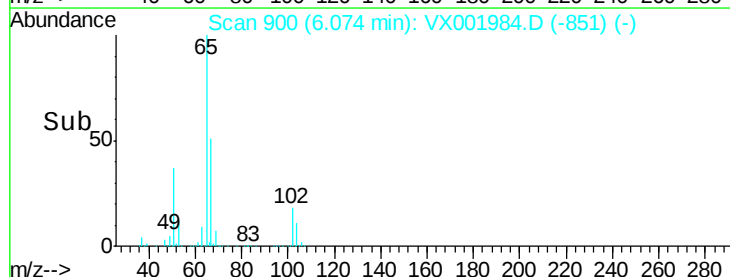
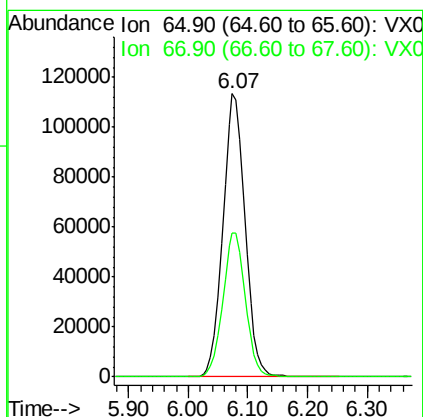
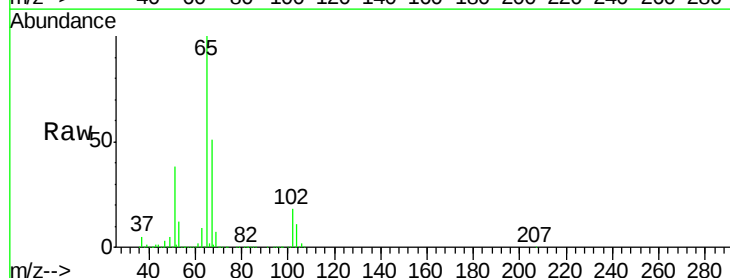
Acq: 25 May 2018 18:23

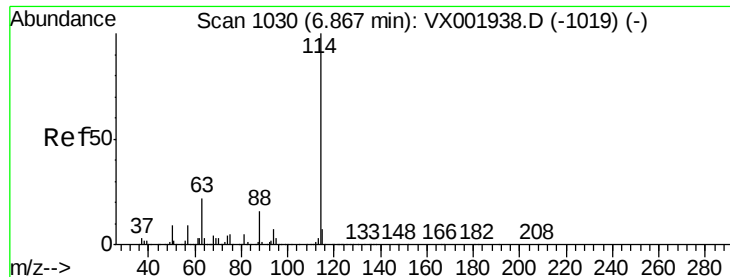
Tgt Ion: 65 Resp: 294142

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

KMGsBRIDGE-TRIPBLANK#2-5-18-

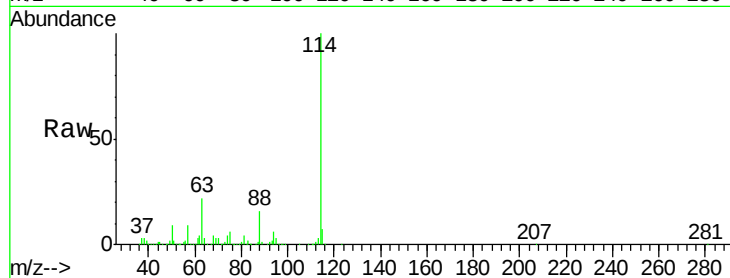
Tgt Ion:114 Resp: 489466

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

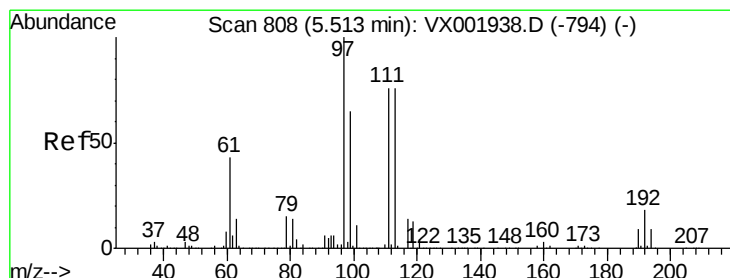
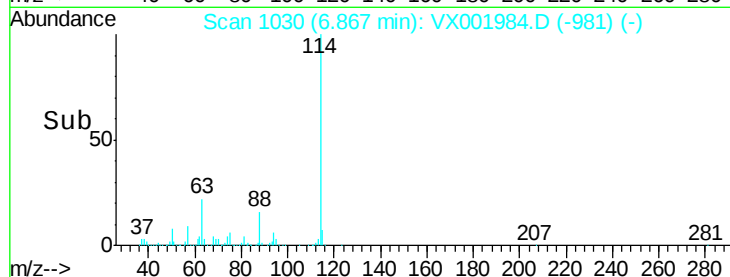
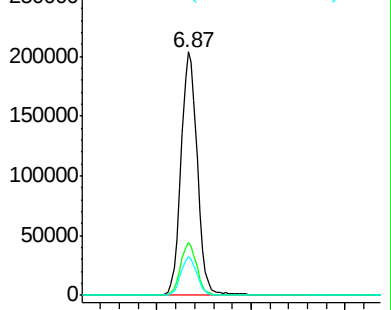
88 15.9 0.0 31.6



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: 46.70 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

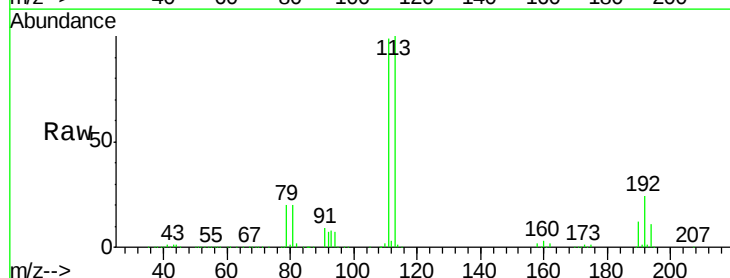
Tgt Ion:113 Resp: 228603

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

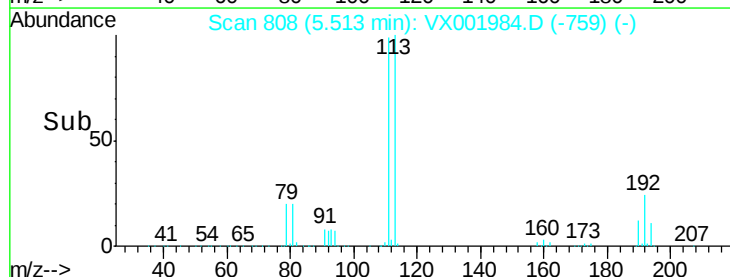
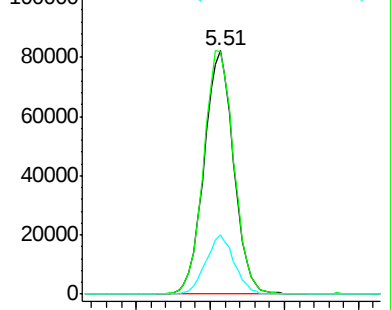
192 23.6 18.9 28.3

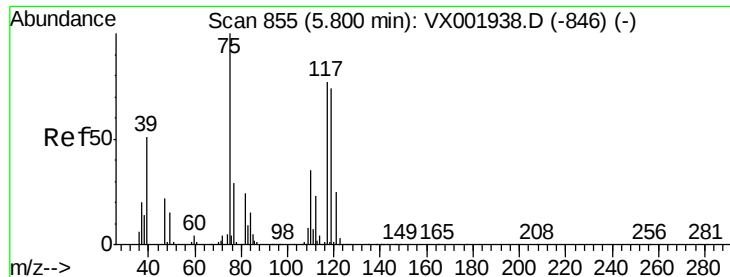


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

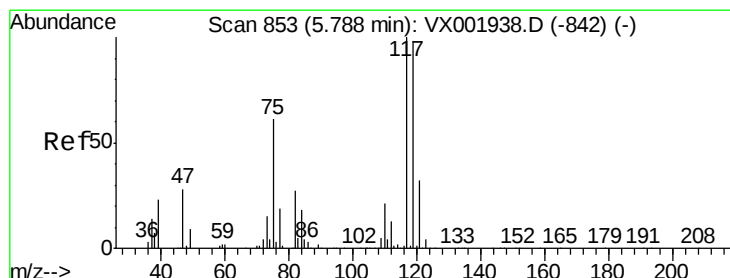
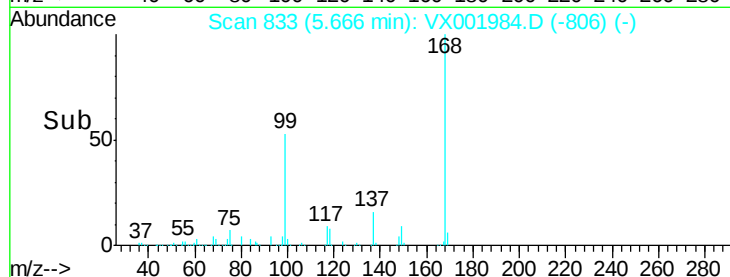
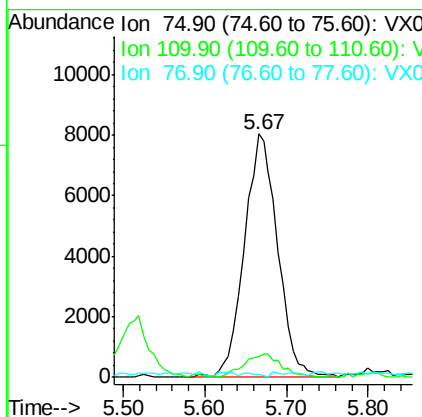
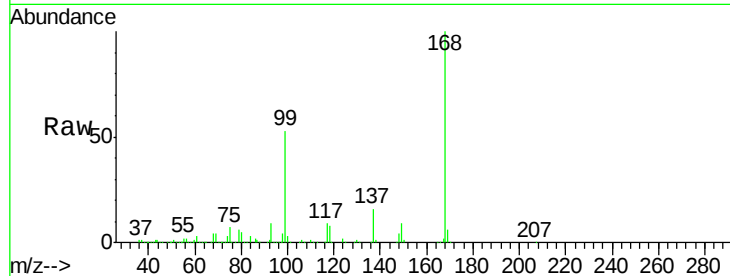




#36
 1,1-Dichloropropene
 Concen: 3.35 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX001984.D
 Acq: 25 May 2018 18:23

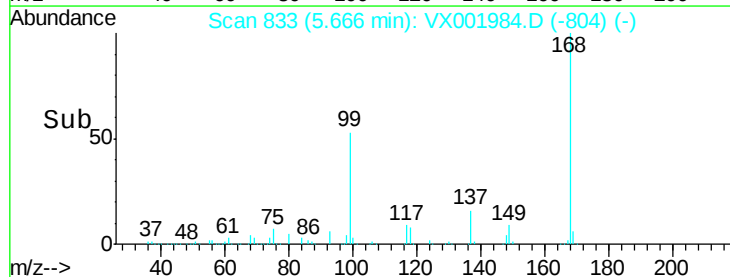
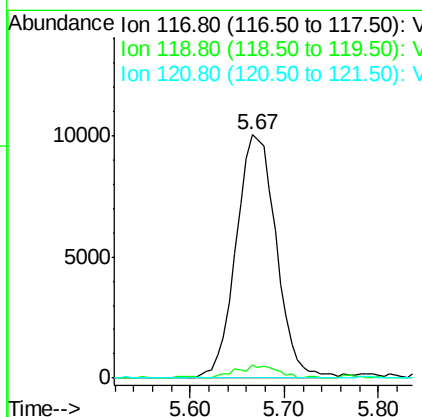
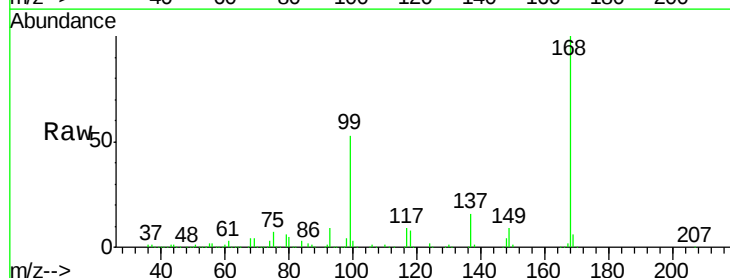
Instrument :
 MSVOA_X
 ClientSampleId :
 KMGSBRIDGE-TRIPBLANK#2-5-18-

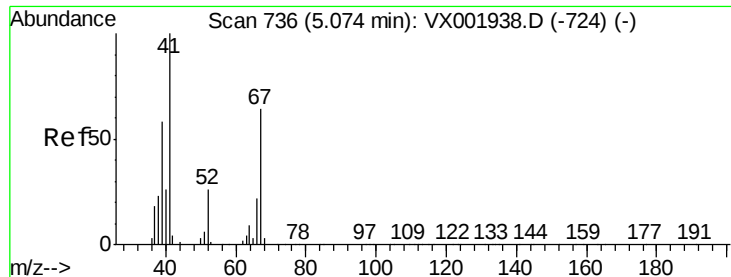
Tgt Ion: 75 Resp: 22829
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.4 52.2#
 77 0.9 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 3.76 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001984.D
 Acq: 25 May 2018 18:23

Tgt Ion: 117 Resp: 29838
 Ion Ratio Lower Upper
 117 100
 119 5.4 78.5 117.7#
 121 0.0 25.5 38.3#

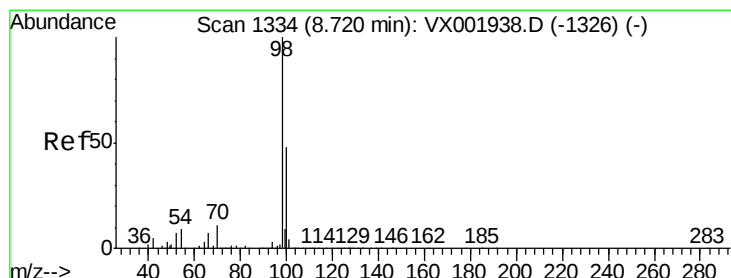
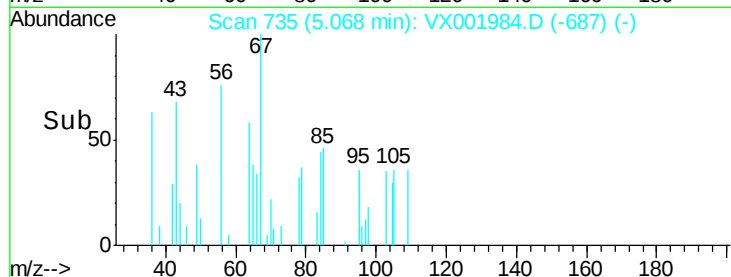
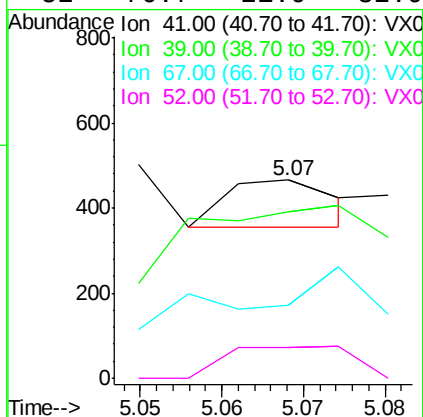
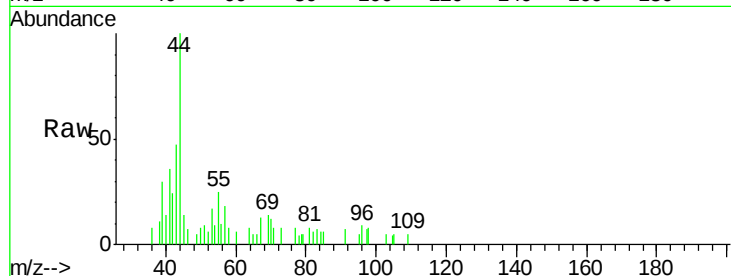




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001984.D
Acq: 25 May 2018 18:23

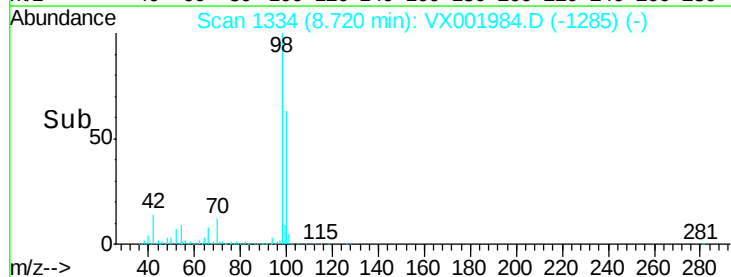
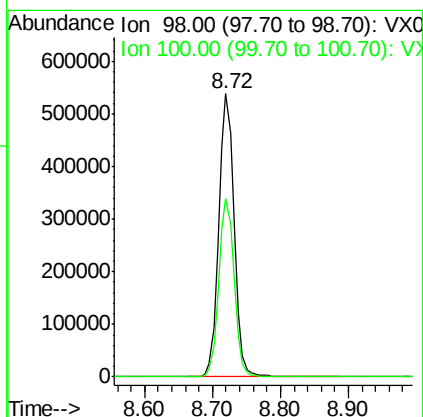
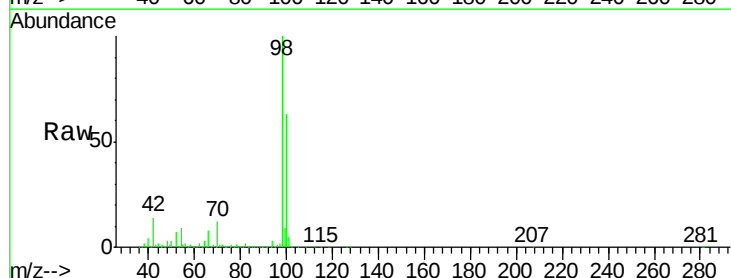
Instrument :
MSVOA_X
ClientSampleId :
KMGSBRIDGE-TRIPBLANK#2-5-18-

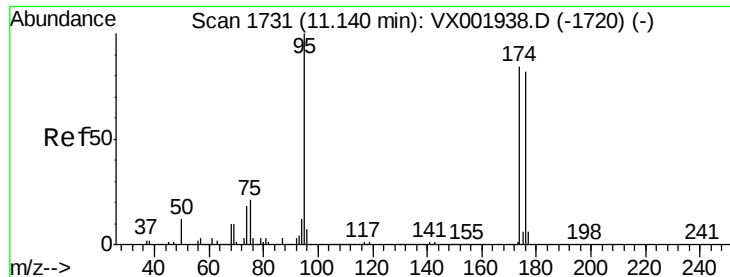
Tgt Ion:	41	Resp:	103
Ion	Ratio	Lower	Upper
41	100		
39	380.6	46.0	69.0#
67	221.4	50.6	75.8#
52	76.7	21.9	32.9#



#50
Toluene-d8
Concen: 47.39 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001984.D
Acq: 25 May 2018 18:23

Tgt Ion:	98	Resp:	839827
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.5	77.3





#62

4-Bromofluorobenzene

Concen: 45.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

KMGsBRIDGE-TRIPBLANK#2-5-18-

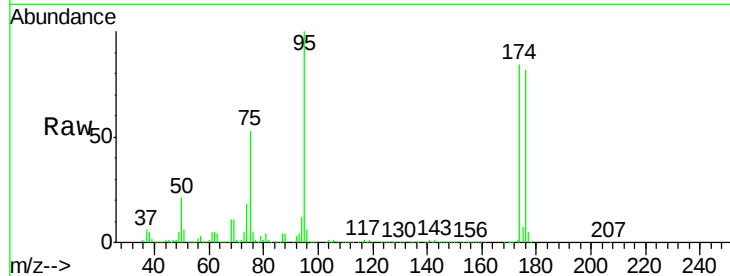
Tgt Ion: 95 Resp: 313458

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.8

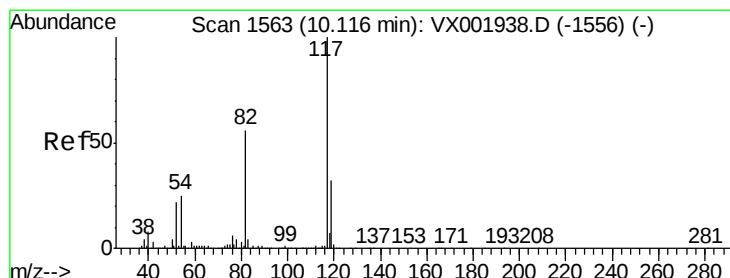
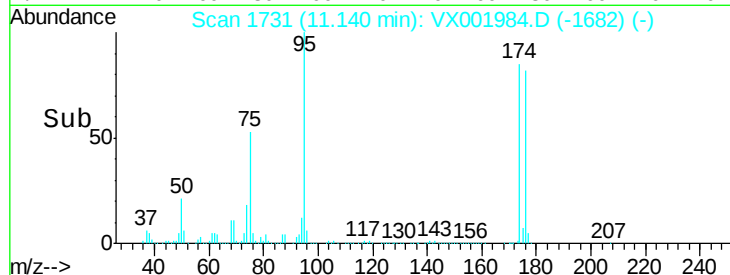
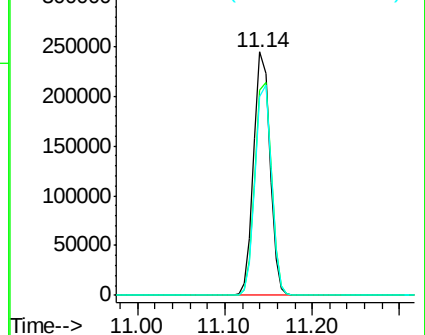
176 87.4 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

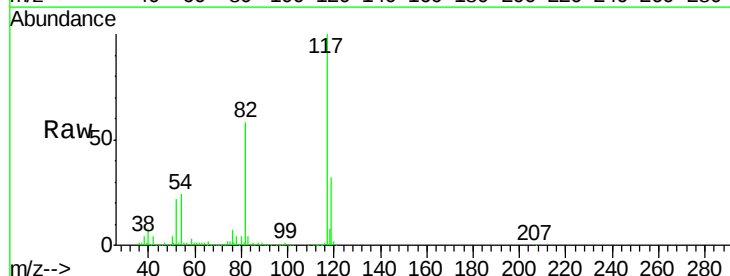
Tgt Ion: 117 Resp: 446587

Ion Ratio Lower Upper

117 100

82 57.7 44.8 67.2

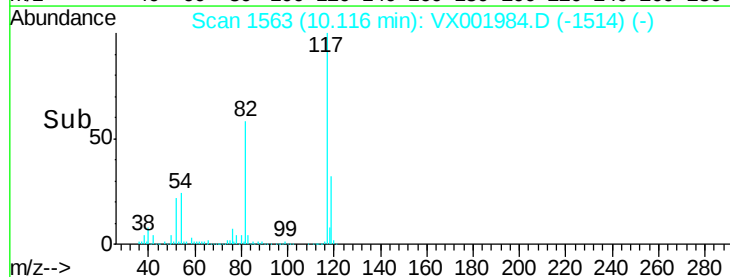
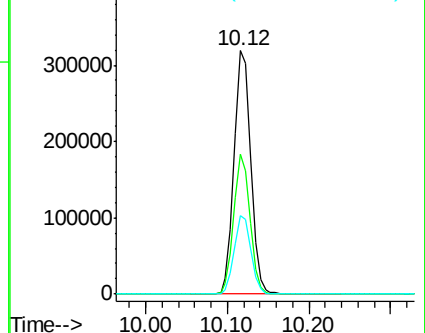
119 32.2 25.5 38.3

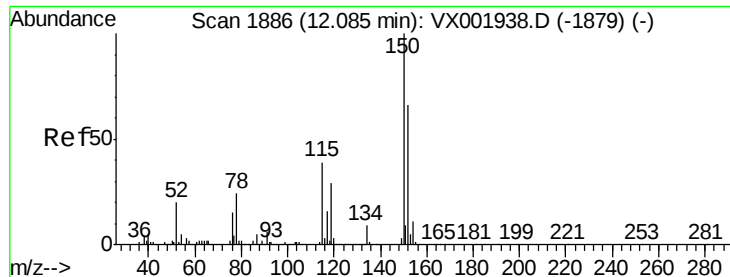


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



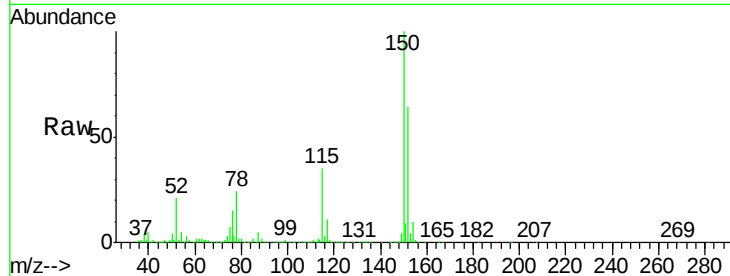


#72

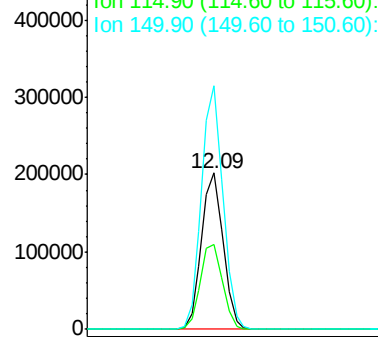
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001984.D
Acq: 25 May 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
KMGSBRIDGE-TRIPBLANK#2-5-18-

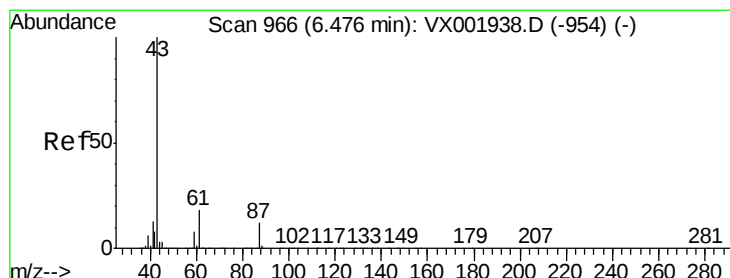
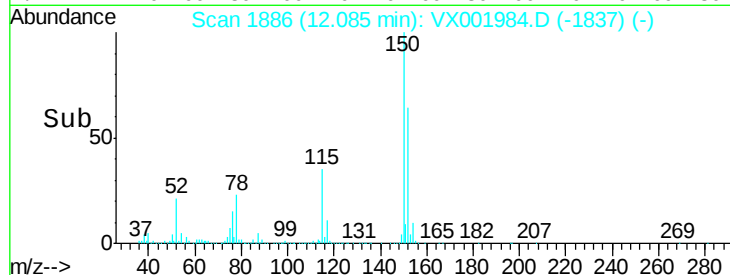
Tgt Ion:152 Resp: 247127
Ion Ratio Lower Upper
152 100
115 55.5 42.3 126.8
150 154.3 0.0 351.0



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



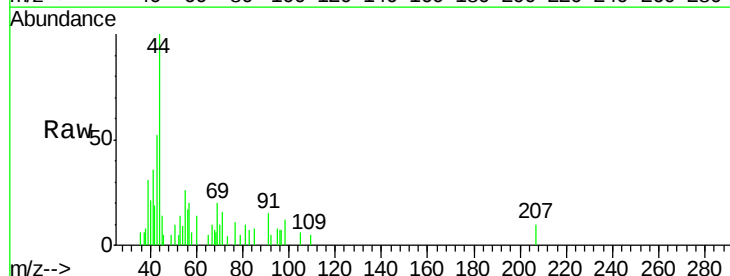
Time--> 12.00 12.10 12.20



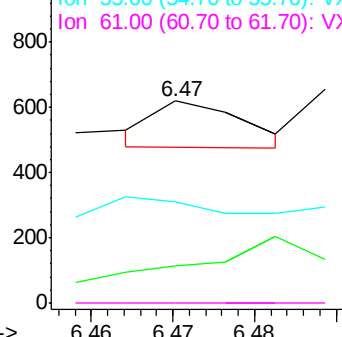
#74

N-ethyl acetate
Concen: Below Cal
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX001984.D
Acq: 25 May 2018 18:23

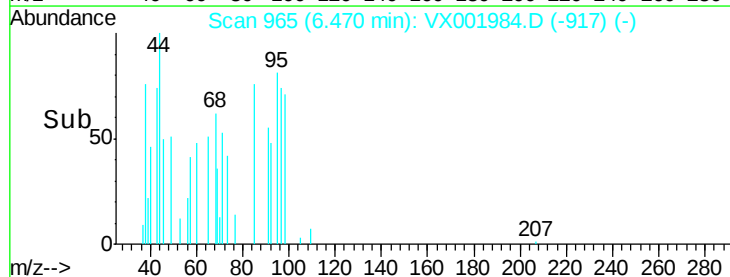
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
70 0.0 0.1 0.1#
55 0.0 0.1 0.1#
61 0.0 14.5 21.7#

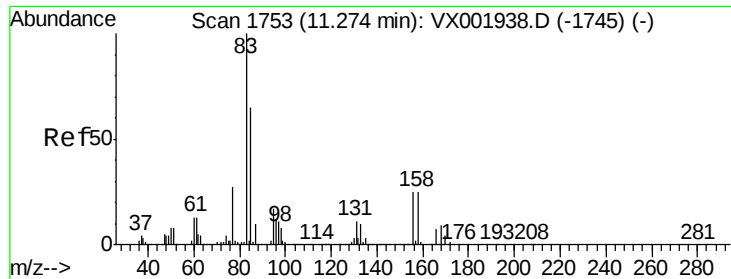


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



Time--> 6.46 6.47 6.48





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.09 min Scan# 1723

Delta R.T. -0.18 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

KMGsBRIDGE-TRIPBLANK#2-5-18-

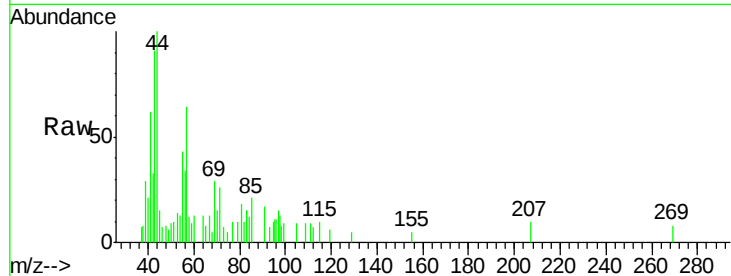
Tgt Ion: 83 Resp: 181

Ion Ratio Lower Upper

83 100

131 10.5 5.7 17.0

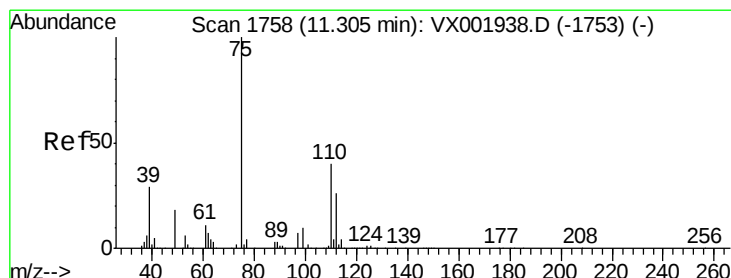
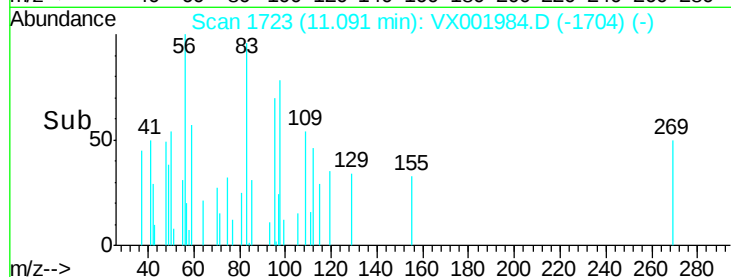
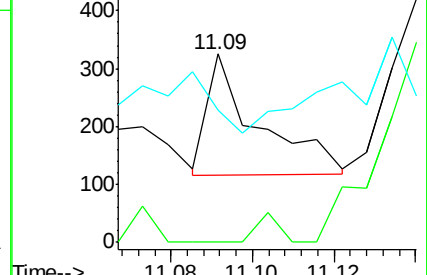
85 92.8 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001984.D

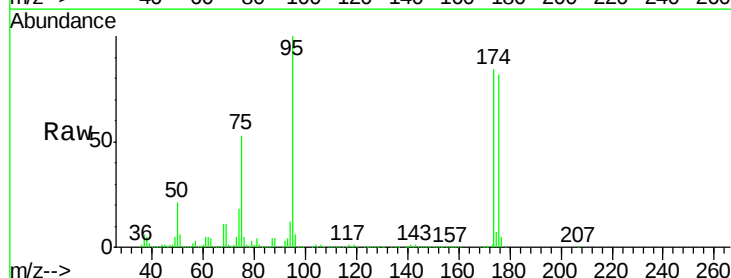
Acq: 25 May 2018 18:23

Tgt Ion: 75 Resp: 162955

Ion Ratio Lower Upper

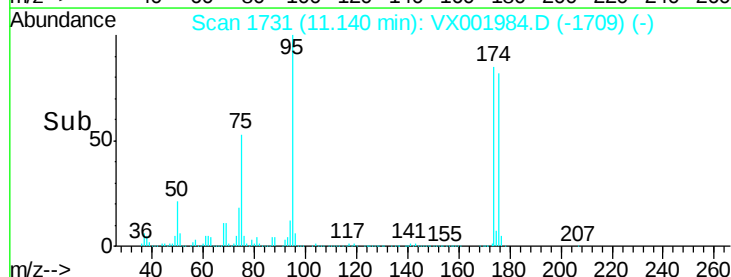
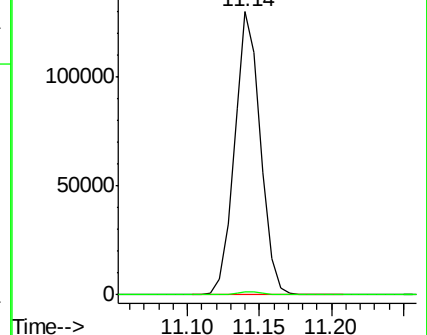
75 100

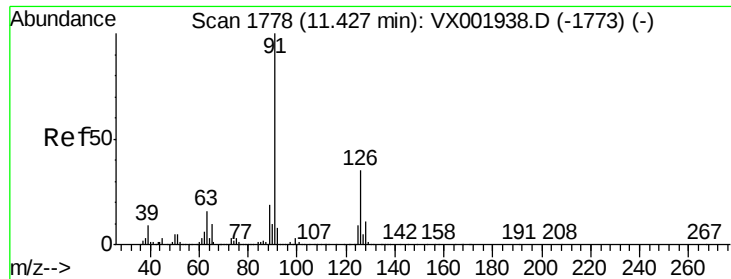
77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

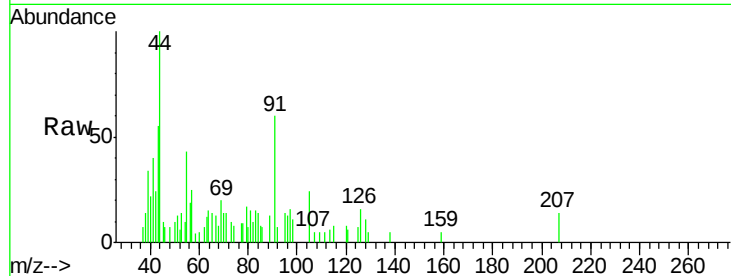
KMGsBRIDGE-TRIPBLANK#2-5-18-

Tgt Ion: 91 Resp: 935

Ion Ratio Lower Upper

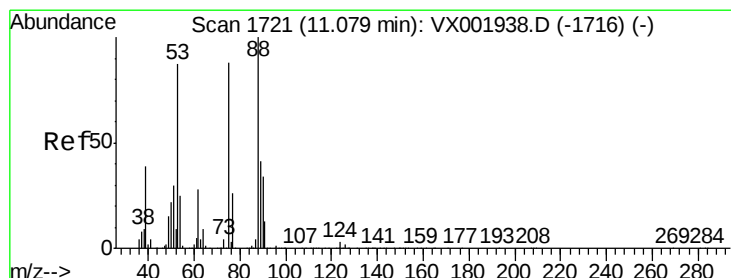
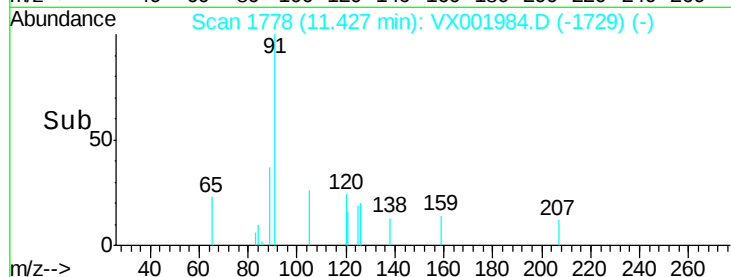
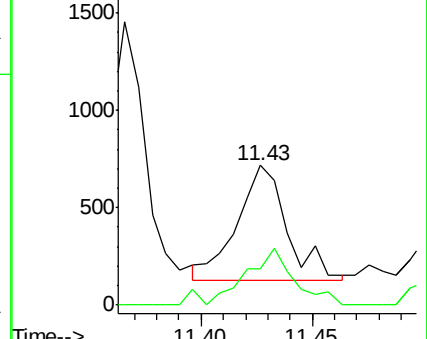
91 100

126 47.1 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 65.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001984.D

Acq: 25 May 2018 18:23

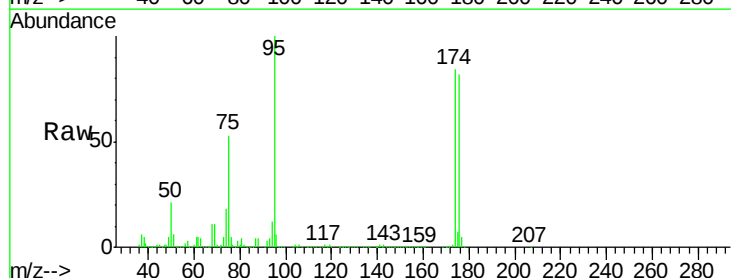
Tgt Ion: 75 Resp: 162955

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

