

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003599.D
 Acq On : 23 Jul 2018 12:56
 Operator : JC/SP
 Sample : J4083-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 24 01:41:07 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	242904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	361435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183643	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	155633	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
35) Dibromofluoromethane	5.51	113	139338	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	8.72	98	513337	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	11.14	95	170146	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	

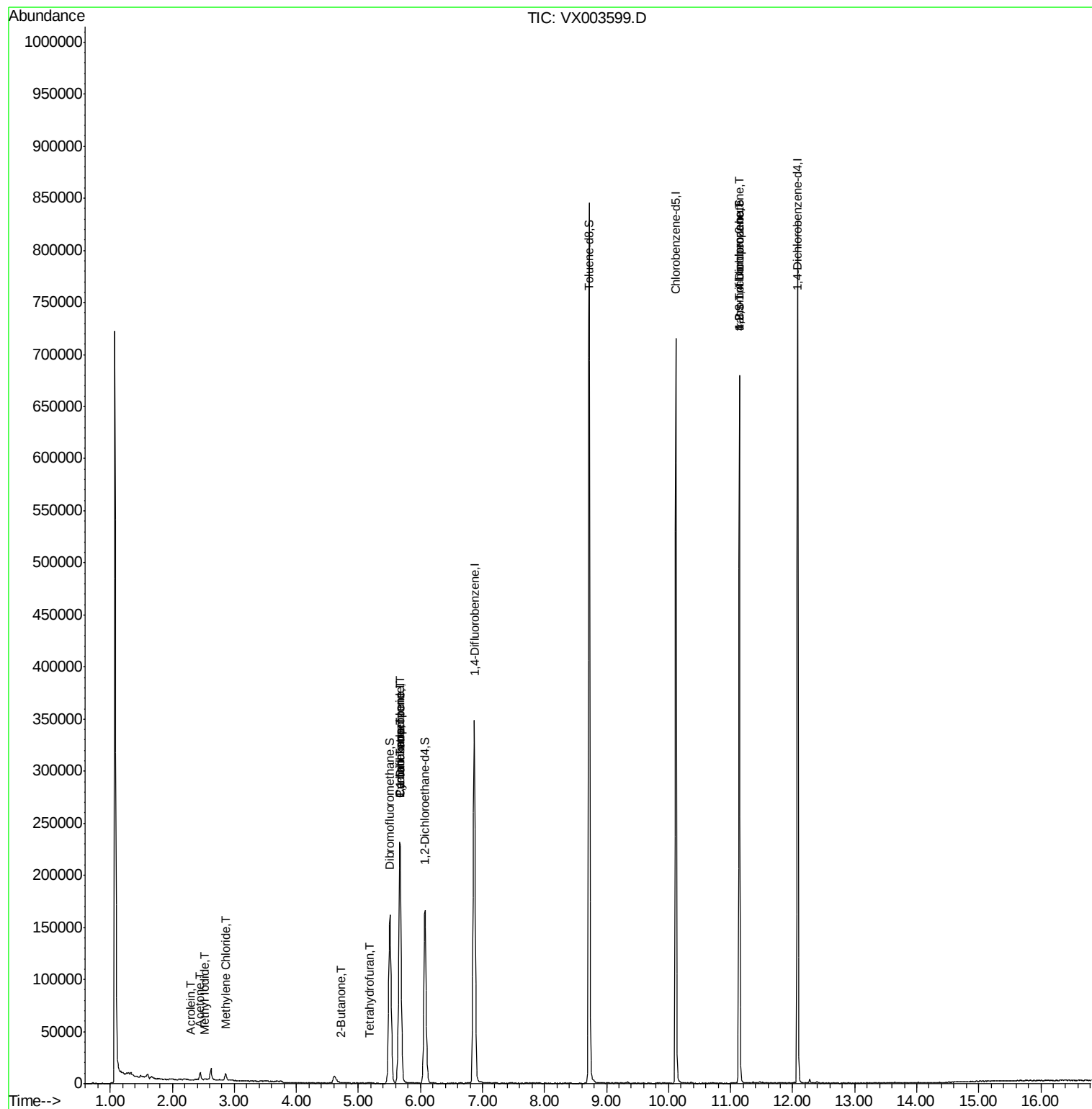
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	85	Below Cal	#	43
3) Chloromethane	1.32	50	1303	Below Cal		95
5) Bromomethane	1.67	94	1422	Below Cal		82
10) Methyl Iodide	2.53	142	1073	0.331	ug/l	93
13) Acrolein	2.30	56	103	0.401	ug/l	98
16) Acetone	2.45	43	7546	6.948	ug/l #	87
20) Methylene Chloride	2.86	84	2922	0.238	ug/l	85
25) 2-Butanone	4.72	43	506	0.278	ug/l #	52
29) Tetrahydrofuran	5.18	42	745	0.619	ug/l	95
31) Cyclohexane	5.67	56	4194	0.968	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15390	3.944	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21148	5.525	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	78782	23.880	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	78782	66.978	ug/l #	7

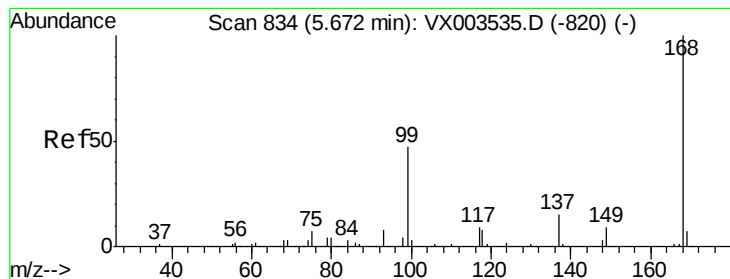
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003599.D

Acq: 23 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

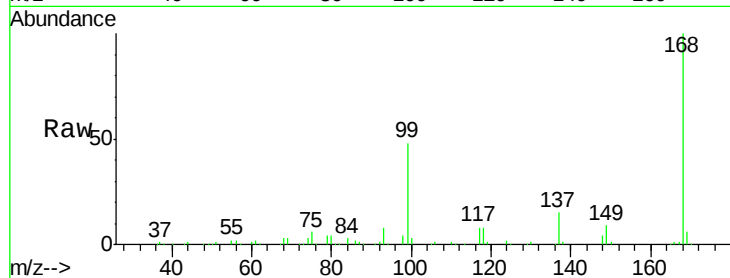
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Tgt Ion:168 Resp: 242904

Ion Ratio Lower Upper

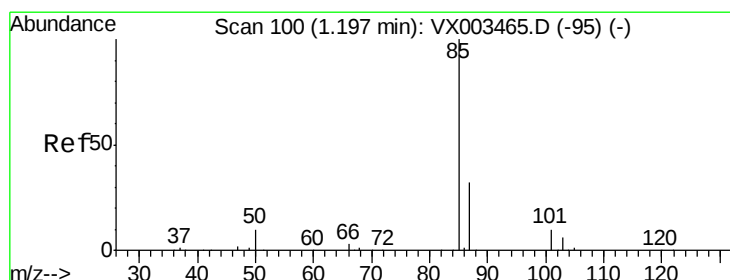
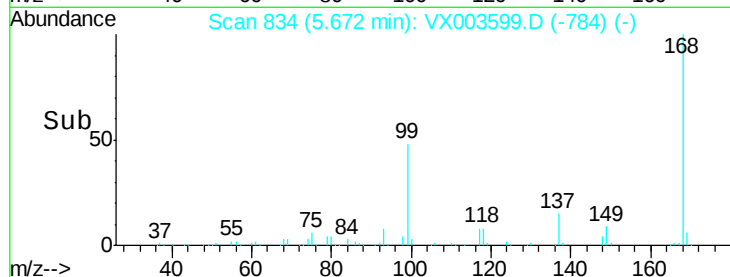
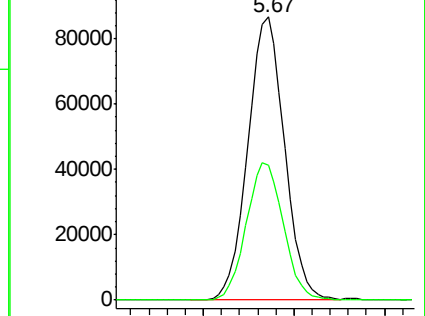
168 100

99 47.6 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: VX003599.D

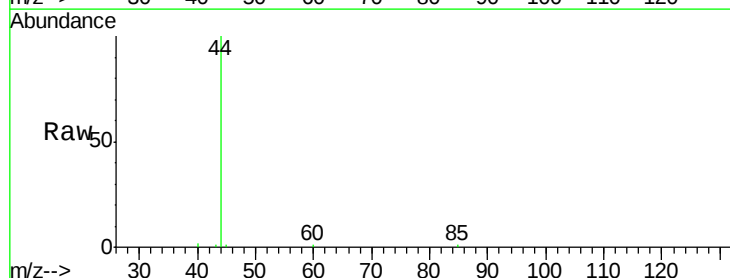
Acq: 23 Jul 2018 12:56

Tgt Ion: 85 Resp: 85

Ion Ratio Lower Upper

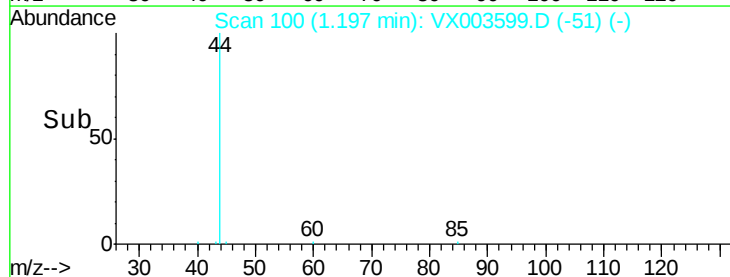
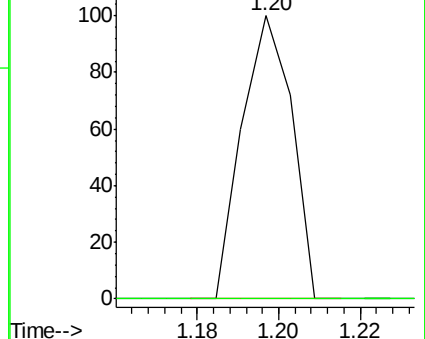
85 100

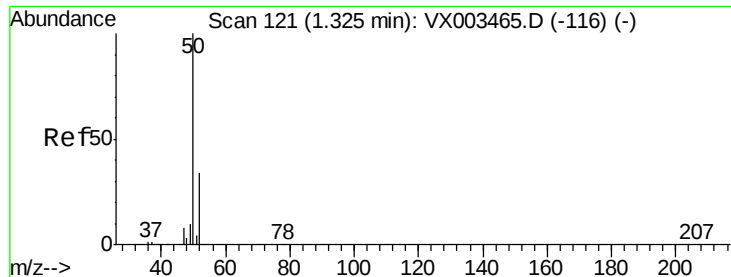
87 0.0 16.0 47.9#



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: VX003599.D

Acq: 23 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

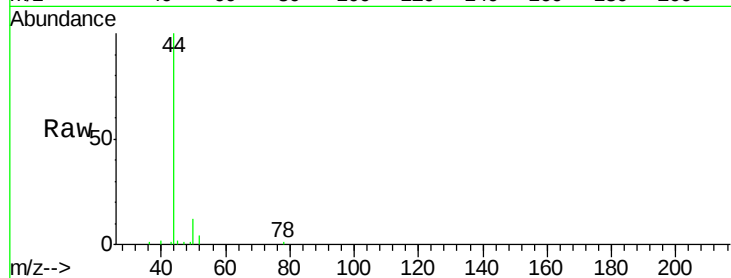
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Tgt Ion: 50 Resp: 1303

Ion Ratio Lower Upper

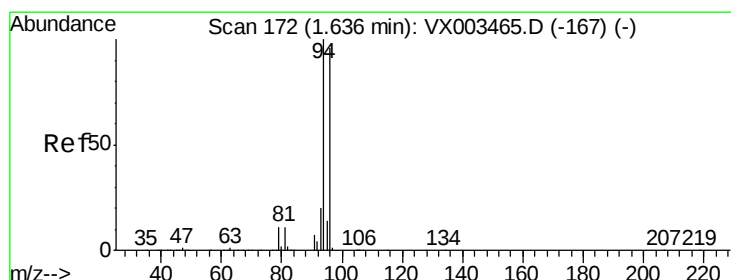
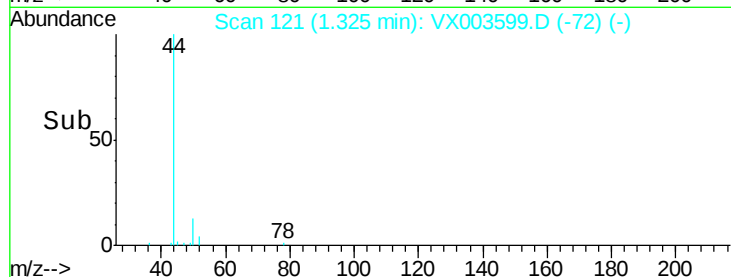
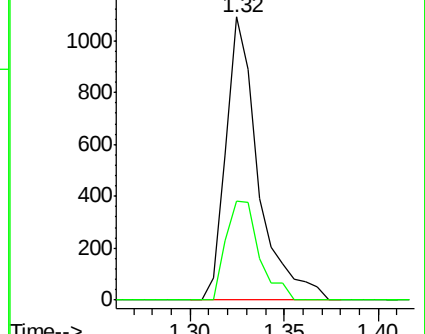
50 100

52 35.1 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: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003599.D

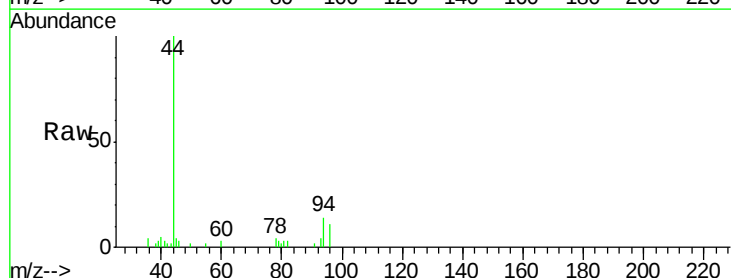
Acq: 23 Jul 2018 12:56

Tgt Ion: 94 Resp: 1422

Ion Ratio Lower Upper

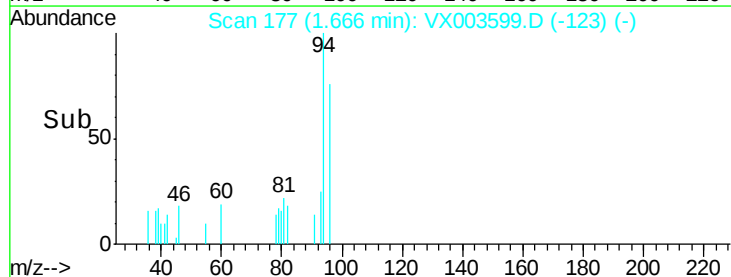
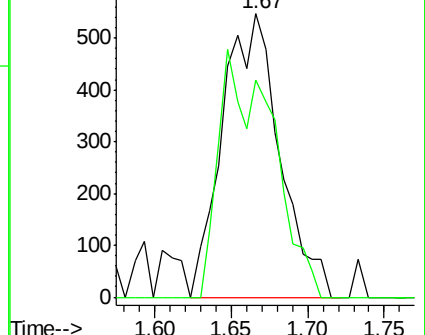
94 100

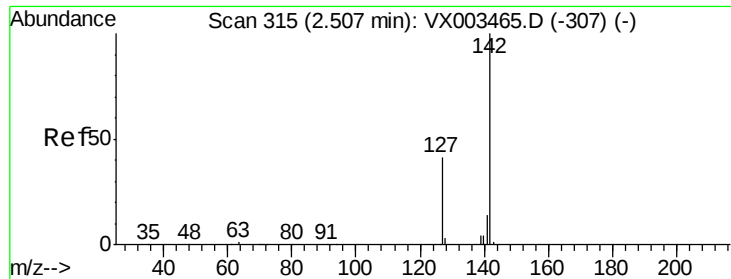
96 76.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

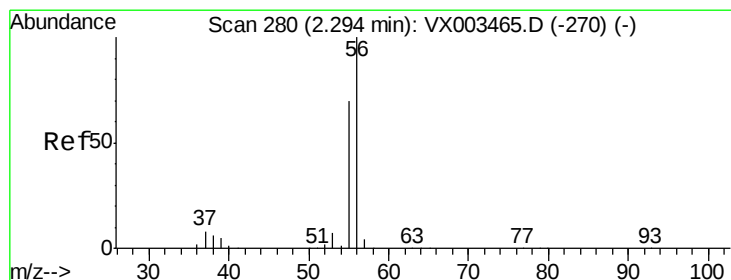
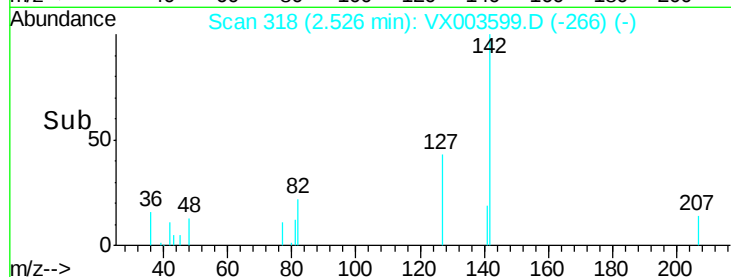
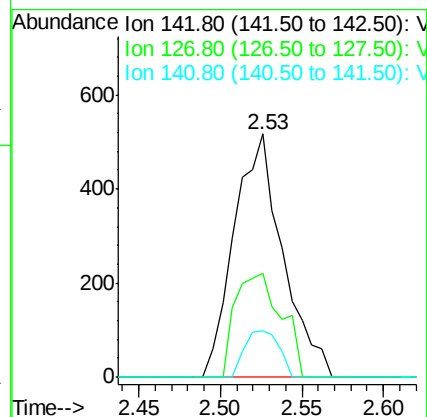
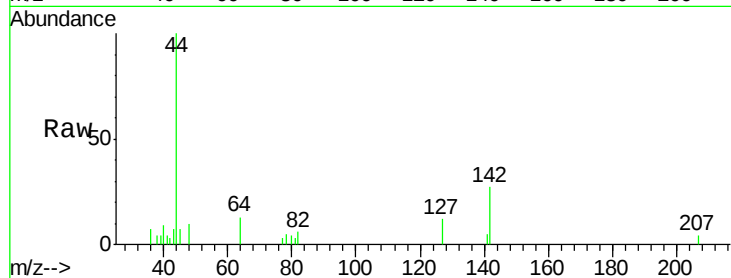




#10
Methyl Iodide
Concen: 0.331 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX003599.D
Acq: 23 Jul 2018 12:56

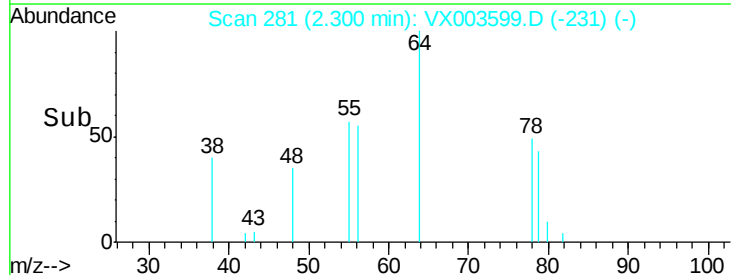
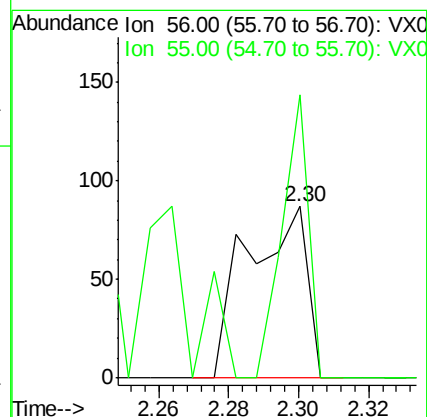
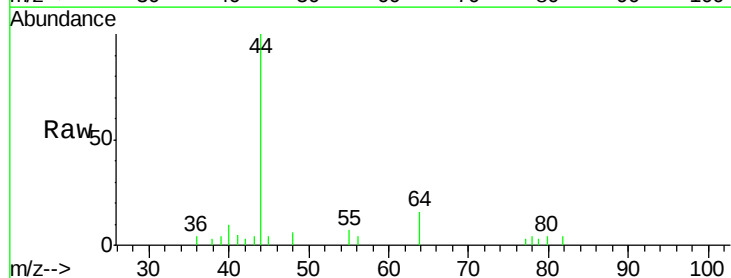
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

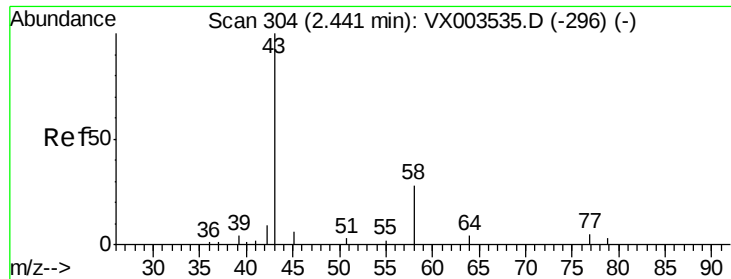
Tgt Ion: 142 Resp: 1073
Ion Ratio Lower Upper
142 100
127 40.4 36.6 55.0
141 13.3 11.3 16.9



#13
Acrolein
Concen: 0.401 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003599.D
Acq: 23 Jul 2018 12:56

Tgt Ion: 56 Resp: 103
Ion Ratio Lower Upper
56 100
55 72.8 57.0 85.4





#16

Acetone

Concen: 6.948 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003599.D

Acq: 23 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

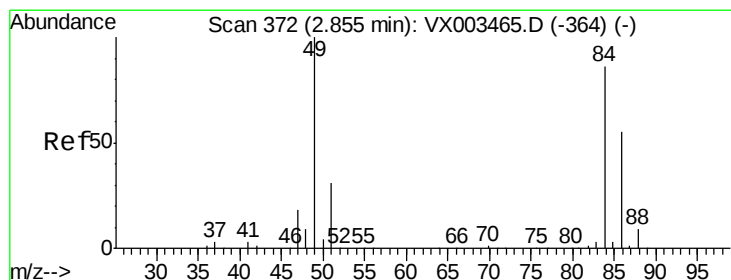
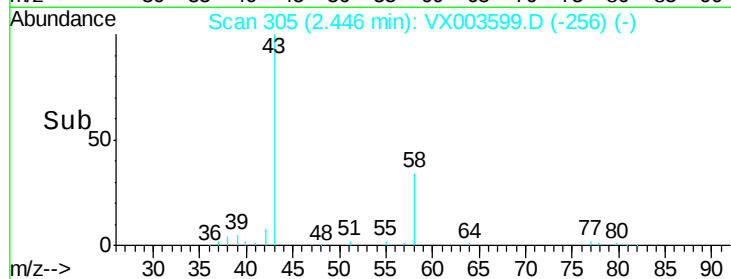
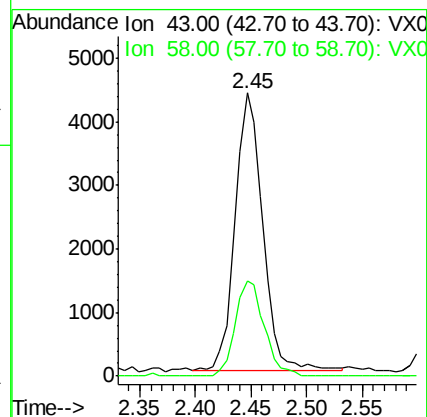
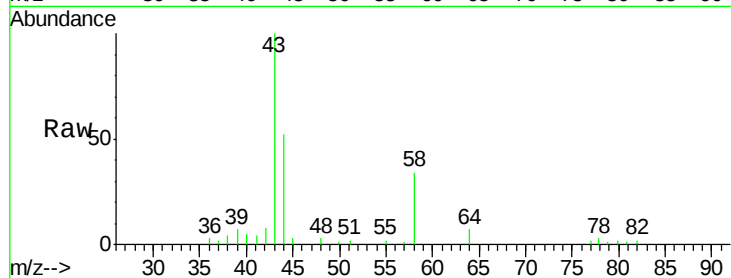
TRIP-BLANK

Tgt Ion: 43 Resp: 7546

Ion Ratio Lower Upper

43 100

58 34.3 22.1 33.1#



#20

Methylene Chloride

Concen: 0.238 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003599.D

Acq: 23 Jul 2018 12:56

Tgt Ion: 84 Resp: 2922

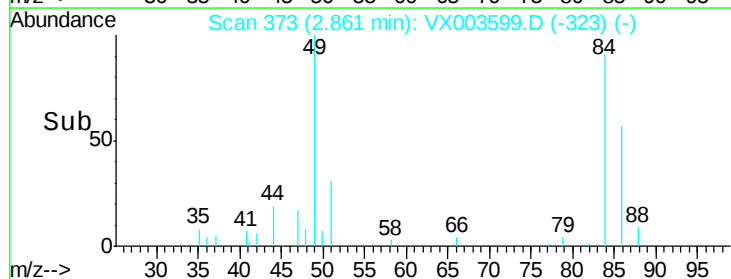
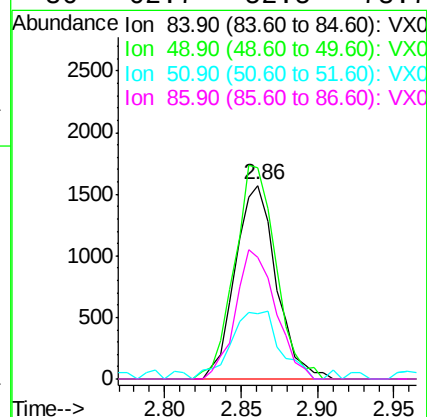
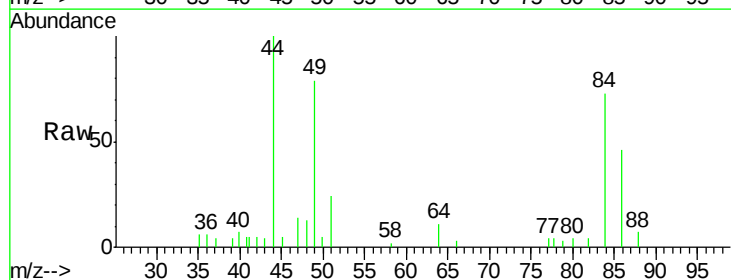
Ion Ratio Lower Upper

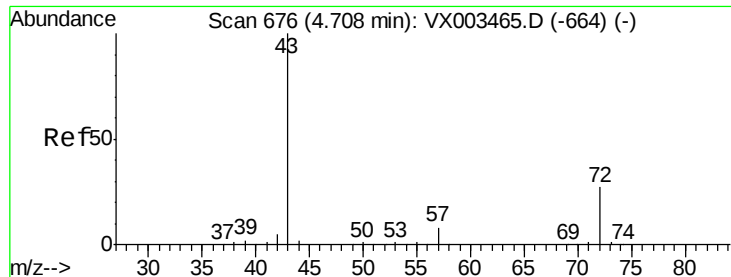
84 100

49 109.4 107.8 161.6

51 33.7 32.8 49.2

86 62.7 52.5 78.7





#25

2-Butanone

Concen: 0.278 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003599.D

Acq: 23 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampled :

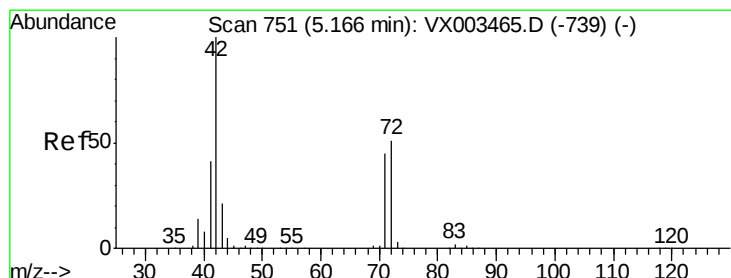
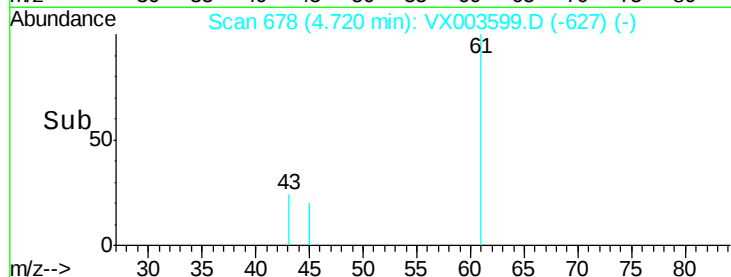
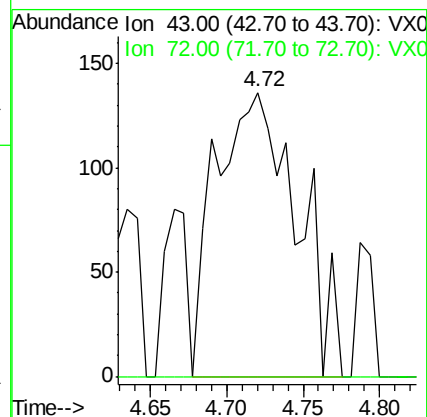
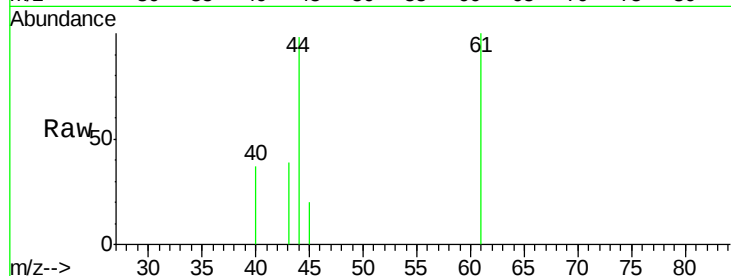
TRIP-BLANK

Tgt Ion: 43 Resp: 506

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#29

Tetrahydrofuran

Concen: 0.619 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX003599.D

Acq: 23 Jul 2018 12:56

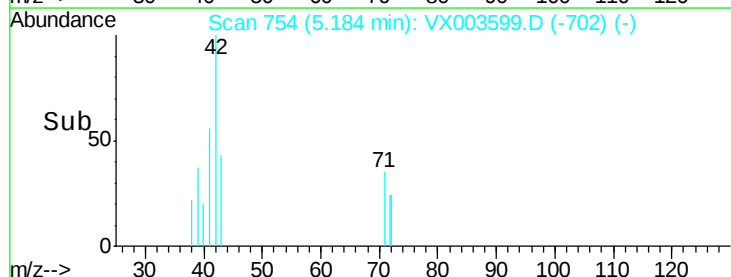
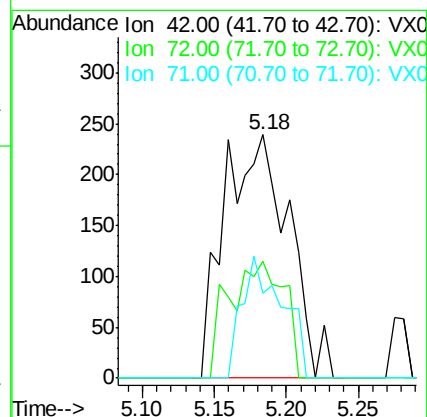
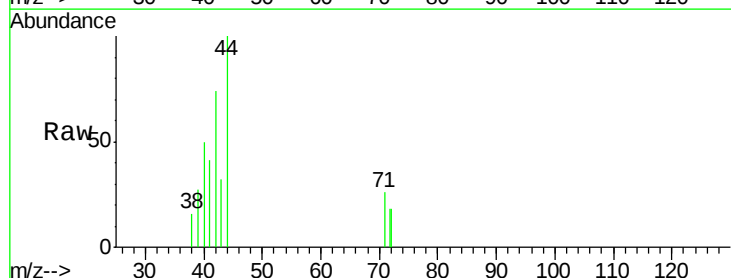
Tgt Ion: 42 Resp: 745

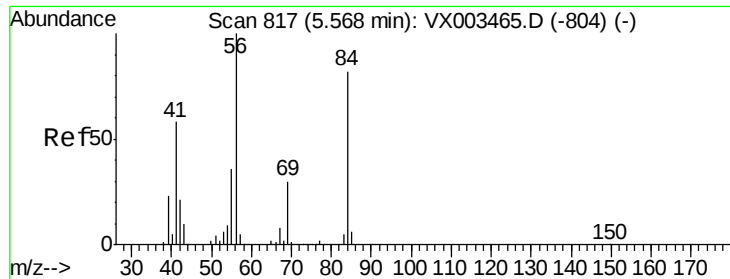
Ion Ratio Lower Upper

42 100

72 40.8 32.0 48.0

71 31.8 30.1 45.1

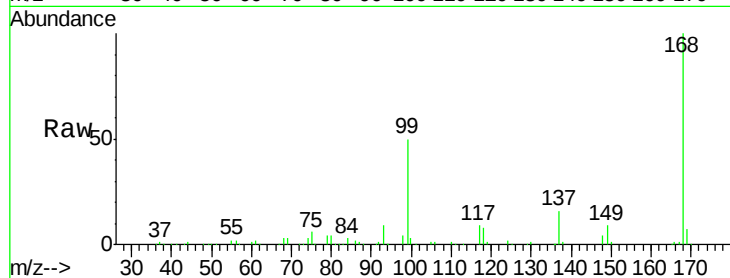




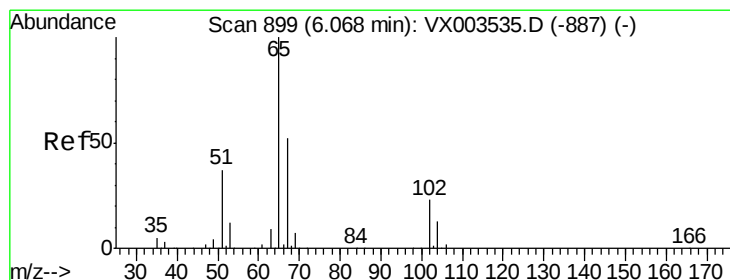
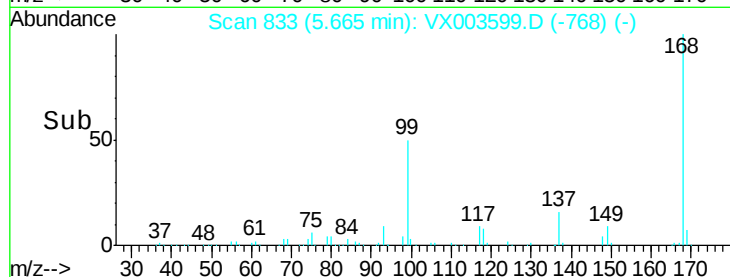
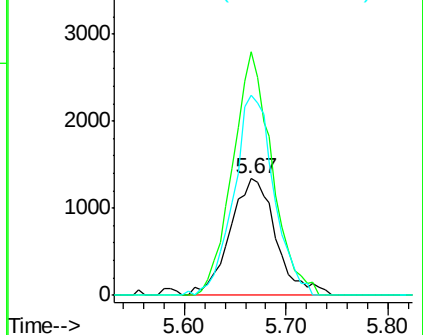
#31
Cyclohexane
Concen: 0.968 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.10 min
Lab File: VX003599.D
Acq: 23 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tgt Ion: 56 Resp: 4194
Ion Ratio Lower Upper
56 100
69 209.1 23.7 35.5#
84 171.4 64.1 96.1#

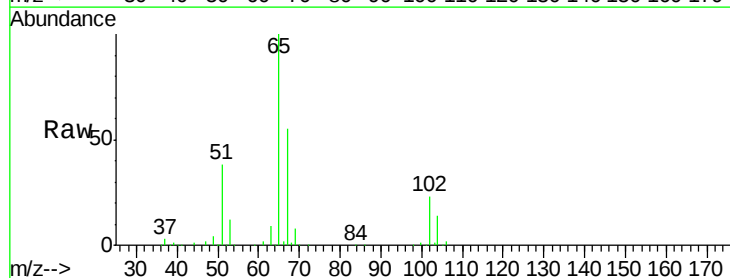


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

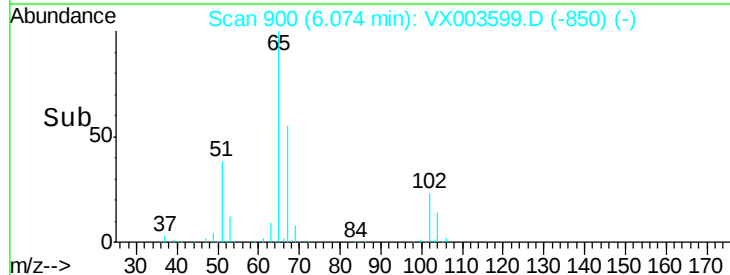
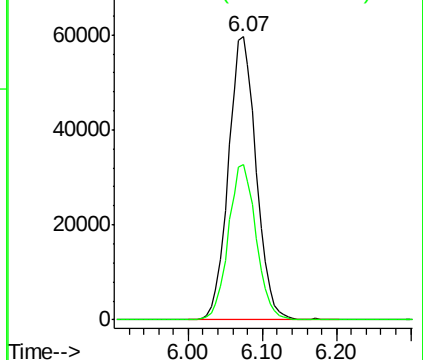


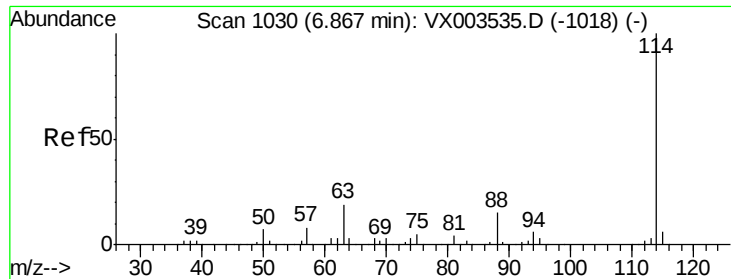
#33
1,2-Dichloroethane-d4
Concen: 54.127 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003599.D
Acq: 23 Jul 2018 12:56

Tgt Ion: 65 Resp: 155633
Ion Ratio Lower Upper
65 100
67 54.9 0.0 102.6



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

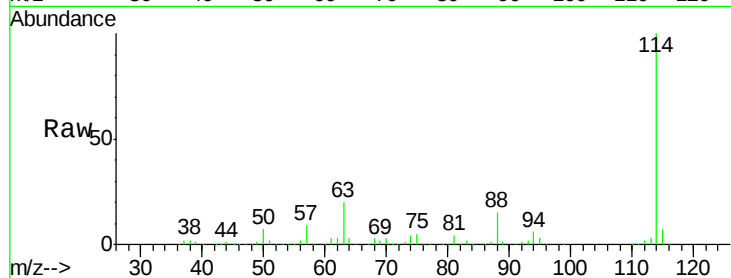




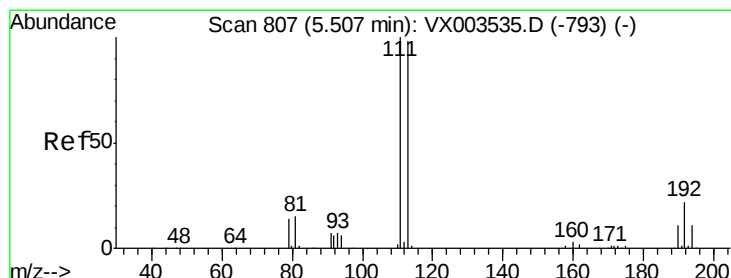
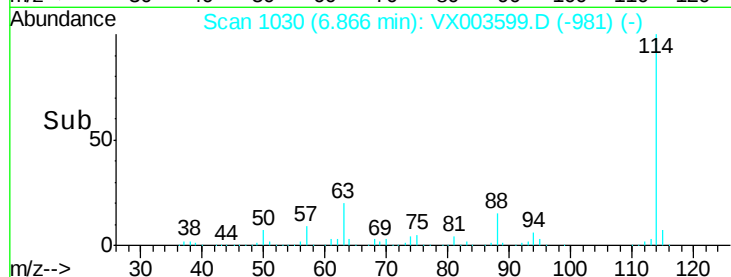
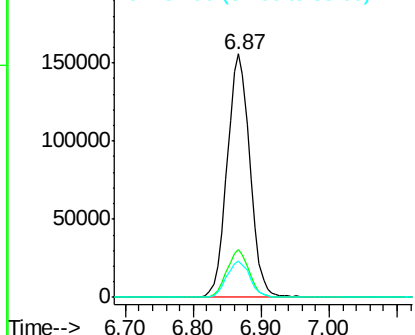
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX003599.D
Acq: 23 Jul 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tgt Ion:114 Resp: 361435
Ion Ratio Lower Upper
114 100
63 19.6 0.0 41.4
88 14.9 0.0 30.0

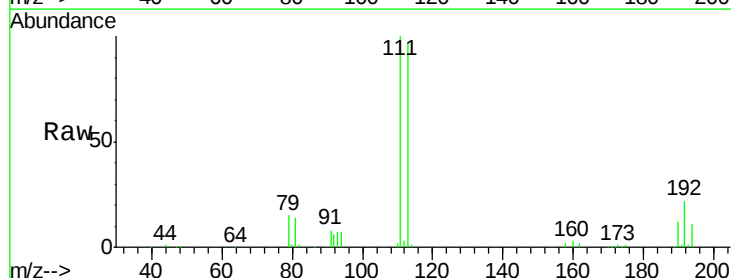


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

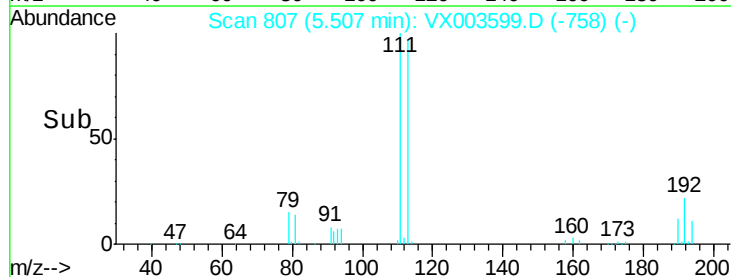
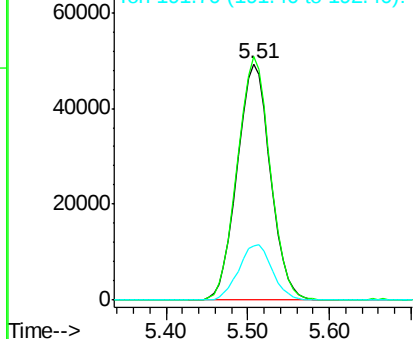


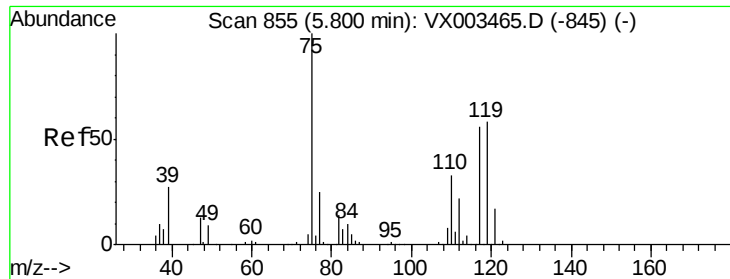
#35
Dibromofluoromethane
Concen: 50.614 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003599.D
Acq: 23 Jul 2018 12:56

Tgt Ion:113 Resp: 139338
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 23.6 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

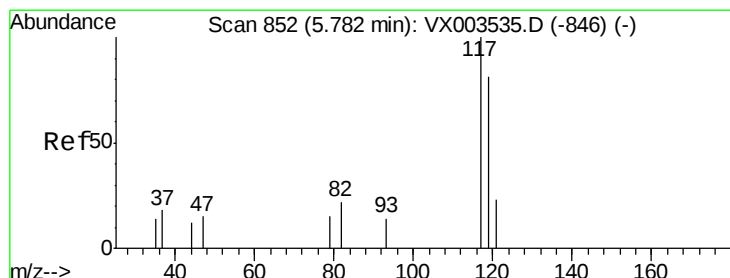
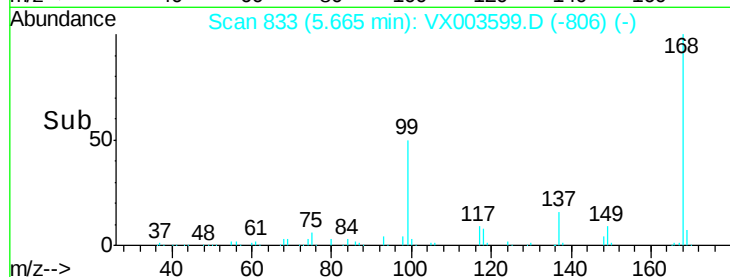
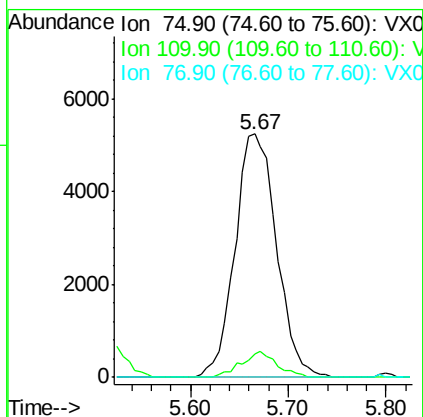
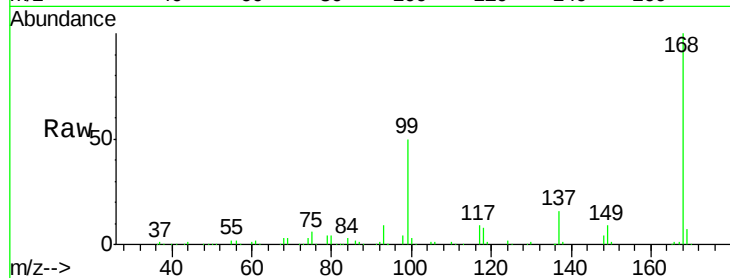




#36
 1,1-Dichloropropene
 Concen: 3.944 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003599.D
 Acq: 23 Jul 2018 12:56

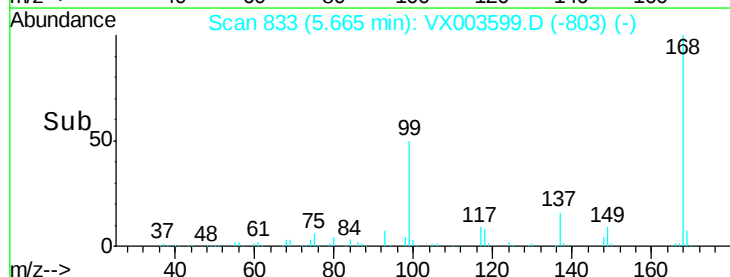
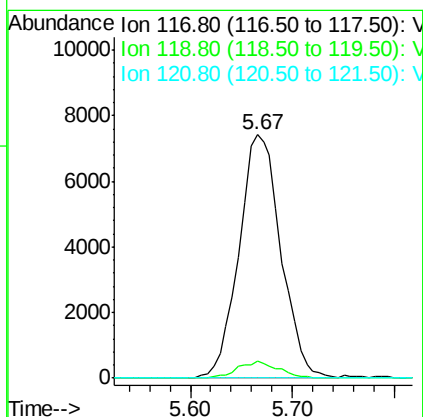
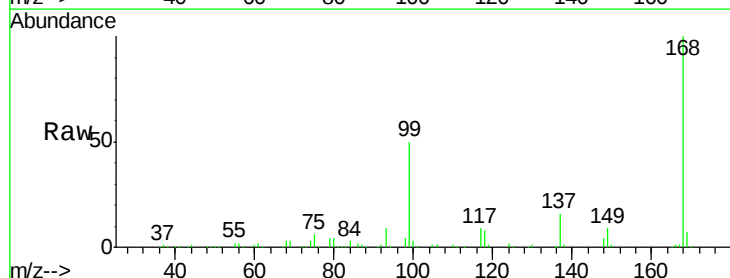
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

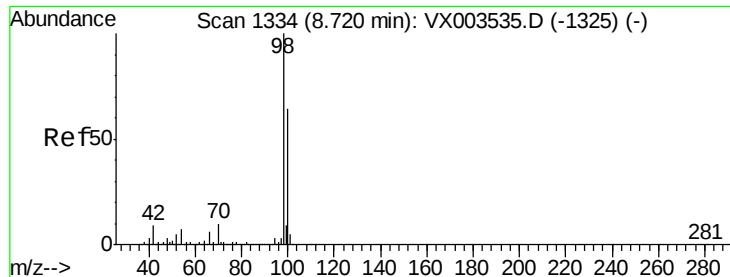
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.525 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003599.D
 Acq: 23 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	77.4	116.0#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 49.611 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003599.D

Acq: 23 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

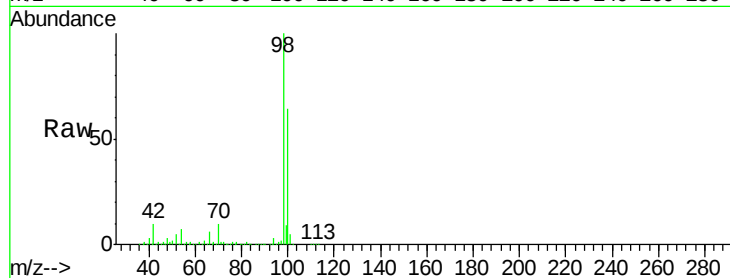
TRIP-BLANK

Tgt Ion: 98 Resp: 51337

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

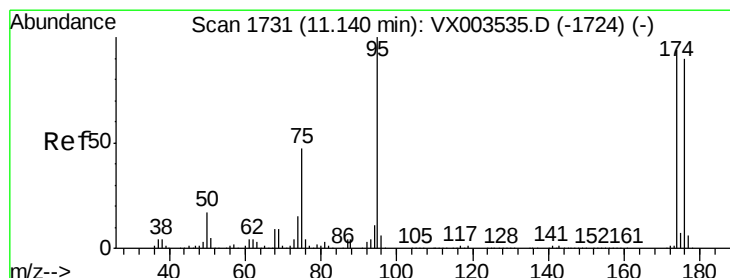
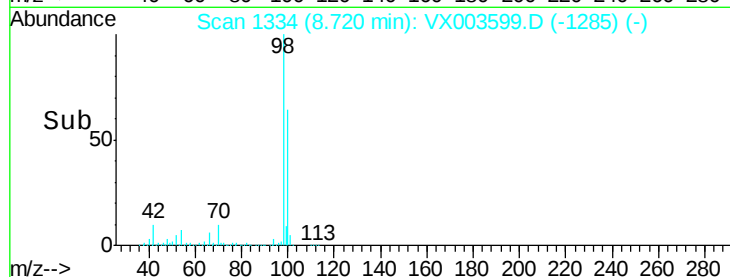
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 45.058 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003599.D

Acq: 23 Jul 2018 12:56

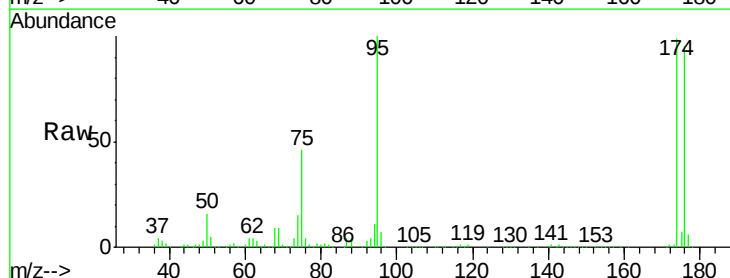
Tgt Ion: 95 Resp: 170146

Ion Ratio Lower Upper

95 100

174 99.5 0.0 187.4

176 95.9 0.0 181.0



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

11.14

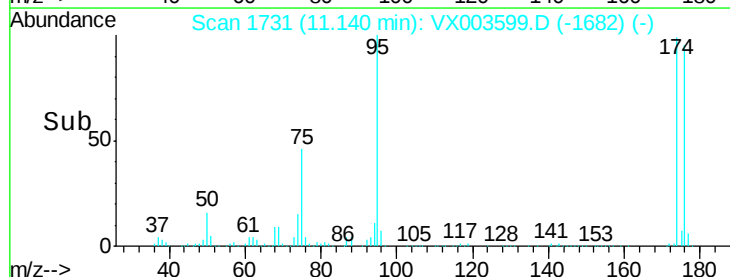
150000

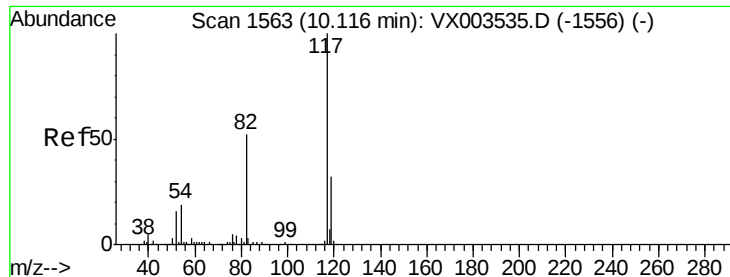
100000

50000

0

Time--> 11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003599.D

Acq: 23 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

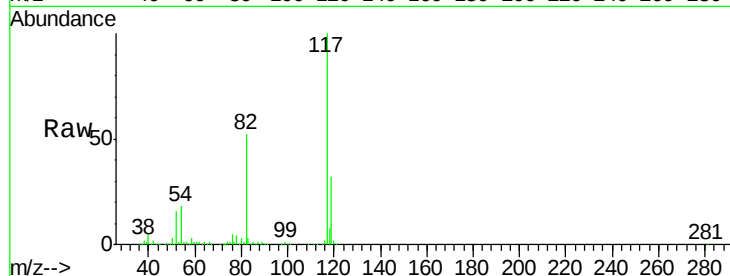
Tgt Ion:117 Resp: 340611

Ion Ratio Lower Upper

117 100

82 51.8 45.0 67.4

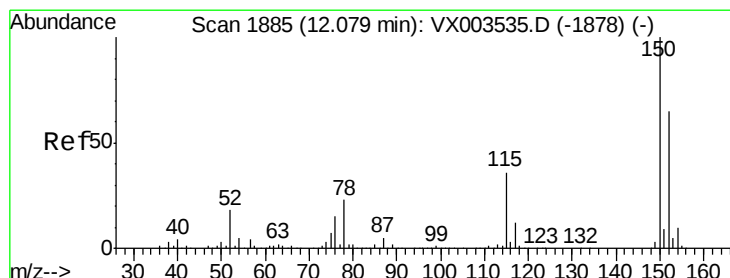
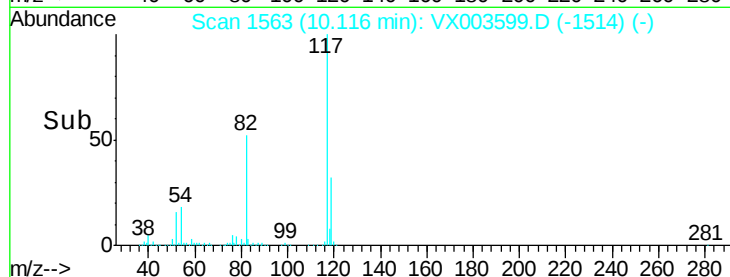
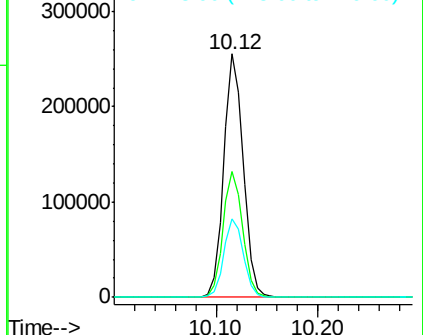
119 32.0 25.8 38.6



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: VX003599.D

Acq: 23 Jul 2018 12:56

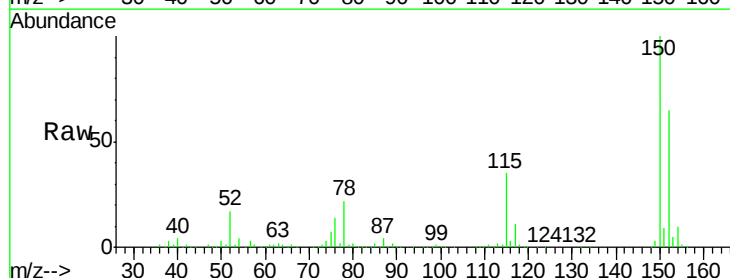
Tgt Ion:152 Resp: 183643

Ion Ratio Lower Upper

152 100

115 53.5 40.1 120.2

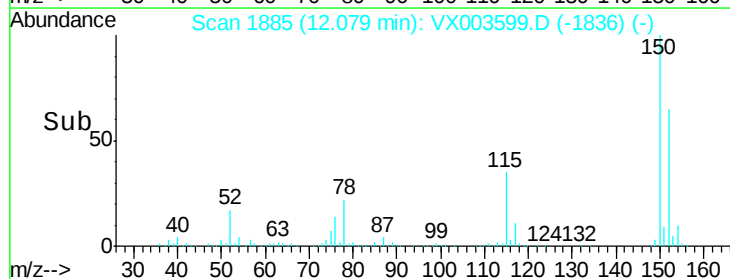
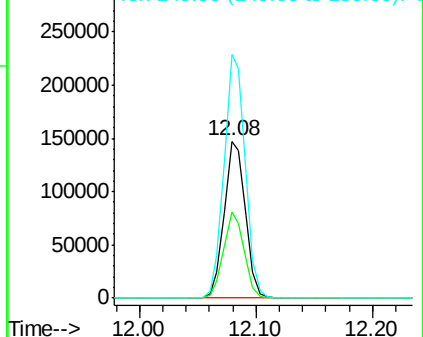
150 155.9 0.0 347.2

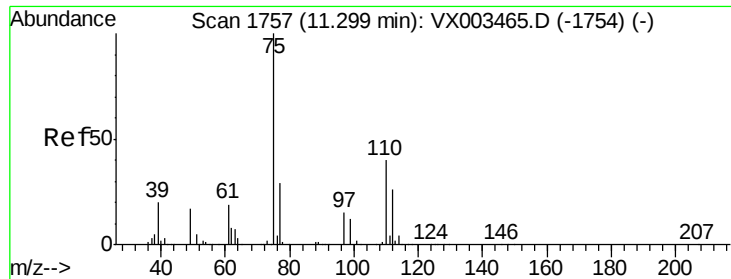


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.880 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003599.D

Acq: 23 Jul 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

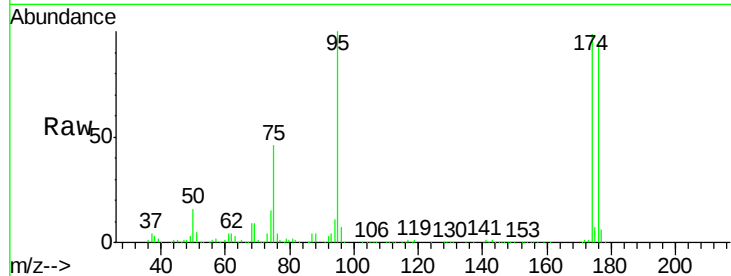
TRIP-BLANK

Tgt Ion: 75 Resp: 78782

Ion Ratio Lower Upper

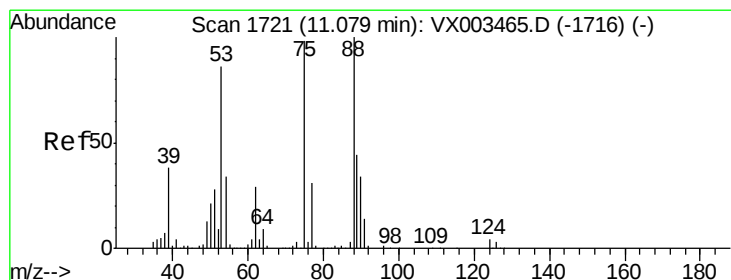
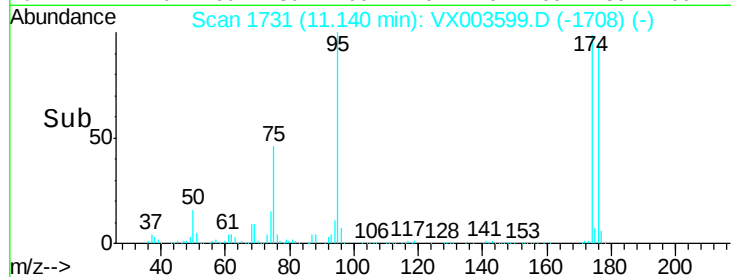
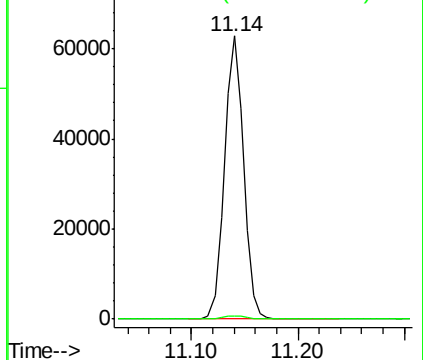
75 100

77 1.4 22.8 68.3#



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: 66.978 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003599.D

Acq: 23 Jul 2018 12:56

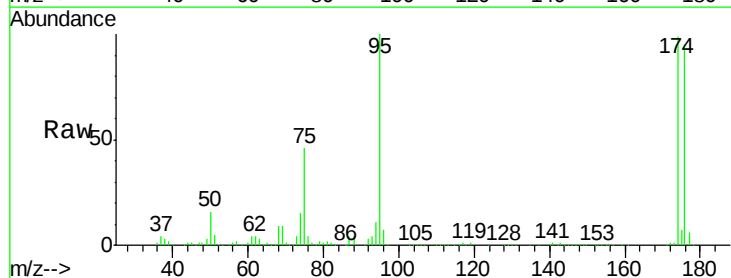
Tgt Ion: 75 Resp: 78782

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



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

