

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003896.D
 Acq On : 07 Aug 2018 23:12
 Operator : JC/MD
 Sample : VX0807WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBL02

Quant Time: Aug 08 04:16:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	68657	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	357436	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	325031	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	144914	28.75	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.83%
60) 4-Bromofluorobenzene	11.14	95	137367	26.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.50%
63) Toluene-d8	8.72	98	417468	28.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.03%

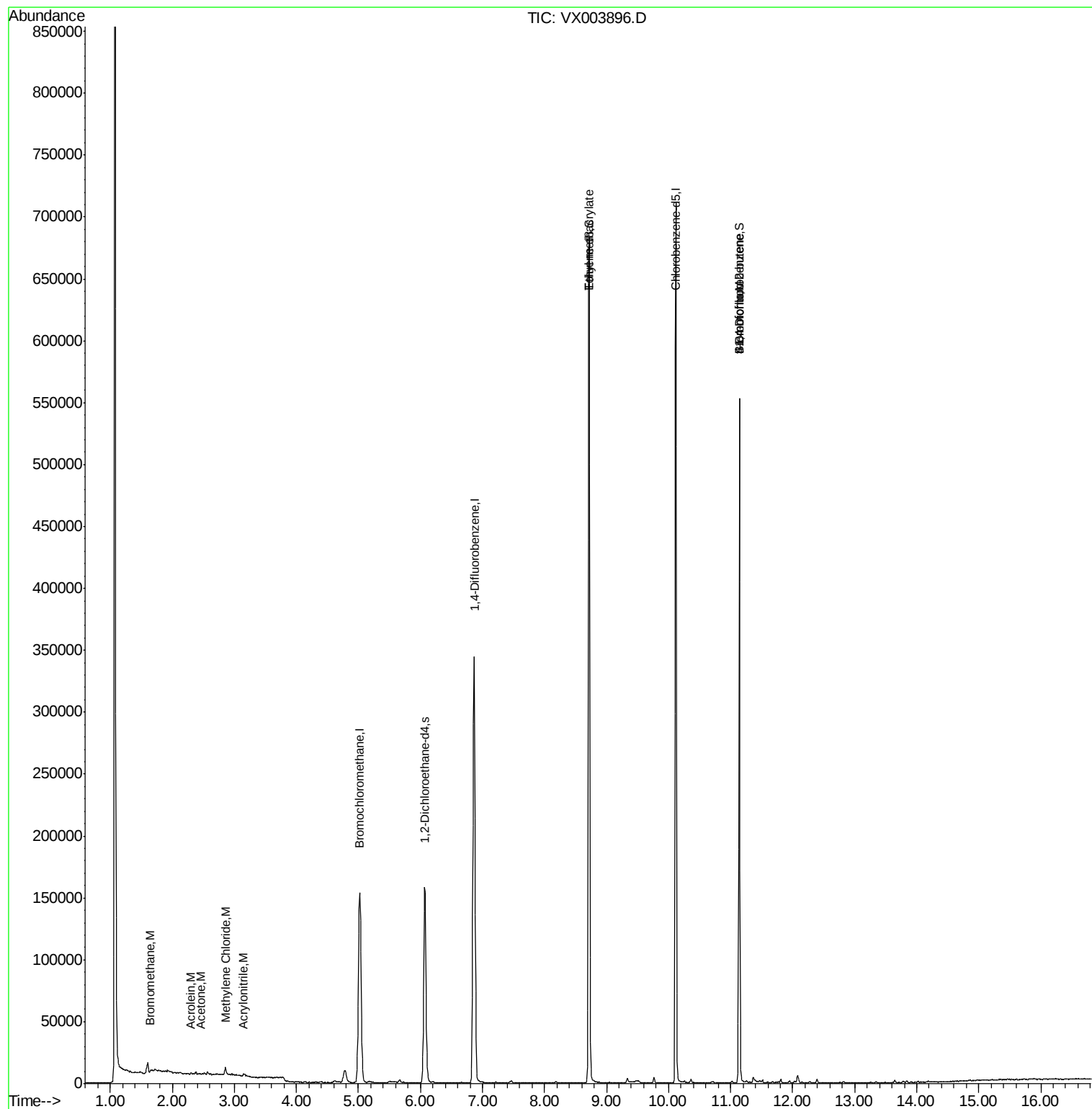
Target Compounds						Ovalue
5) Bromomethane	1.64	94	680	0.22	ug/l	# 80
13) Acrolein	2.29	56	272	0.48	ug/l	# 84
14) Acrylonitrile	3.15	53	614	0.21	ug/l	# 50
15) Acetone	2.45	58	220	0.28	ug/l	# 19
18) Methylene Chloride	2.85	84	2497	0.54	ug/l	# 88
51) Ethyl methacrylate	8.72	69	1373	0.21	ug/l	# 90
56) Bromoform	11.14	173	1174	0.35	ug/l	# 1
77) t-1,4-Dichloro-2-butene	11.14	75	65488	34.36	ug/l	# 11

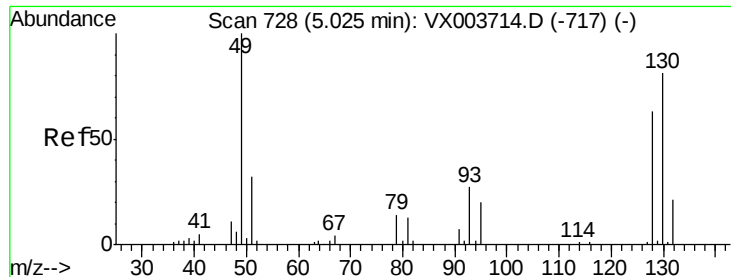
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080718\
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MSVOA_X
ClientSampleId :
VX0807WBL02

Quant Time: Aug 08 00:55:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 16:17:43 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX003896.D

Acq: 07 Aug 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBL02

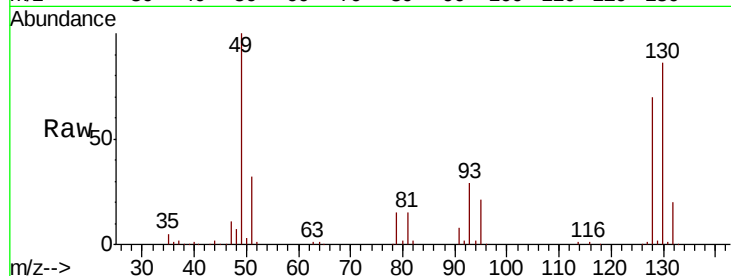
Tot Ion:128 Resp: 68657

Ion Ratio Lower Upper

128 100

49 153.2 0.0 423.0

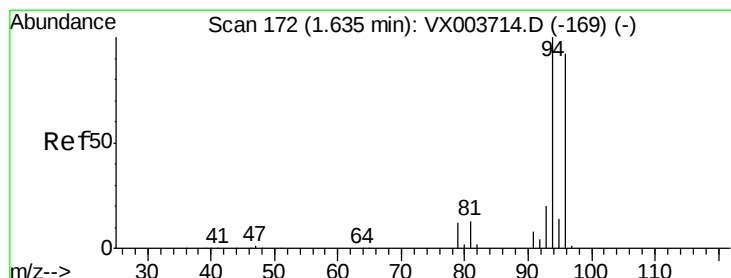
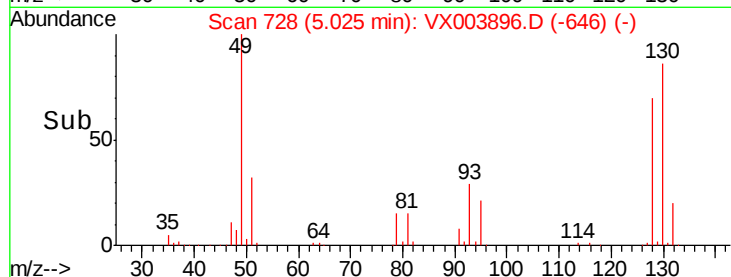
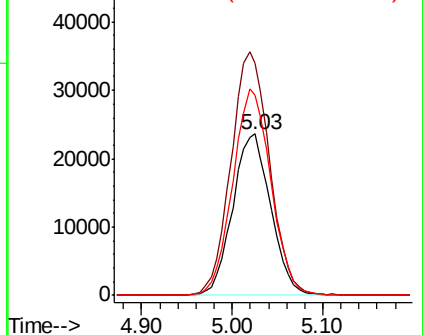
130 128.6 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#5

Bromomethane

Concen: 0.22 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003896.D

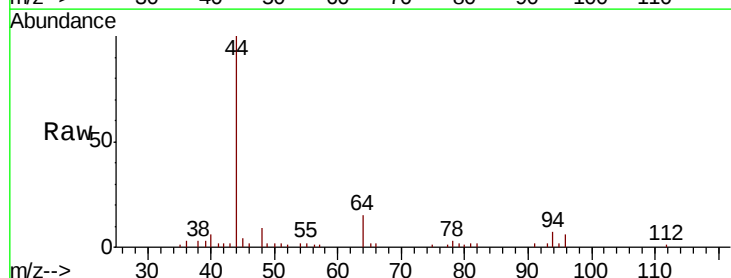
Acq: 07 Aug 2018 23:12

Tgt Ion: 94 Resp: 680

Ion Ratio Lower Upper

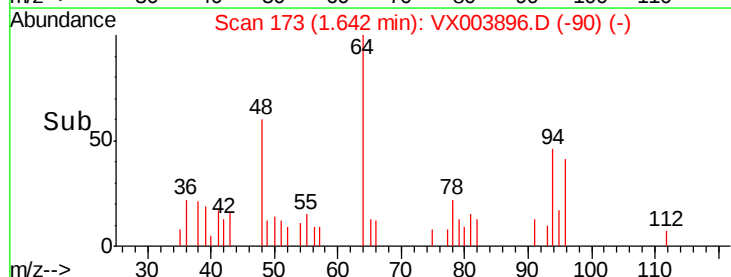
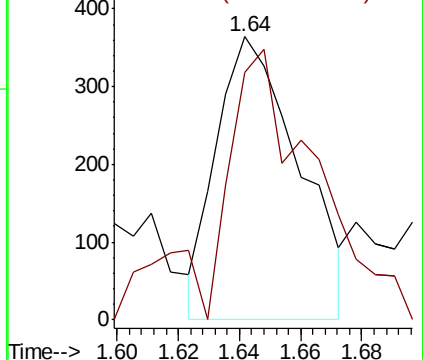
94 100

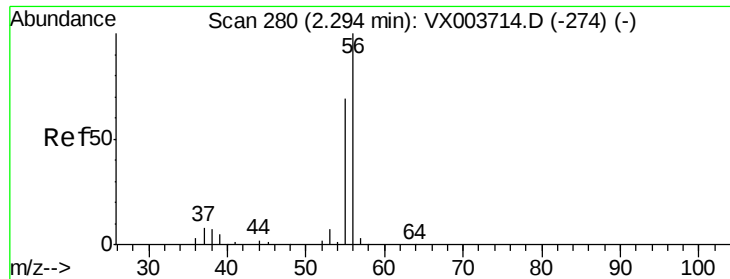
96 74.8 75.7 113.5#



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#13

Acrolein

Concen: 0.48 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003896.D

Acq: 07 Aug 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

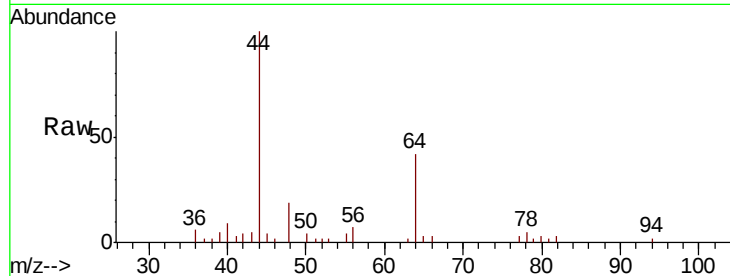
VX0807WBL02

Tot Ion: 56 Resp: 272

Ion Ratio Lower Upper

56 100

55 58.1 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

200

150

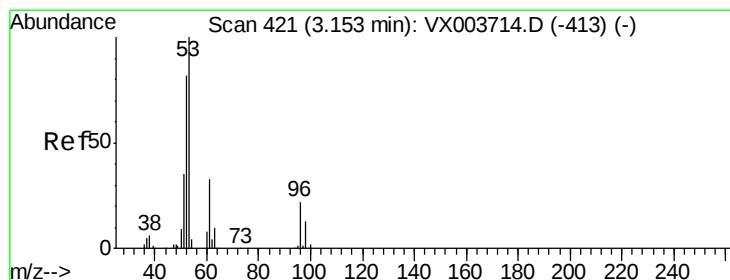
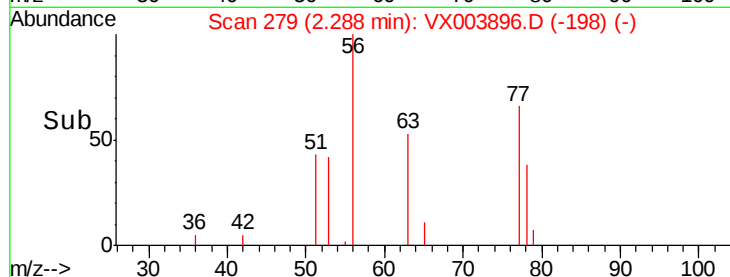
100

50

0

2.26 2.28 2.30 2.32

Time-->



#14

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003896.D

Acq: 07 Aug 2018 23:12

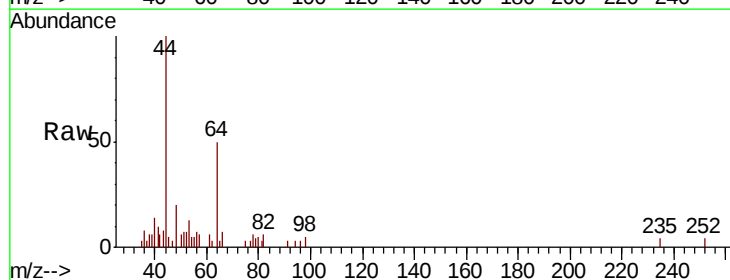
Tgt Ion: 53 Resp: 614

Ion Ratio Lower Upper

53 100

52 30.3 41.5 124.6#

51 19.1 17.9 53.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.15

300

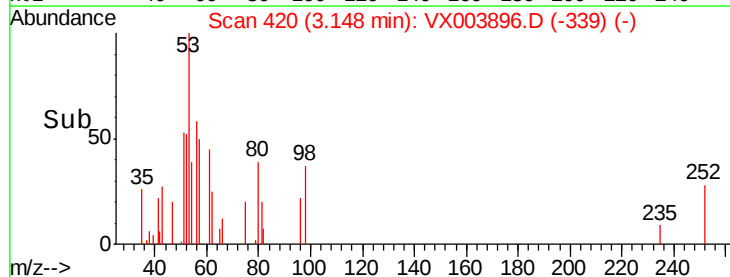
200

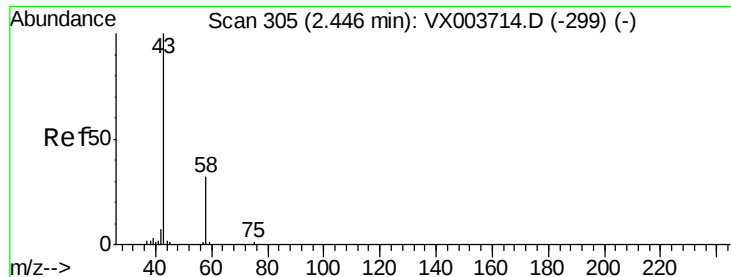
100

0

3.10 3.15 3.20

Time-->





#15

Acetone

Concen: 0.28 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003896.D

Acq: 07 Aug 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

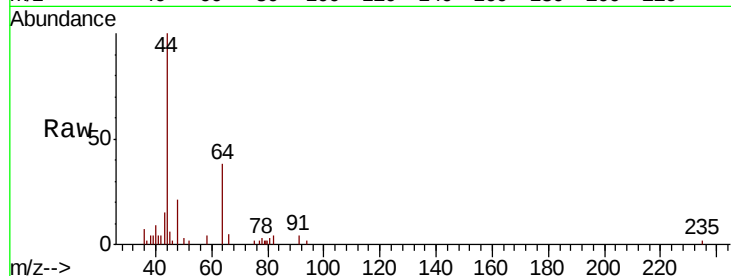
VX0807WBL02

Tot Ion: 58 Resp: 220

Ion Ratio Lower Upper

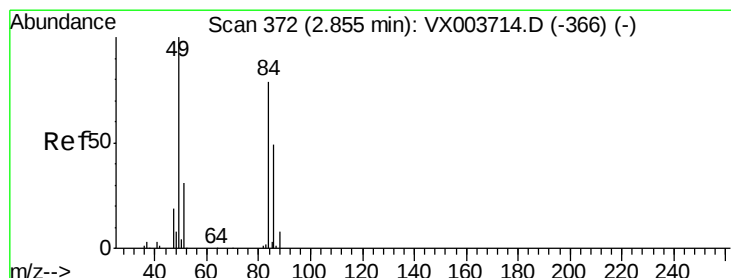
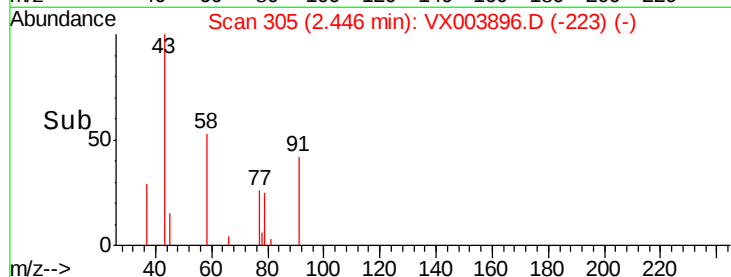
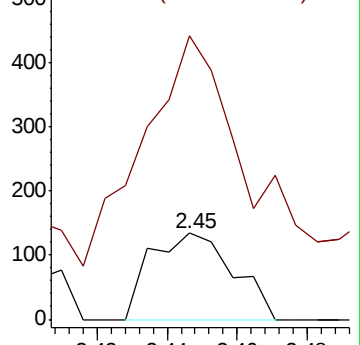
58 100

43 173.1 278.8 418.2#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#18

Methylene Chloride

Concen: 0.54 ug/l

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003896.D

Acq: 07 Aug 2018 23:12

Tgt Ion: 84 Resp: 2497

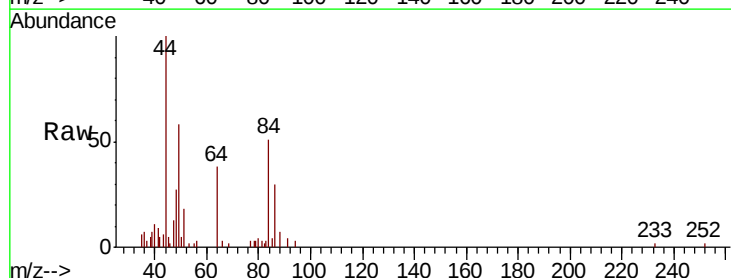
Ion Ratio Lower Upper

84 100

49 114.9 104.7 157.1

51 29.4 31.0 46.4#

86 59.8 50.8 76.2

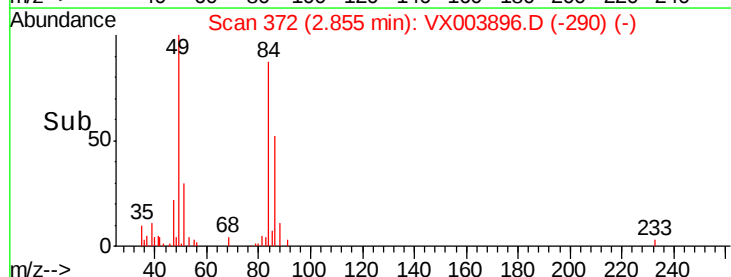
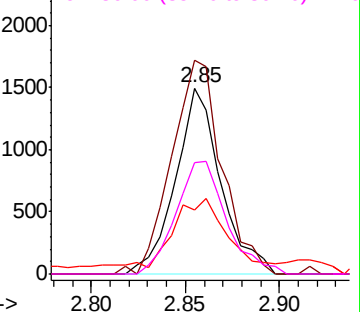


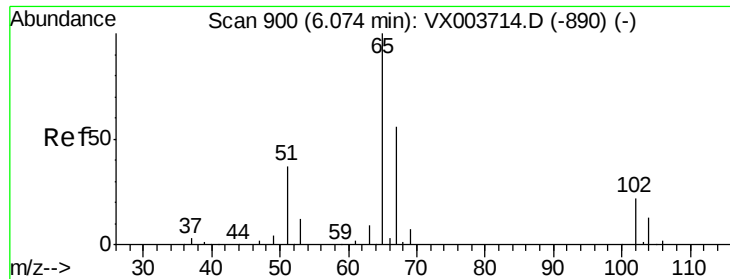
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 28.75 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003896.D

Acq: 07 Aug 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

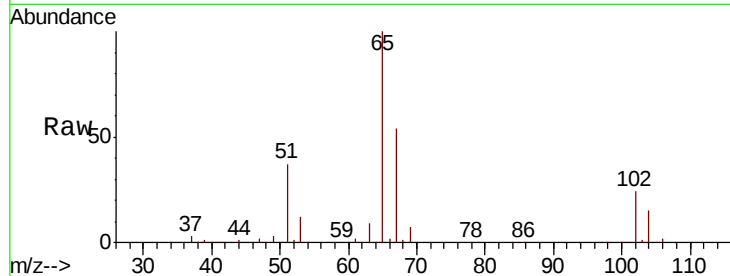
VX0807WBL02

Tot Ion: 65 Resp: 144914

Ion Ratio Lower Upper

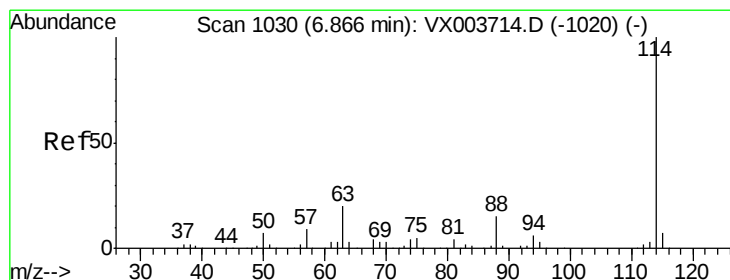
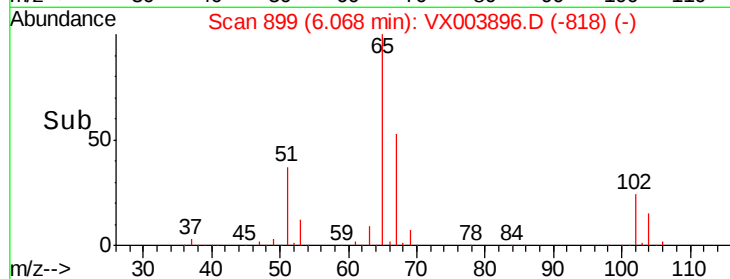
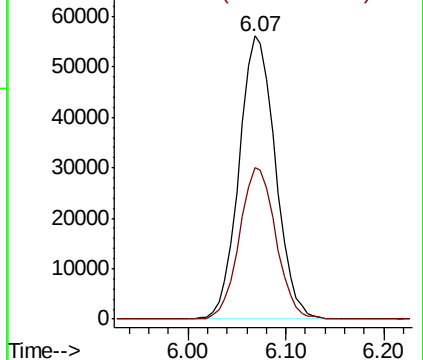
65 100

67 53.5 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003896.D

Acq: 07 Aug 2018 23:12

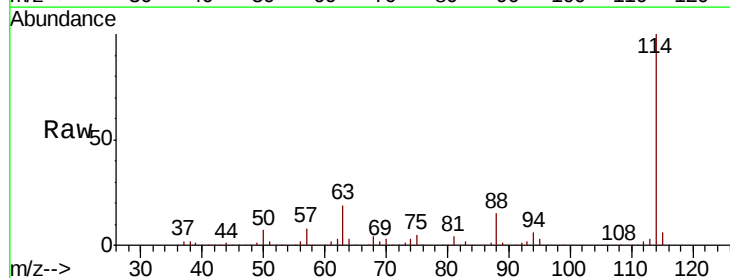
Tgt Ion: 114 Resp: 357436

Ion Ratio Lower Upper

114 100

63 19.9 17.1 25.7

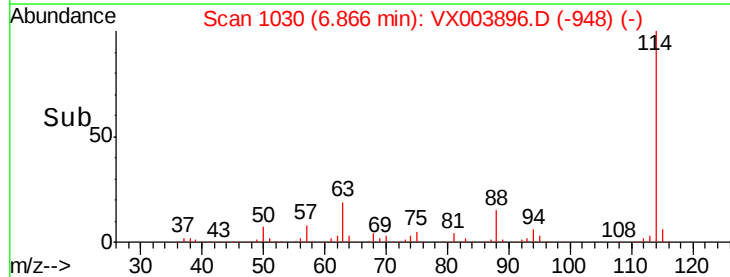
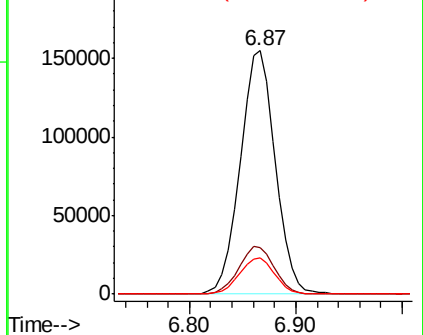
88 15.1 12.6 19.0

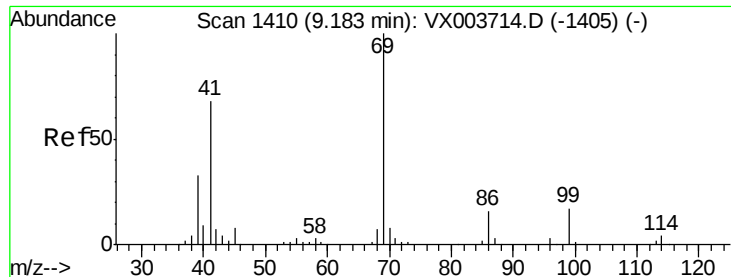


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#51

Ethyl methacrylate

Concen: 0.21 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.46 min

Lab File: VX003896.D

Acq: 07 Aug 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBL02

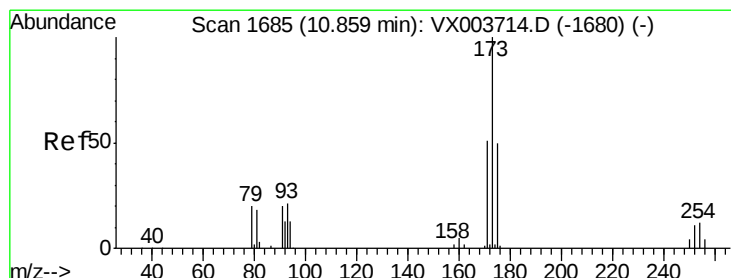
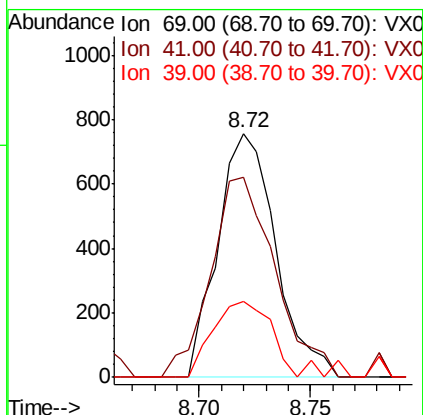
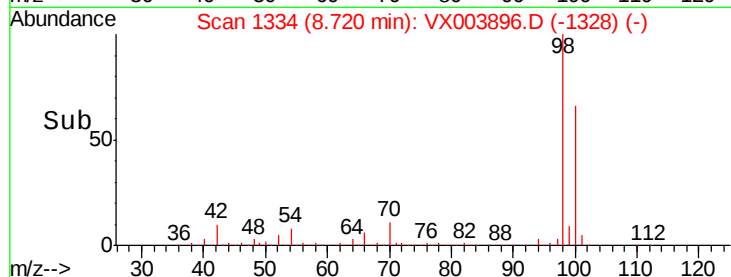
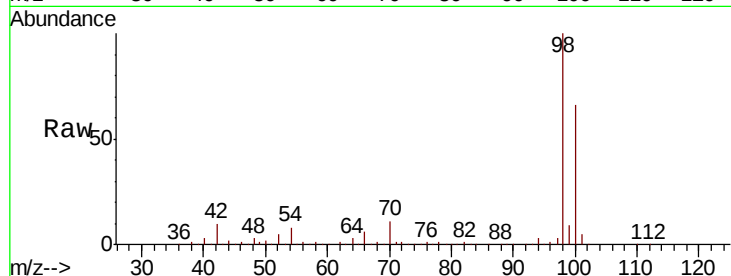
Tot Ion: 69 Resp: 1373

Ion Ratio Lower Upper

69 100

41 82.3 39.1 117.3

39 31.1 21.7 65.1



#56

Bromoform

Concen: 0.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.28 min

Lab File: VX003896.D

Acq: 07 Aug 2018 23:12

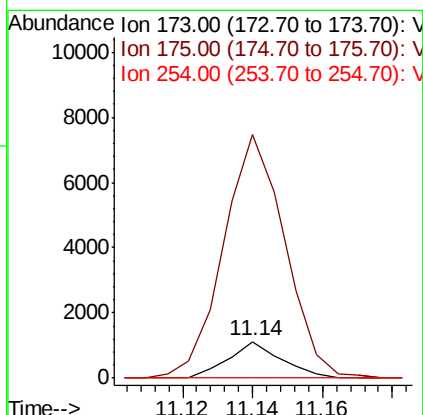
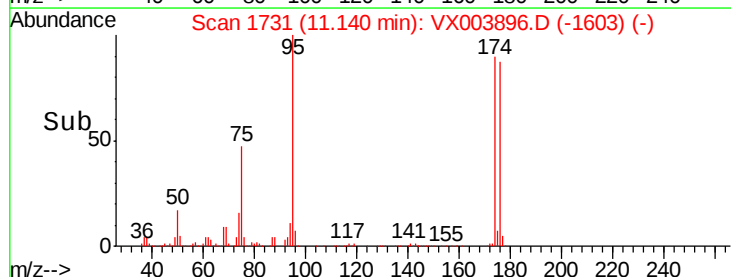
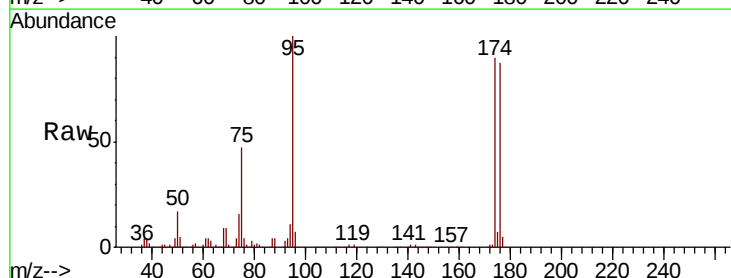
Tgt Ion:173 Resp: 1174

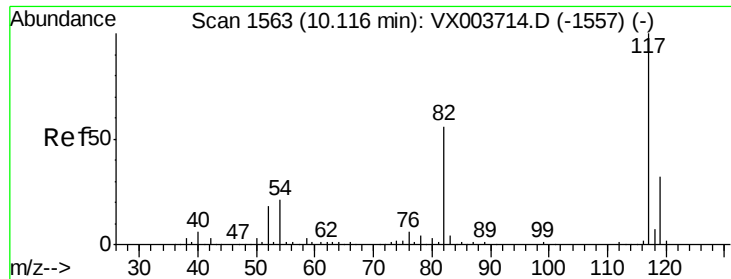
Ion Ratio Lower Upper

173 100

175 777.7 39.0 58.4#

254 0.0 9.6 14.4#

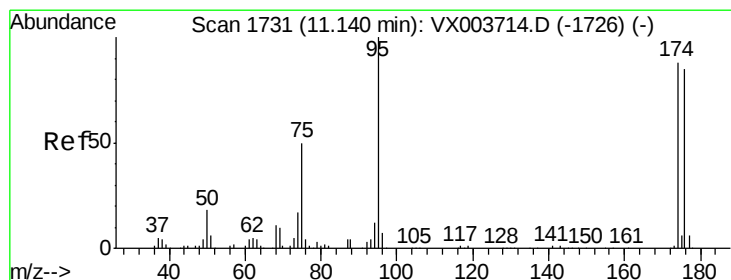
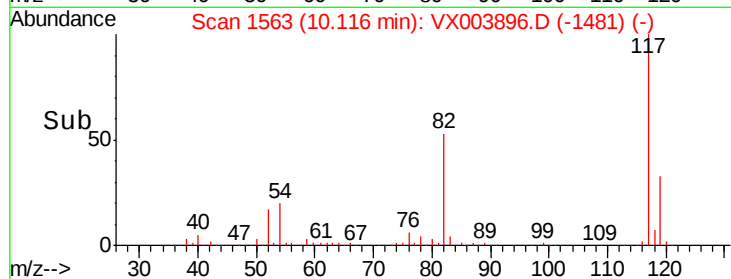
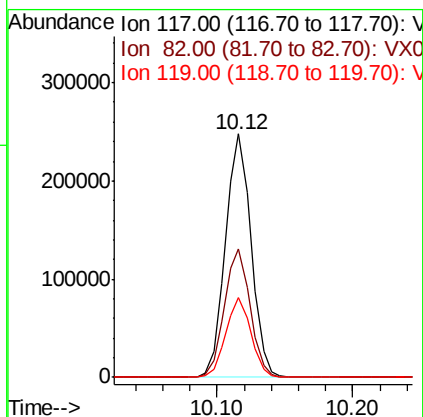
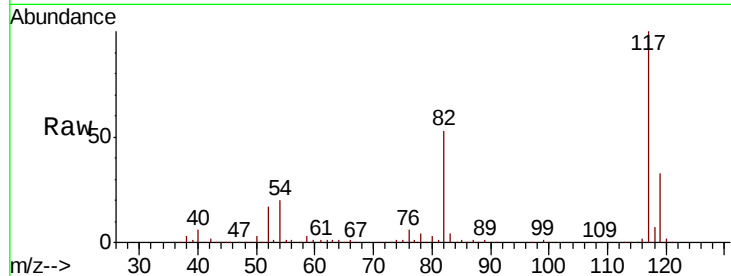




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003896.D
Acq: 07 Aug 2018 23:12

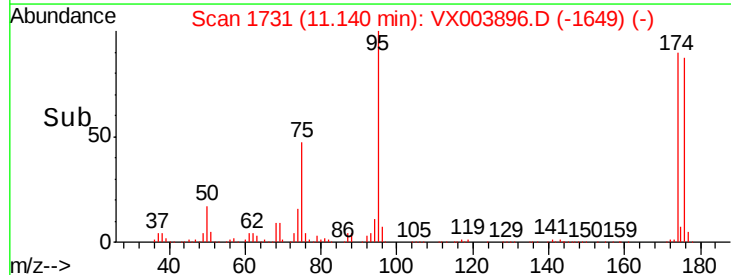
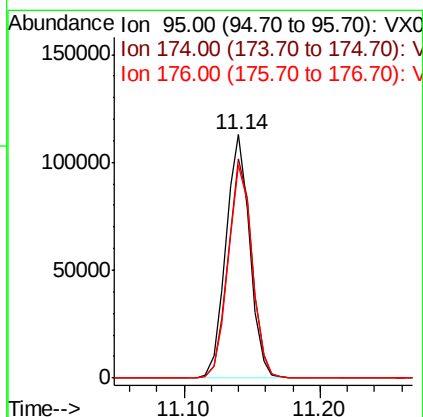
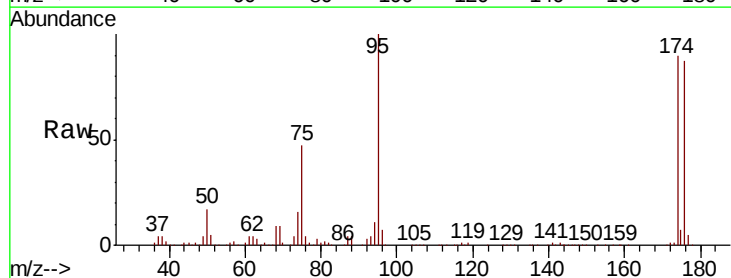
Instrument :
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VX0807WBL02

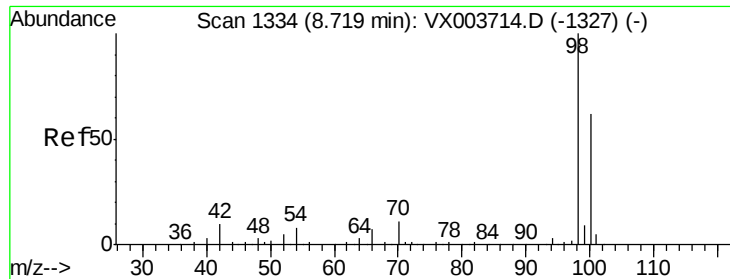
Tot Ion:117 Resp: 325031
Ion Ratio Lower Upper
117 100
82 52.8 44.3 66.5
119 32.4 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 26.25 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003896.D
Acq: 07 Aug 2018 23:12

Tgt Ion: 95 Resp: 137367
Ion Ratio Lower Upper
95 100
174 90.4 71.8 107.6
176 88.0 70.1 105.1





#63

Toluene-d8

Concen: 28.51 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003896.D

Acq: 07 Aug 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

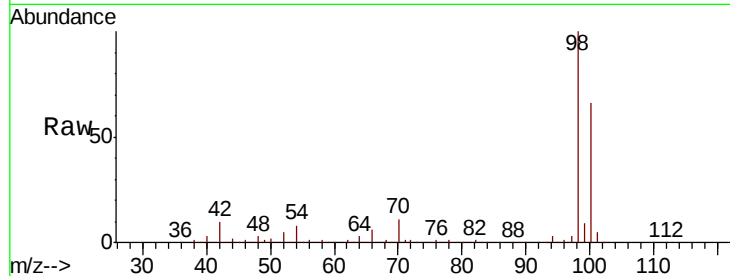
VX0807WBL02

Tot Ion: 98 Resp: 417468

Ion Ratio Lower Upper

98 100

100 66.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

250000

200000

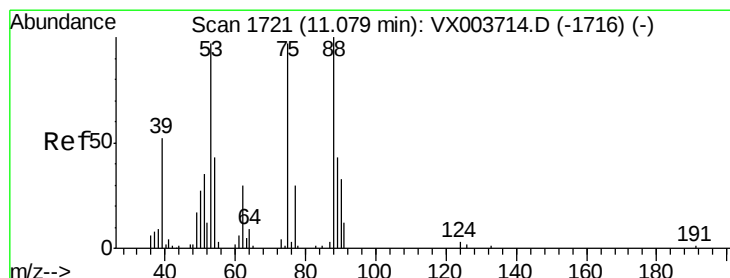
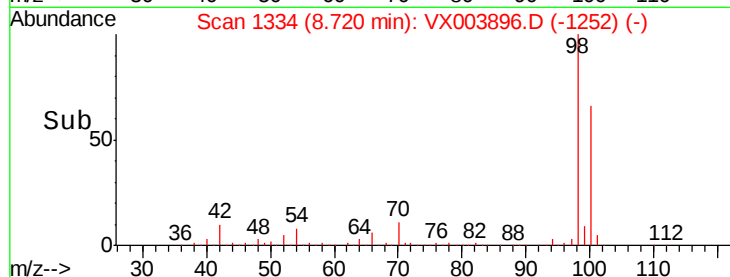
150000

100000

50000

0

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 34.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003896.D

Acq: 07 Aug 2018 23:12

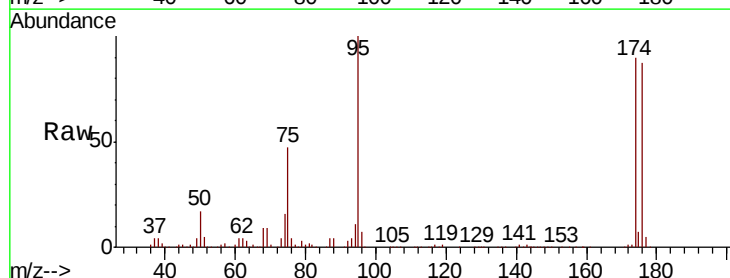
Tgt Ion: 75 Resp: 65488

Ion Ratio Lower Upper

75 100

53 0.2 48.3 144.9#

89 0.0 21.8 65.4#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

11.14

60000

40000

20000

0

Time-->

