

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003824.D
 Acq On : 02 Aug 2018 14:44
 Operator : JC/MD
 Sample : J4233-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CAP-3

Quant Time: Aug 03 03:20:35 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	22217	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	115942	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	105043	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	46609	28.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.27%
60) 4-Bromofluorobenzene	11.14	95	44656	26.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.00%
63) Toluene-d8	8.72	98	137218	29.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.67%

Target Compounds

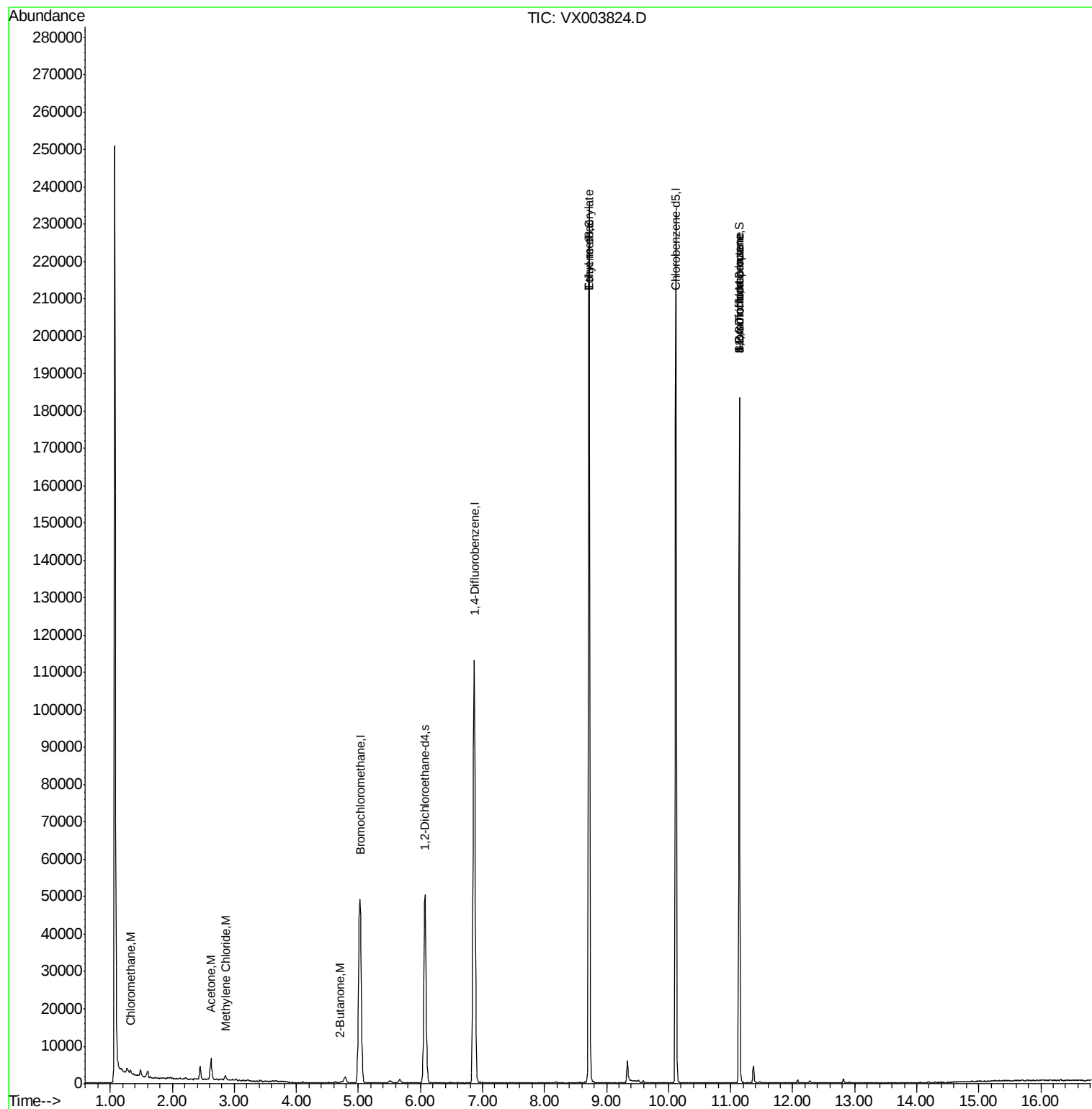
						Ovalue
3) Chloromethane	1.32	50	1117	0.71	ug/l	89
15) Acetone	2.62	58	77	0.31	ug/l	99
18) Methylene Chloride	2.86	84	494	0.33	ug/l #	85
30) 2-Butanone	4.71	43	373	0.34	ug/l #	59
51) Ethyl methacrylate	8.73	69	447	0.21	ug/l	74
56) Bromoform	11.15	173	417	0.38	ug/l #	1
72) 1,2,3-Trichloropropane	11.14	75	21528	11.91	ug/l	41
77) t-1,4-Dichloro-2-butene	11.14	75	21528	34.95	ug/l #	11

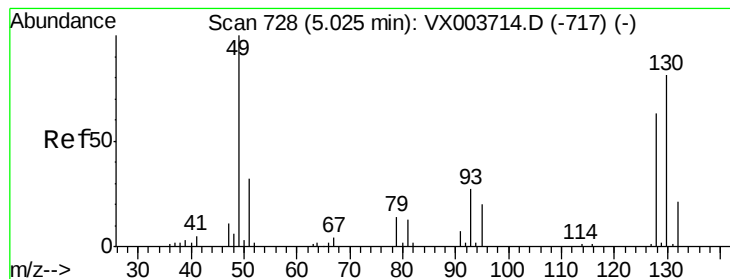
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080218\
Data File : VX003824.D
Acq On : 02 Aug 2018 14:44
Operator : JC/MD
Sample : J4233-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CAP-3

Quant Time: Aug 03 03:20:35 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: VX003824.D

Acq: 02 Aug 2018 14:44

Instrument :

MSVOA_X

ClientSampleId :

CAP-3

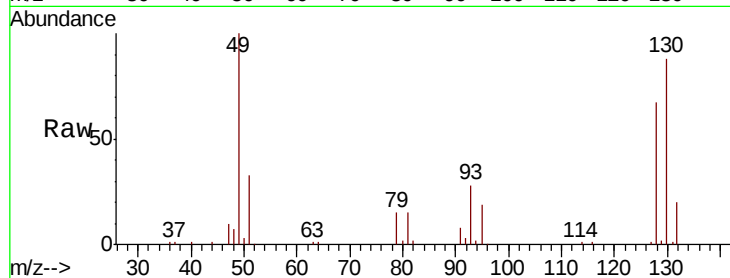
Tot Ion:128 Resp: 22217

Ion Ratio Lower Upper

128 100

49 155.4 0.0 423.0

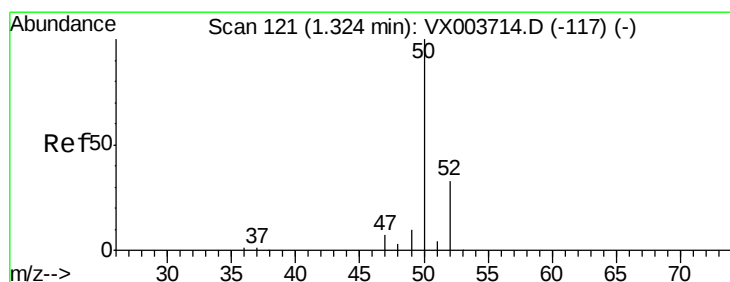
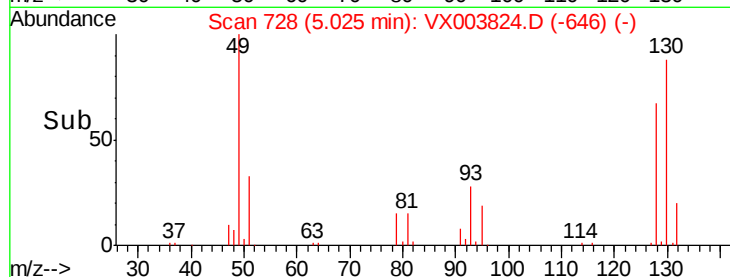
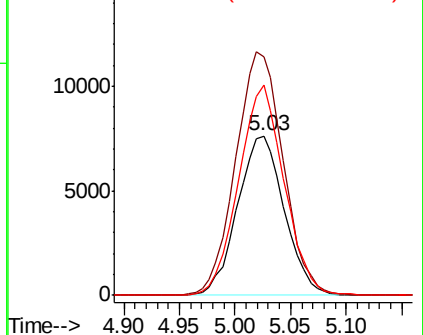
130 128.6 0.0 324.3



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



#3

Chloromethane

Concen: 0.71 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003824.D

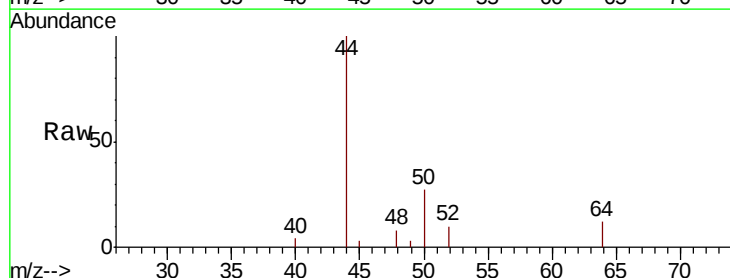
Acq: 02 Aug 2018 14:44

Tgt Ion: 50 Resp: 1117

Ion Ratio Lower Upper

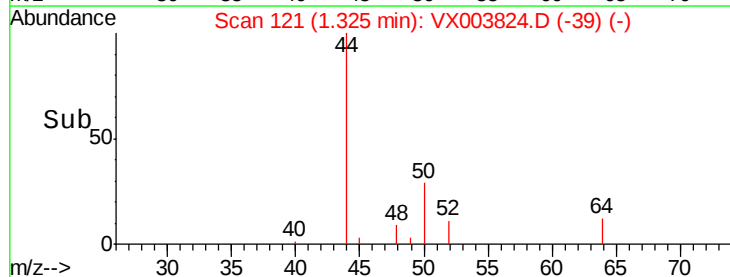
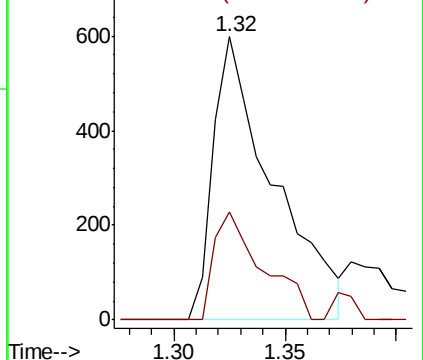
50 100

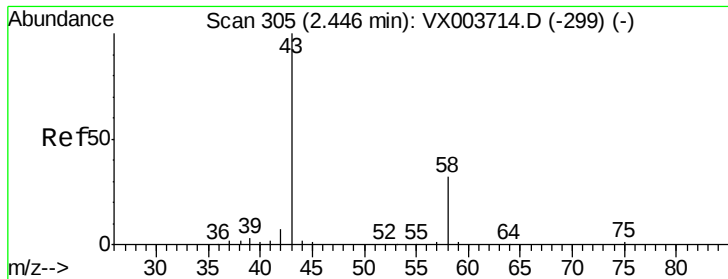
52 38.3 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#15

Acetone

Concen: 0.31 ug/l

RT: 2.62 min Scan# 333

Delta R.T. 0.17 min

Lab File: VX003824.D

Acq: 02 Aug 2018 14:44

Instrument :

MSVOA_X

ClientSampled :

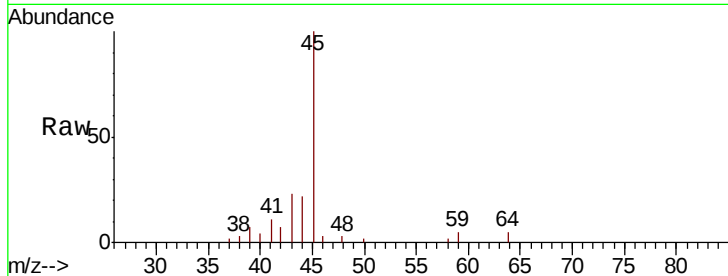
CAP-3

Tot Ion: 58 Resp: 77

Ion Ratio Lower Upper

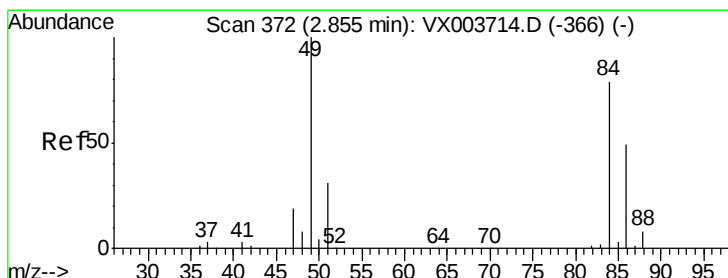
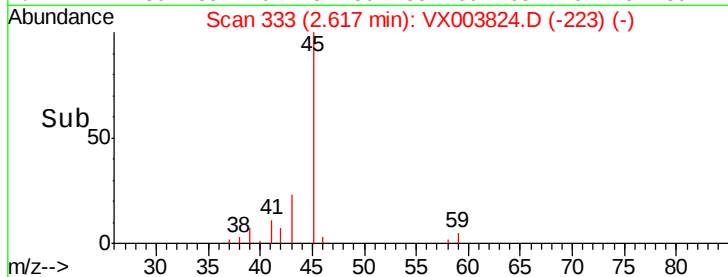
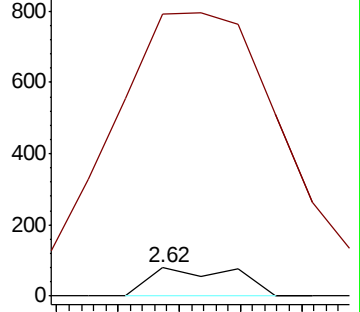
58 100

43 350.0 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#18

Methylene Chloride

Concen: 0.33 ug/l

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003824.D

Acq: 02 Aug 2018 14:44

Tgt Ion: 84 Resp: 494

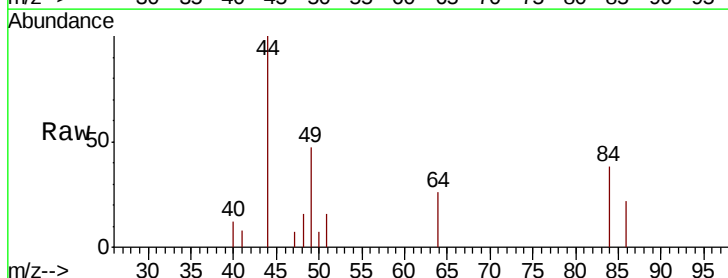
Ion Ratio Lower Upper

84 100

49 104.4 104.7 157.1#

51 41.0 31.0 46.4

86 58.2 50.8 76.2

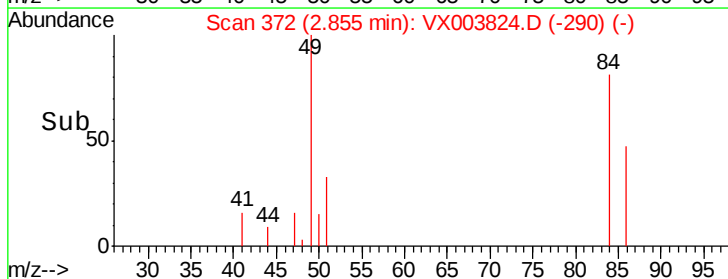
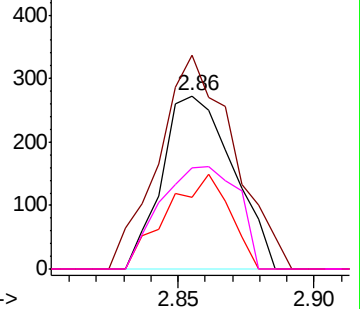


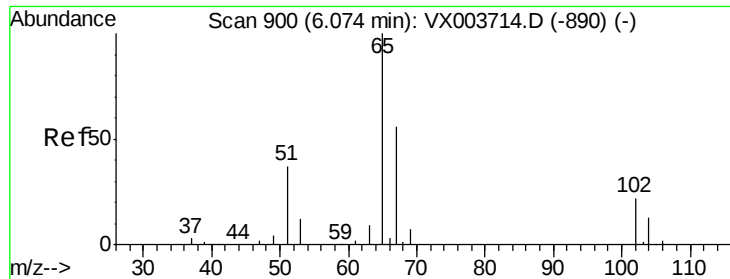
Abundance Ion 84.00 (83.70 to 84.70): VX0

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

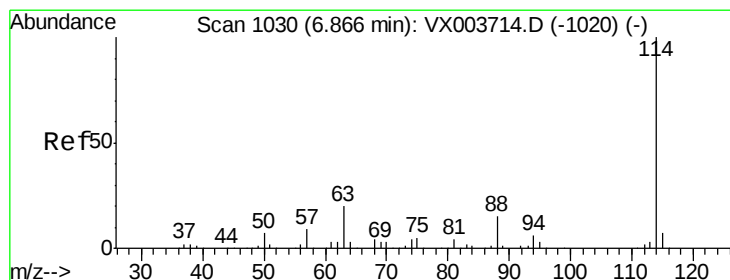
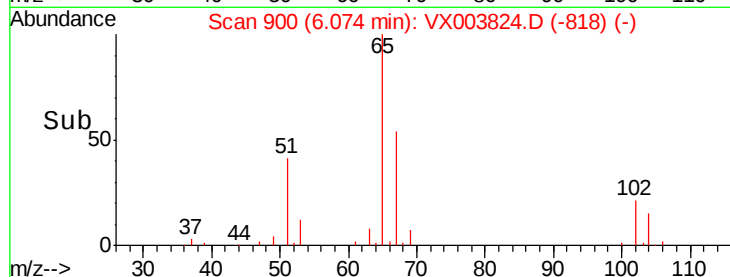
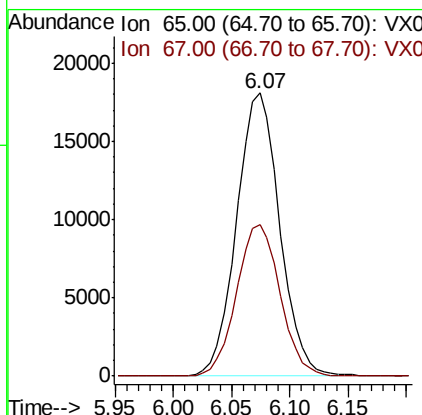
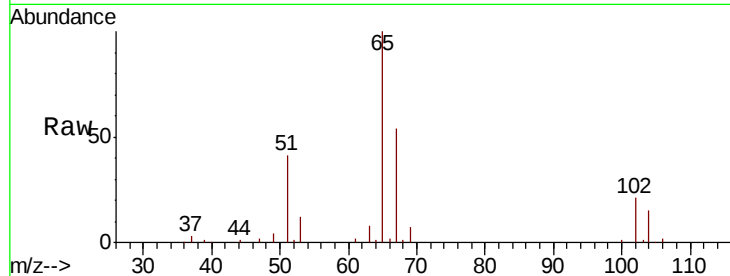




#27
 1,2-Dichloroethane-d4
 Concen: 28.58 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003824.D
 Acq: 02 Aug 2018 14:44

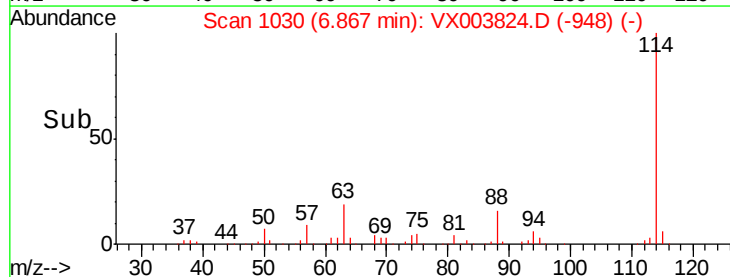
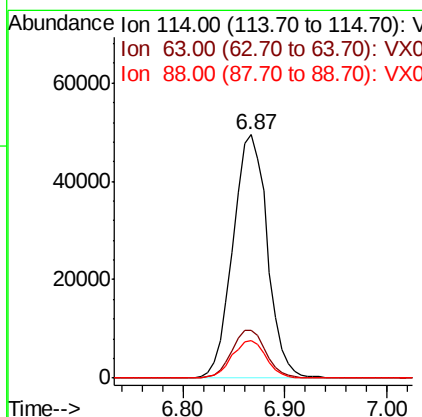
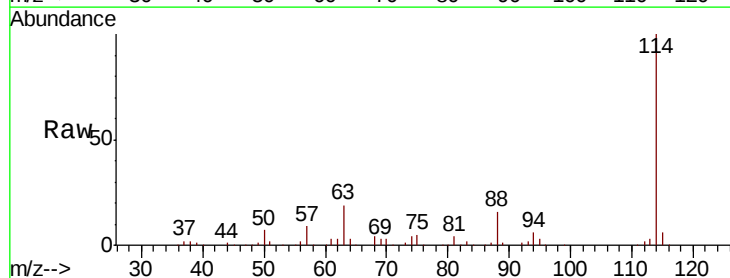
Instrument :
 MSVOA_X
 ClientSampleId :
 CAP-3

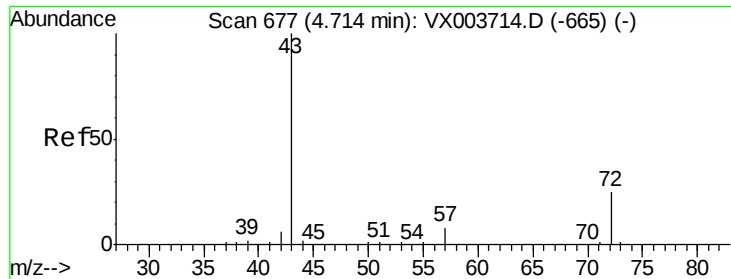
Tot Ion: 65 Resp: 46609
 Ion Ratio Lower Upper
 65 100
 67 53.8 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003824.D
 Acq: 02 Aug 2018 14:44

Tgt Ion: 114 Resp: 115942
 Ion Ratio Lower Upper
 114 100
 63 19.7 17.1 25.7
 88 15.5 12.6 19.0

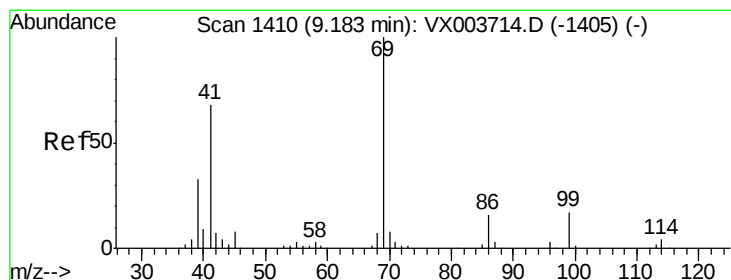
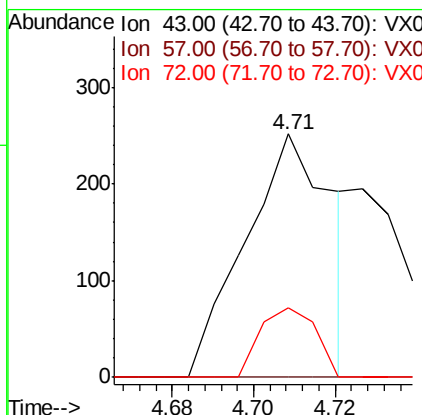
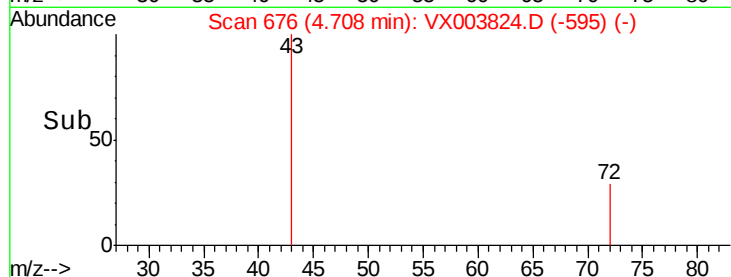
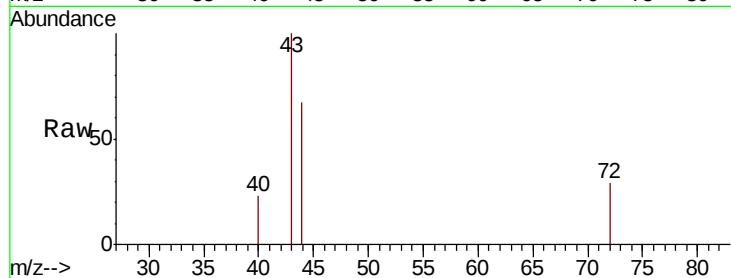




#30
2-Butanone
Concen: 0.34 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX003824.D
Acq: 02 Aug 2018 14:44

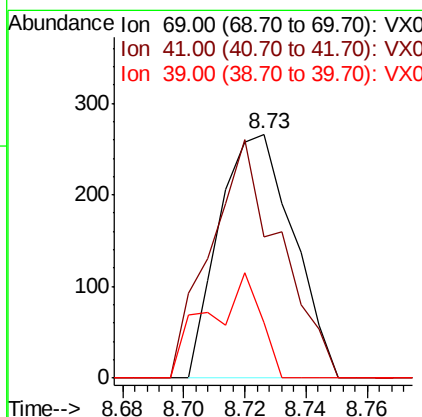
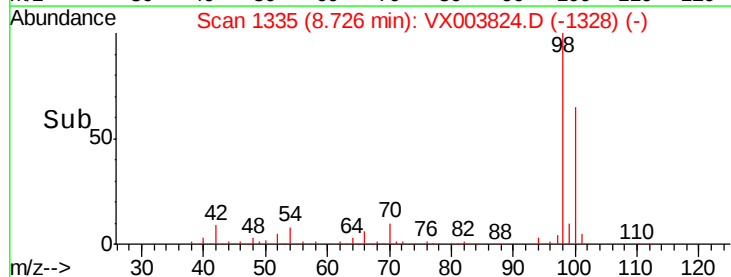
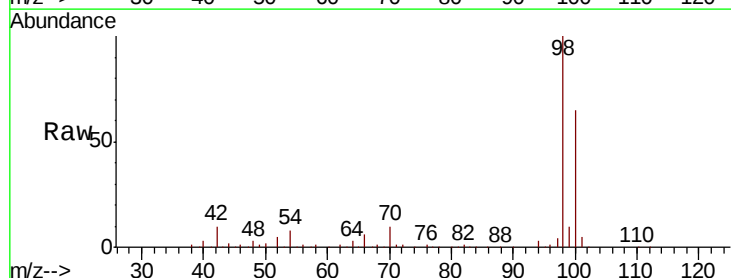
Instrument :
MSVOA_X
ClientSampleId :
CAP-3

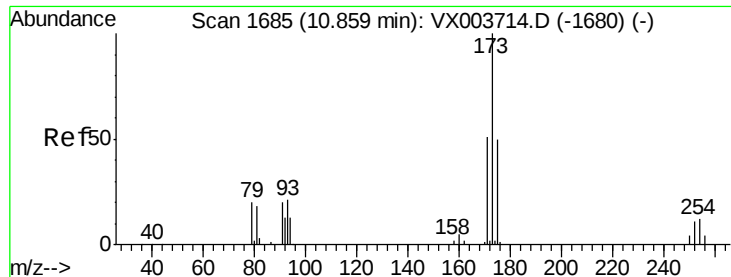
Tot Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
57 0.0 6.1 9.1#
72 0.0 18.1 27.1#



#51
Ethyl methacrylate
Concen: 0.21 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.46 min
Lab File: VX003824.D
Acq: 02 Aug 2018 14:44

Tgt Ion: 69 Resp: 447
Ion Ratio Lower Upper
69 100
41 57.9 39.1 117.3
39 22.9 21.7 65.1





#56

Bromoform

Concen: 0.38 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.29 min

Lab File: VX003824.D

Acq: 02 Aug 2018 14:44

Instrument :

MSVOA_X

ClientSampleId :

CAP-3

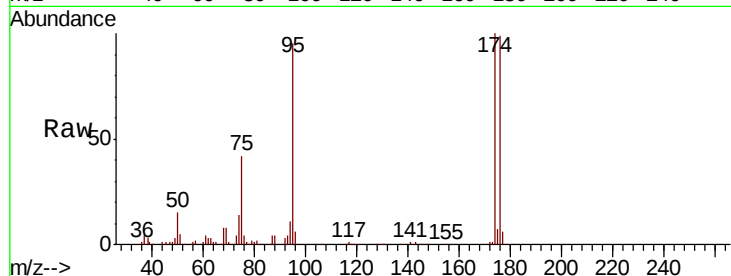
Tot Ion:173 Resp: 417

Ion Ratio Lower Upper

173 100

175 741.5 39.0 58.4#

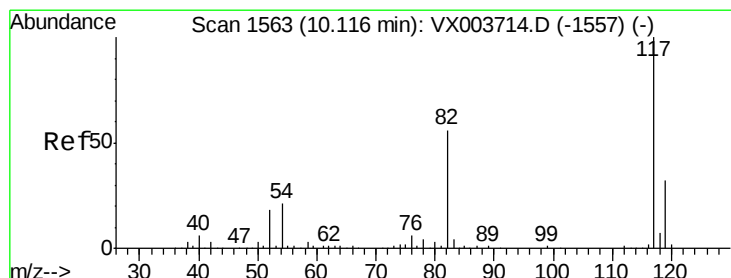
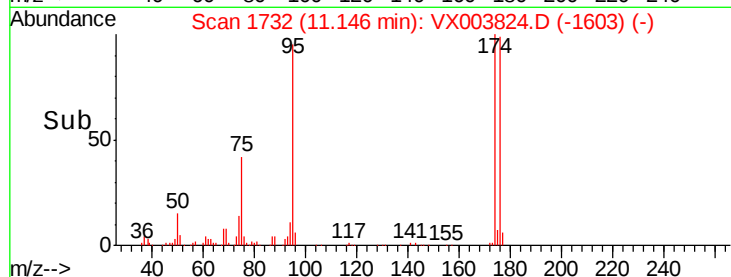
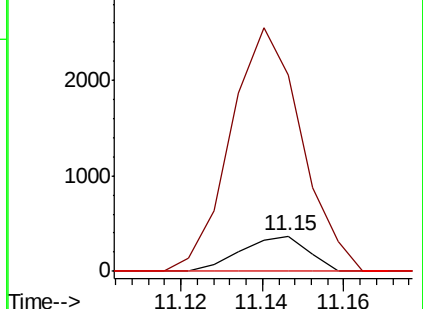
254 0.0 9.6 14.4#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003824.D

Acq: 02 Aug 2018 14:44

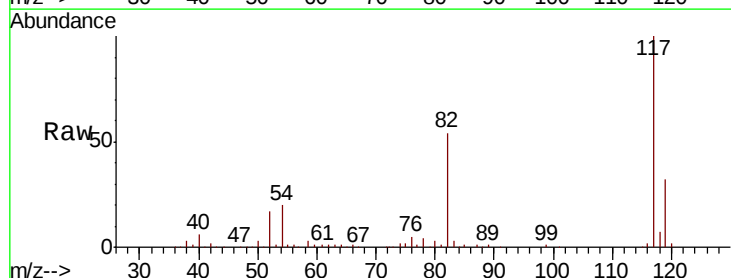
Tgt Ion:117 Resp: 105043

Ion Ratio Lower Upper

117 100

82 53.8 44.3 66.5

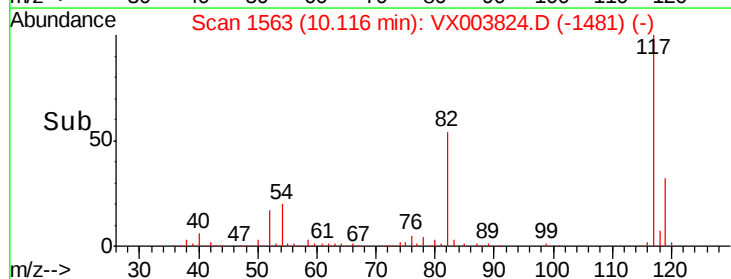
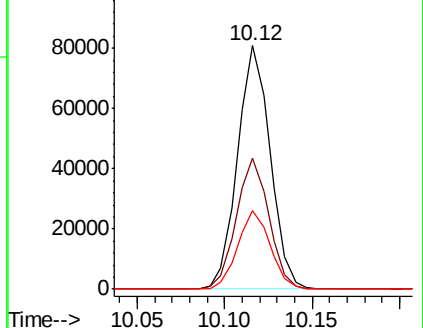
119 32.0 25.7 38.5

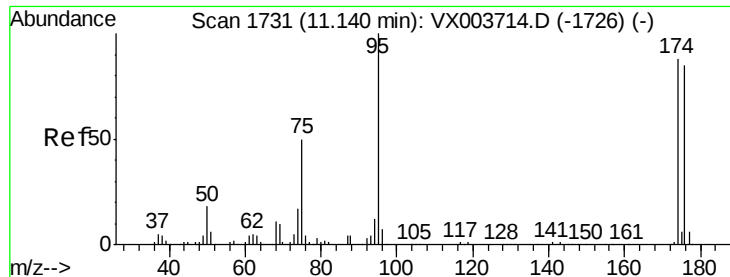


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

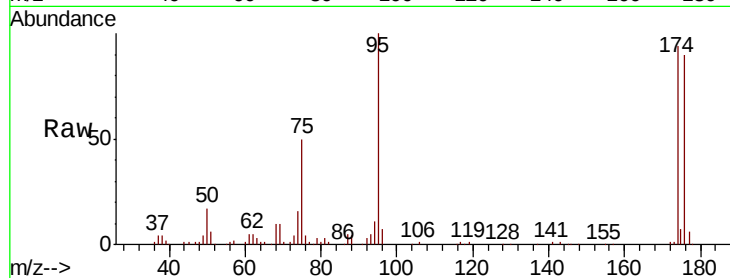




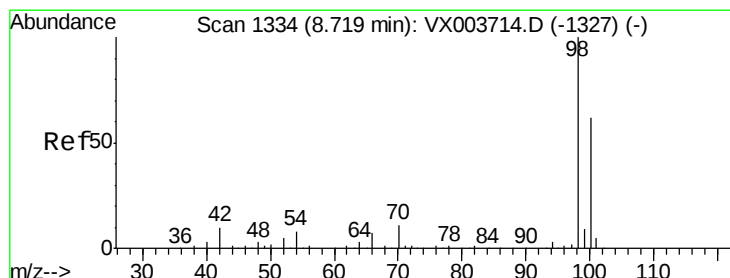
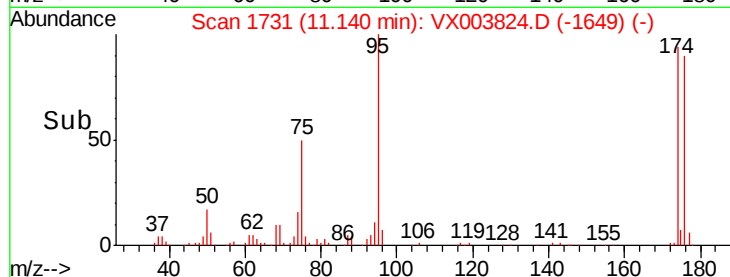
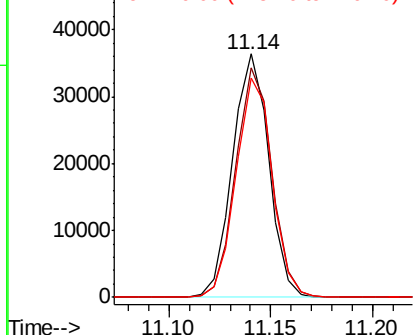
#60
4-Bromofluorobenzene
Concen: 26.40 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003824.D
Acq: 02 Aug 2018 14:44

Instrument :
MSVOA_X
ClientSampleId :
CAP-3

Tot Ion: 95 Resp: 44656
Ion Ratio Lower Upper
95 100
174 94.2 71.8 107.6
176 90.4 70.1 105.1

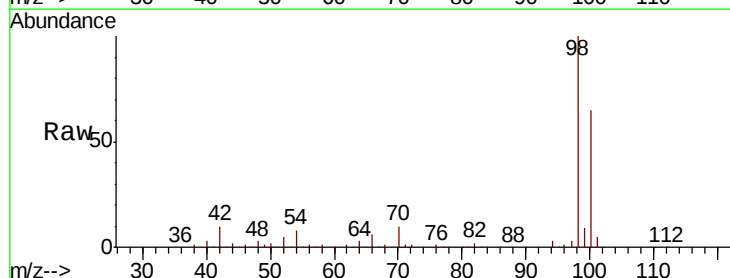


Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

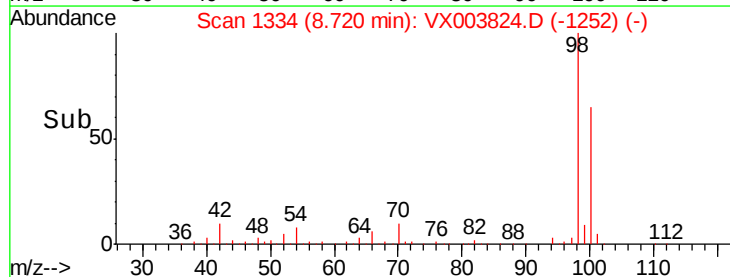
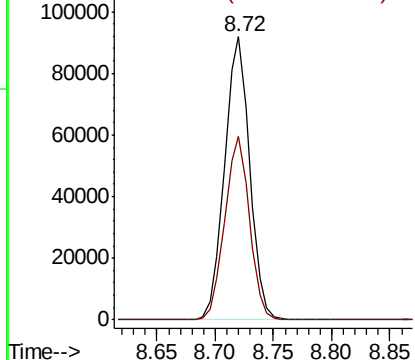


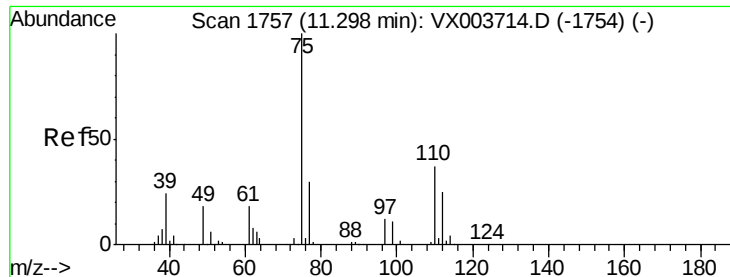
#63
Toluene-d8
Concen: 29.00 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003824.D
Acq: 02 Aug 2018 14:44

Tgt Ion: 98 Resp: 137218
Ion Ratio Lower Upper
98 100
100 64.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#72

1,2,3-Trichloropropane

Concen: 11.91 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003824.D

Acq: 02 Aug 2018 14:44

Instrument :

MSVOA_X

ClientSampled :

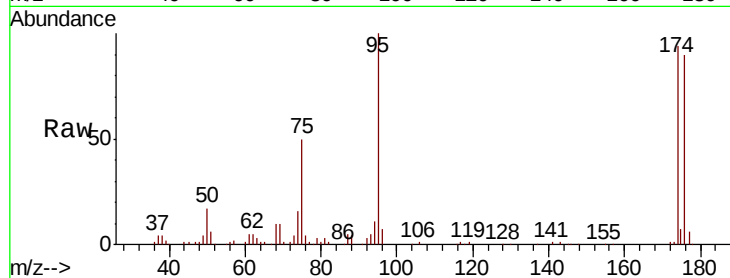
CAP-3

Tot Ion: 75 Resp: 21528

Ion Ratio Lower Upper

75 100

77 1.4 0.0 71.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

20000

15000

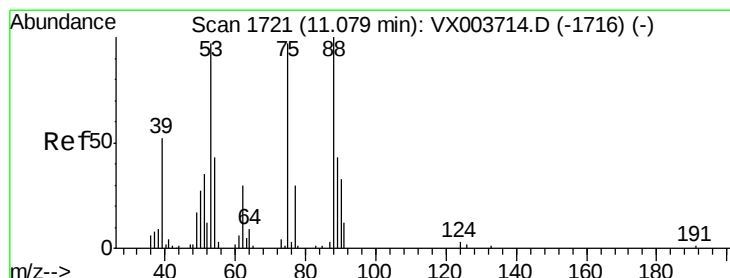
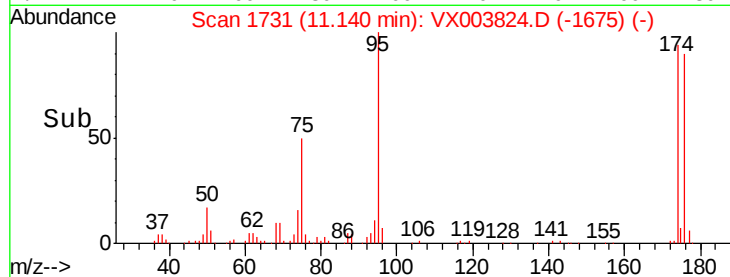
10000

5000

0

11.10 11.15 11.20

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 34.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003824.D

Acq: 02 Aug 2018 14:44

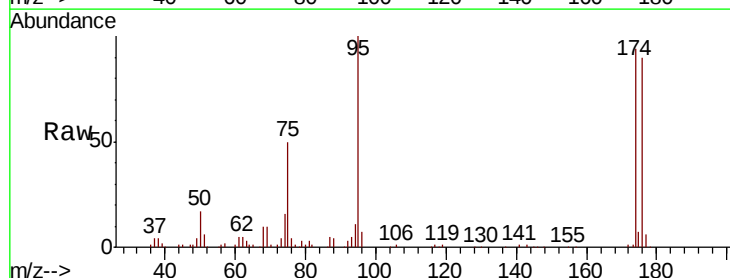
Tgt Ion: 75 Resp: 21528

Ion Ratio Lower Upper

75 100

53 0.0 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

25000

20000

15000

10000

5000

0

11.10 11.15 11.20

Time-->

