

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022718\
 Data File : VX000150.D
 Acq On : 27 Feb 2018 18:00
 Operator : JC/MD
 Sample : J1674-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 AFTER-CARBON-2

Quant Time: Feb 28 04:41:42 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	107743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	175421	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	160676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	78352	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	67718	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	5.51	113	52202	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
50) Toluene-d8	8.73	98	209479	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.15	95	73025	42.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.28%	

Target Compounds						Qvalue
5) Bromomethane	1.62	94	82	Below Cal	#	3
6) Chloroethane	1.72	64	438	0.54	ug/l #	42
13) Acrolein	2.30	56	76	0.31	ug/l #	1
14) Allyl chloride	2.45	41	8507	4.50	ug/l #	5
16) Acetone	2.45	43	430888	493.79	ug/l	98
20) Methylene Chloride	2.87	84	20	Below Cal	#	15
25) 2-Butanone	4.72	43	49749	40.84	ug/l	99
28) Bromochloromethane	5.18	49	1434	1.64	ug/l #	7
29) Tetrahydrofuran	5.18	42	651692	821.49	ug/l	97
31) Cyclohexane	5.67	56	2810	1.67	ug/l #	59
36) 1,1-Dichloropropene	5.68	75	8923	5.67	ug/l #	49
37) Ethyl Acetate	4.72	43	49749	23.00	ug/l #	67
38) Carbon Tetrachloride	5.67	117	11330	6.66	ug/l #	19
41) Methacrylonitrile	5.18	41	384815	374.13	ug/l #	45
51) 4-Methyl-2-Pentanone	8.72	43	1024	0.45	ug/l #	1
76) 1,2,3-Trichloropropane	11.15	75	39561	24.37	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	39561	69.42	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000150.D

Acq: 27 Feb 2018 18:00

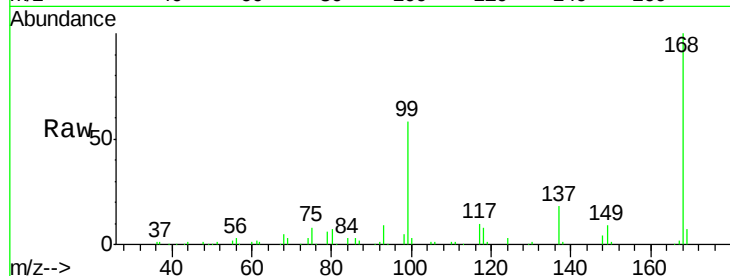
Instrument :
ClientSampled :
AFTER-CARBON-2

Tgt Ion:168 Resp: 107743

Ion Ratio Lower Upper

168 100

99 57.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

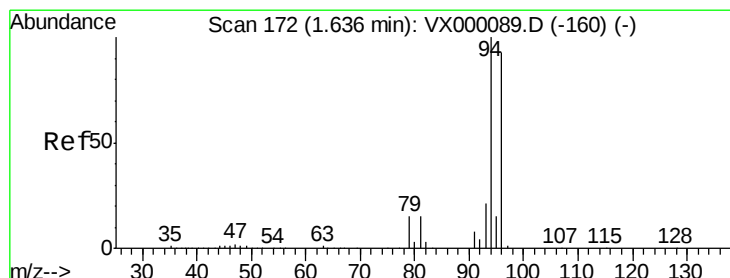
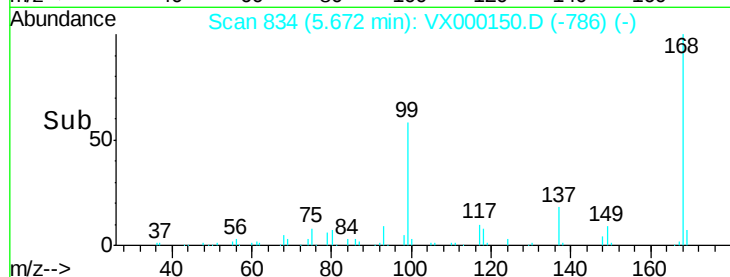
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX000150.D

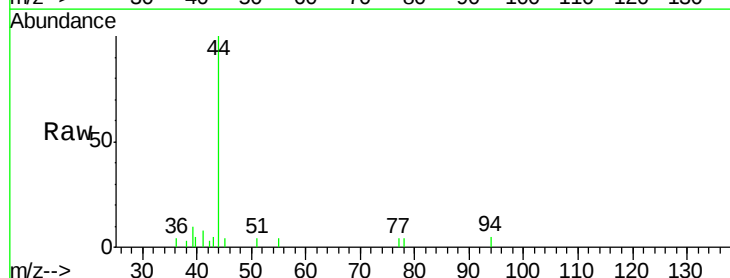
Acq: 27 Feb 2018 18:00

Tgt Ion: 94 Resp: 82

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

150

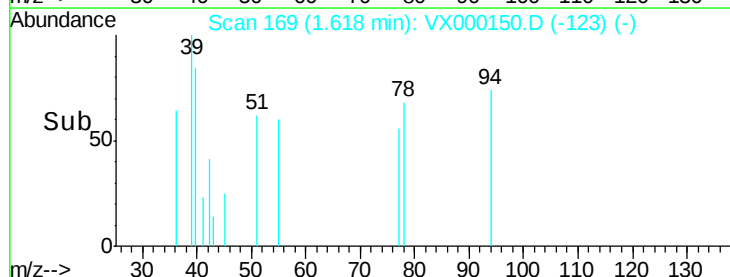
100

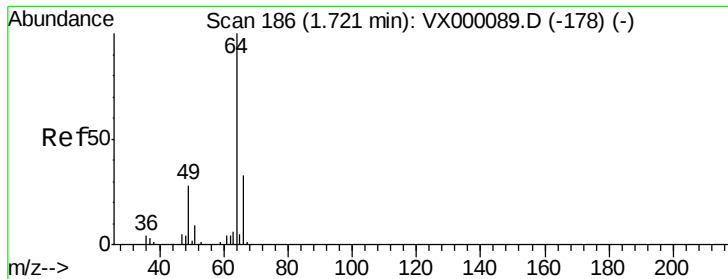
50

0

Time-->

1.60 1.61 1.62 1.63





#6

Chloroethane

Concen: 0.54 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000150.D

Acq: 27 Feb 2018 18:00

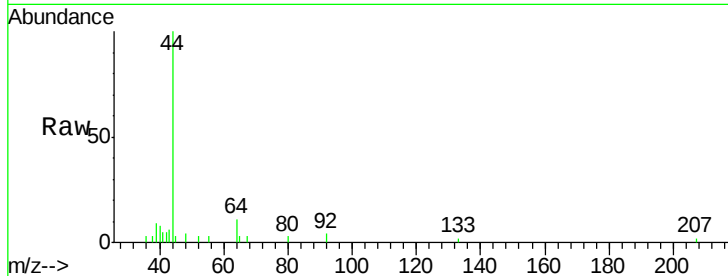
Instrument :
ClientSampled :
AFTER-CARBON-2

Tgt Ion: 64 Resp: 438

Ion Ratio Lower Upper

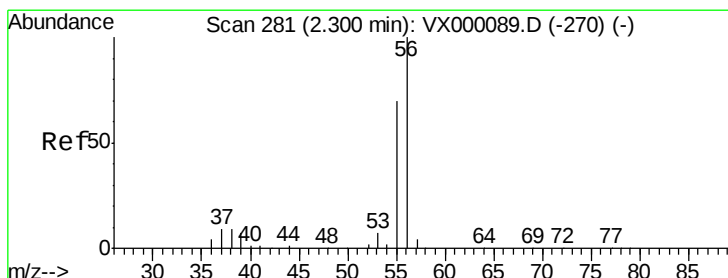
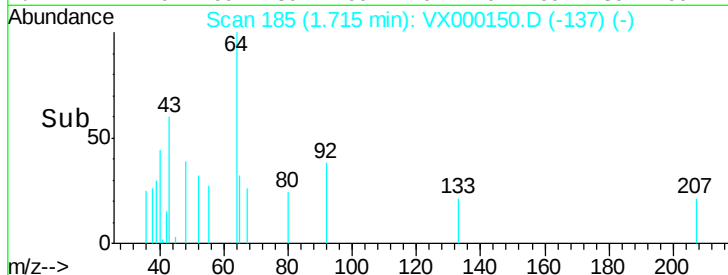
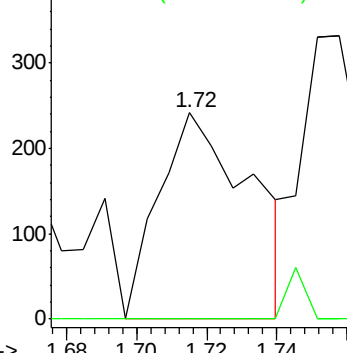
64 100

66 0.0 26.0 39.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#13

Acrolein

Concen: 0.31 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000150.D

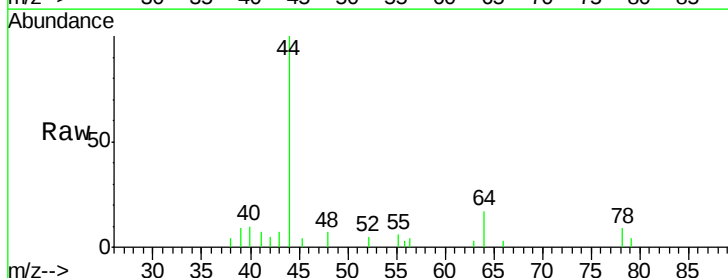
Acq: 27 Feb 2018 18:00

Tgt Ion: 56 Resp: 76

Ion Ratio Lower Upper

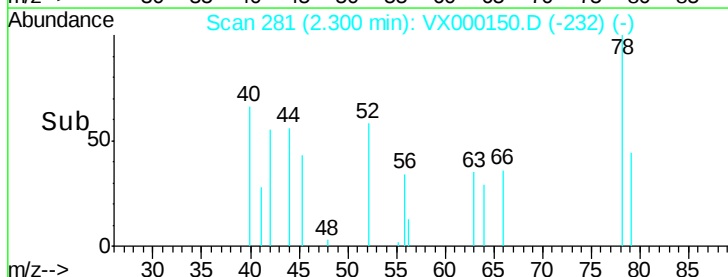
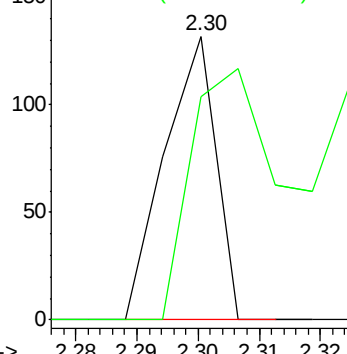
56 100

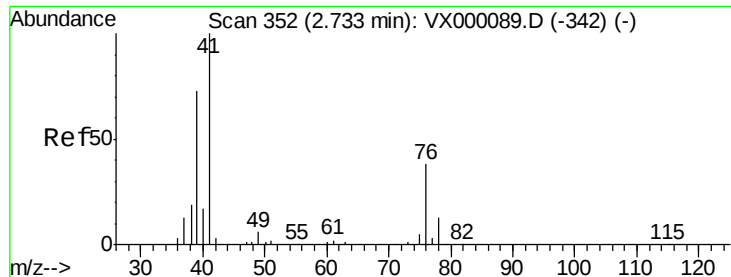
55 165.8 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

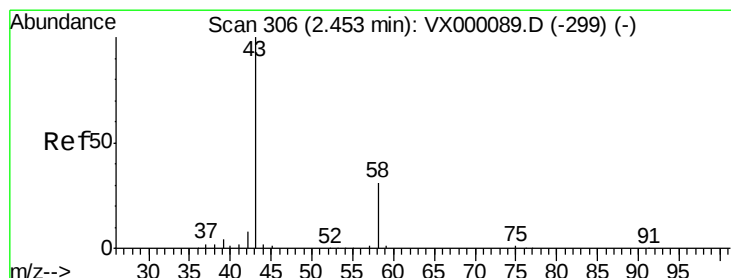
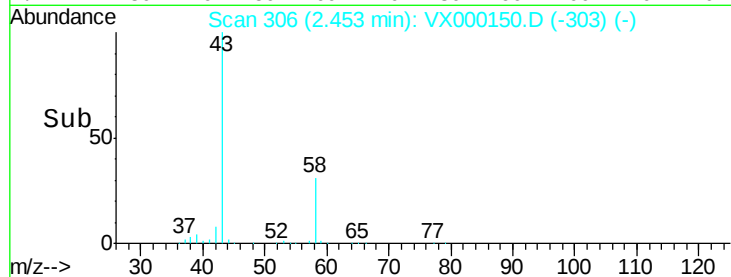
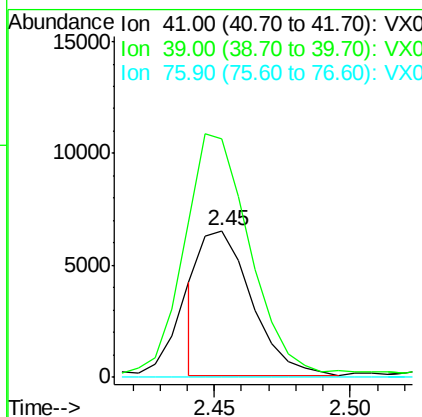
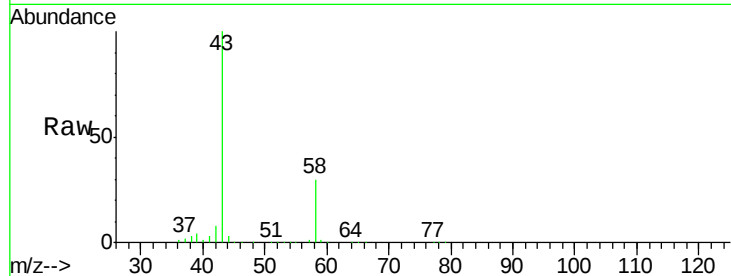




#14
 Allyl chloride
 Concen: 4.50 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.28 min
 Lab File: VX000150.D
 Acq: 27 Feb 2018 18:00

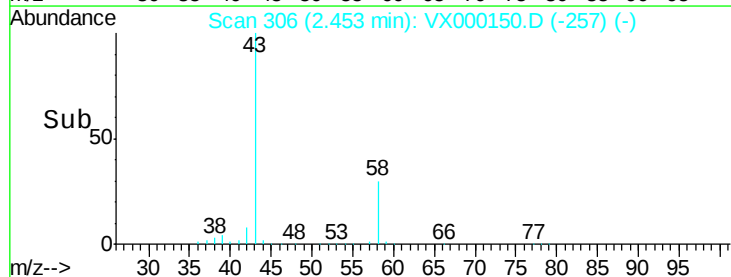
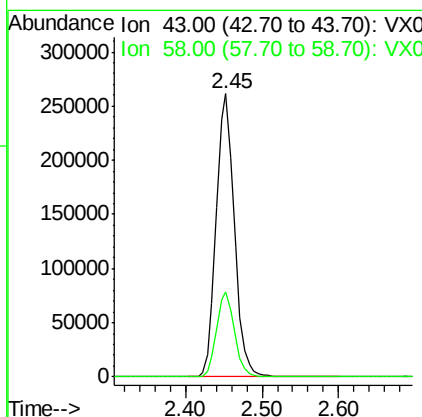
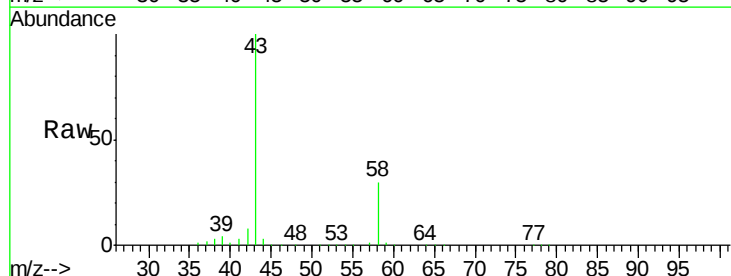
Instrument :
 ClientSampled :
 AFTER-CARBON-2

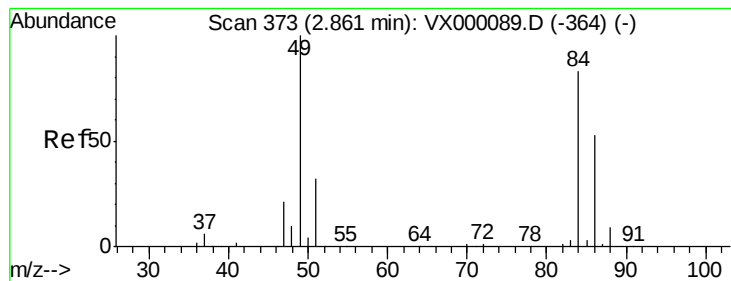
Tgt Ion: 41 Resp: 8507
 Ion Ratio Lower Upper
 41 100
 39 160.9 55.1 82.7#
 76 0.0 28.5 42.7#



#16
 Acetone
 Concen: 493.79 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX000150.D
 Acq: 27 Feb 2018 18:00

Tgt Ion: 43 Resp: 430888
 Ion Ratio Lower Upper
 43 100
 58 30.2 25.0 37.4





#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 375

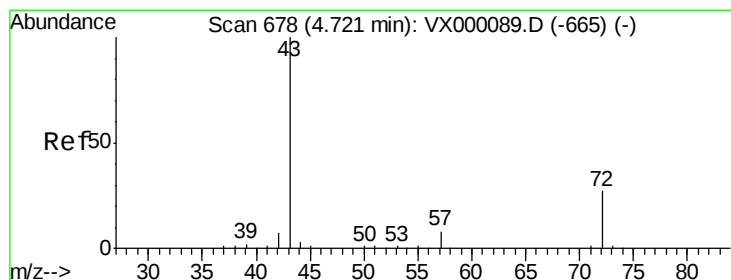
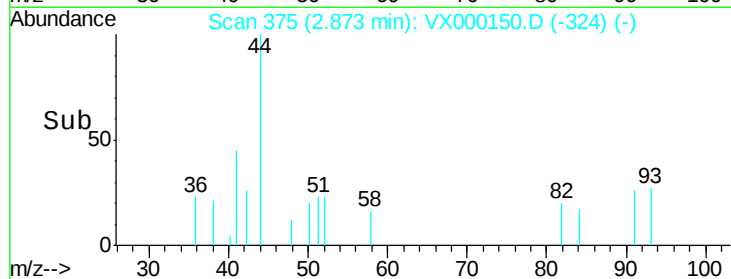
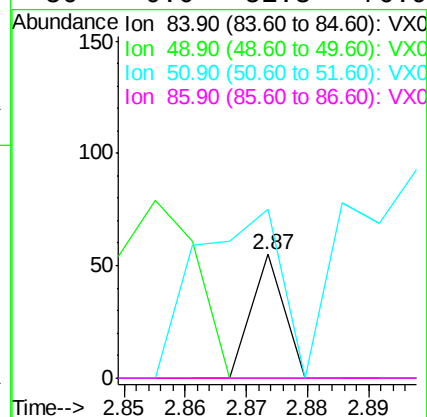
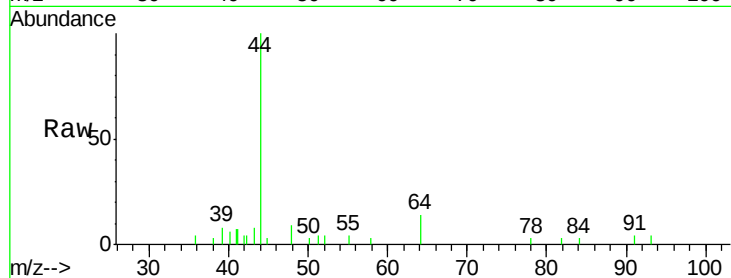
Delta R.T. 0.01 min

Lab File: VX000150.D

Acq: 27 Feb 2018 18:00

Instrument :
ClientSampled :
AFTER-CARBON-2

Tgt Ion:	84	Resp:	20
Ion	Ratio	Lower	Upper
84	100		
49	0.0	96.1	144.1#
51	29.1	30.5	45.7#
86	0.0	51.3	76.9#



#25

2-Butanone

Concen: 40.84 ug/l

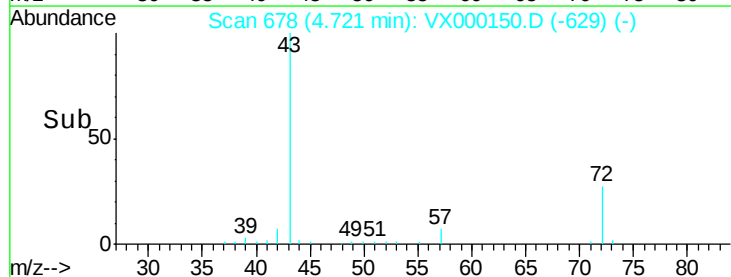
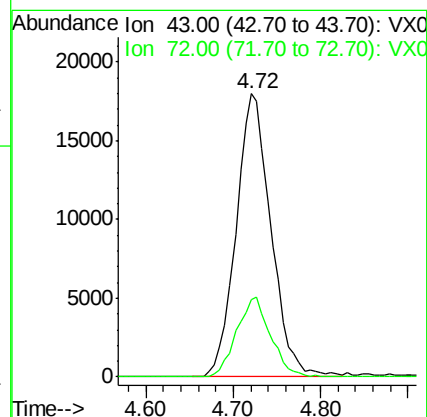
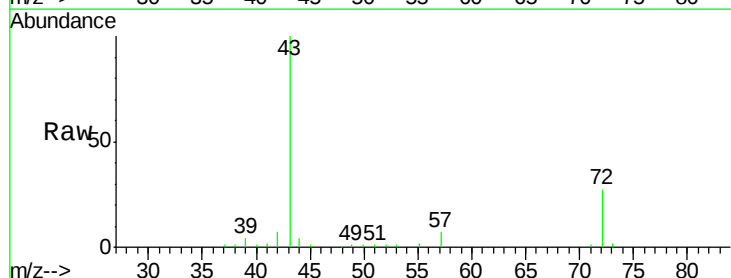
RT: 4.72 min Scan# 678

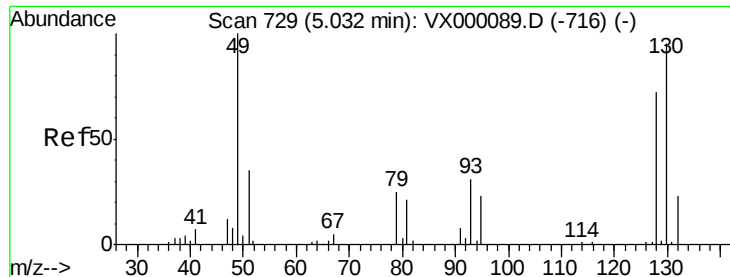
Delta R.T. 0.00 min

Lab File: VX000150.D

Acq: 27 Feb 2018 18:00

Tgt Ion:	43	Resp:	49749
Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.3	31.9





#28

Bromochloromethane

Concen: 1.64 ug/l

RT: 5.18 min Scan# 753

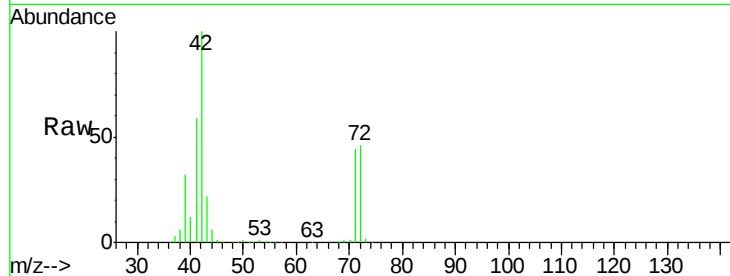
Delta R.T. 0.15 min

Lab File: VX000150.D

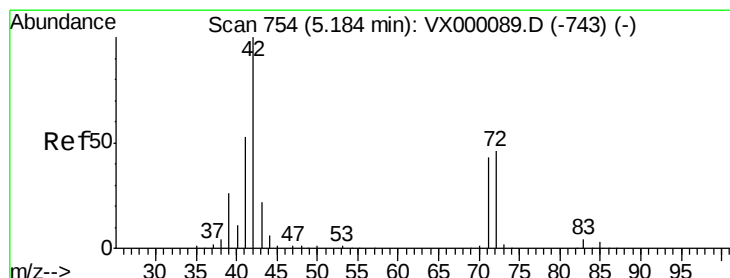
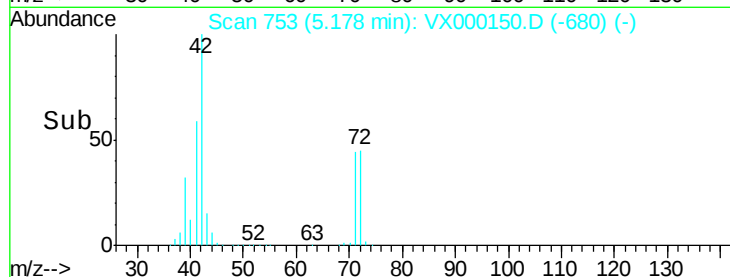
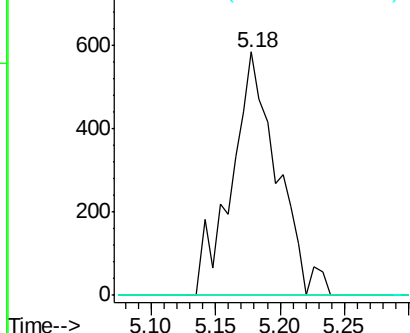
Acq: 27 Feb 2018 18:00

Instrument :
ClientSampled :
AFTER-CARBON-2

Tgt Ion: 49 Resp: 1434
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 0.0 71.9 107.9#



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



#29

Tetrahydrofuran

Concen: 821.49 ug/l

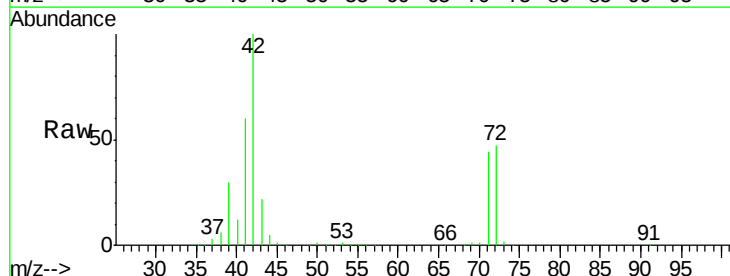
RT: 5.18 min Scan# 754

Delta R.T. 0.00 min

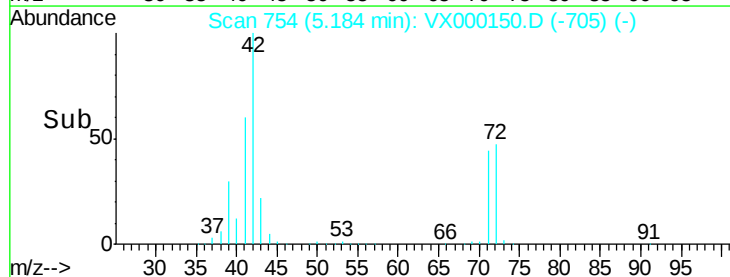
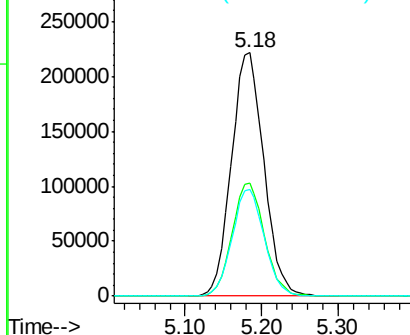
Lab File: VX000150.D

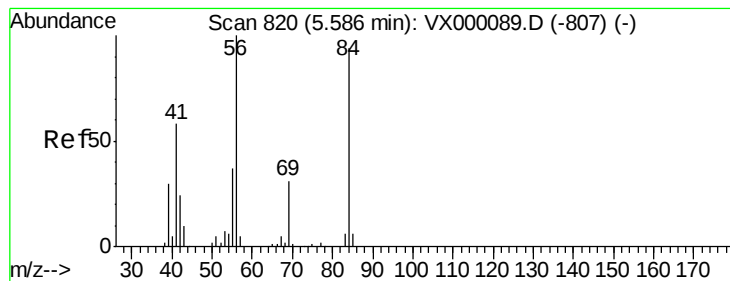
Acq: 27 Feb 2018 18:00

Tgt Ion: 42 Resp: 651692
Ion Ratio Lower Upper
42 100
72 46.1 38.6 58.0
71 43.5 36.2 54.4



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.67 ug/l

RT: 5.67 min Scan# 834

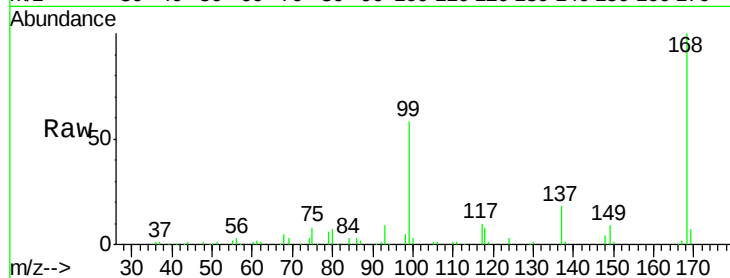
Delta R.T. 0.09 min

Lab File: VX000150.D

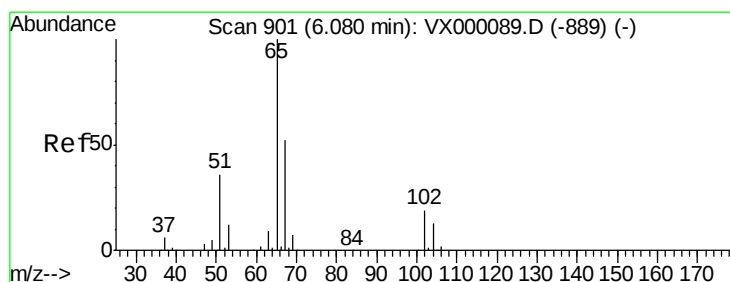
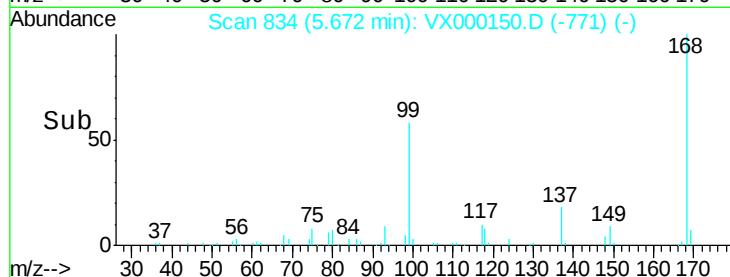
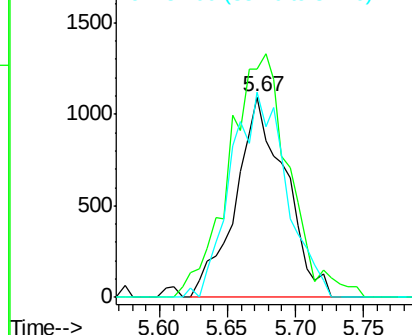
Acq: 27 Feb 2018 18:00

Instrument :
ClientSampled :
AFTER-CARBON-2

Tgt Ion: 56 Resp: 2810
Ion Ratio Lower Upper
56 100
69 107.2 24.9 37.3#
84 102.4 75.0 112.4



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: 50.33 ug/l

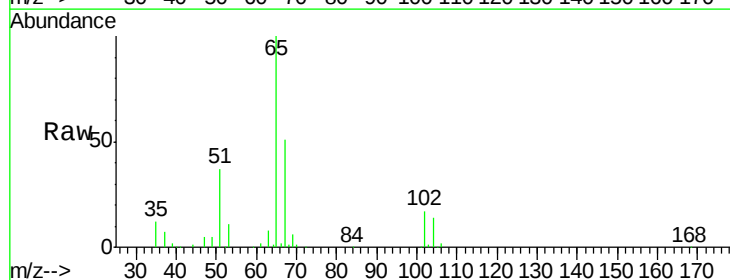
RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

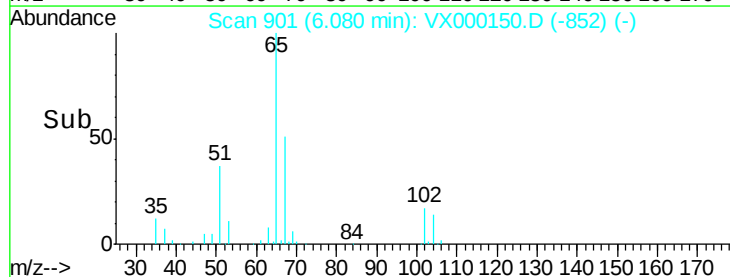
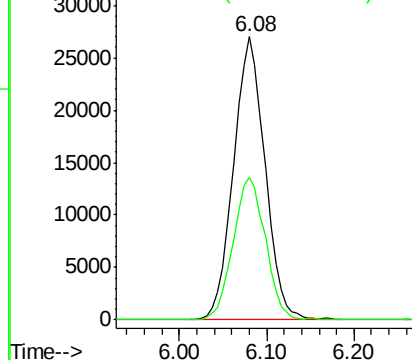
Lab File: VX000150.D

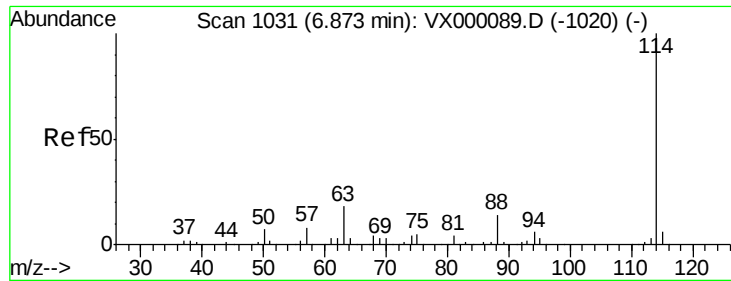
Acq: 27 Feb 2018 18:00

Tgt Ion: 65 Resp: 67718
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.8



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

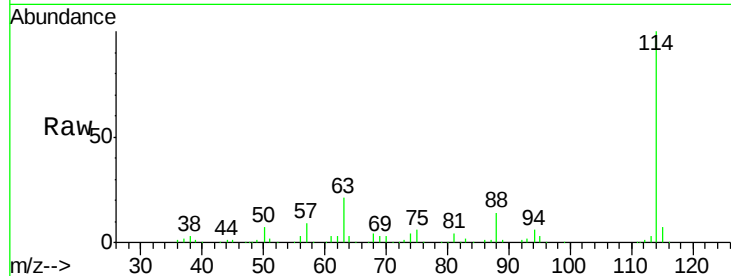




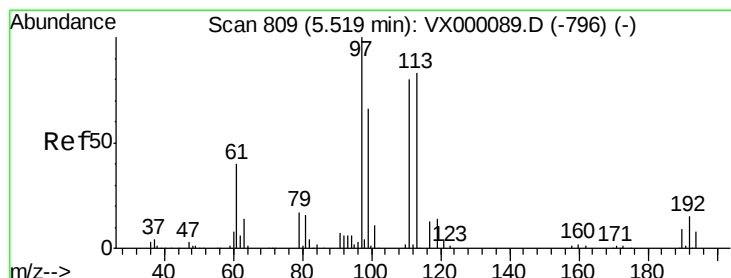
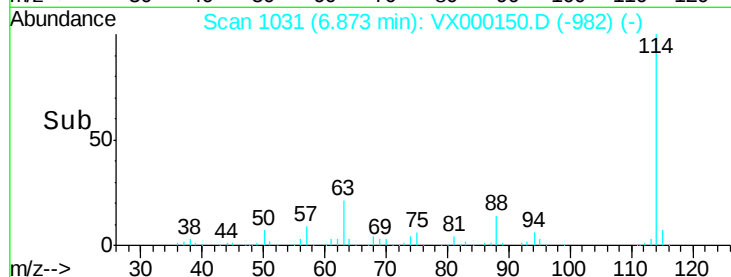
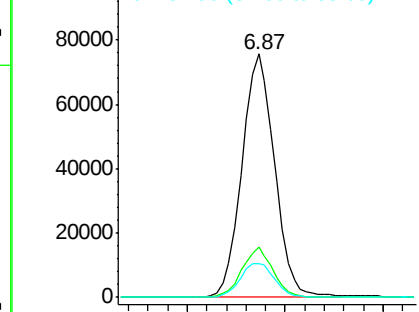
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000150.D
 Acq: 27 Feb 2018 18:00

Instrument :
 ClientSampleId :
 AFTER-CARBON-2

Tgt Ion:114 Resp: 175421
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 36.4
 88 13.9 0.0 29.0

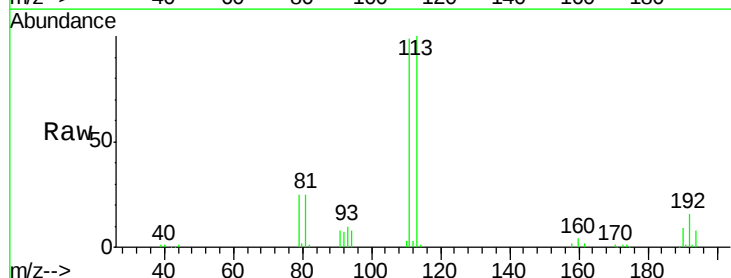


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

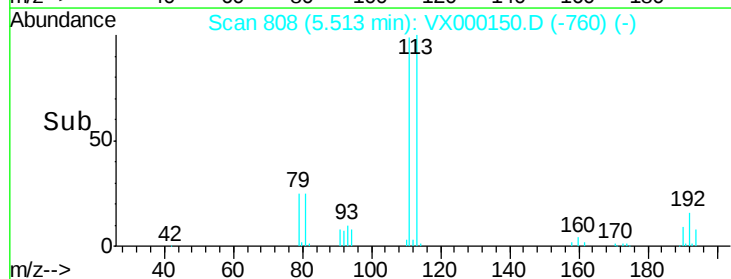
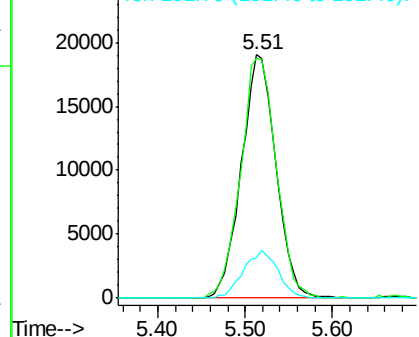


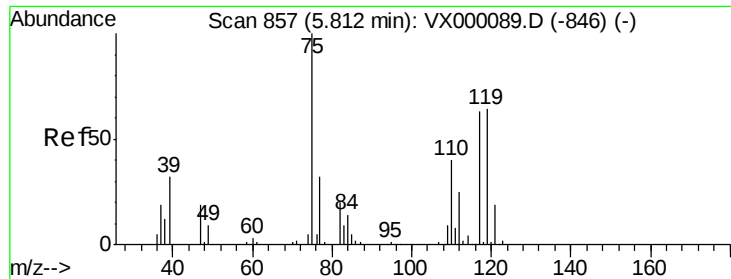
#35
 Dibromofluoromethane
 Concen: 47.15 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VX000150.D
 Acq: 27 Feb 2018 18:00

Tgt Ion:113 Resp: 52202
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.0 121.6
 192 19.6 15.7 23.5



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: 5.67 ug/l

RT: 5.68 min Scan# 835

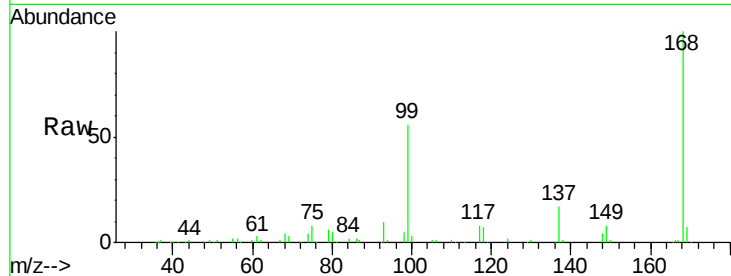
Delta R.T. -0.13 min

Lab File: VX000150.D

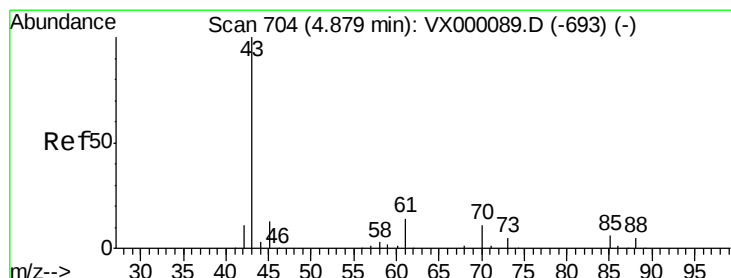
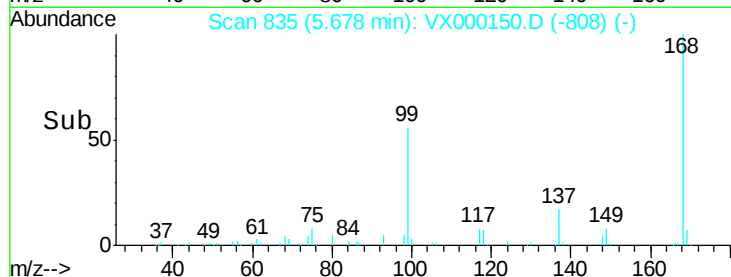
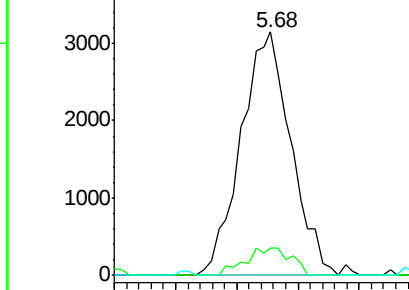
Acq: 27 Feb 2018 18:00

Instrument :
ClientSampled :
AFTER-CARBON-2

Tgt Ion:	75	Resp:	8923
Ion	Ratio	Lower	Upper
75	100		
110	10.4	19.5	58.5#
77	0.0	24.7	37.1#



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



#37

Ethyl Acetate

Concen: 23.00 ug/l

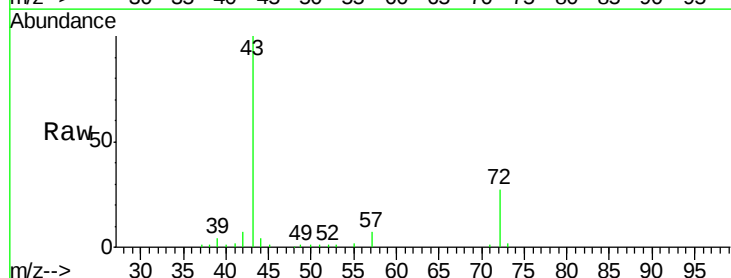
RT: 4.72 min Scan# 678

Delta R.T. -0.16 min

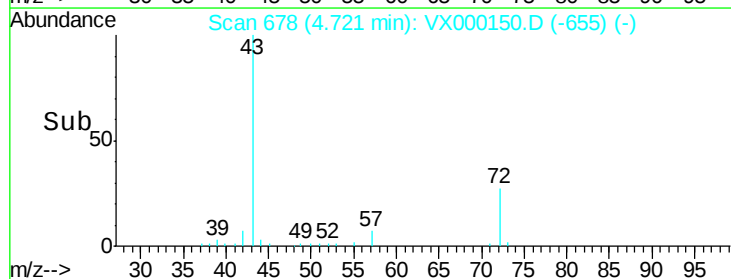
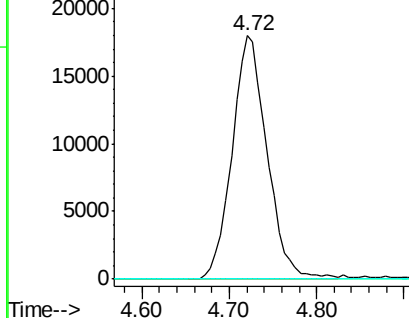
Lab File: VX000150.D

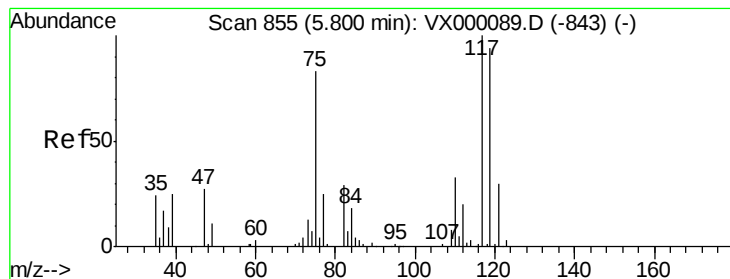
Acq: 27 Feb 2018 18:00

Tgt Ion:	43	Resp:	49749
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	9.0	13.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.66 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000150.D

Acq: 27 Feb 2018 18:00

Instrument :

ClientSampled :

AFTER-CARBON-2

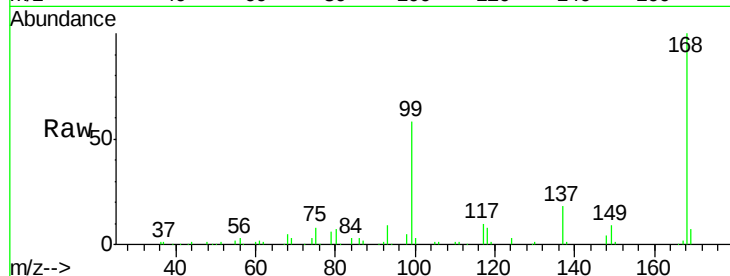
Tgt Ion:117 Resp: 11330

Ion Ratio Lower Upper

117 100

119 7.3 75.3 112.9#

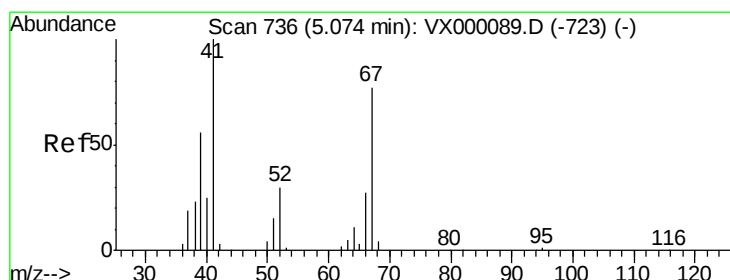
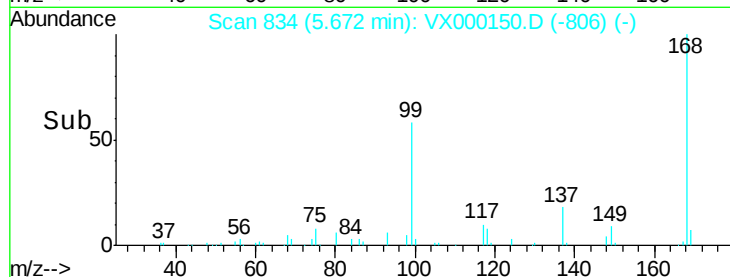
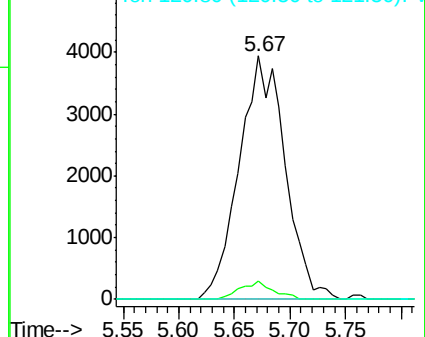
121 0.0 23.7 35.5#



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



#41

Methacrylonitrile

Concen: 374.13 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.11 min

Lab File: VX000150.D

Acq: 27 Feb 2018 18:00

Tgt Ion: 41 Resp: 384815

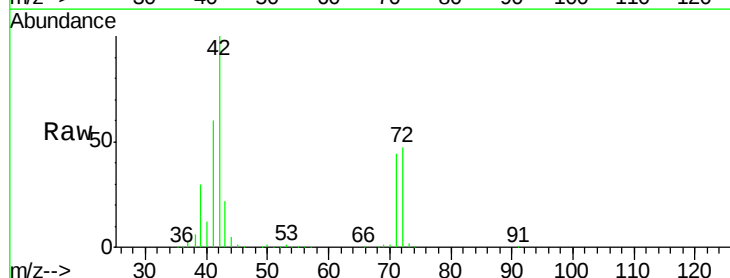
Ion Ratio Lower Upper

41 100

39 51.4 45.1 67.7

67 0.0 61.0 91.4#

52 0.1 25.8 38.6#

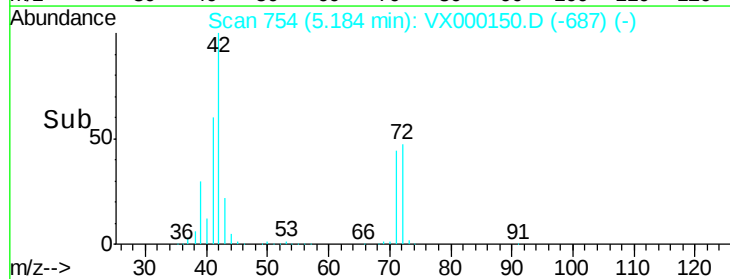
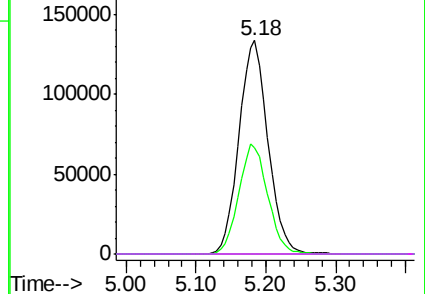


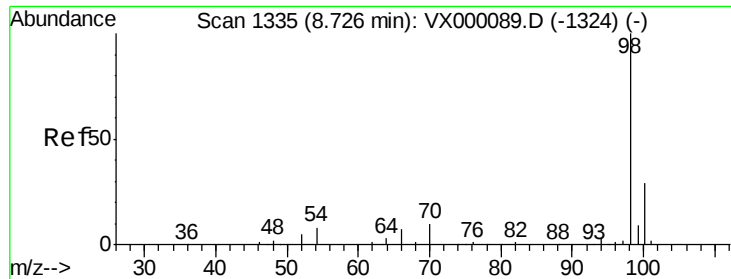
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#50

Toluene-d8

Concen: 47.96 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000150.D

Acq: 27 Feb 2018 18:00

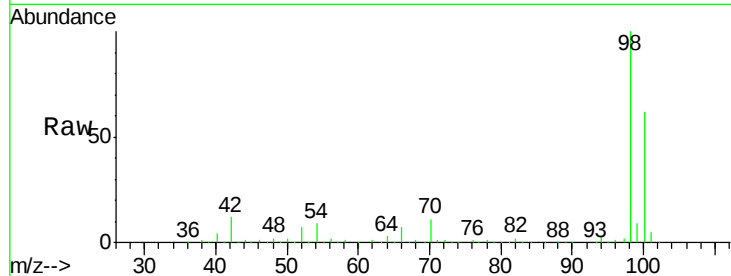
Instrument :
ClientSampled :
AFTER-CARBON-2

Tgt Ion: 98 Resp: 209479

Ion Ratio Lower Upper

98 100

100 63.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX000089.D (-1324) (-)

Ion 100.00 (99.70 to 100.70): VX000089.D (-1324) (-)

8.73

150000

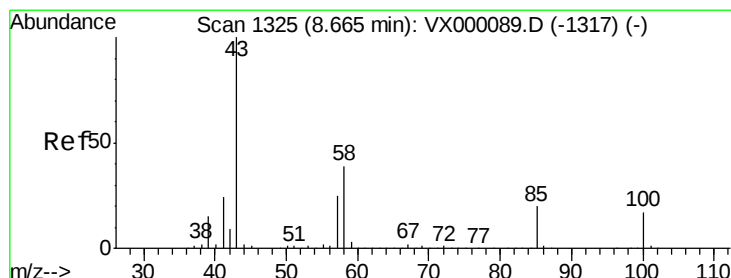
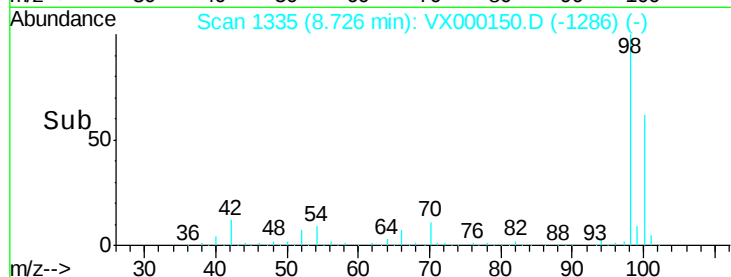
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.45 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.05 min

Lab File: VX000150.D

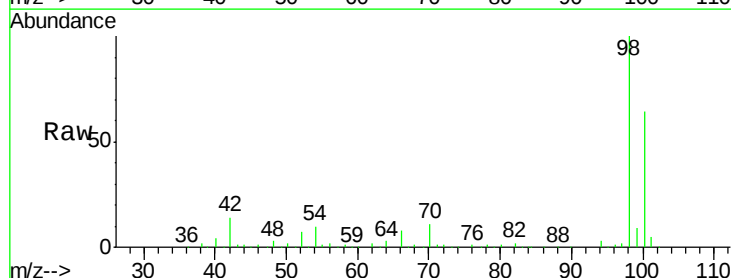
Acq: 27 Feb 2018 18:00

Tgt Ion: 43 Resp: 1024

Ion Ratio Lower Upper

43 100

58 176.4 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VX000089.D (-1317) (-)

Ion 58.00 (57.70 to 58.70): VX000089.D (-1317) (-)

8.72

1200

1000

800

600

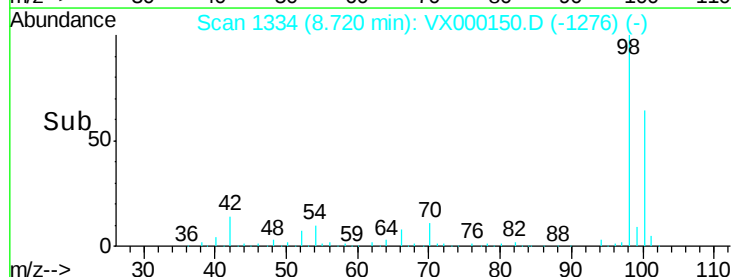
400

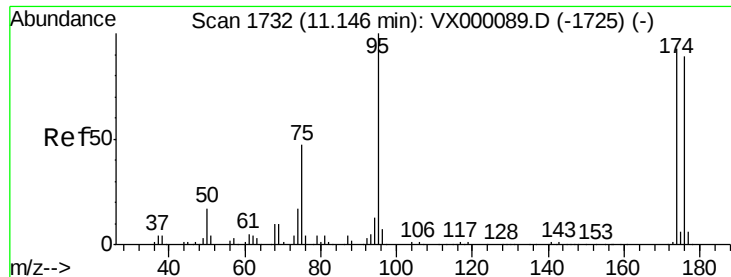
200

0

8.65 8.70 8.75

Time-->

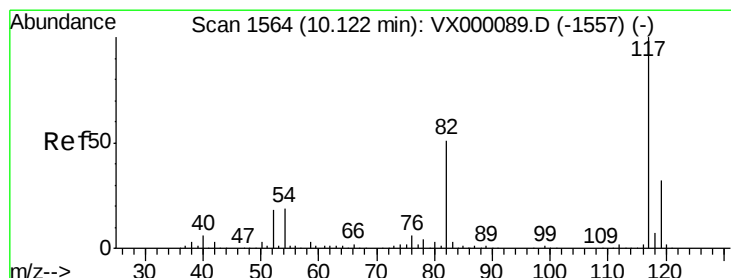
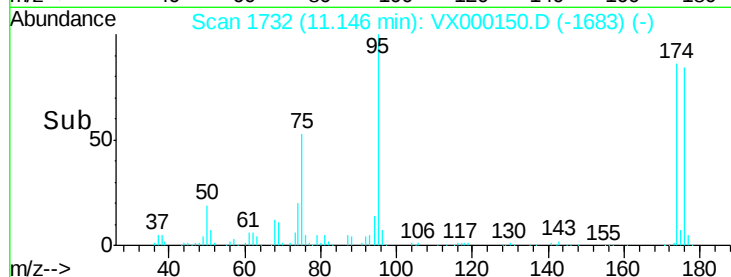
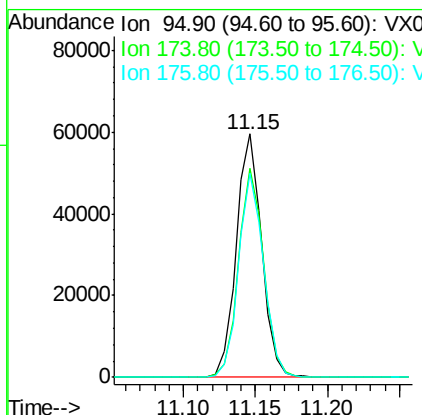
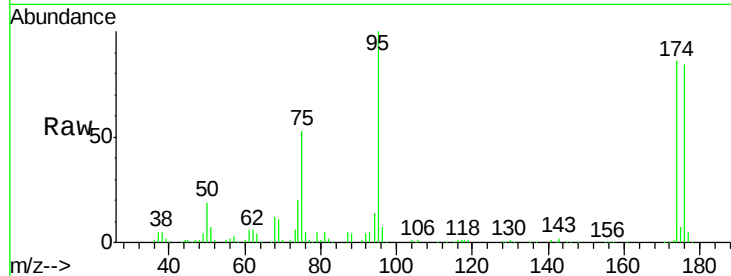




#62
4-Bromofluorobenzene
Concen: 42.64 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000150.D
Acq: 27 Feb 2018 18:00

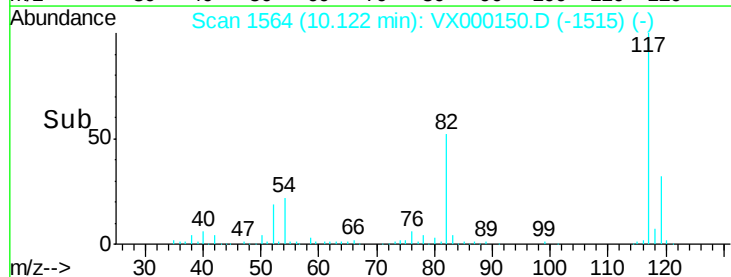
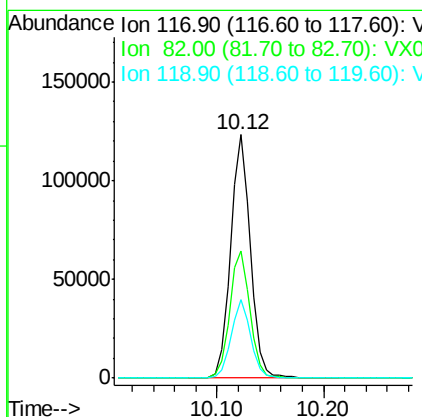
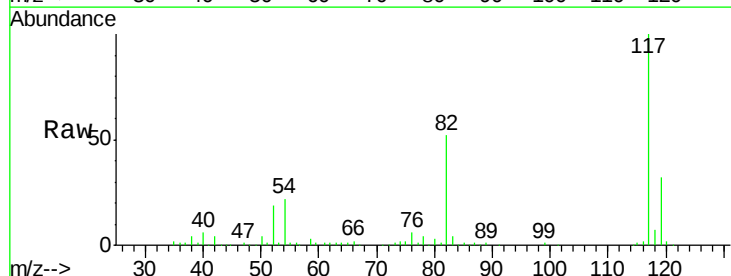
Instrument :
ClientSampled :
AFTER-CARBON-2

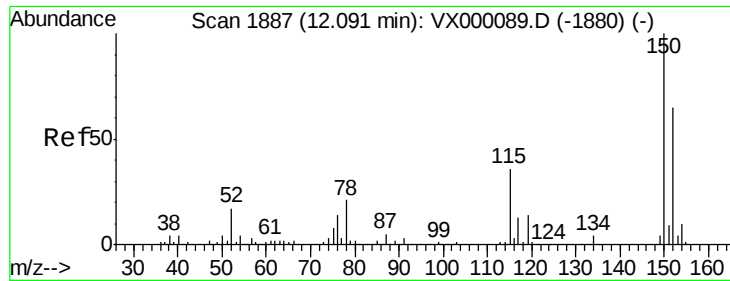
Tgt Ion: 95 Resp: 73025
Ion Ratio Lower Upper
95 100
174 85.0 0.0 187.8
176 82.6 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000150.D
Acq: 27 Feb 2018 18:00

Tgt Ion: 117 Resp: 160676
Ion Ratio Lower Upper
117 100
82 52.3 41.0 61.6
119 32.5 25.5 38.3



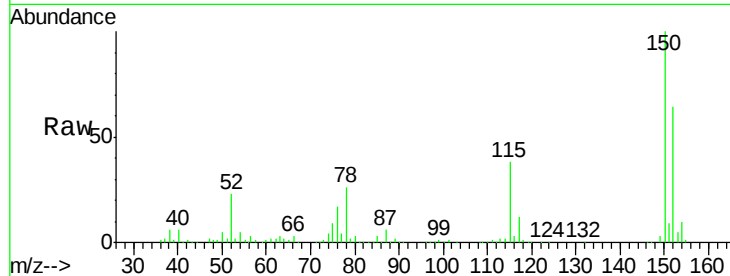


#72

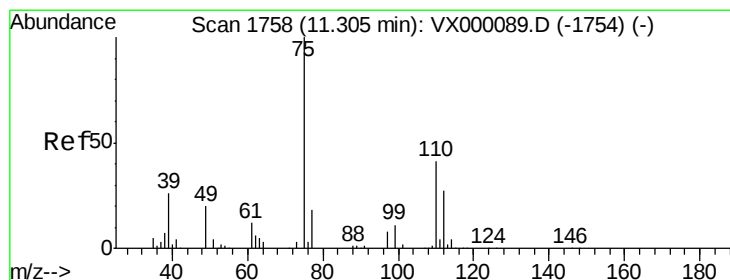
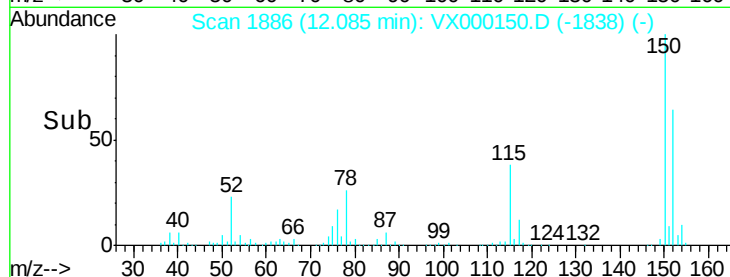
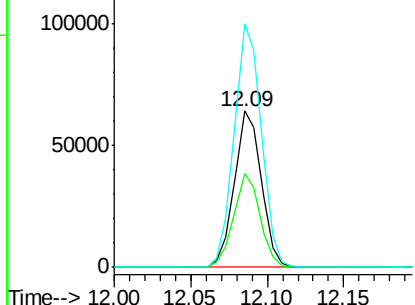
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000150.D
Acq: 27 Feb 2018 18:00

Instrument :
ClientSampleId :
AFTER-CARBON-2

Tgt Ion:152 Resp: 78352
Ion Ratio Lower Upper
152 100
115 58.6 39.1 117.2
150 157.3 0.0 348.2



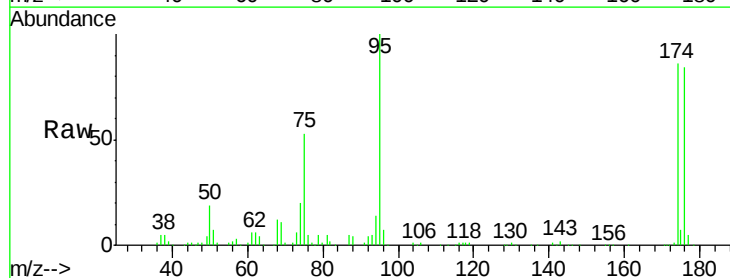
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



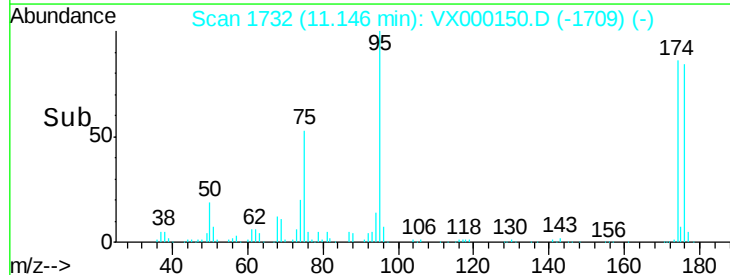
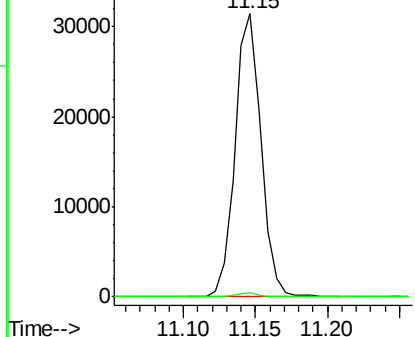
#76

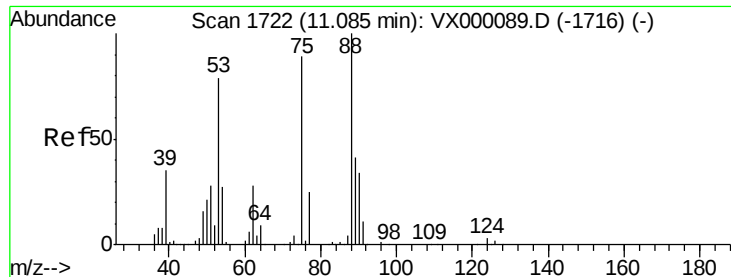
1,2,3-Trichloropropane
Concen: 24.37 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.16 min
Lab File: VX000150.D
Acq: 27 Feb 2018 18:00

Tgt Ion: 75 Resp: 39561
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: 69.42 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000150.D

Acq: 27 Feb 2018 18:00

Instrument :

ClientSampleId :
AFTER-CARBON-2

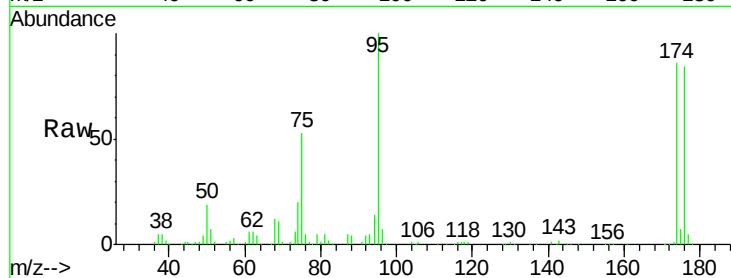
Tgt Ion: 75 Resp: 39561

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

89 0.0 40.6 60.8#



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

