

Data File : VX000174.D
Acq On : 28 Feb 2018 18:23
Operator : JC/MD
Sample : J1674-05RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FINAL-EFFLUENT

Quant Time: Mar 01 06:34:50 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	136686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	242009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	236916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	126382	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	109039	63.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.76%	
35) Dibromofluoromethane	5.51	113	81586	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
50) Toluene-d8	8.73	98	301249	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.15	95	116174	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

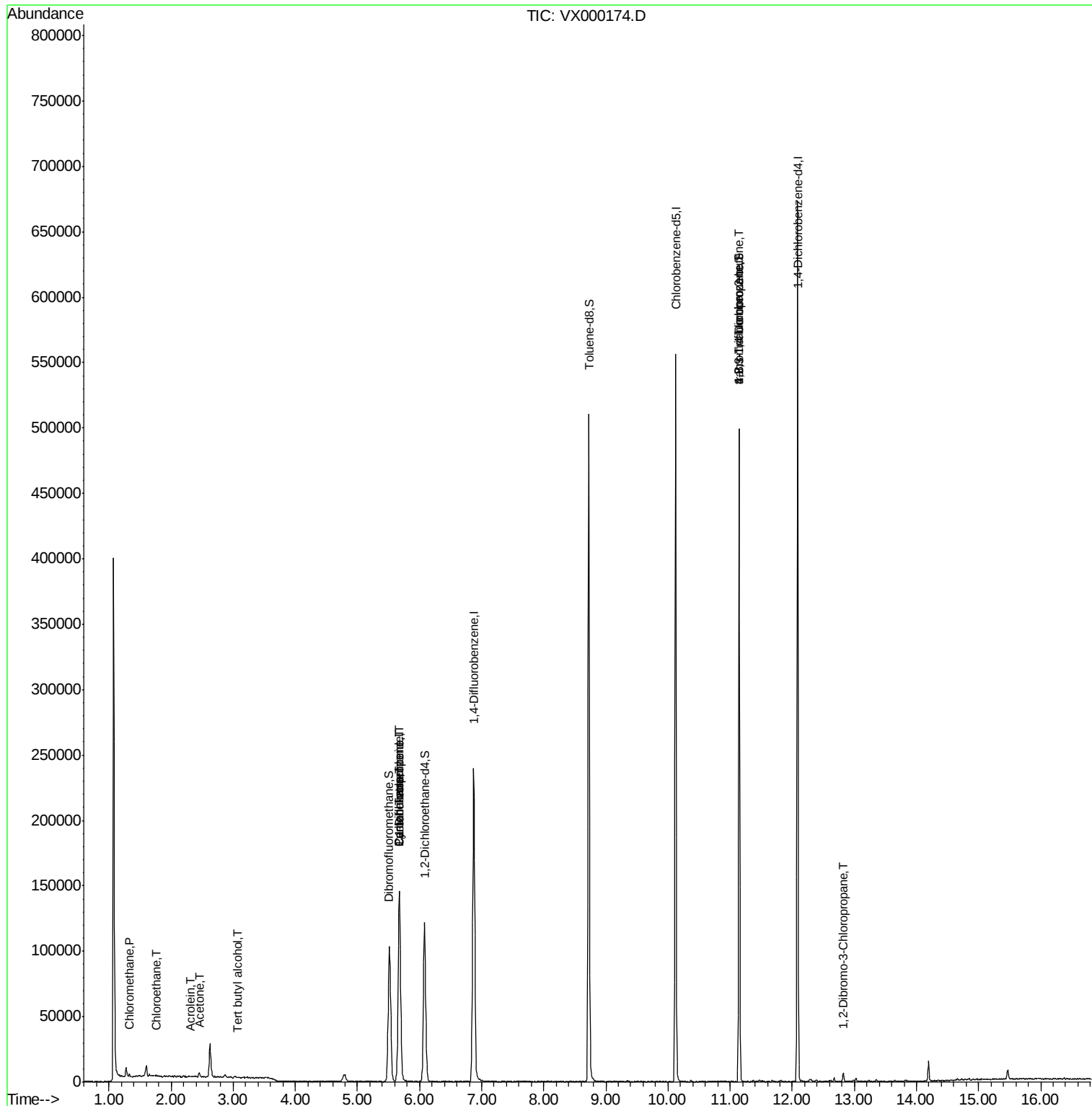
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	1086	0.79	ug/l #	75
5) Bromomethane	1.65	94	347	Below	Cal	98
6) Chloroethane	1.76	64	268	0.26	ug/l #	84
11) Tert butyl alcohol	3.07	59	431	0.66	ug/l #	88
13) Acrolein	2.31	56	159	0.51	ug/l #	55
16) Acetone	2.45	43	3376	3.05	ug/l	95
20) Methylene Chloride	2.86	84	869	Below	Cal #	77
31) Cyclohexane	5.67	56	3304	1.55	ug/l #	46
36) 1,1-Dichloropropene	5.68	75	11247	5.18	ug/l #	49
38) Carbon Tetrachloride	5.67	117	14520	6.19	ug/l #	16
41) Methacrylonitrile	5.07	41	23	Below	Cal #	21
76) 1,2,3-Trichloropropane	11.15	75	64807	24.75	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	64807	70.50	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.82	75	268	0.35	ug/l #	1

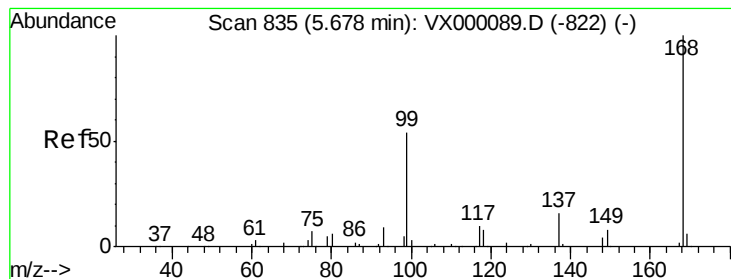
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000174.D

Acq: 28 Feb 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

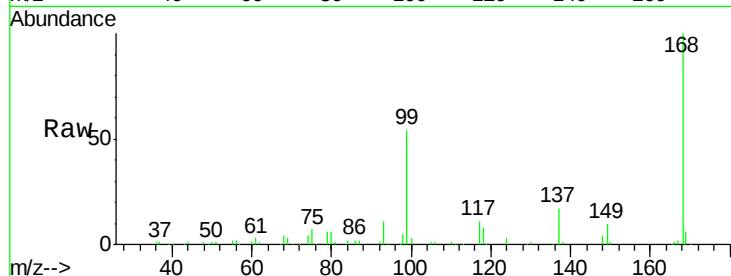
FINAL-EFFLUENT

Tgt Ion:168 Resp: 136686

Ion Ratio Lower Upper

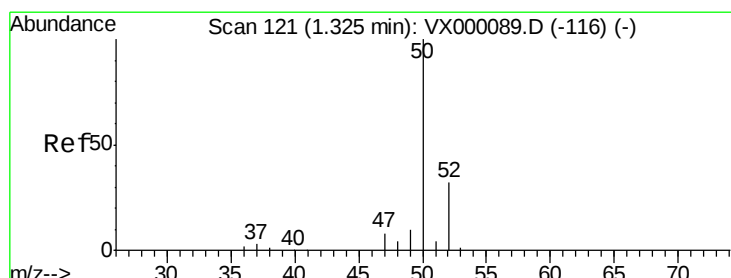
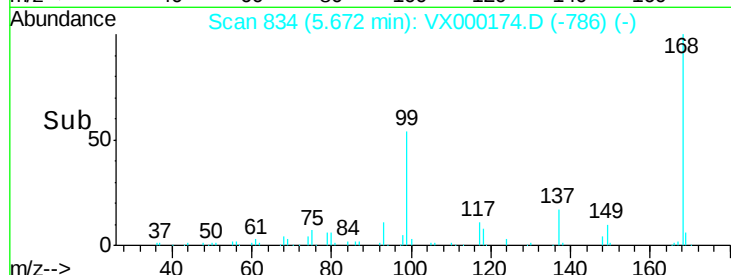
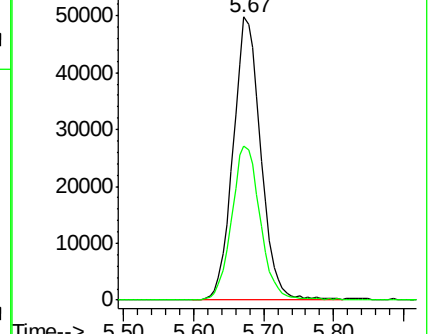
168 100

99 54.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.79 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000174.D

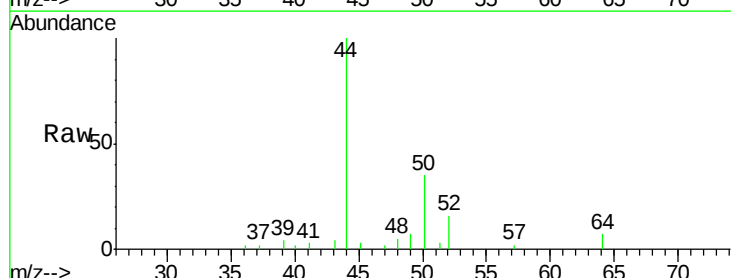
Acq: 28 Feb 2018 18:23

Tgt Ion: 50 Resp: 1086

Ion Ratio Lower Upper

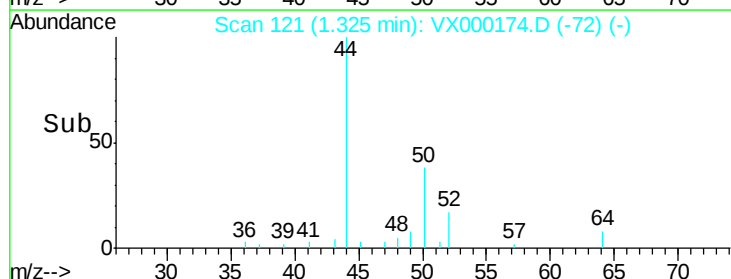
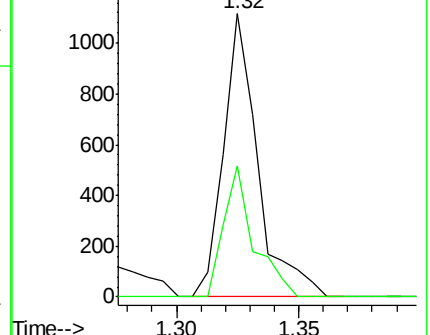
50 100

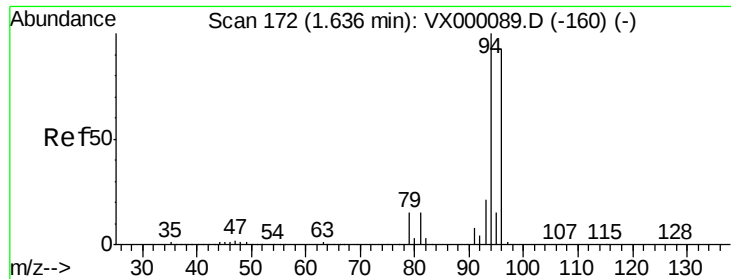
52 46.1 25.9 38.9#



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: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX000174.D

Acq: 28 Feb 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

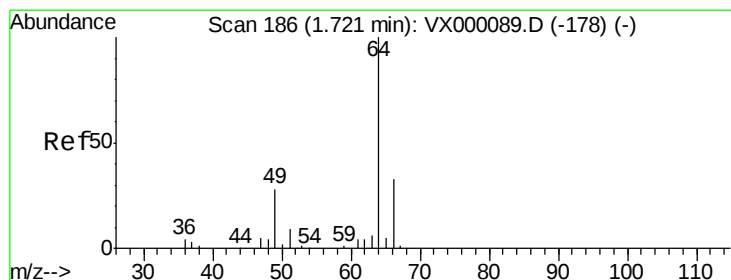
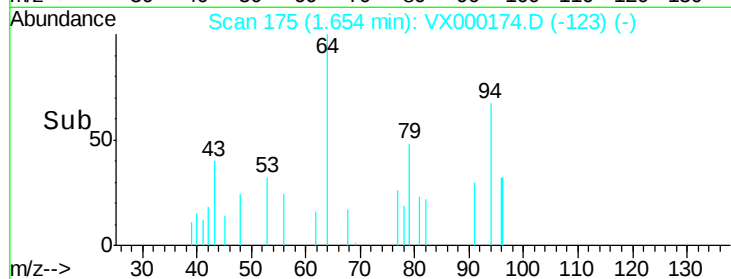
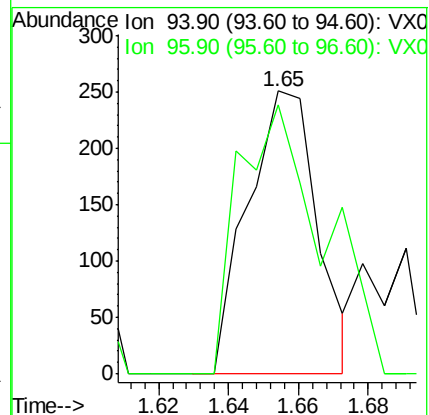
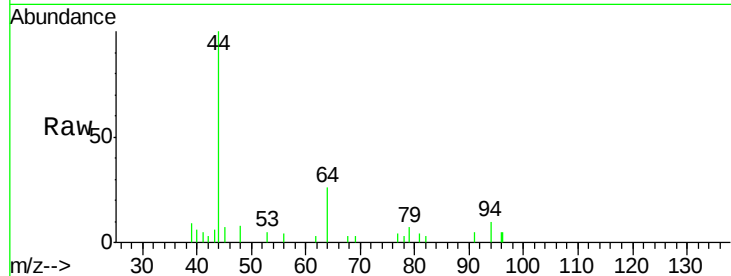
FINAL-EFFLUENT

Tgt Ion: 94 Resp: 347

Ion Ratio Lower Upper

94 100

96 94.8 74.6 112.0



#6

Chloroethane

Concen: 0.26 ug/l

RT: 1.76 min Scan# 192

Delta R.T. 0.04 min

Lab File: VX000174.D

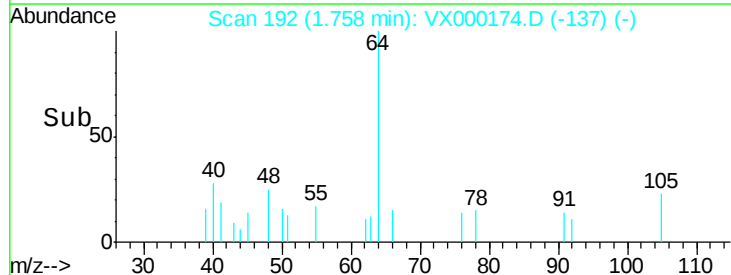
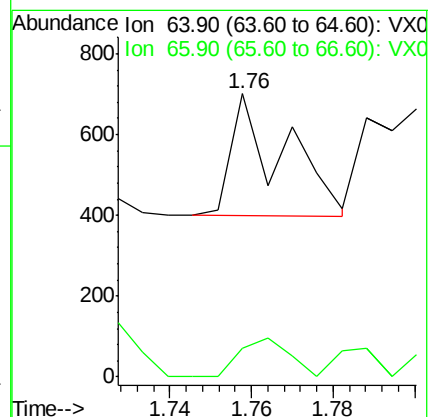
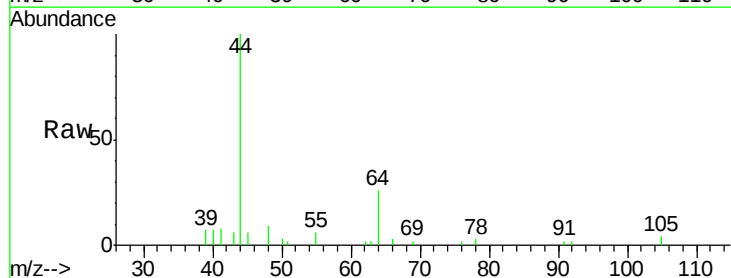
Acq: 28 Feb 2018 18:23

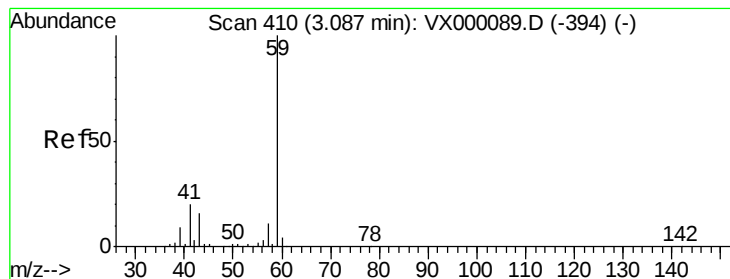
Tgt Ion: 64 Resp: 268

Ion Ratio Lower Upper

64 100

66 23.6 26.0 39.0#





#11

Tert butyl alcohol

Concen: 0.66 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX000174.D

Acq: 28 Feb 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

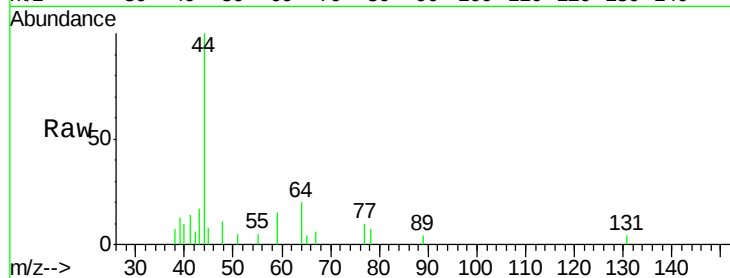
FINAL-EFFLUENT

Tgt Ion: 59 Resp: 431

Ion Ratio Lower Upper

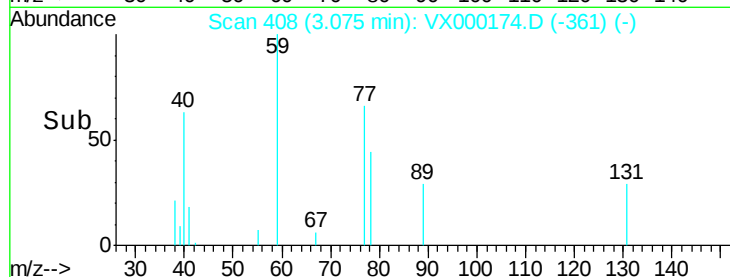
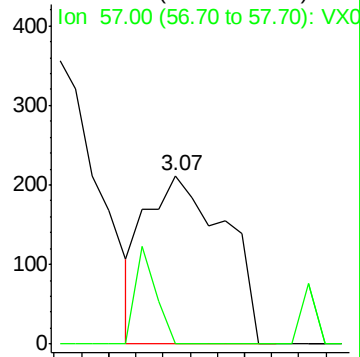
59 100

57 14.8 8.3 12.5#

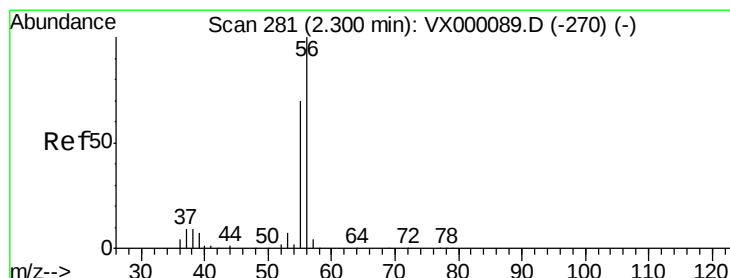


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->



#13

Acrolein

Concen: 0.51 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX000174.D

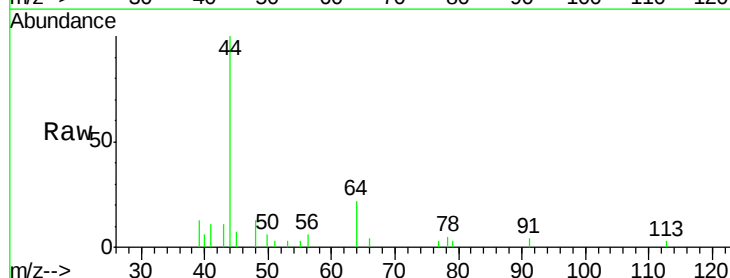
Acq: 28 Feb 2018 18:23

Tgt Ion: 56 Resp: 159

Ion Ratio Lower Upper

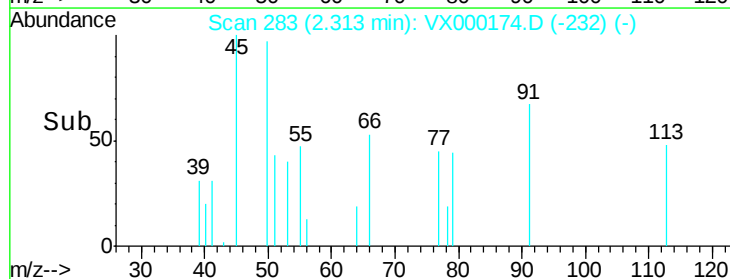
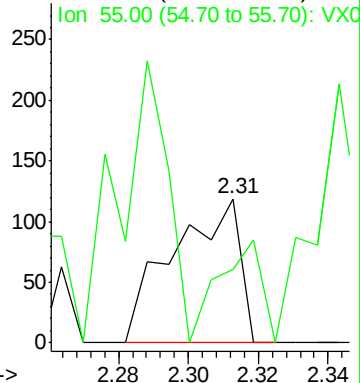
56 100

55 33.3 56.2 84.4#

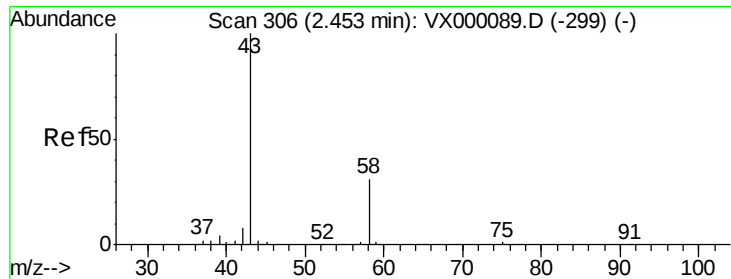


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 3.05 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000174.D

Acq: 28 Feb 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

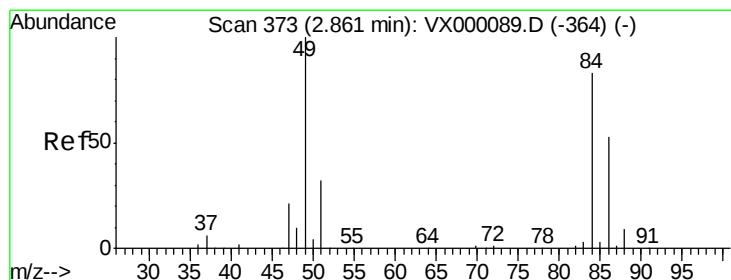
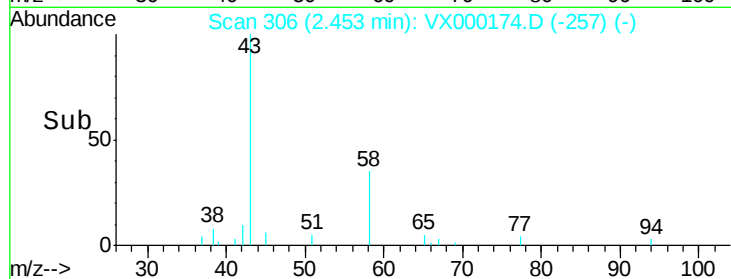
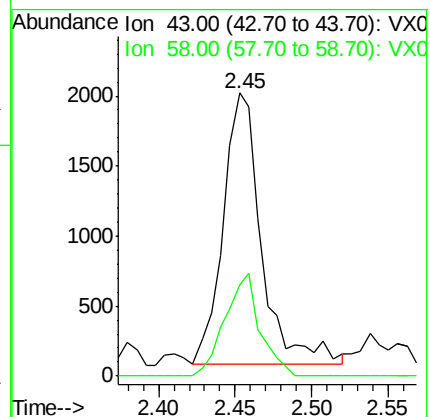
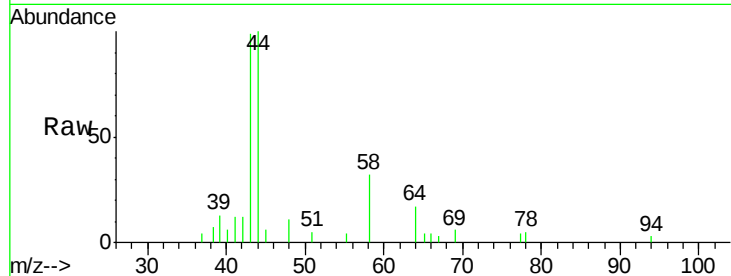
FINAL-EFFLUENT

Tgt Ion: 43 Resp: 3376

Ion Ratio Lower Upper

43 100

58 33.8 25.0 37.4



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000174.D

Acq: 28 Feb 2018 18:23

Tgt Ion: 84 Resp: 869

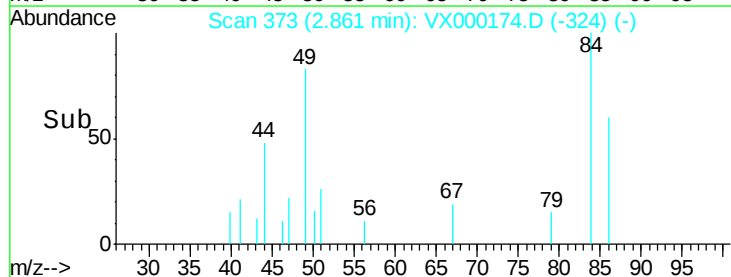
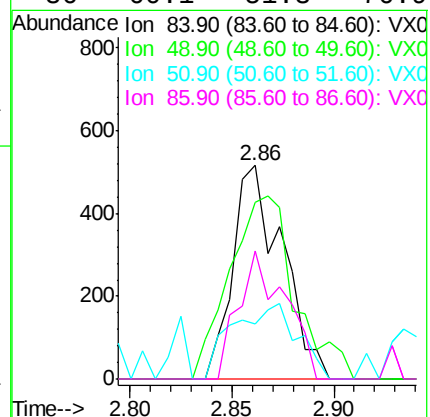
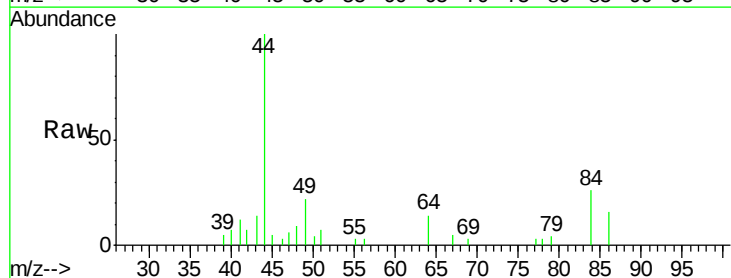
Ion Ratio Lower Upper

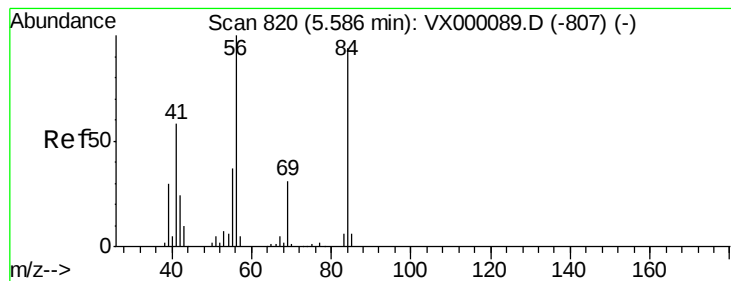
84 100

49 82.9 96.1 144.1#

51 25.8 30.5 45.7#

86 60.1 51.3 76.9





#31

Cyclohexane

Concen: 1.55 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000174.D

Acq: 28 Feb 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

FINAL-EFFLUENT

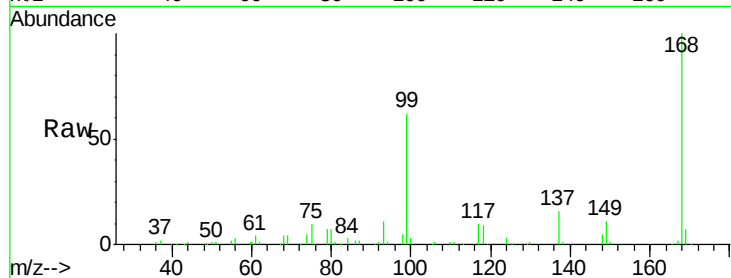
Tgt Ion: 56 Resp: 3304

Ion Ratio Lower Upper

56 100

69 134.0 24.9 37.3#

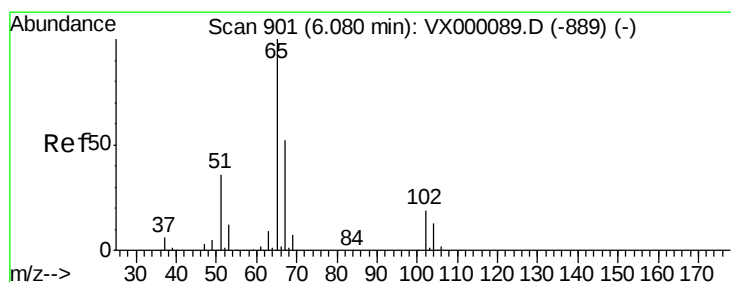
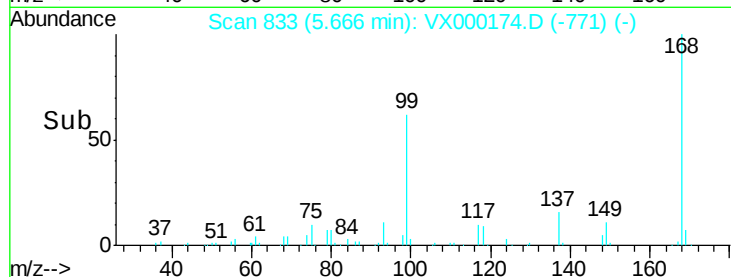
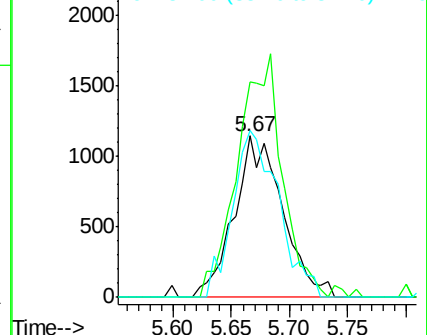
84 103.6 75.0 112.4



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: 63.88 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000174.D

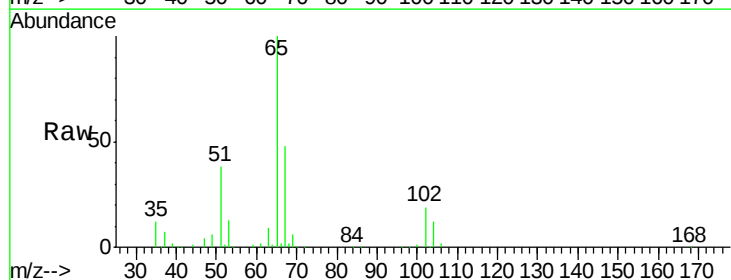
Acq: 28 Feb 2018 18:23

Tgt Ion: 65 Resp: 109039

Ion Ratio Lower Upper

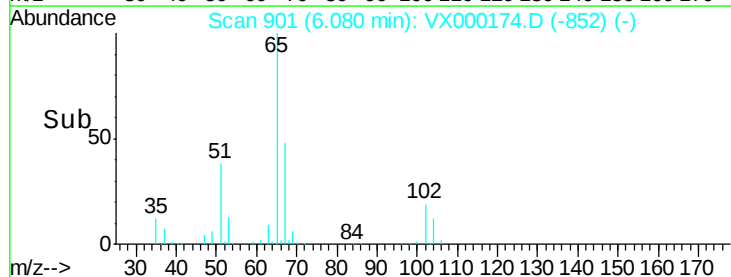
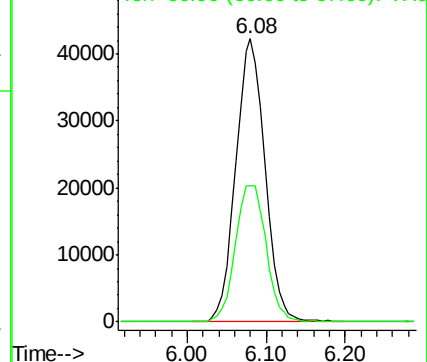
65 100

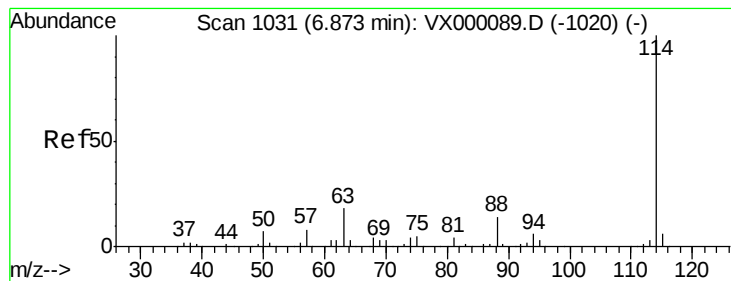
67 50.9 0.0 104.8



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: VX000174.D

Acq: 28 Feb 2018 18:23

Instrument :

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FINAL-EFFLUENT

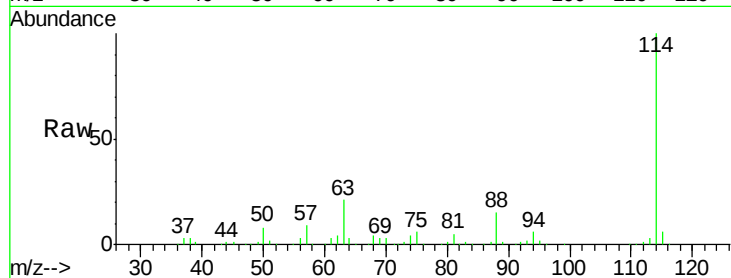
Tgt Ion:114 Resp: 242009

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

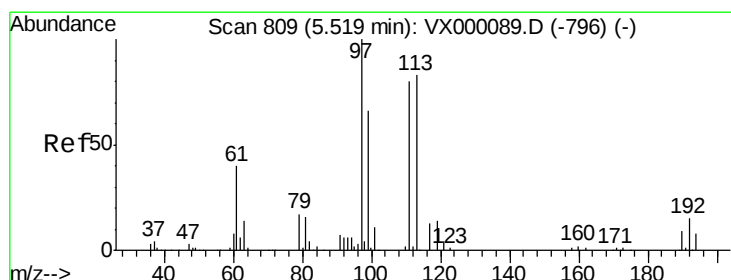
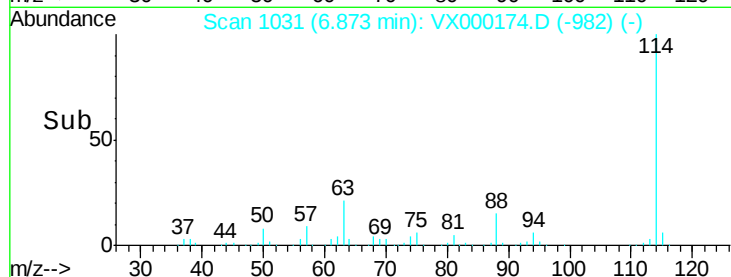
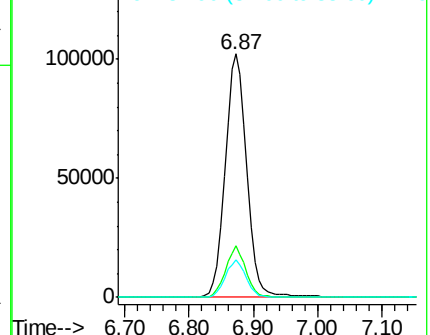
88 15.3 0.0 29.0



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: 53.41 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.01 min

Lab File: VX000174.D

Acq: 28 Feb 2018 18:23

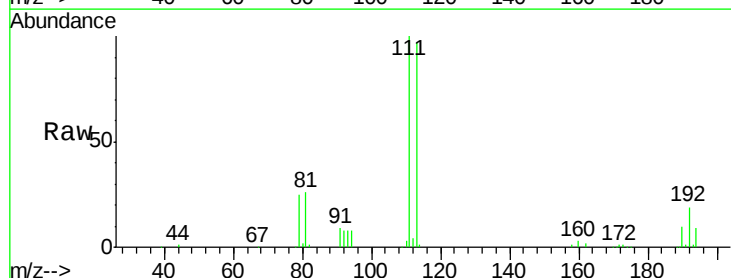
Tgt Ion:113 Resp: 81586

Ion Ratio Lower Upper

113 100

111 102.6 81.0 121.6

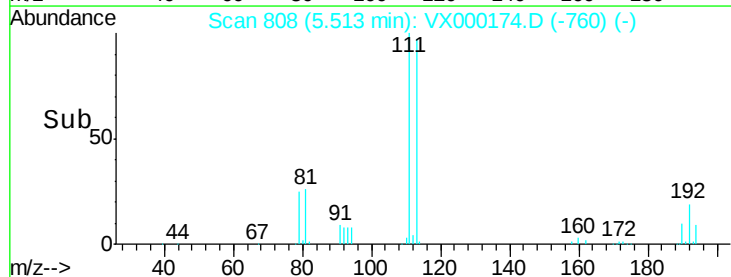
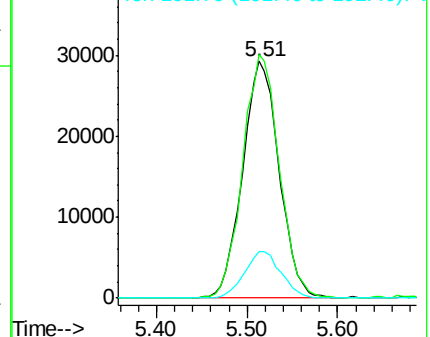
192 19.8 15.7 23.5

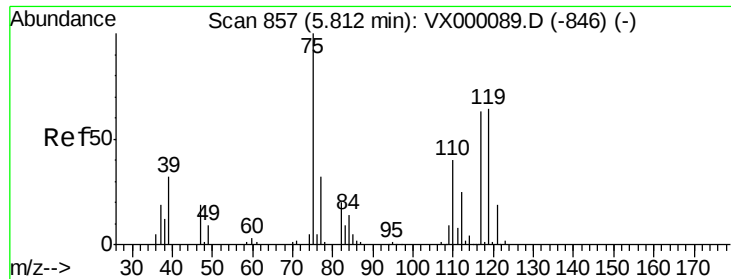


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

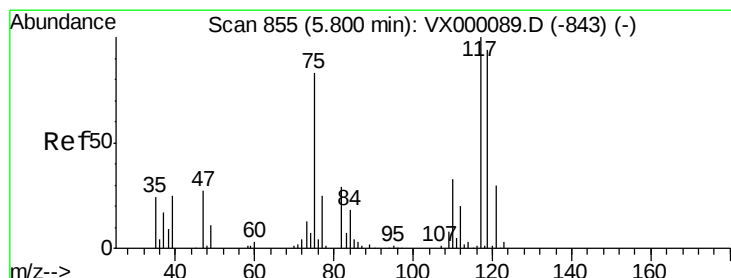
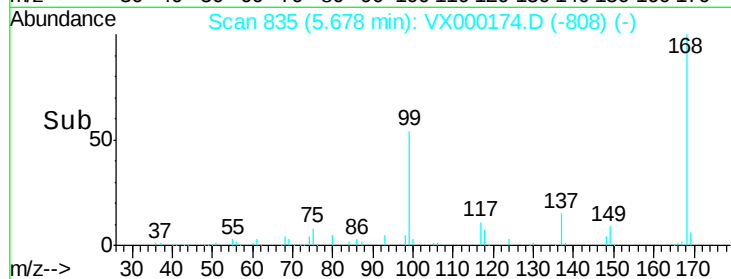
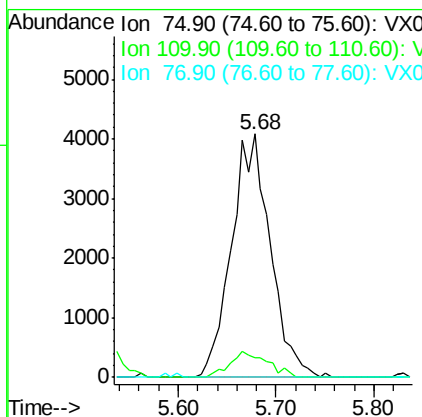
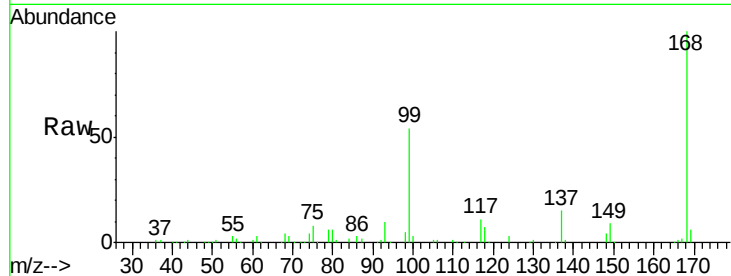




#36
 1,1-Dichloropropene
 Concen: 5.18 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000174.D
 Acq: 28 Feb 2018 18:23

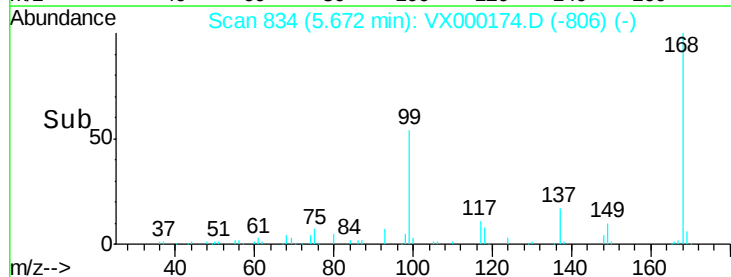
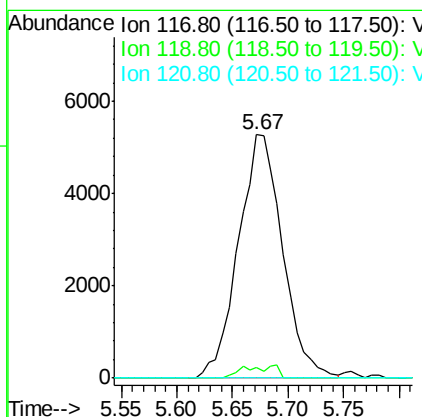
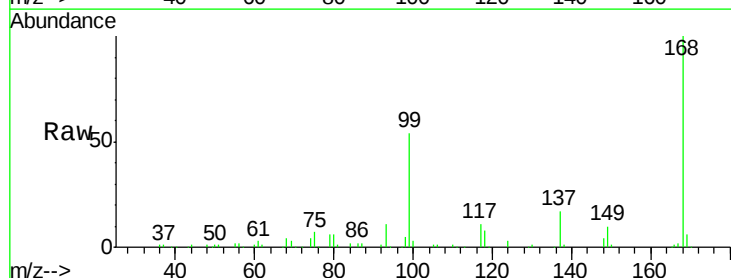
Instrument :
 MSVOA_X
 ClientSampleId :
 FINAL-EFFLUENT

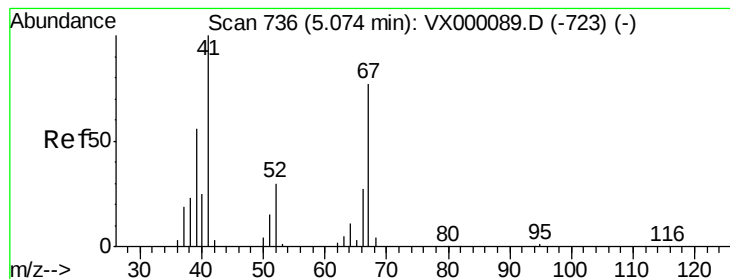
Tgt Ion: 75 Resp: 11247
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.19 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000174.D
 Acq: 28 Feb 2018 18:23

Tgt Ion: 117 Resp: 14520
 Ion Ratio Lower Upper
 117 100
 119 4.2 75.3 112.9#
 121 0.0 23.7 35.5#





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX000174.D

Acq: 28 Feb 2018 18:23

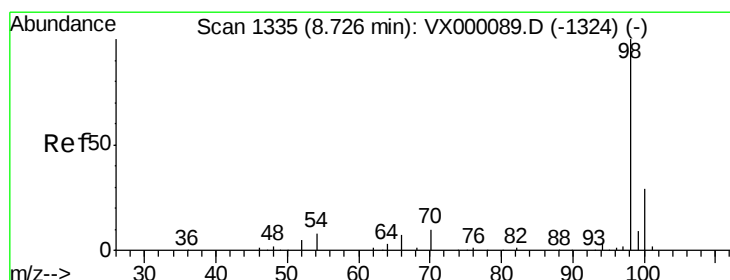
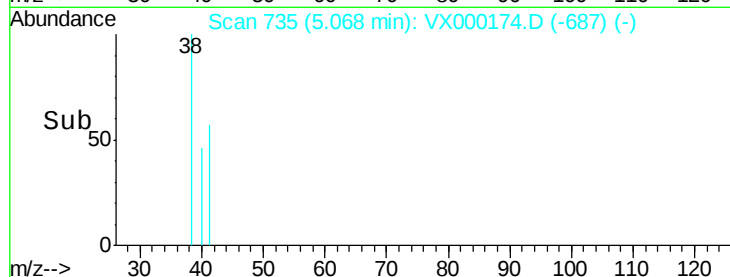
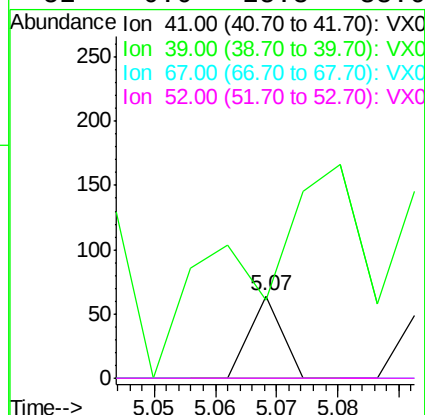
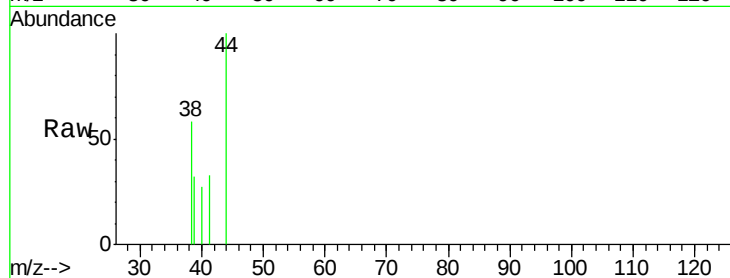
Instrument :

MSVOA_X

ClientSampleId :

FINAL-EFFLUENT

Tgt Ion:	41	Resp:	23
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.1	67.7#
67	0.0	61.0	91.4#
52	0.0	25.8	38.6#



#50

Toluene-d8

Concen: 50.00 ug/l

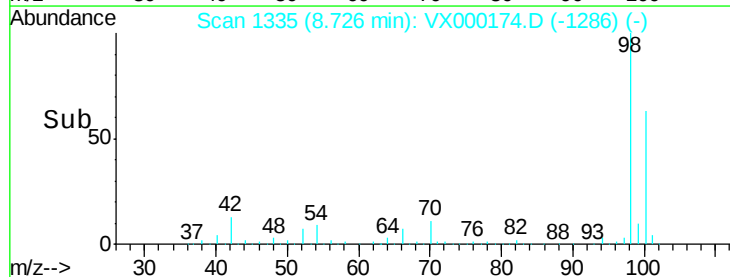
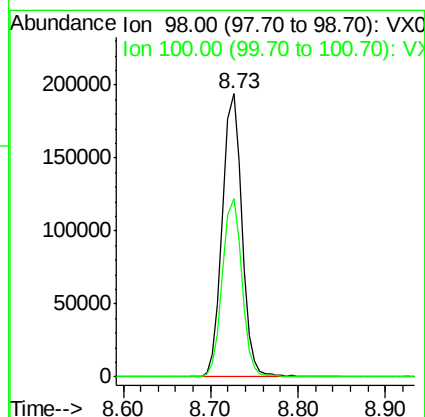
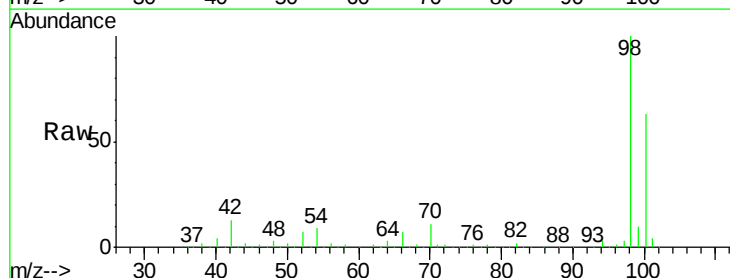
RT: 8.73 min Scan# 1335

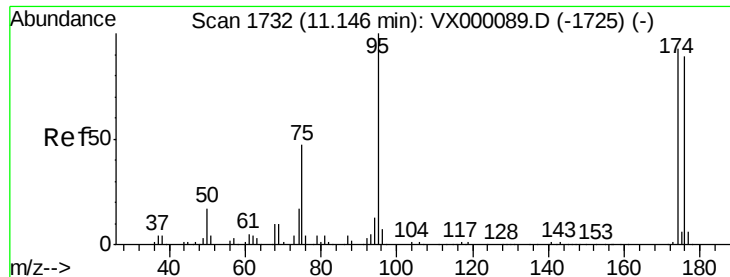
Delta R.T. 0.00 min

Lab File: VX000174.D

Acq: 28 Feb 2018 18:23

Tgt Ion:	98	Resp:	301249
Ion	Ratio	Lower	Upper
98	100		
100	63.0	52.2	78.2

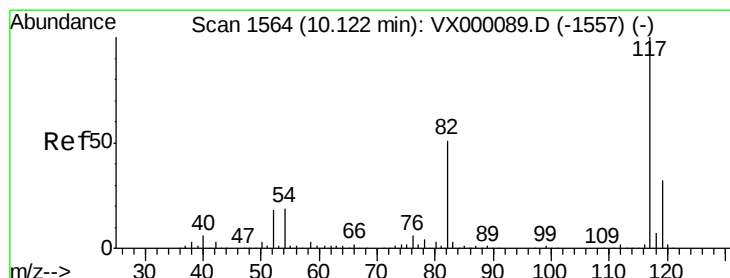
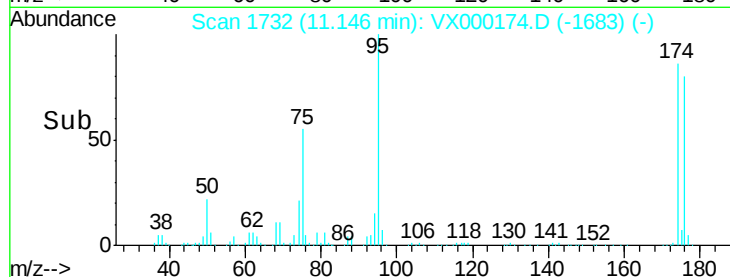
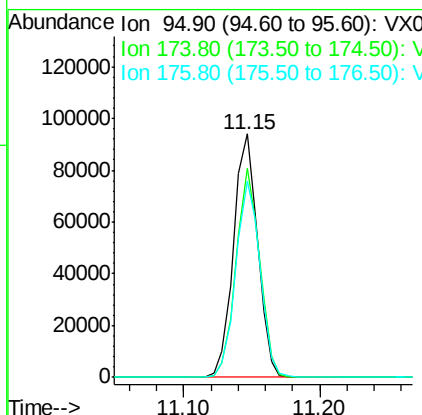
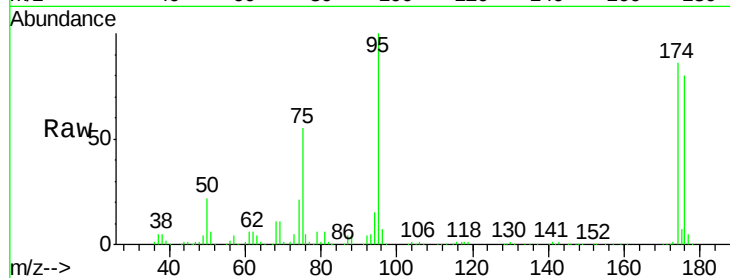




#62
4-Bromofluorobenzene
Concen: 49.17 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000174.D
Acq: 28 Feb 2018 18:23

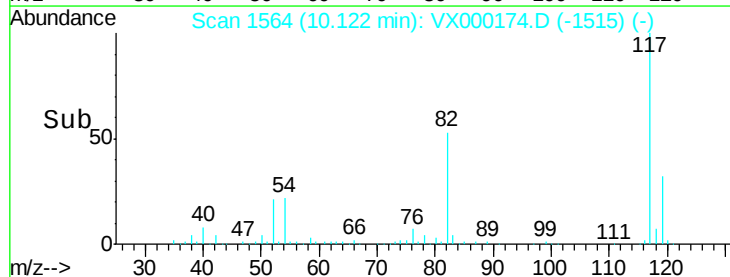
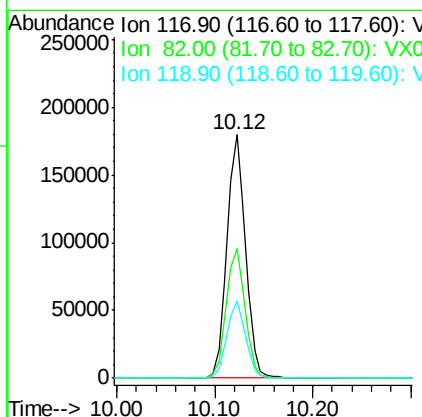
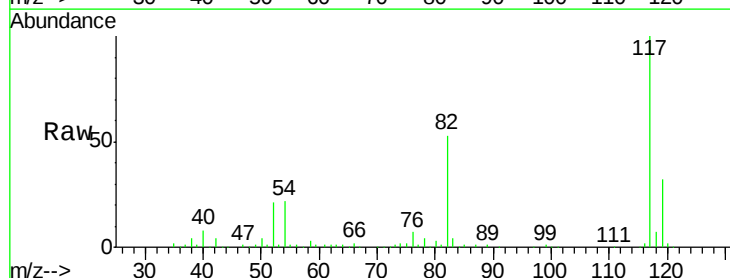
Instrument :
MSVOA_X
ClientSampleId :
FINAL-EFFLUENT

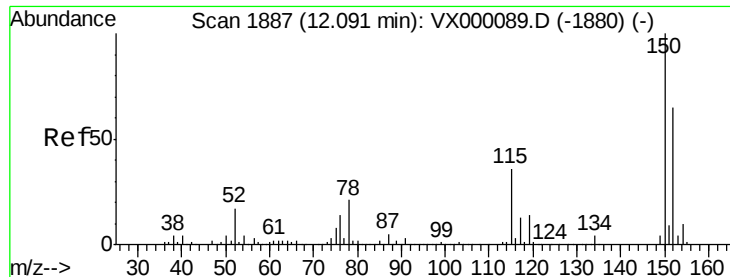
Tgt Ion: 95 Resp: 116174
Ion Ratio Lower Upper
95 100
174 83.9 0.0 187.8
176 80.8 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000174.D
Acq: 28 Feb 2018 18:23

Tgt Ion: 117 Resp: 236916
Ion Ratio Lower Upper
117 100
82 53.4 41.0 61.6
119 31.7 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: VX000174.D

Acq: 28 Feb 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

FINAL-EFFLUENT

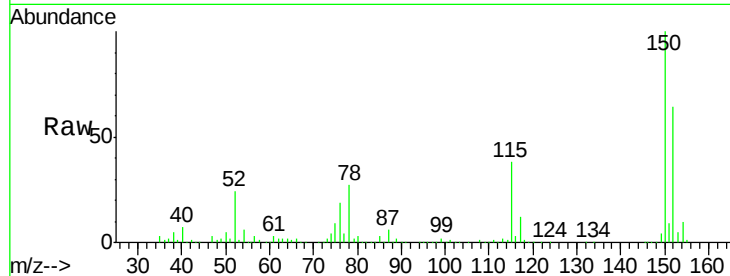
Tgt Ion:152 Resp: 126382

Ion Ratio Lower Upper

152 100

115 58.1 39.1 117.2

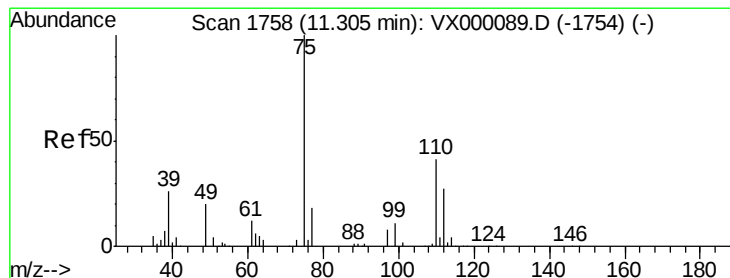
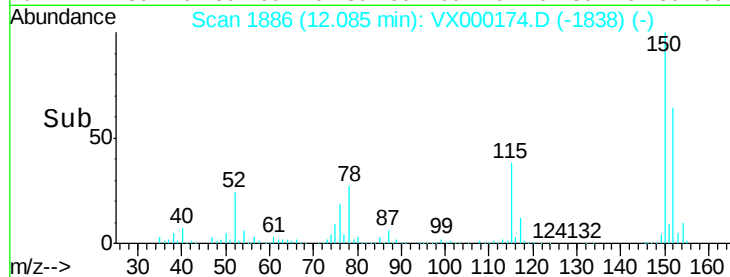
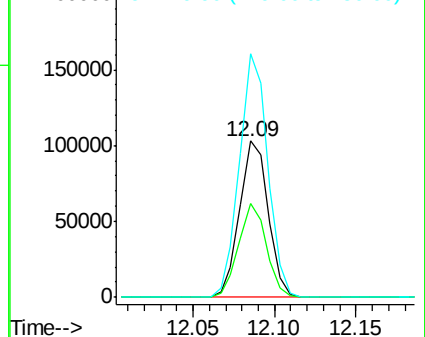
150 154.6 0.0 348.2



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: 24.75 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000174.D

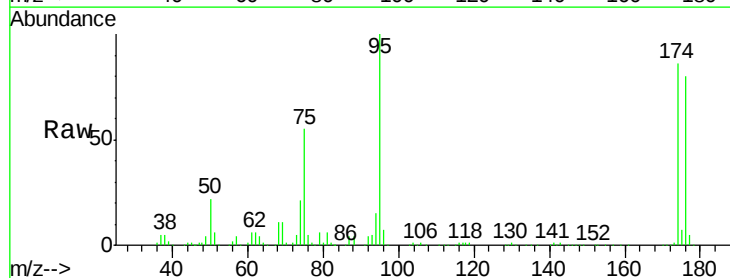
Acq: 28 Feb 2018 18:23

Tgt Ion: 75 Resp: 64807

Ion Ratio Lower Upper

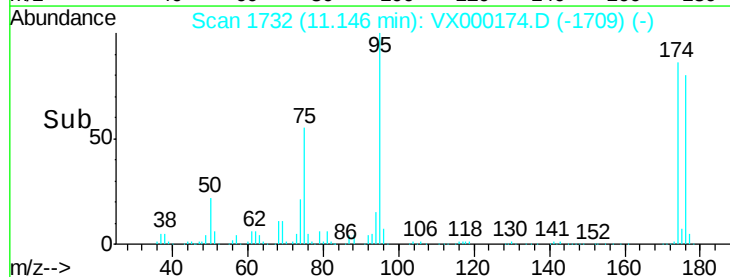
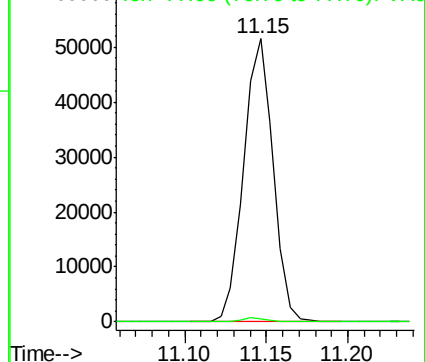
75 100

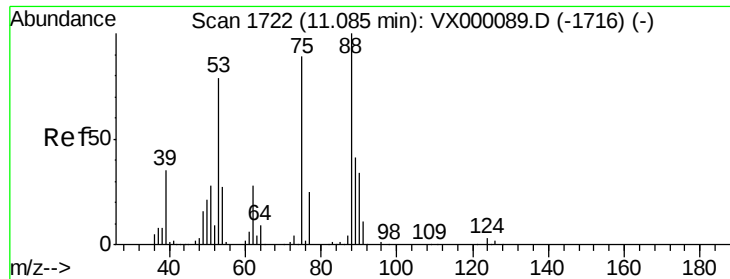
77 1.3 22.8 68.3#



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: 70.50 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000174.D

Acq: 28 Feb 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

FINAL-EFFLUENT

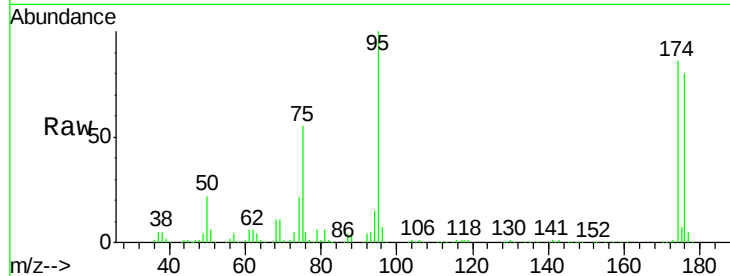
Tgt Ion: 75 Resp: 64807

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

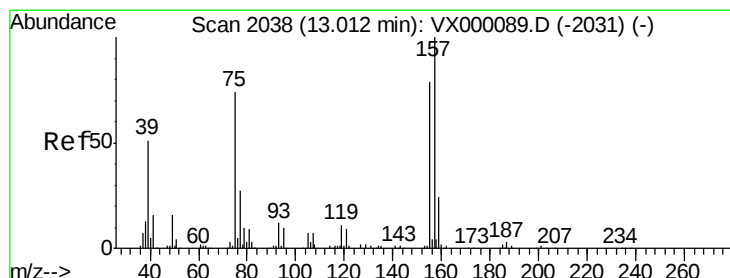
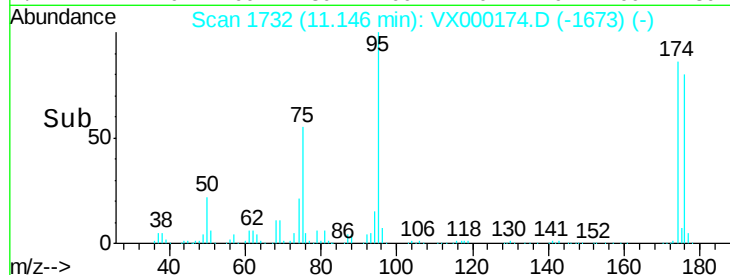
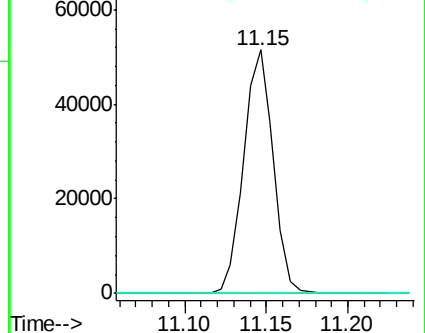
89 0.1 40.6 60.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.35 ug/l

RT: 12.82 min Scan# 2007

Delta R.T. -0.19 min

Lab File: VX000174.D

Acq: 28 Feb 2018 18:23

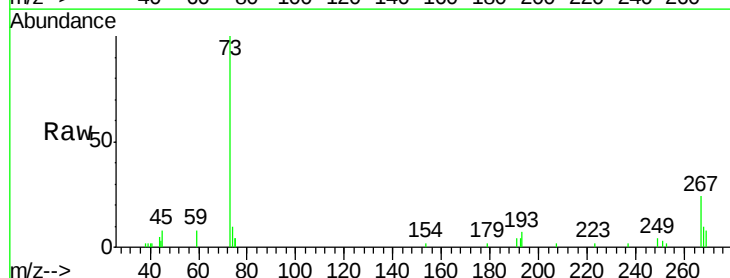
Tgt Ion: 75 Resp: 268

Ion Ratio Lower Upper

75 100

155 0.0 49.3 147.9#

157 0.0 63.7 191.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

