

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000763.D
 Acq On : 10 Apr 2018 22:02
 Operator : JC/MD
 Sample : J2157-06 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-040618-C

Quant Time: Apr 11 08:55:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	316023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	437221	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	405444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	240464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	161046	40.42	ug/l	0.00
Spiked Amount			Recovery	=	80.84%	
35) Dibromofluoromethane	5.51	113	135237	40.15	ug/l	0.00
Spiked Amount			Recovery	=	80.30%	
50) Toluene-d8	8.73	98	503902	40.18	ug/l	0.00
Spiked Amount			Recovery	=	80.36%	
62) 4-Bromofluorobenzene	11.14	95	204997	39.51	ug/l	0.00
Spiked Amount			Recovery	=	79.02%	

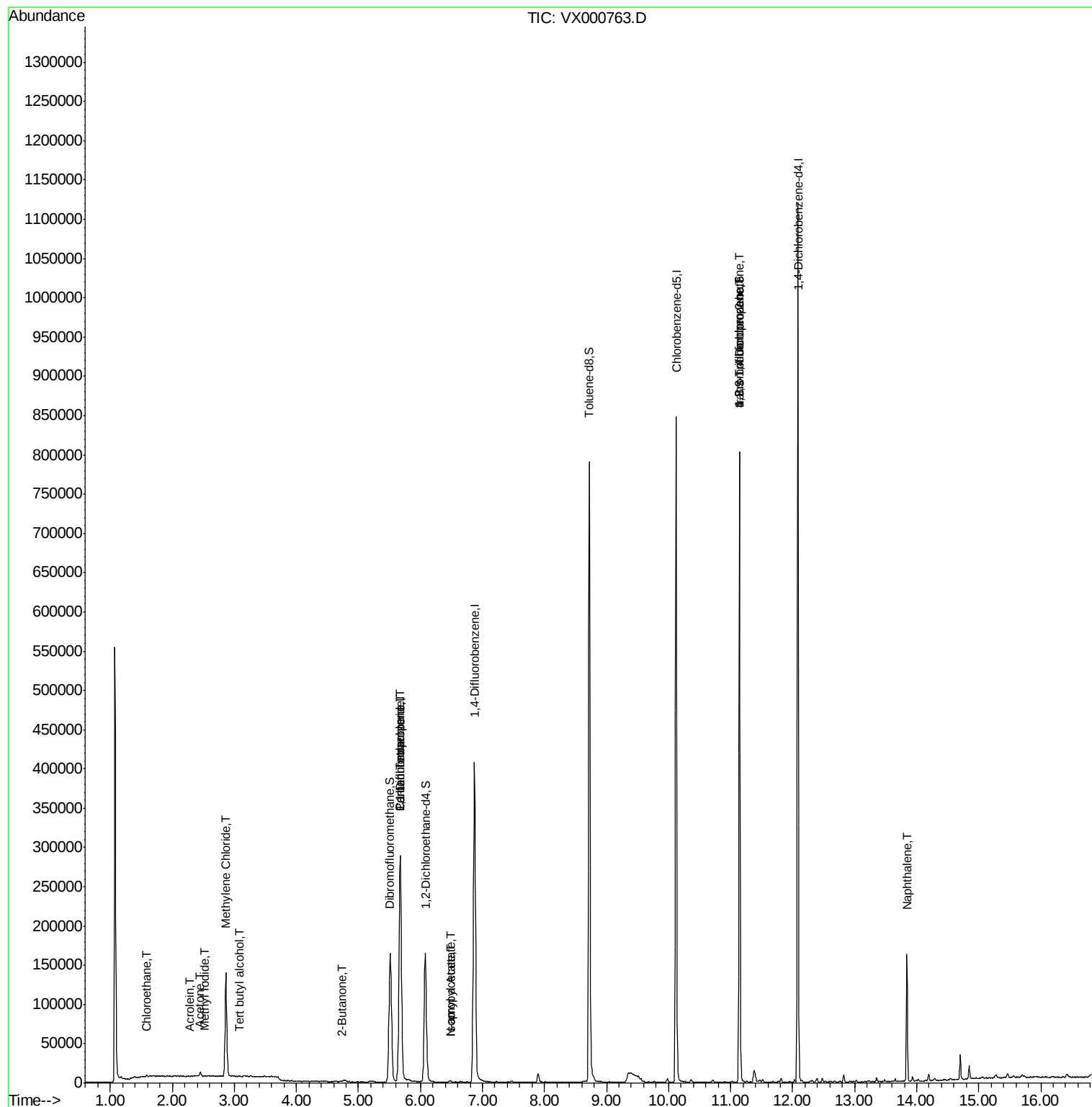
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	615	Below Cal	#	40
6) Chloroethane	1.57	64	2405	1.15	ug/l #	43
10) Methyl Iodide	2.53	142	233	8.31	ug/l #	61
11) Tert butyl alcohol	3.08	59	381	0.54	ug/l #	81
13) Acrolein	2.29	56	219	0.64	ug/l	89
16) Acetone	2.45	43	6197	4.51	ug/l	93
20) Methylene Chloride	2.87	84	63899	19.99	ug/l	95
25) 2-Butanone	4.73	43	1204	0.53	ug/l #	76
36) 1,1-Dichloropropene	5.67	75	18602	3.86	ug/l #	49
38) Carbon Tetrachloride	5.67	117	26673	4.95	ug/l #	16
43) Isopropyl Acetate	6.48	43	2622	0.33	ug/l #	91
74) N-amyl acetate	6.48	43	2622	0.38	ug/l #	97
76) 1,2,3-Trichloropropane	11.14	75	101746	24.53	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	101746	67.49	ug/l #	11
95) Naphthalene	13.84	128	97313	5.56	ug/l	99

(#) = 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. -0.00 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

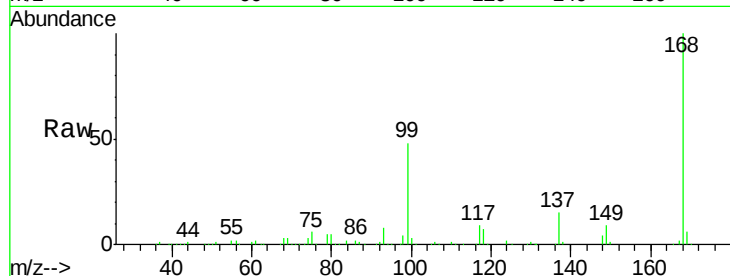
CL-01-040618-C

Tot Ion:168 Resp: 316023

Ion Ratio Lower Upper

168 100

99 48.3 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

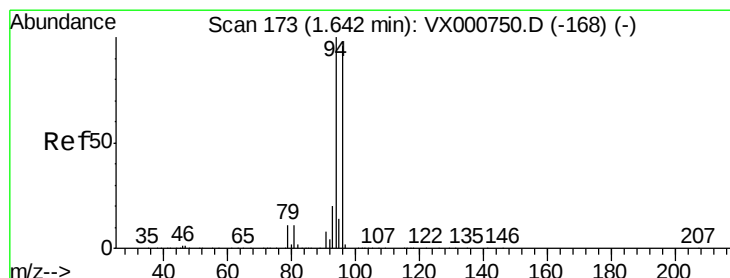
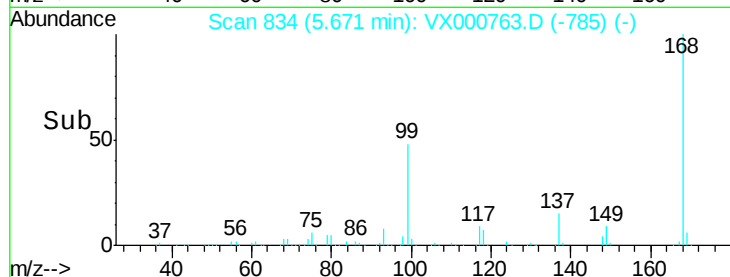
40000

20000

0

Time-->

5.60 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000763.D

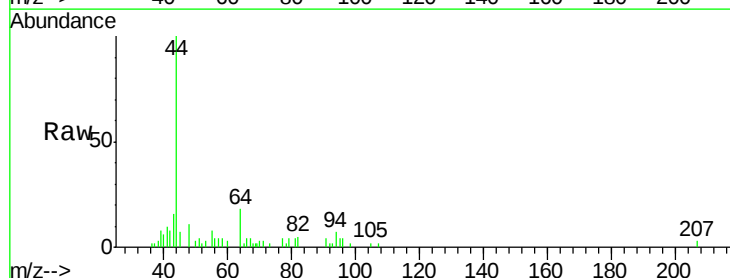
Acq: 10 Apr 2018 22:02

Tgt Ion: 94 Resp: 615

Ion Ratio Lower Upper

94 100

96 37.2 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

150

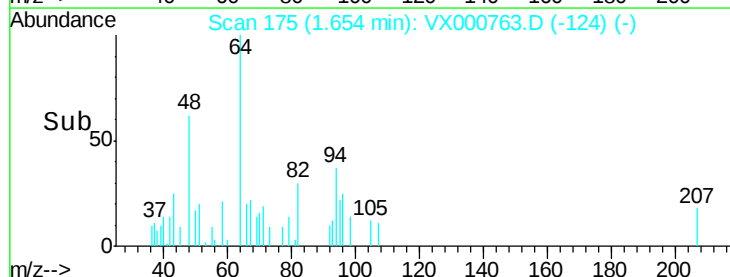
100

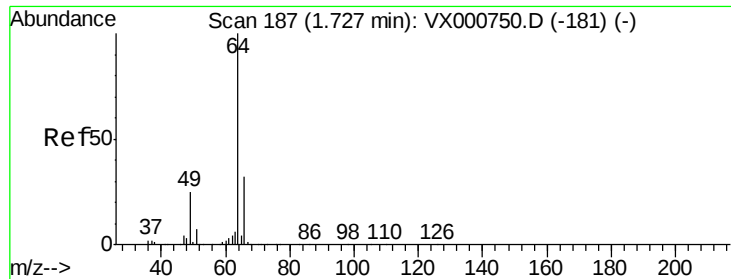
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 1.15 ug/l

RT: 1.57 min Scan# 161

Delta R.T. -0.16 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

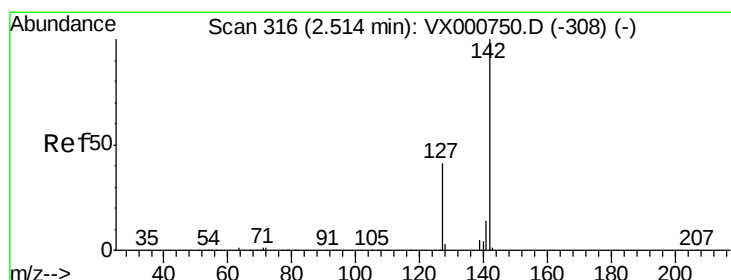
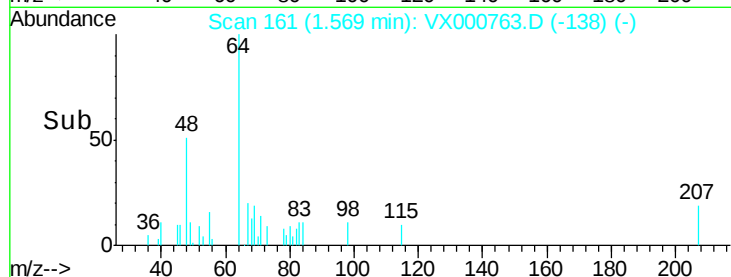
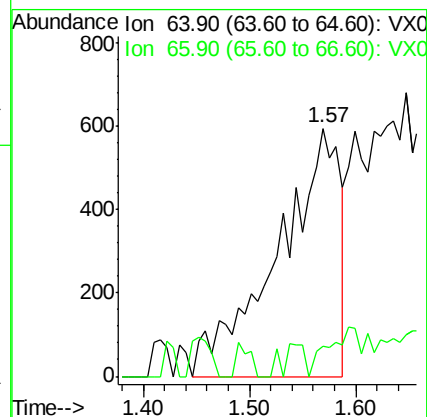
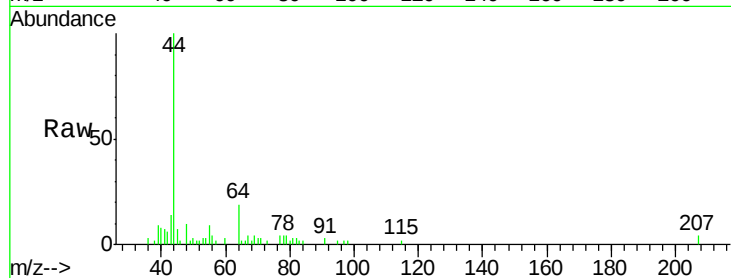
CL-01-040618-C

Tot Ion: 64 Resp: 2405

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 8.31 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

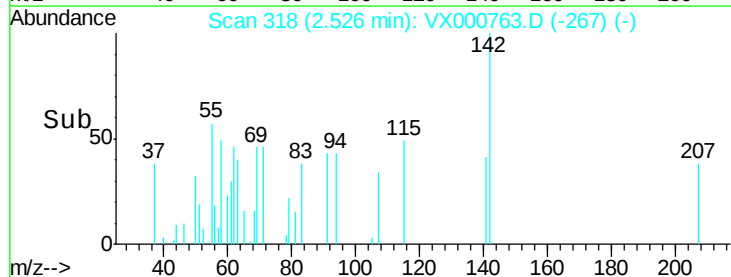
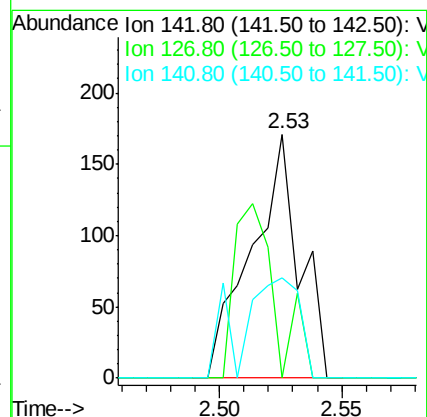
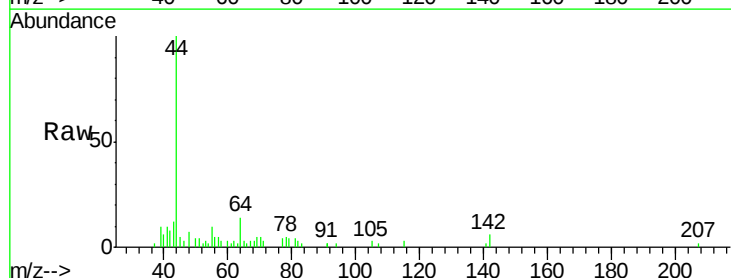
Tgt Ion: 142 Resp: 233

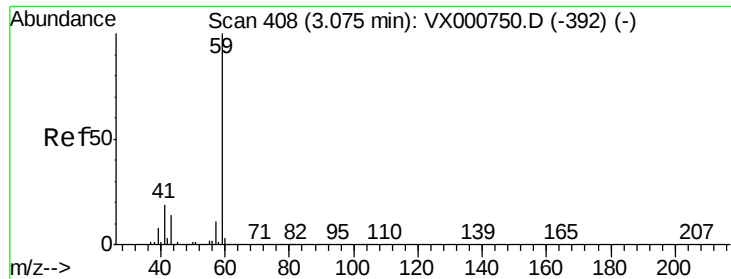
Ion Ratio Lower Upper

142 100

127 60.1 32.6 49.0#

141 39.5 11.5 17.3#



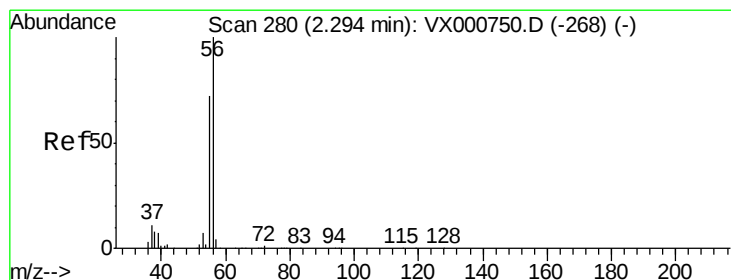
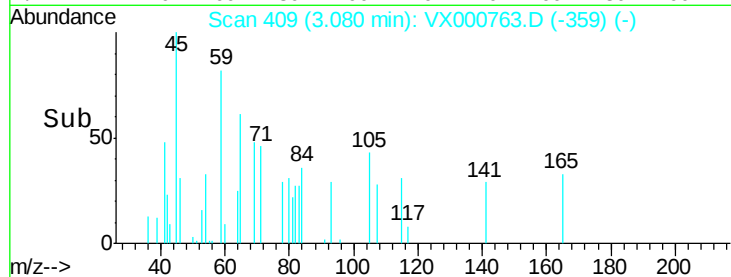
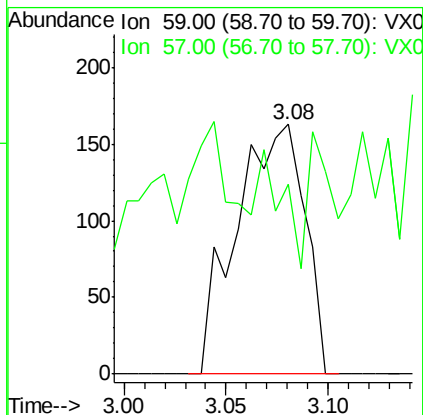
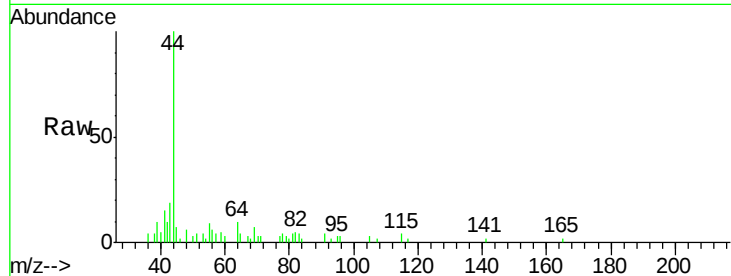


#11

Tert butvl alcohol
 Concen: 0.54 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VX000763.D
 Acq: 10 Apr 2018 22:02

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-040618-C

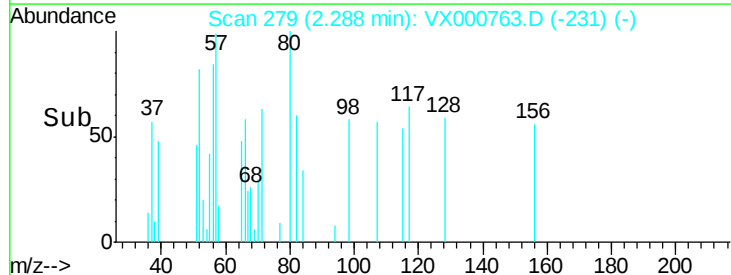
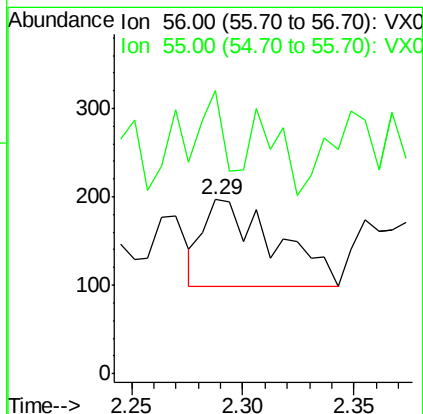
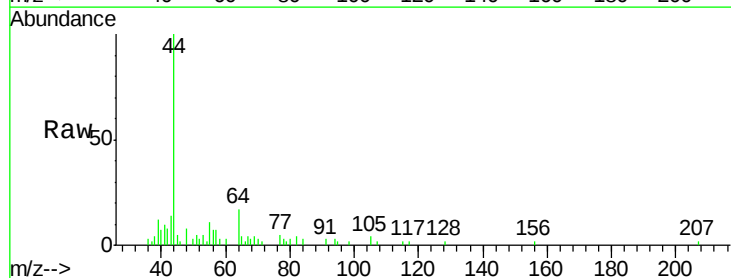
Tot Ion: 59 Resp: 381
 Ion Ratio Lower Upper
 59 100
 57 17.6 8.4 12.6#

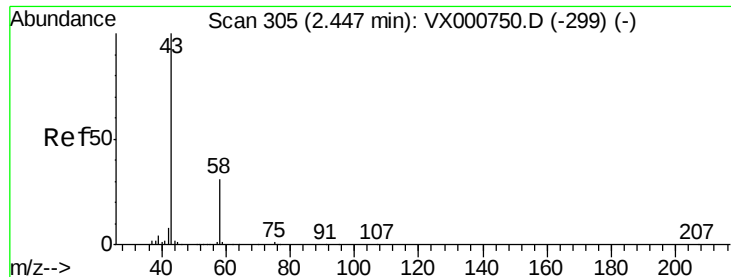


#13

Acrolein
 Concen: 0.64 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX000763.D
 Acq: 10 Apr 2018 22:02

Tgt Ion: 56 Resp: 219
 Ion Ratio Lower Upper
 56 100
 55 63.9 58.7 88.1





#16

Acetone

Concen: 4.51 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

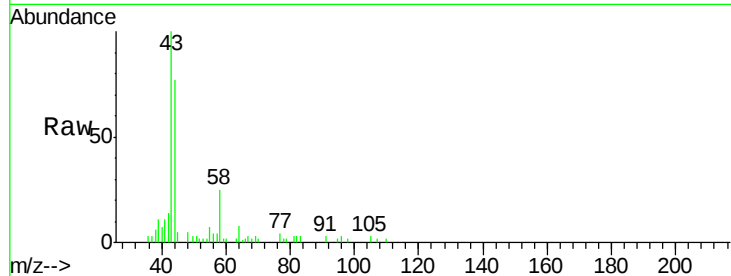
CL-01-040618-C

Tot Ion: 43 Resp: 6197

Ion Ratio Lower Upper

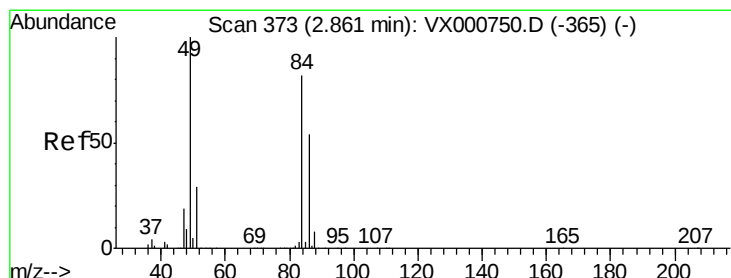
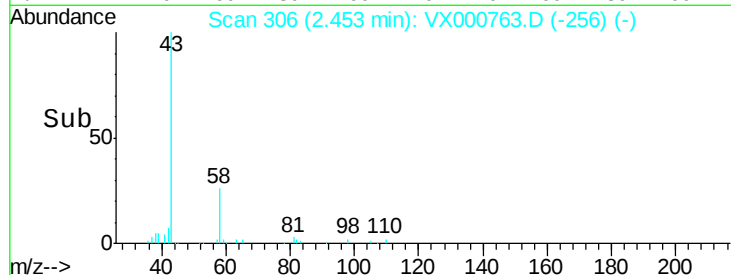
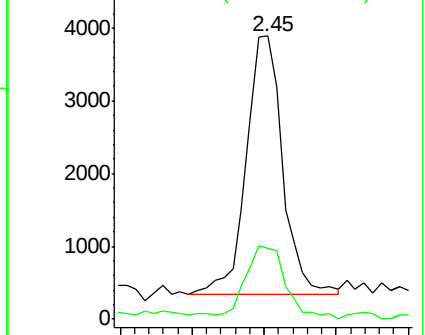
43 100

58 27.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 19.99 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

Tgt Ion: 84 Resp: 63899

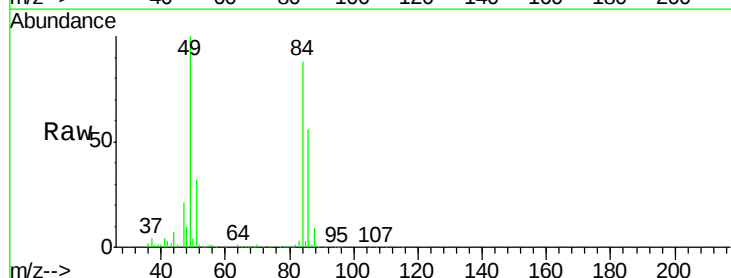
Ion Ratio Lower Upper

84 100

49 114.3 98.1 147.1

51 36.0 28.9 43.3

86 64.3 52.7 79.1

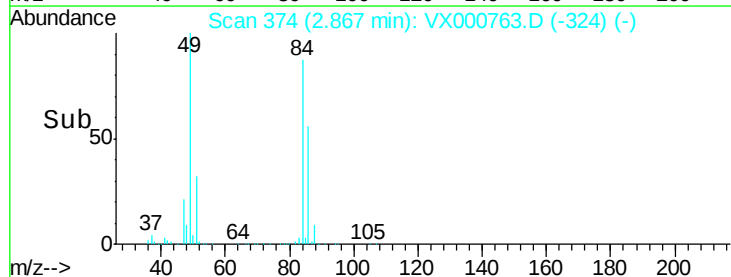
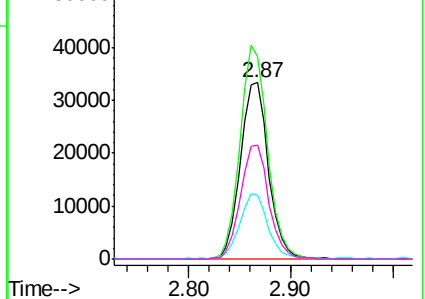


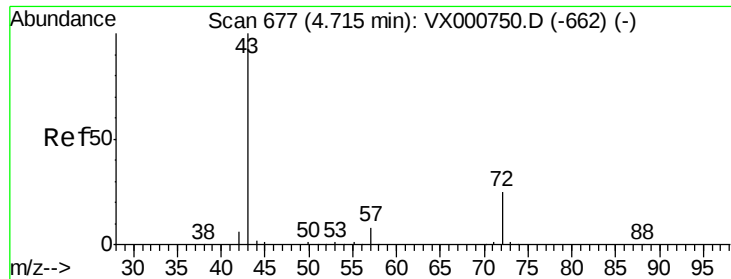
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.53 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

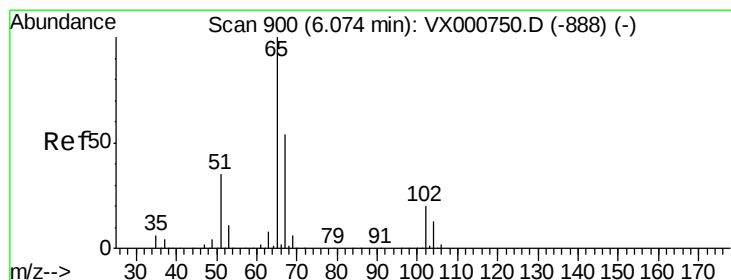
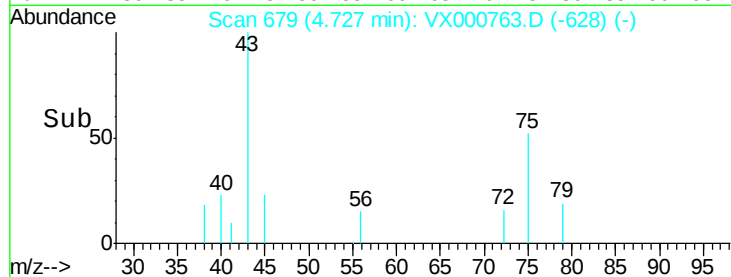
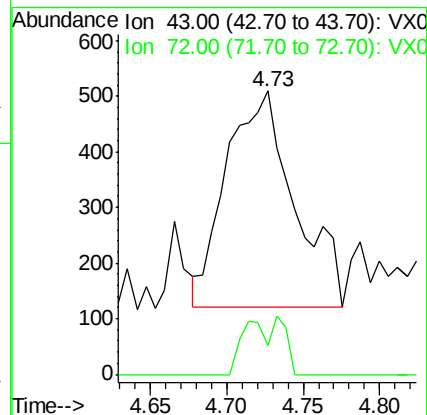
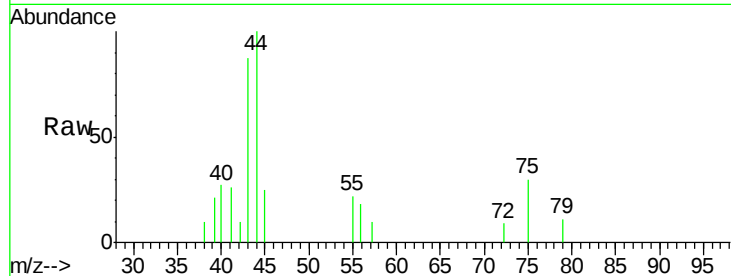
CL-01-040618-C

Tot Ion: 43 Resp: 1204

Ion Ratio Lower Upper

43 100

72 13.4 20.3 30.5#



#33

1,2-Dichloroethane-d4

Concen: 40.42 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000763.D

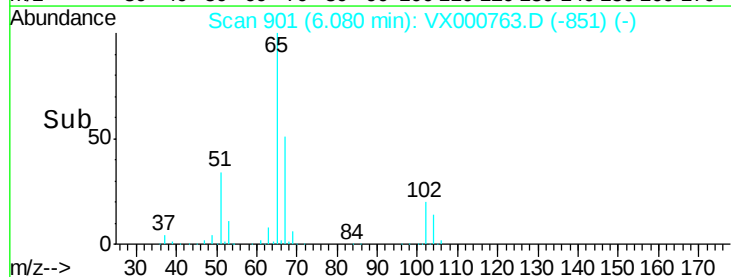
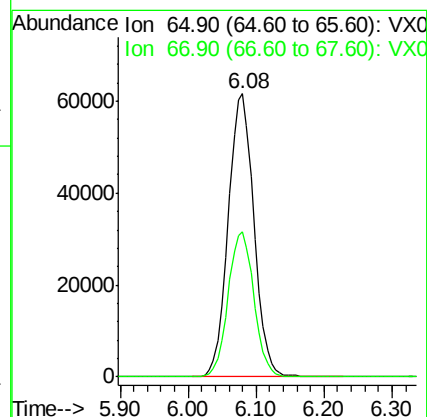
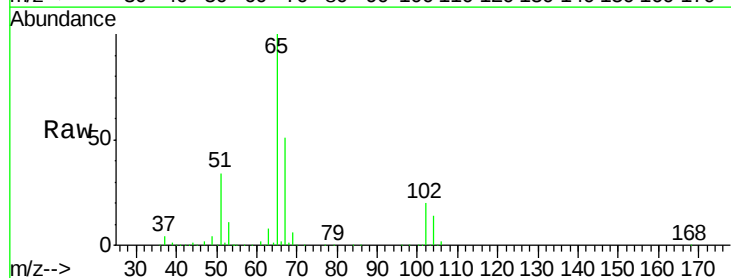
Acq: 10 Apr 2018 22:02

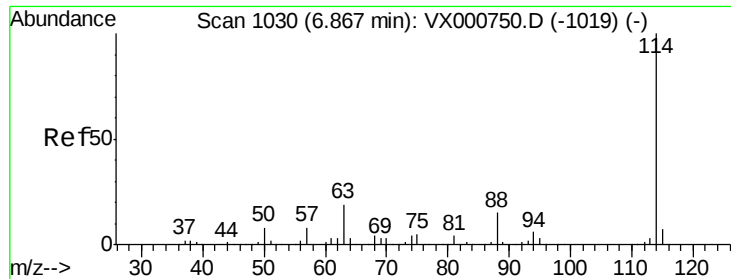
Tgt Ion: 65 Resp: 161046

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.8

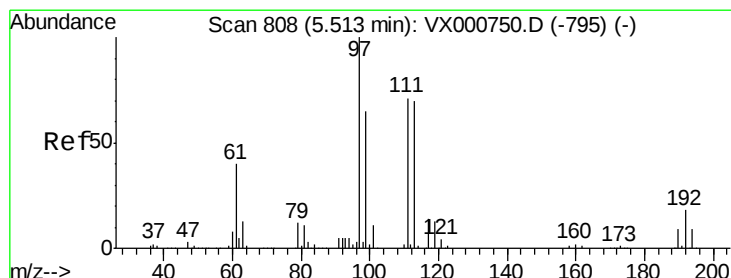
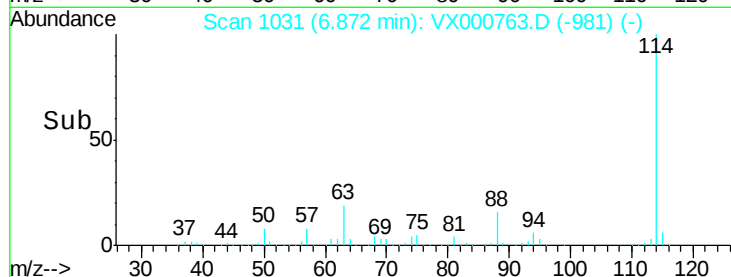
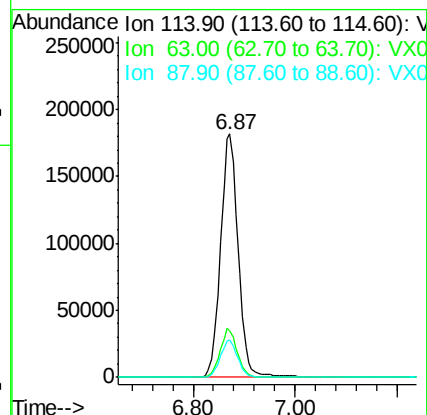
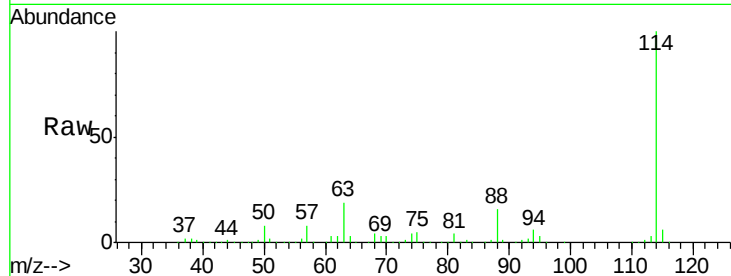




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000763.D
 Acq: 10 Apr 2018 22:02

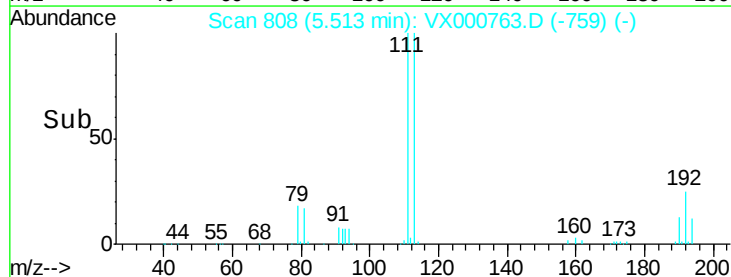
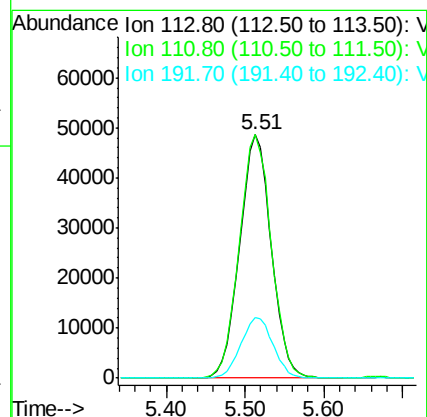
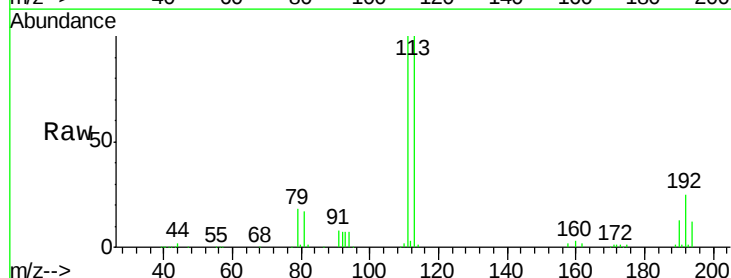
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 CL-01-040618-C

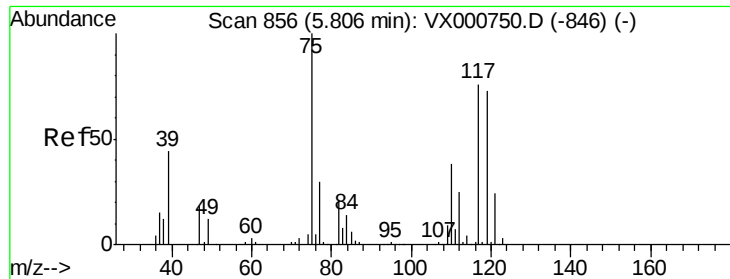
Tot Ion:114 Resp: 437221
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 15.5 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 40.15 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000763.D
 Acq: 10 Apr 2018 22:02

Tgt Ion:113 Resp: 135237
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.5 122.3
 192 25.5 20.4 30.6

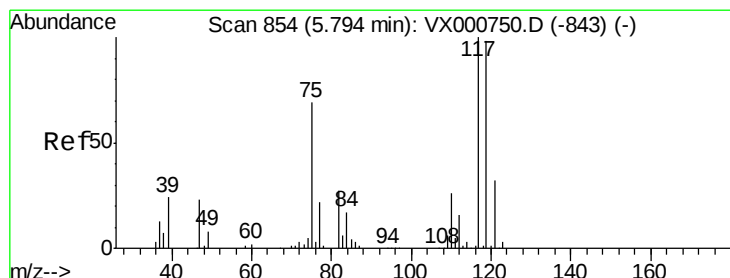
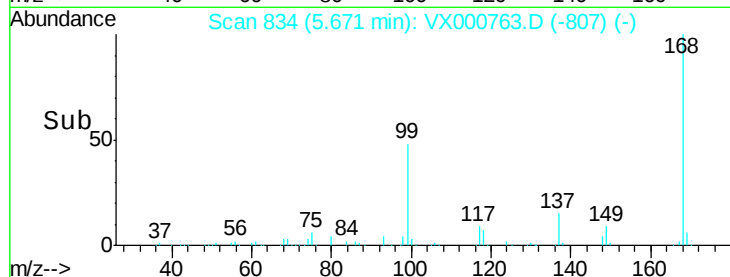
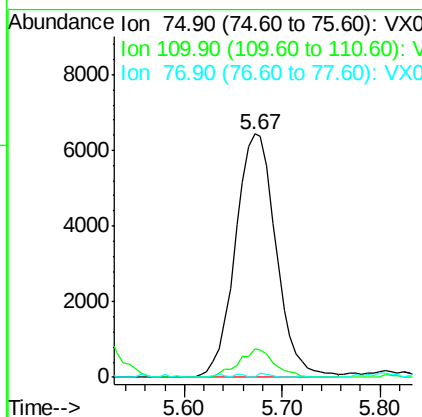
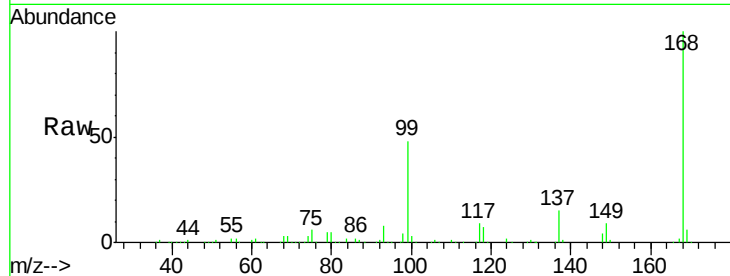




#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000763.D
 Acq: 10 Apr 2018 22:02

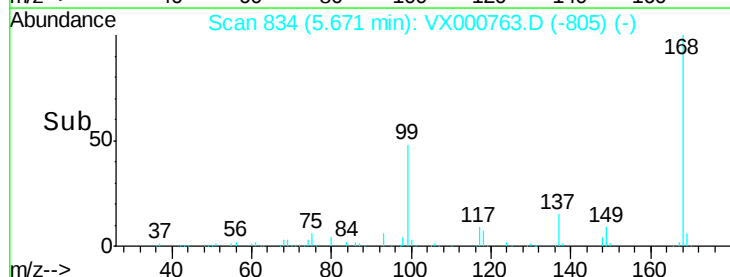
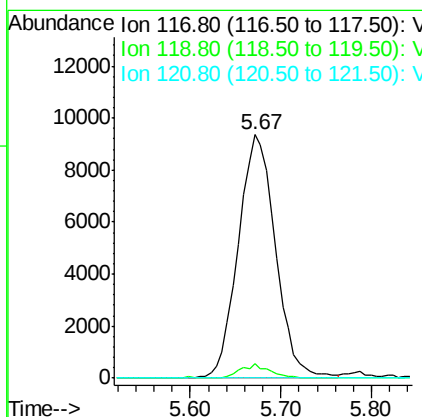
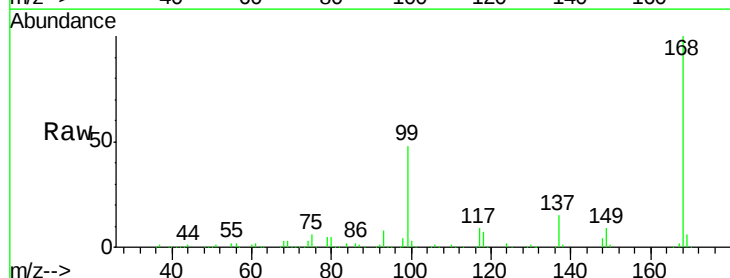
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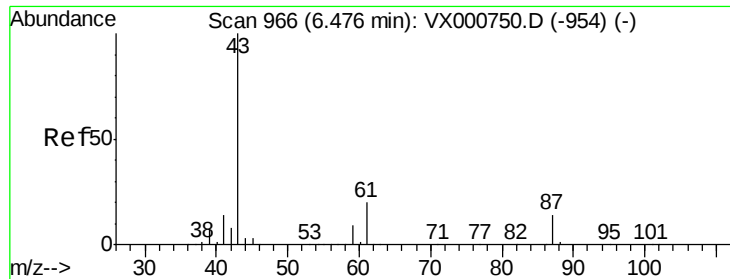
Tot Ion: 75 Resp: 18602
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.2 57.6#
 77 0.5 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 4.95 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000763.D
 Acq: 10 Apr 2018 22:02

Tgt Ion:117 Resp: 26673
 Ion Ratio Lower Upper
 117 100
 119 5.8 78.4 117.6#
 121 0.0 25.4 38.0#





#43

Isopropyl Acetate

Concen: 0.33 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

CL-01-040618-C

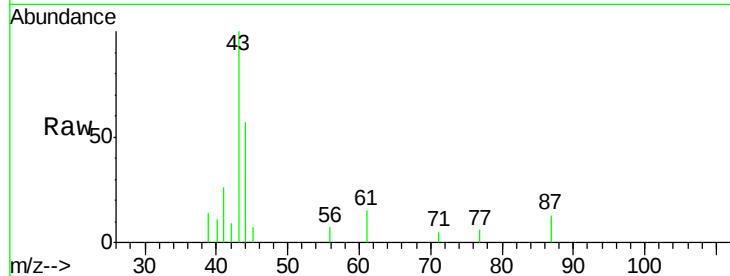
Tot Ion: 43 Resp: 2622

Ion Ratio Lower Upper

43 100

61 18.1 15.6 23.4

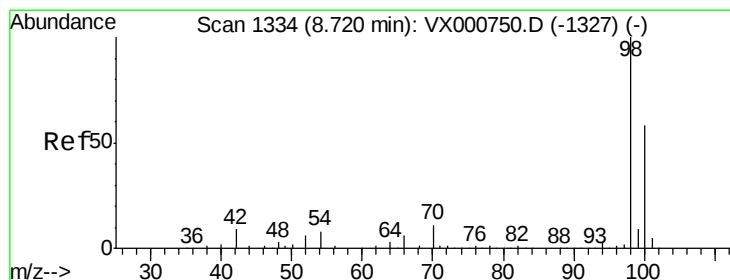
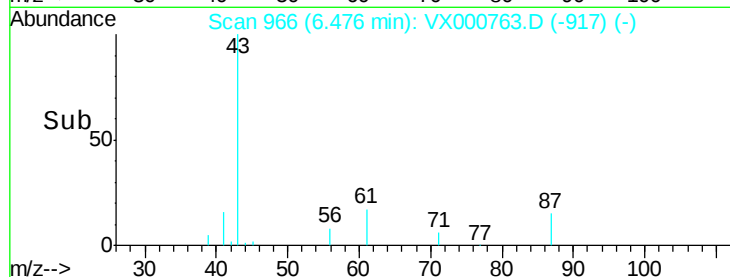
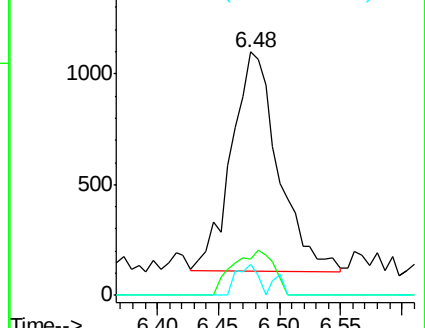
87 6.2 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 40.18 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000763.D

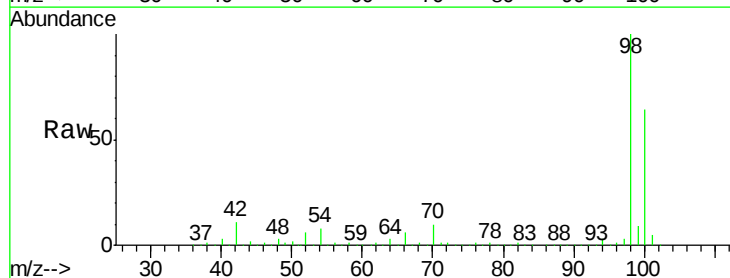
Acq: 10 Apr 2018 22:02

Tgt Ion: 98 Resp: 503902

Ion Ratio Lower Upper

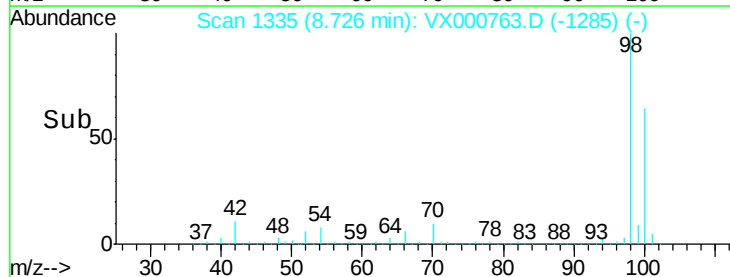
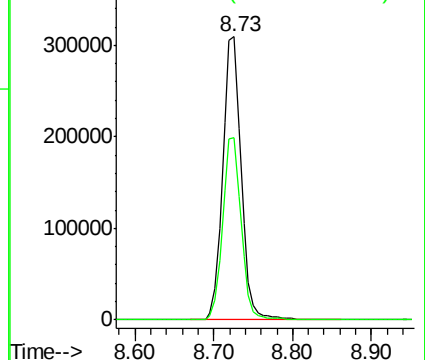
98 100

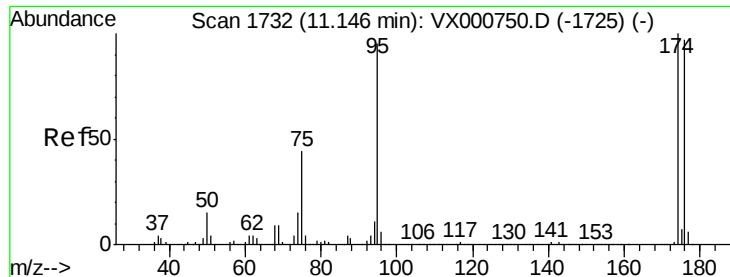
100 64.7 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

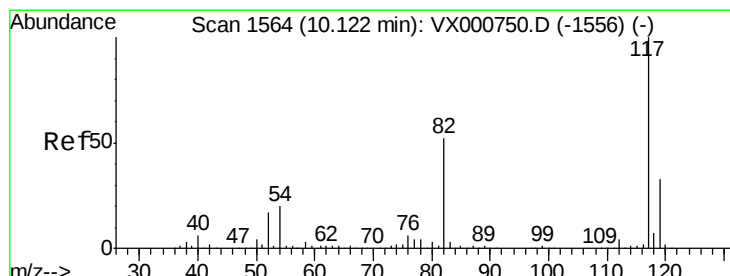
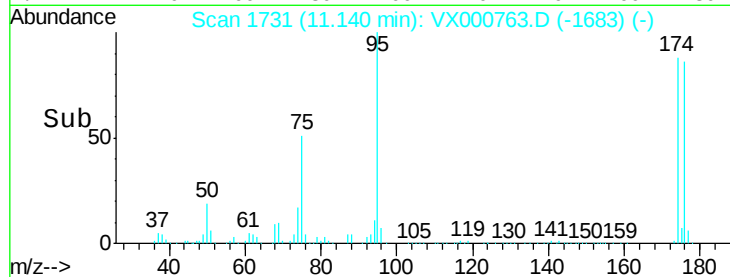
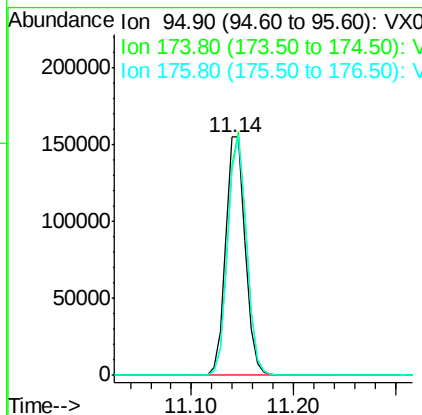
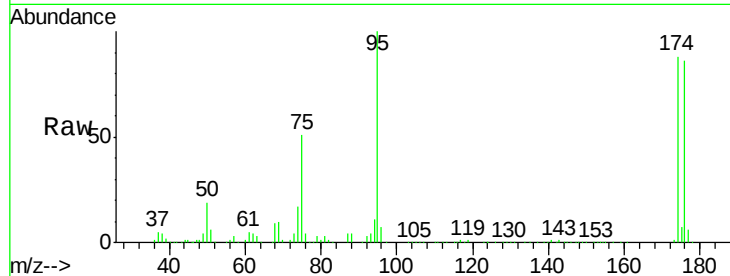




#62
4-Bromofluorobenzene
Concen: 39.51 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000763.D
Acq: 10 Apr 2018 22:02

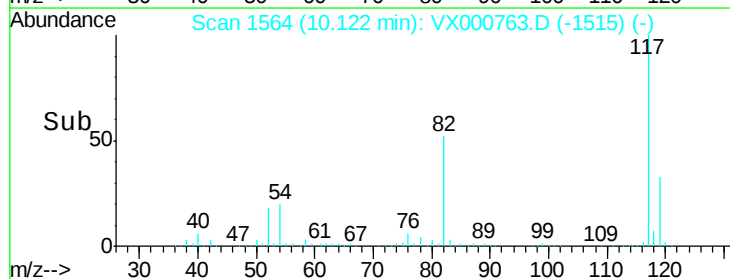
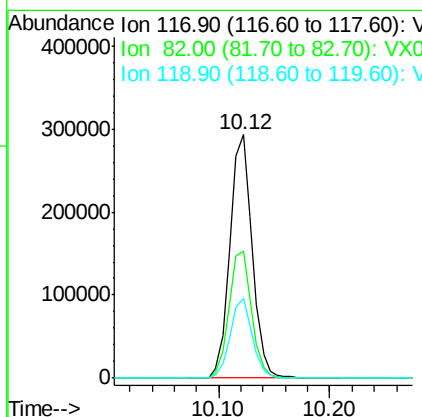
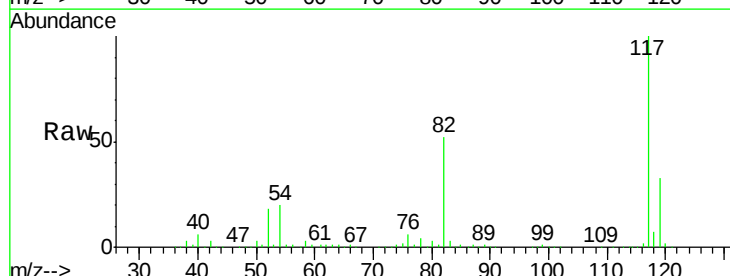
Instrument :
MSVOA_X
ClientSampleId :
CL-01-040618-C

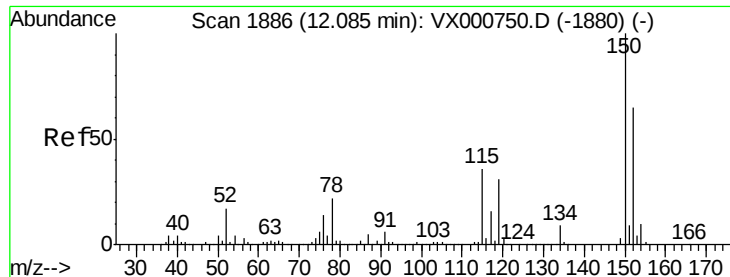
Tot Ion	95	Resp	204997
Ion Ratio	Lower	Upper	
95	100		
174	97.1	0.0	198.4
176	95.5	0.0	194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000763.D
Acq: 10 Apr 2018 22:02

Tgt Ion	117	Resp	405444
Ion Ratio	Lower	Upper	
117	100		
82	52.3	41.9	62.9
119	32.8	26.0	39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

CL-01-040618-C

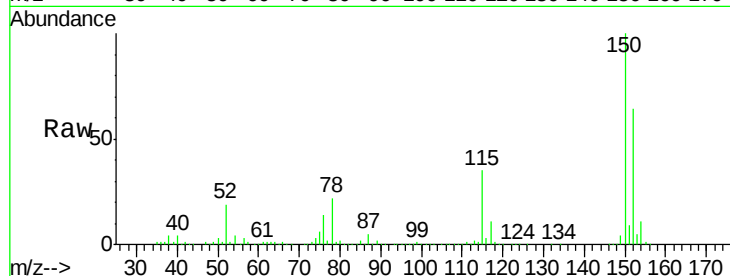
Tot Ion:152 Resp: 240464

Ion Ratio Lower Upper

152 100

115 53.8 37.9 113.7

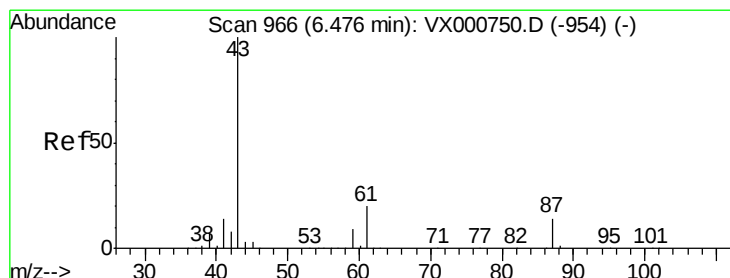
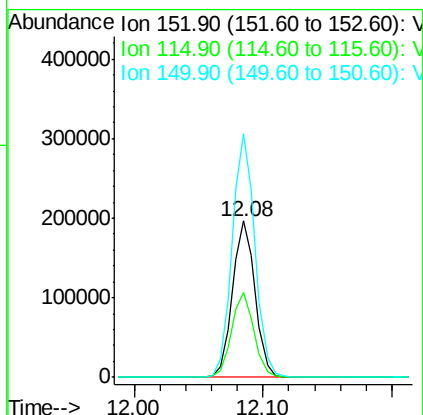
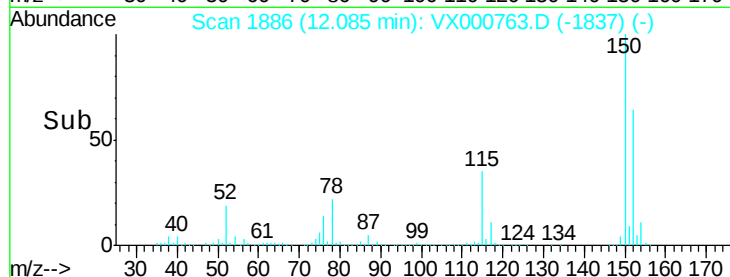
150 156.6 0.0 348.0



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



#74

N-ethyl acetate

Concen: 0.38 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

Tgt Ion: 43 Resp: 2622

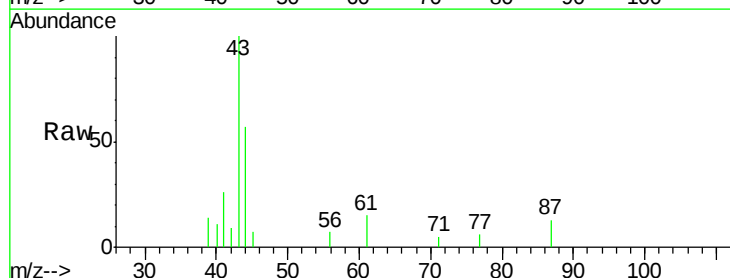
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 6.4 0.0 0.0#

61 18.1 15.6 23.4

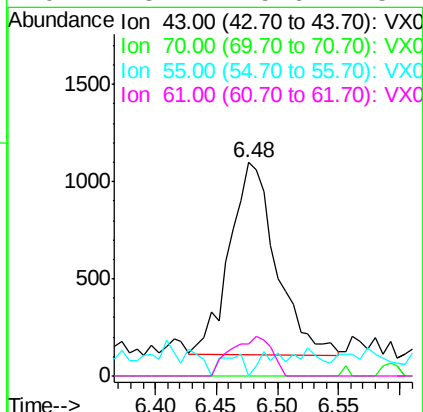
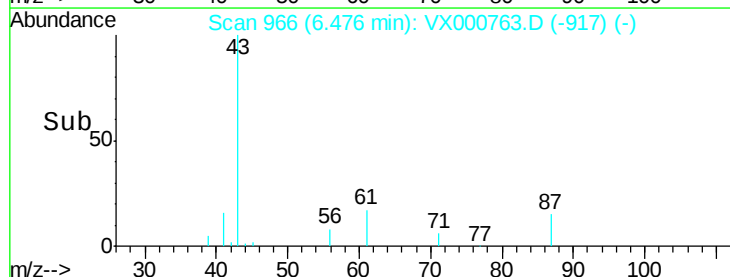


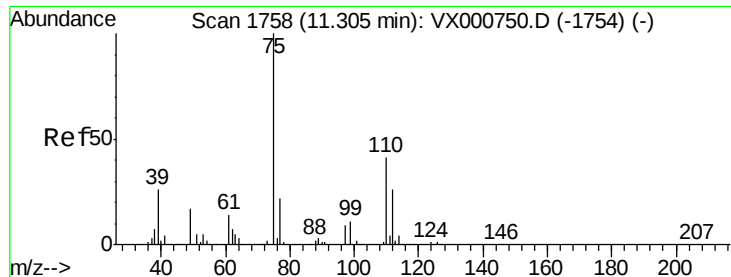
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 24.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

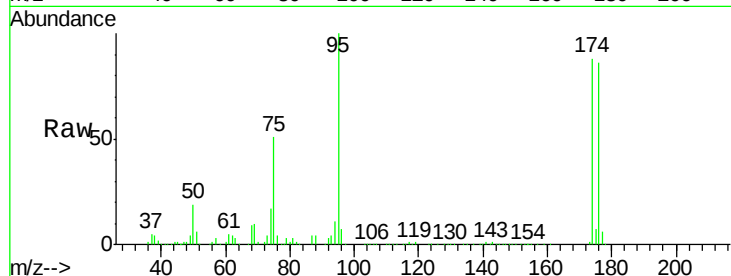
CL-01-040618-C

Tot Ion: 75 Resp: 101746

Ion Ratio Lower Upper

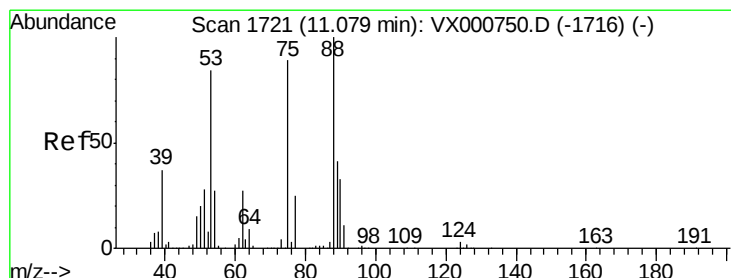
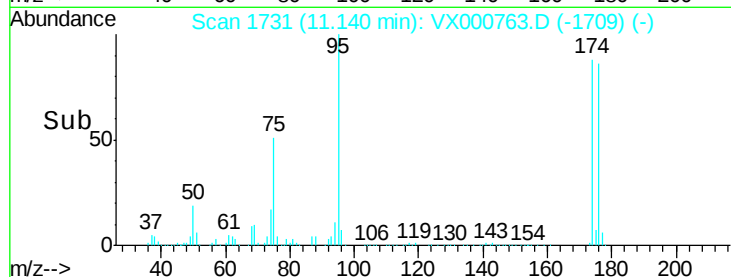
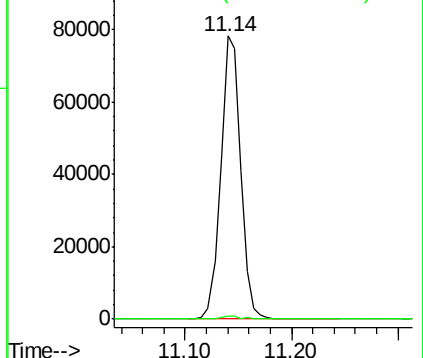
75 100

77 1.2 20.5 61.5#



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: 67.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

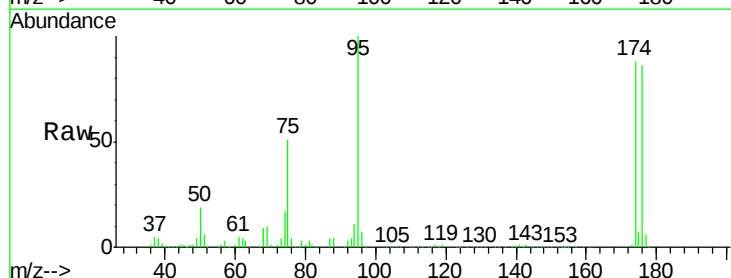
Tgt Ion: 75 Resp: 101746

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

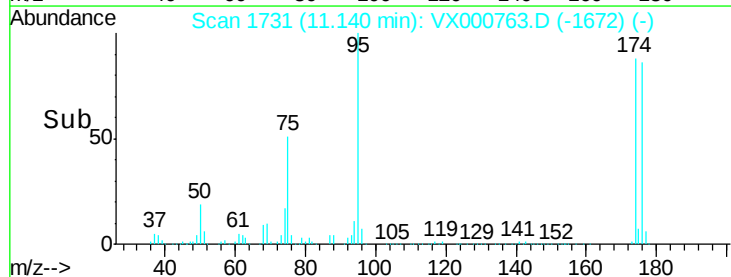
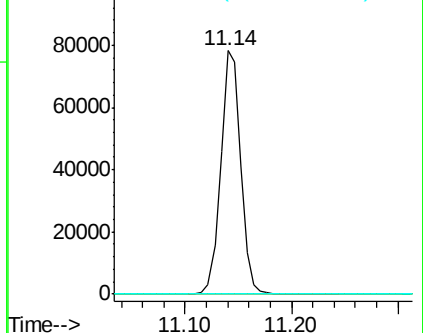
89 0.0 40.9 61.3#

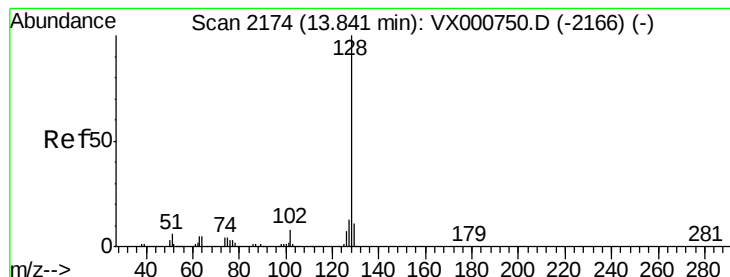


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 5.56 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000763.D

Acq: 10 Apr 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

CL-01-040618-C

Tot Ion:128 Resp: 97313

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 11.1 8.7 13.1

