

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041418\
 Data File : VX000884.D
 Acq On : 14 Apr 2018 19:18
 Operator : JC/MD
 Sample : J2353-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW007-180410

Quant Time: Apr 16 05:53:03 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	241244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	326367	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200336	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	142154	46.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.46%	
35) Dibromofluoromethane	5.51	113	114190	45.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.82%	
50) Toluene-d8	8.73	98	456057	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.15	95	176664	45.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.22%	

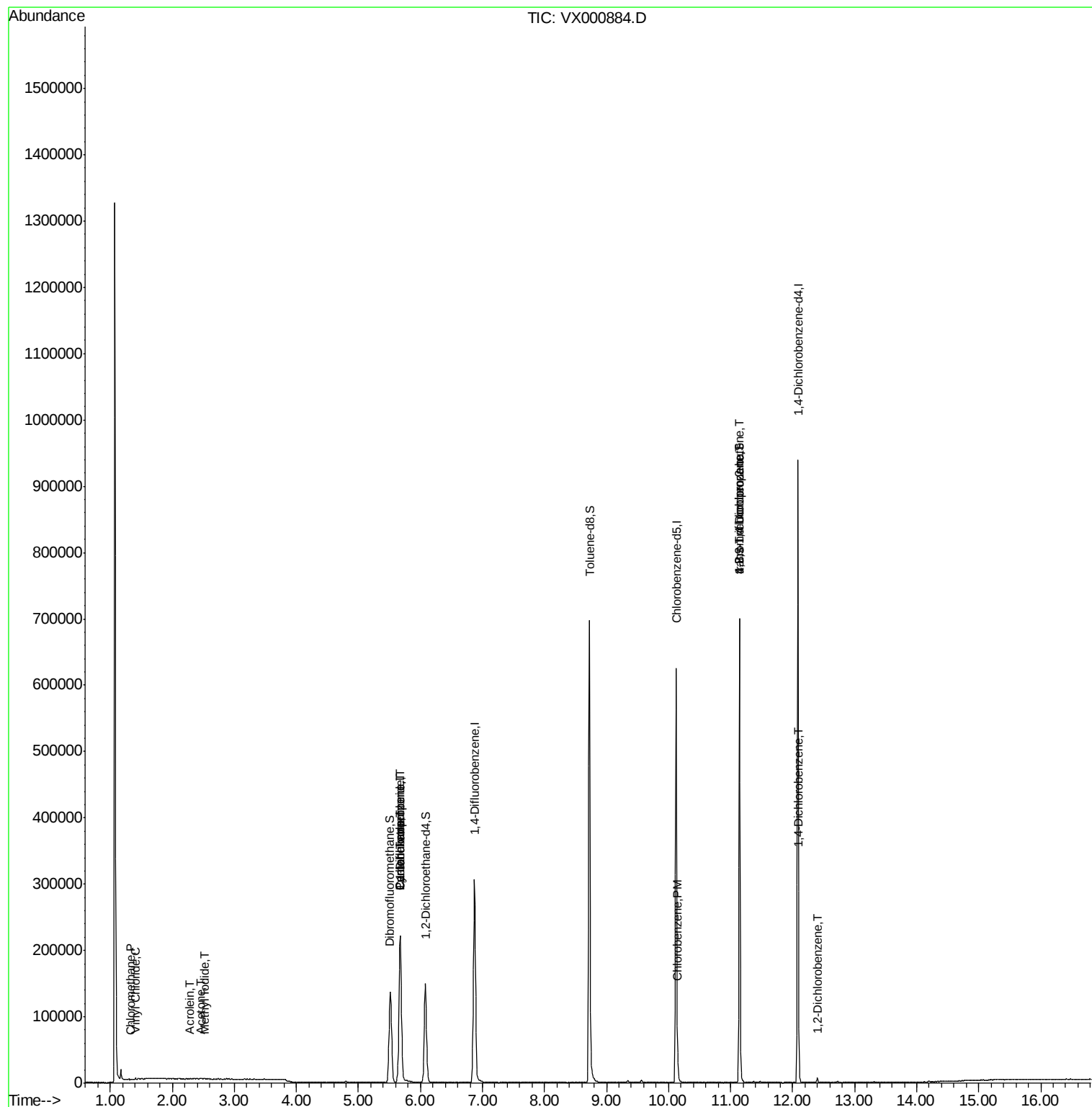
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	504	0.22	ug/l #	85
4) Vinyl Chloride	1.40	62	533	0.20	ug/l	93
5) Bromomethane	1.65	94	259	Below Cal		83
10) Methyl Iodide	2.52	142	43	8.25	ug/l #	42
13) Acrolein	2.29	56	81	0.31	ug/l	98
16) Acetone	2.46	43	553	0.53	ug/l	92
31) Cyclohexane	5.67	56	4202	1.05	ug/l #	3
36) 1,1-Dichloropropene	5.67	75	14701	4.09	ug/l #	48
38) Carbon Tetrachloride	5.67	117	20505	5.10	ug/l #	15
65) Chlorobenzene	10.15	112	9032	1.20	ug/l	98
76) 1,2,3-Trichloropropane	11.15	75	85781	24.83	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	85781	68.30	ug/l #	11
88) 1,4-Dichlorobenzene	12.10	146	2472	0.35	ug/l #	16
91) 1,2-Dichlorobenzene	12.40	146	2262	0.34	ug/l	98

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

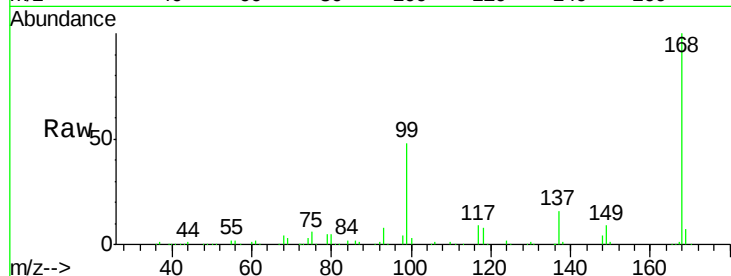
LF012MW007-180410

Tgt Ion:168 Resp: 241244

Ion Ratio Lower Upper

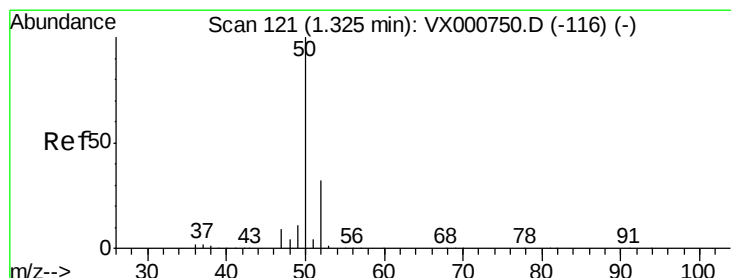
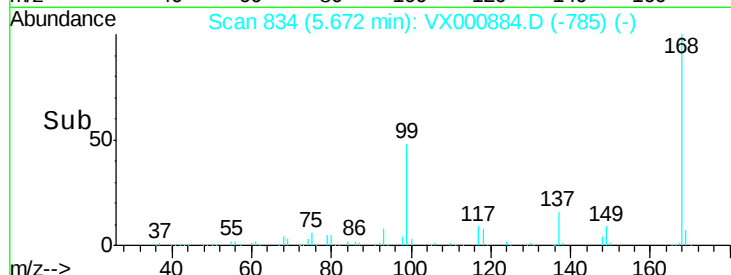
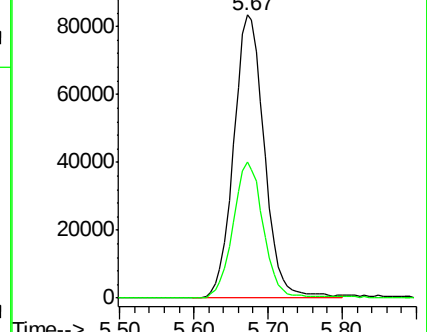
168 100

99 48.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000884.D

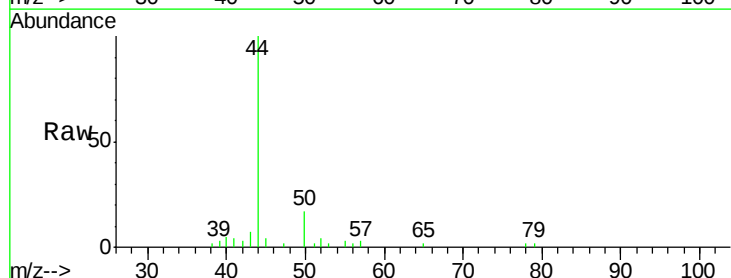
Acq: 14 Apr 2018 19:18

Tgt Ion: 50 Resp: 504

Ion Ratio Lower Upper

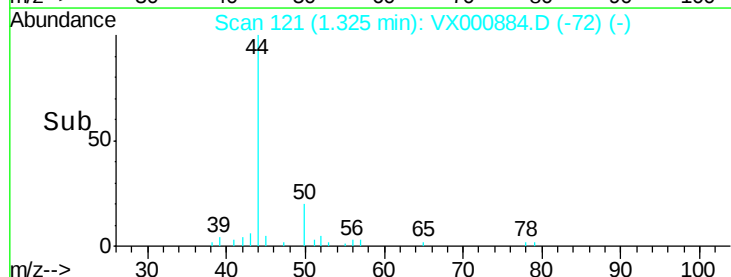
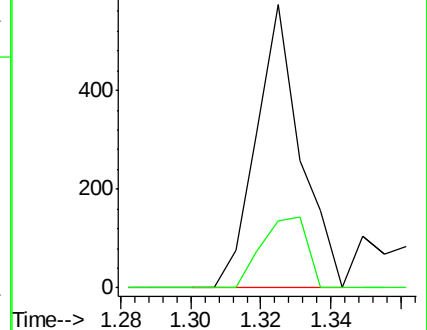
50 100

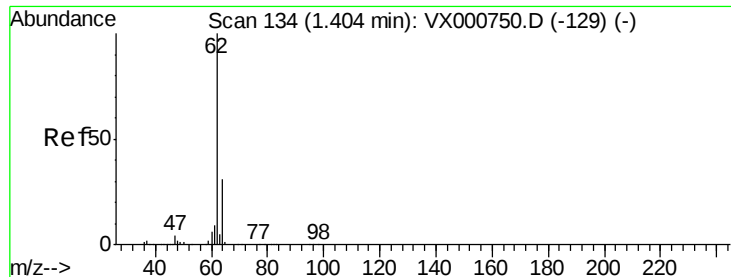
52 23.7 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.20 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

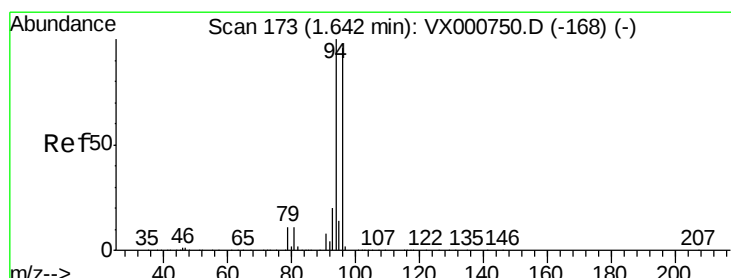
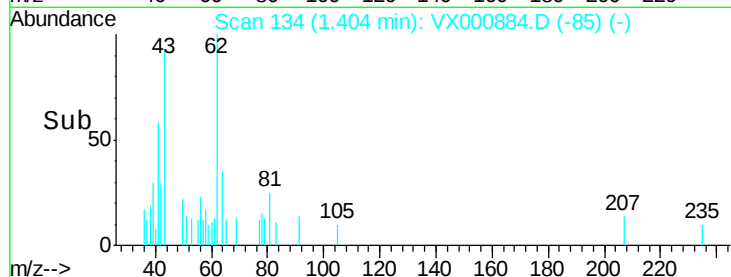
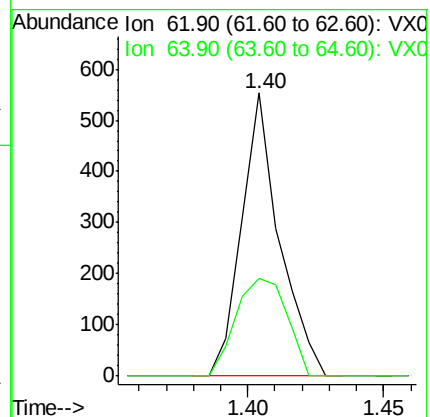
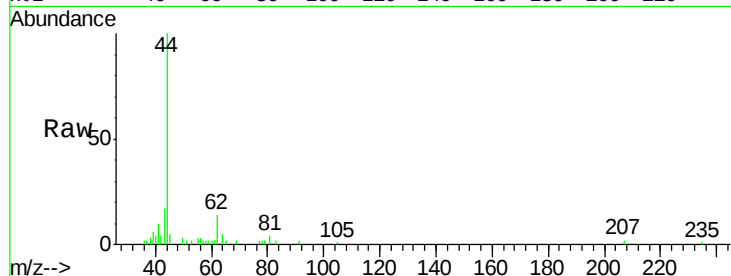
LF012MW007-180410

Tgt Ion: 62 Resp: 533

Ion Ratio Lower Upper

62 100

64 34.5 24.6 36.8



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000884.D

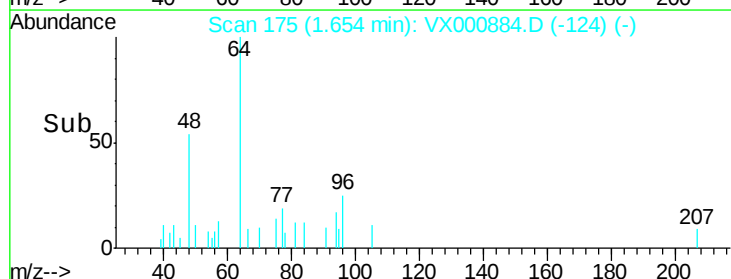
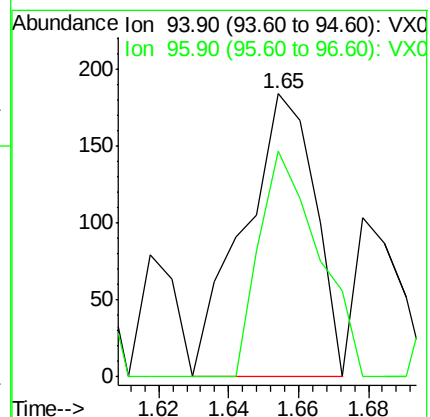
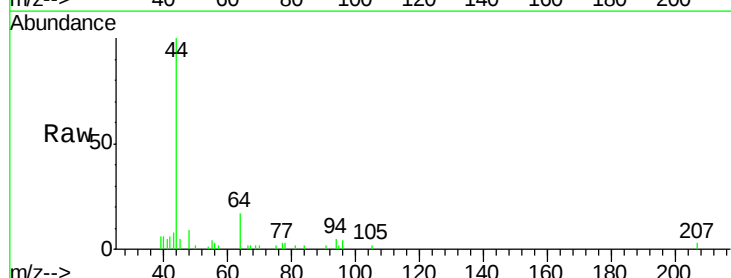
Acq: 14 Apr 2018 19:18

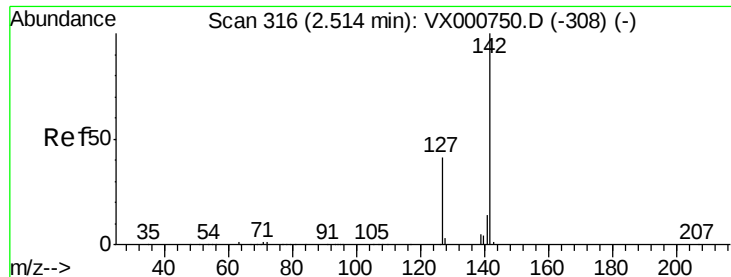
Tgt Ion: 94 Resp: 259

Ion Ratio Lower Upper

94 100

96 79.9 77.0 115.6

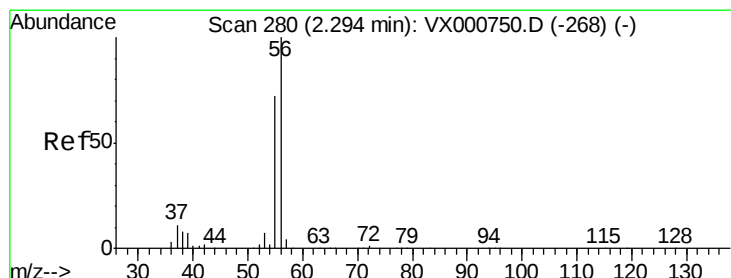
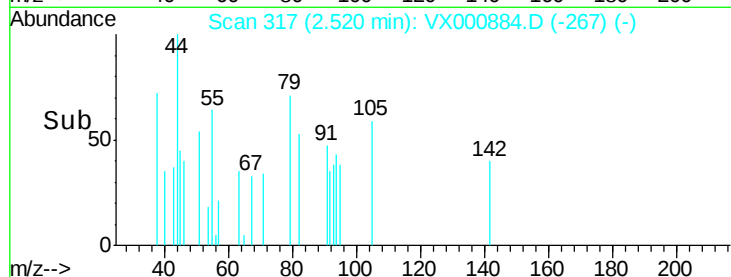
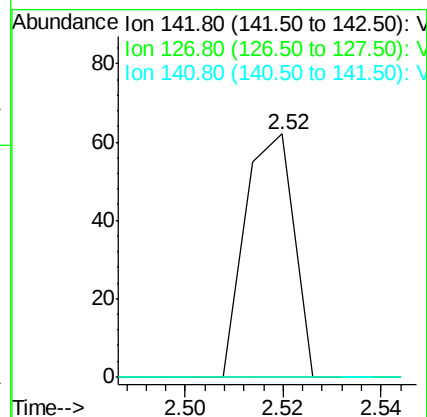
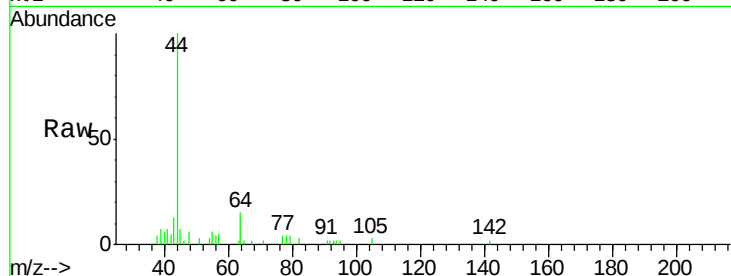




#10
Methyl Iodide
Concen: 8.25 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000884.D
Acq: 14 Apr 2018 19:18

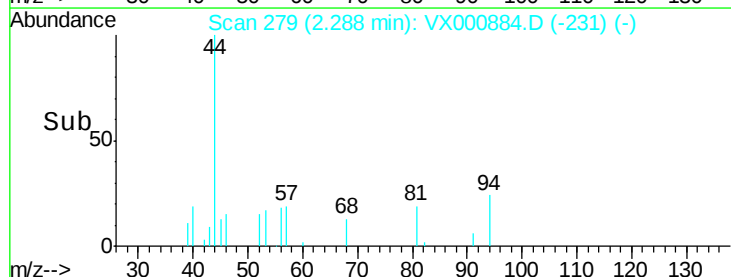
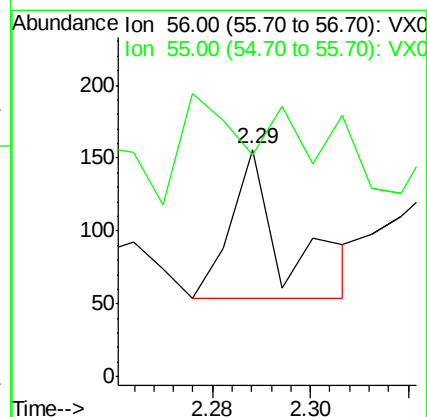
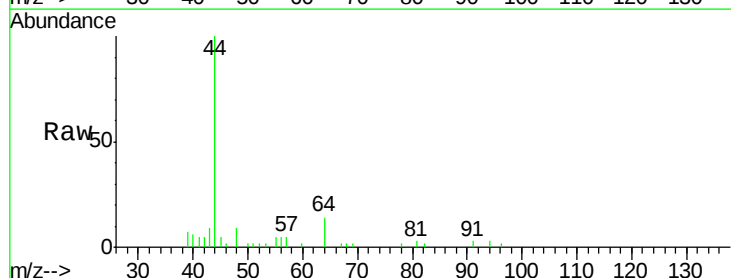
Instrument :
MSVOA_X
ClientSampleId :
LF012MW007-180410

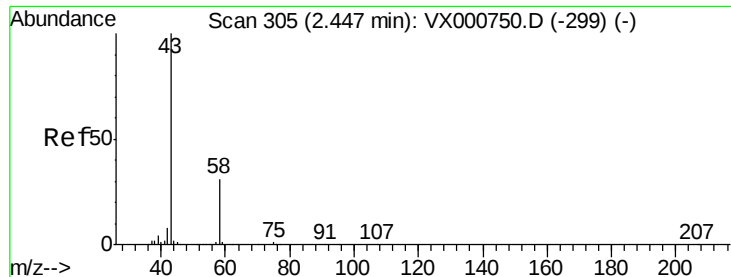
Tgt Ion: 142 Resp: 43
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.31 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX000884.D
Acq: 14 Apr 2018 19:18

Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 75.3 58.7 88.1





#16

Acetone

Concen: 0.53 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

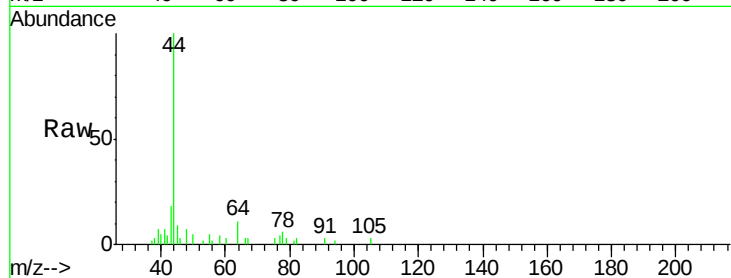
LF012MW007-180410

Tgt Ion: 43 Resp: 553

Ion Ratio Lower Upper

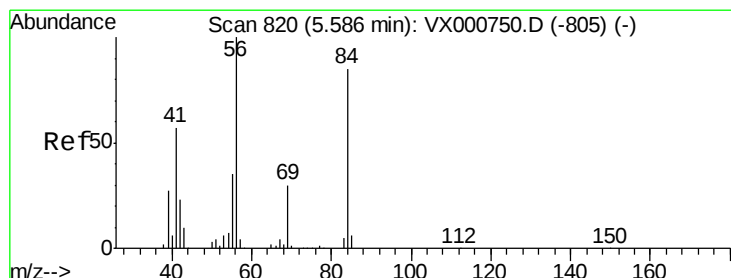
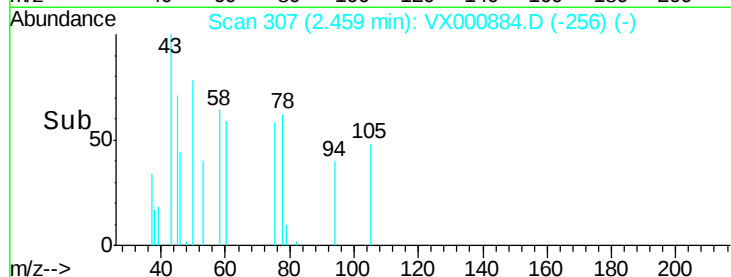
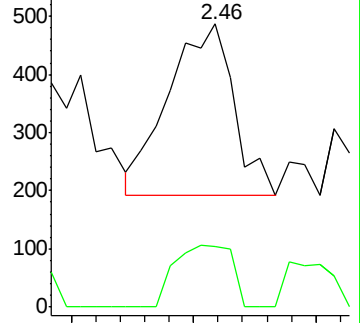
43 100

58 35.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#31

Cyclohexane

Concen: 1.05 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

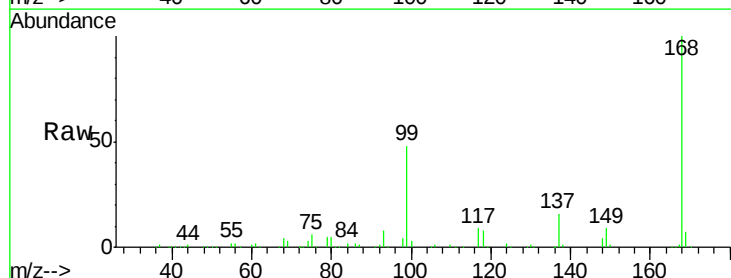
Tgt Ion: 56 Resp: 4202

Ion Ratio Lower Upper

56 100

69 191.5 24.2 36.4#

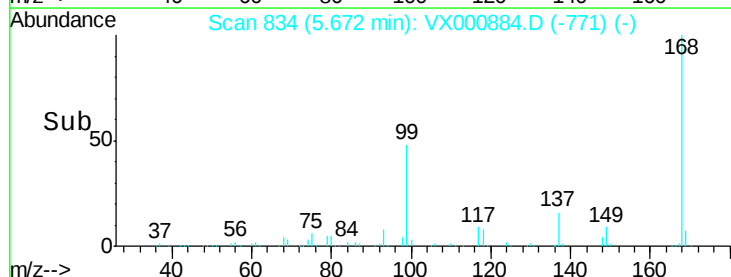
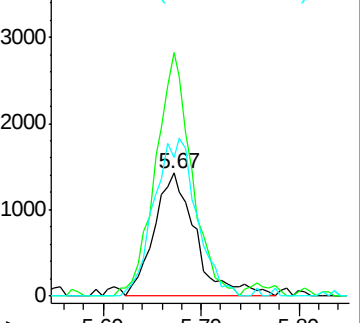
84 108.1 67.6 101.4#

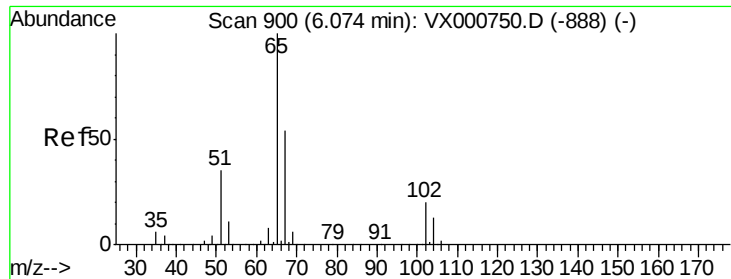


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.73 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

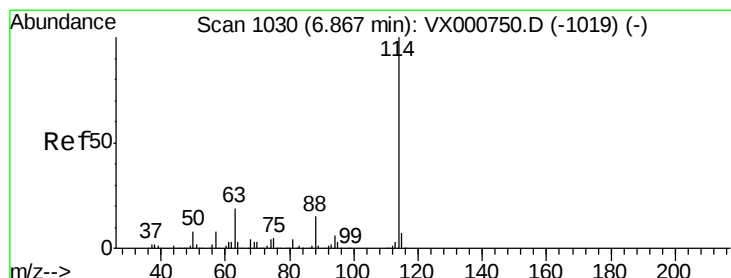
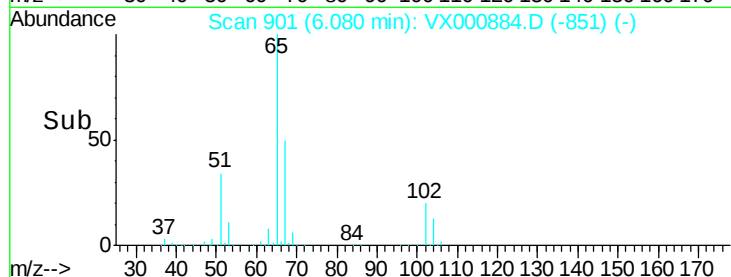
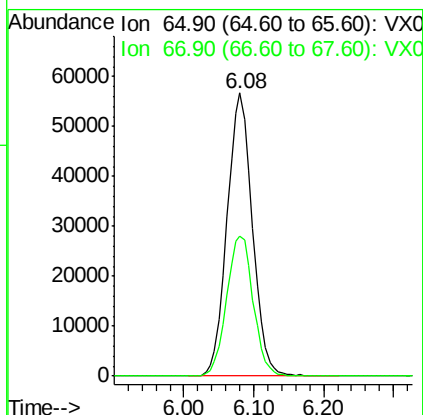
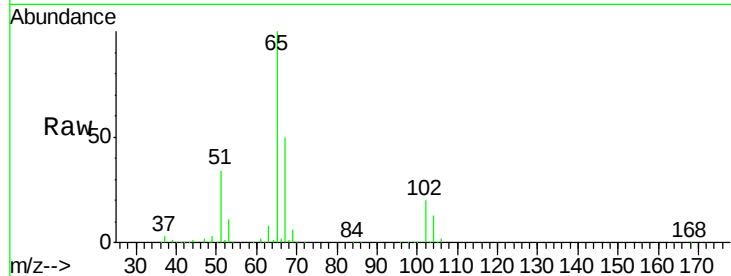
LF012MW007-180410

Tgt Ion: 65 Resp: 142154

Ion Ratio Lower Upper

65 100

67 52.2 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: VX000884.D

Acq: 14 Apr 2018 19:18

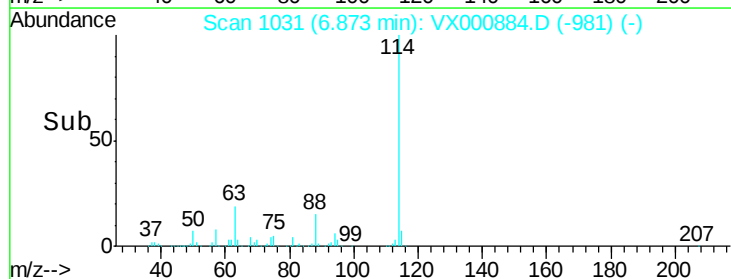
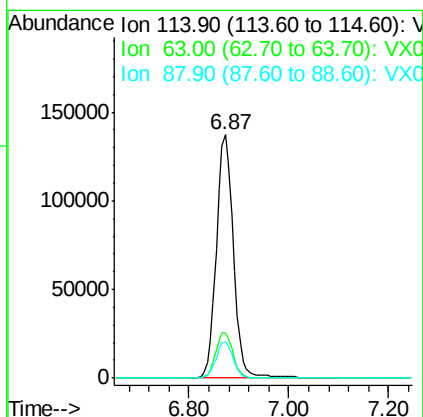
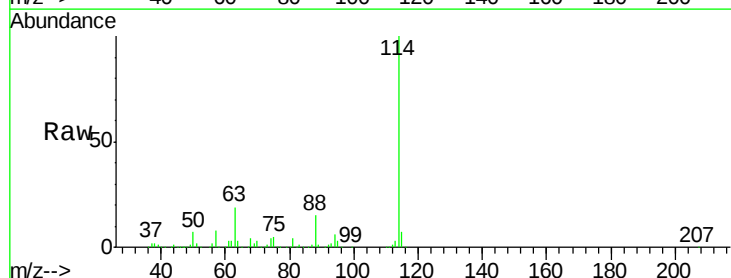
Tgt Ion: 114 Resp: 326367

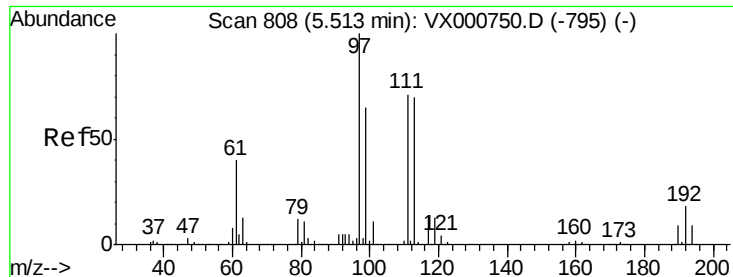
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 14.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 45.41 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

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LF012MW007-180410

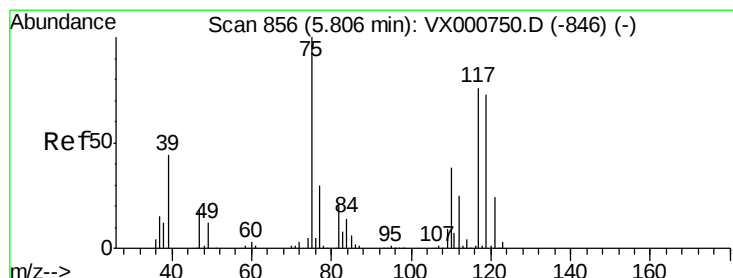
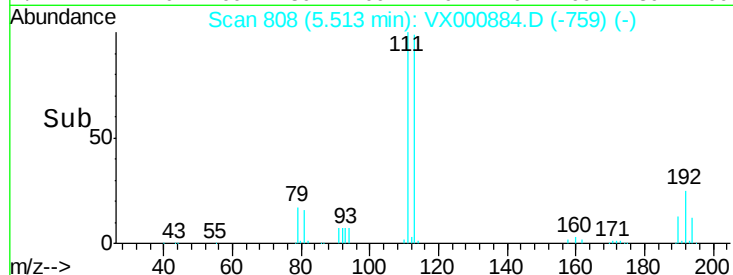
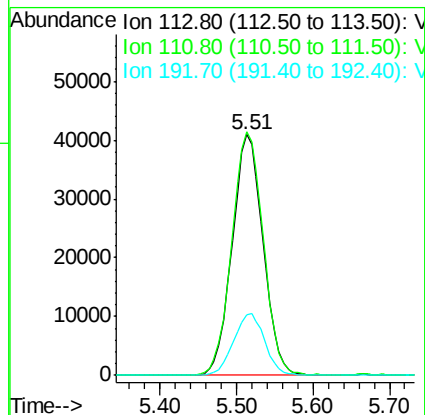
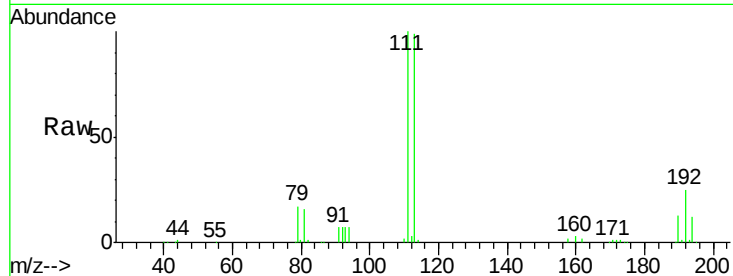
Tgt Ion:113 Resp: 114190

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

192 25.7 20.4 30.6



#36

1,1-Dichloropropene

Concen: 4.09 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

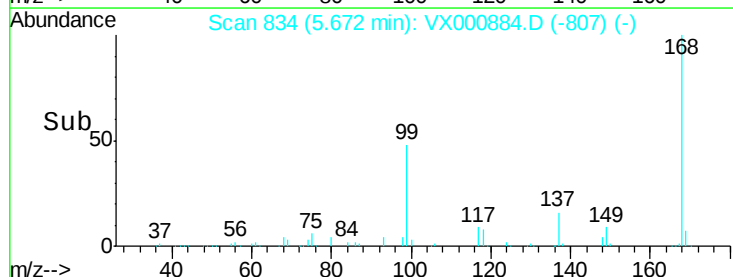
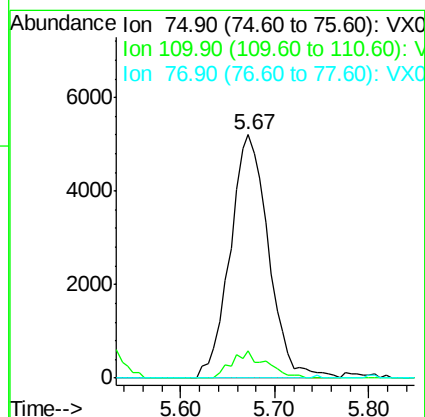
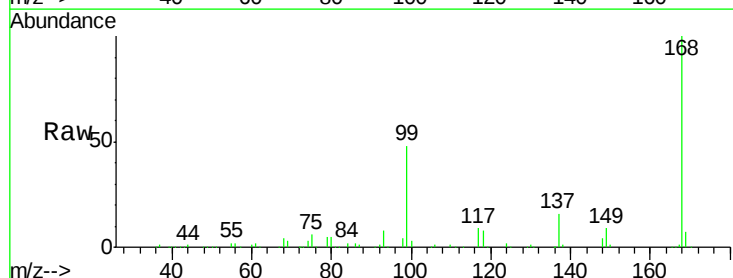
Tgt Ion: 75 Resp: 14701

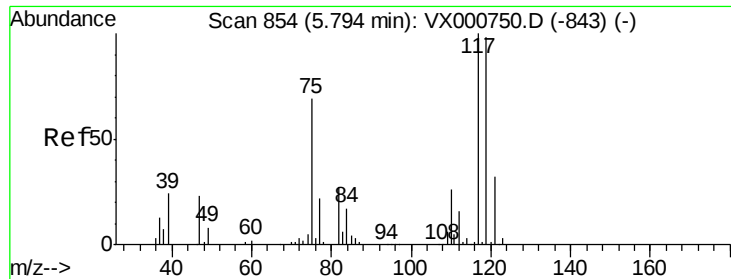
Ion Ratio Lower Upper

75 100

110 9.9 19.2 57.6#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.10 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

LF012MW007-180410

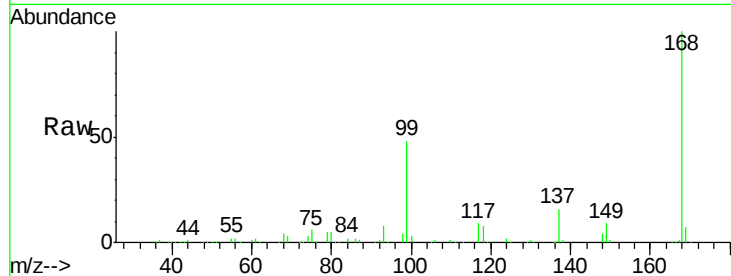
Tgt Ion: 117 Resp: 20505

Ion Ratio Lower Upper

117 100

119 4.9 78.4 117.6#

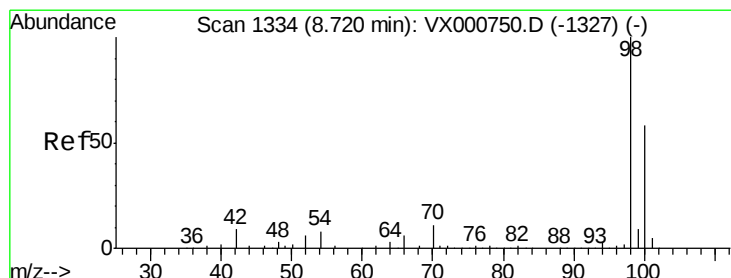
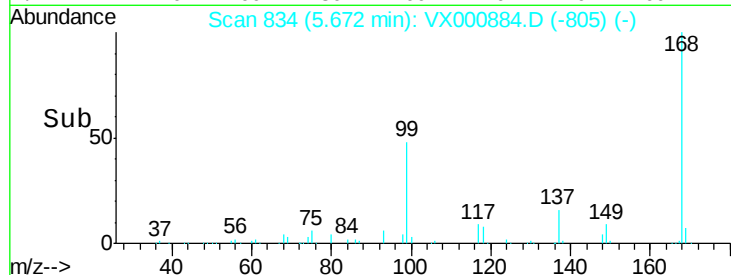
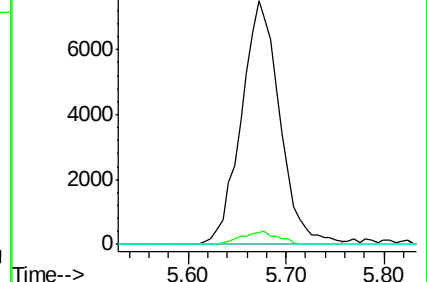
121 0.0 25.4 38.0#



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



#50

Toluene-d8

Concen: 48.71 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000884.D

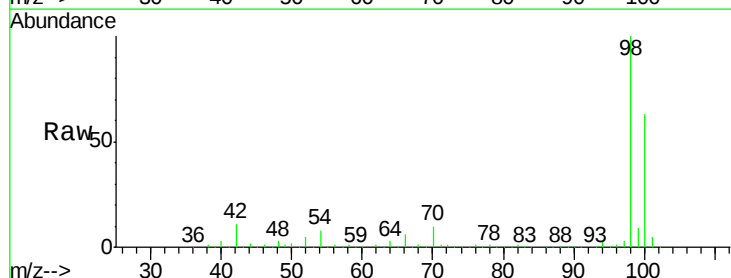
Acq: 14 Apr 2018 19:18

Tgt Ion: 98 Resp: 456057

Ion Ratio Lower Upper

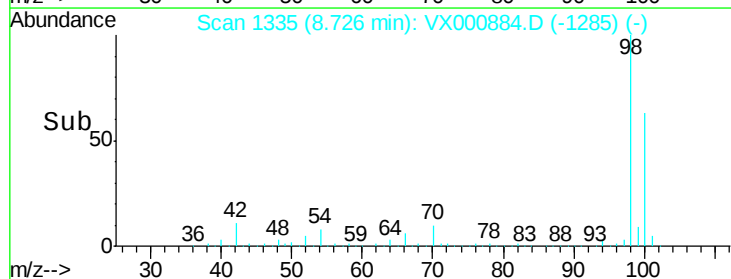
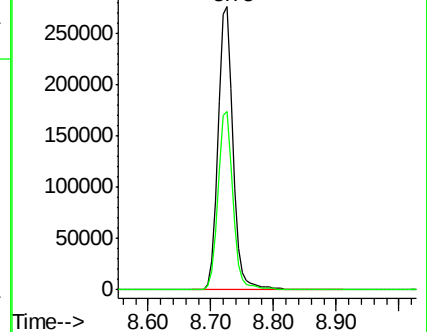
98 100

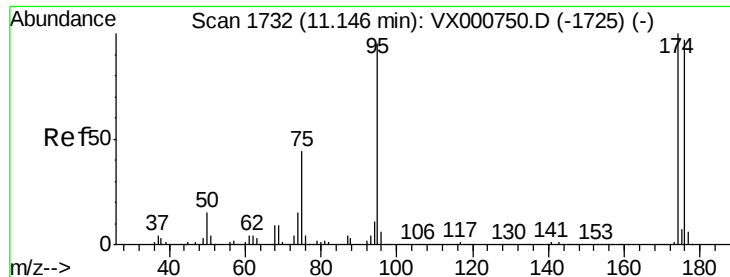
100 63.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.61 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

LF012MW007-180410

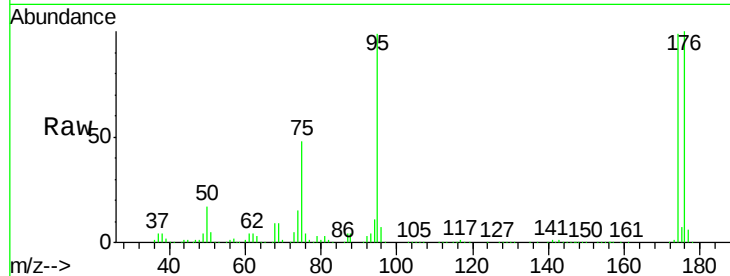
Tgt Ion: 95 Resp: 176664

Ion Ratio Lower Upper

95 100

174 97.6 0.0 198.4

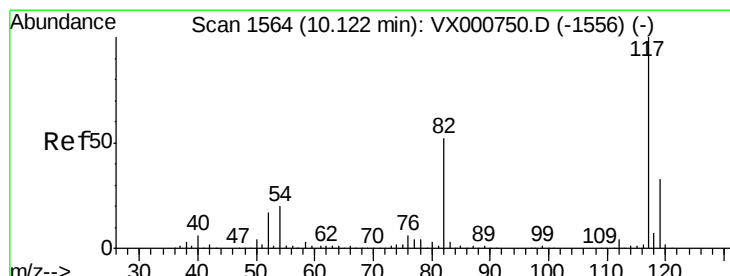
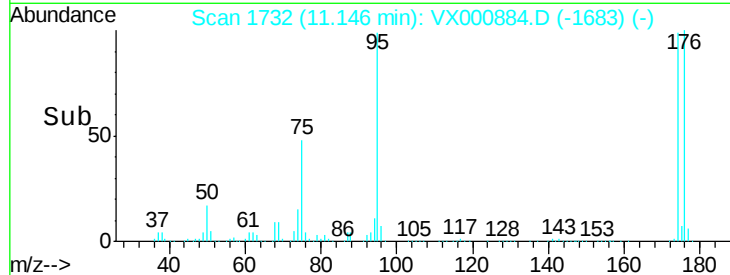
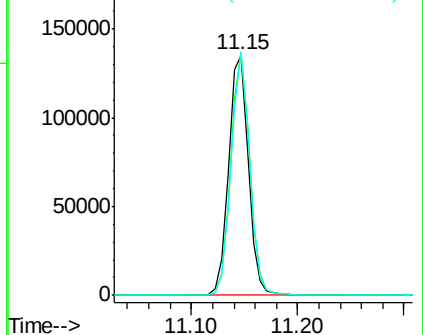
176 95.7 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

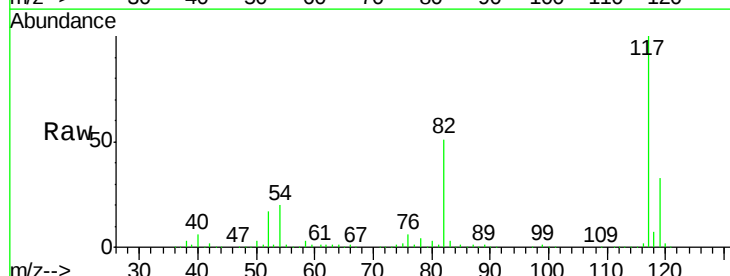
Tgt Ion: 117 Resp: 300228

Ion Ratio Lower Upper

117 100

82 51.5 41.9 62.9

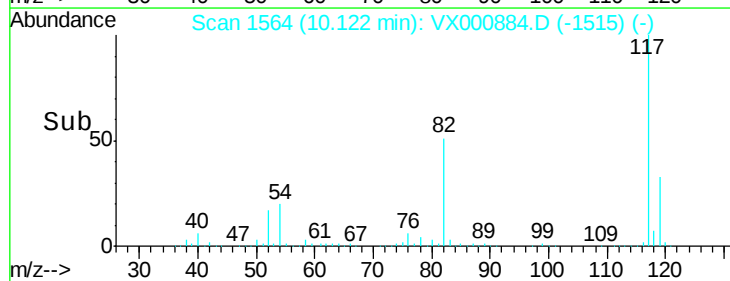
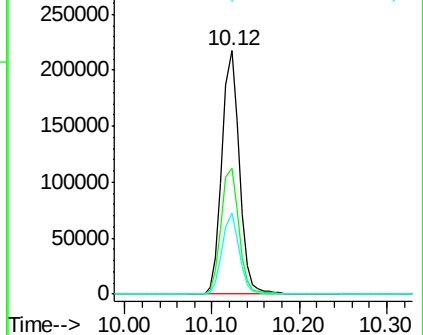
119 33.1 26.0 39.0

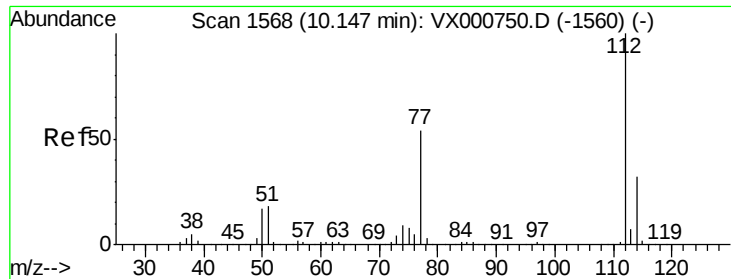


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#65

Chlorobenzene

Concen: 1.20 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

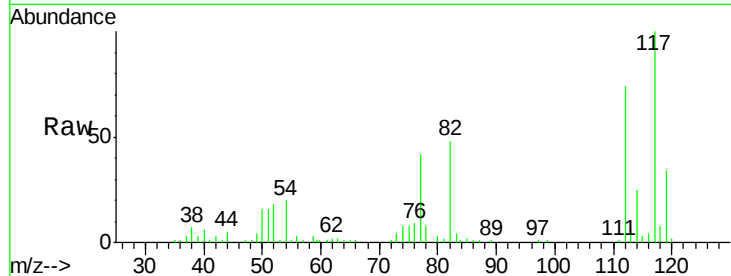
LF012MW007-180410

Tgt Ion:112 Resp: 9032

Ion Ratio Lower Upper

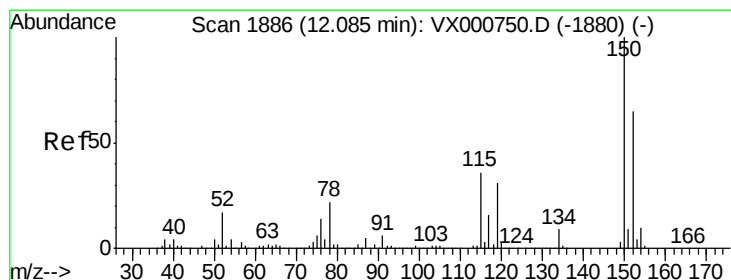
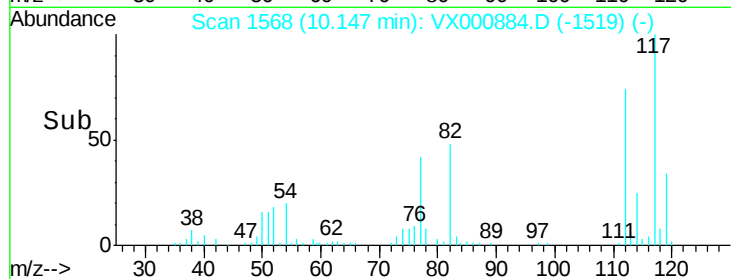
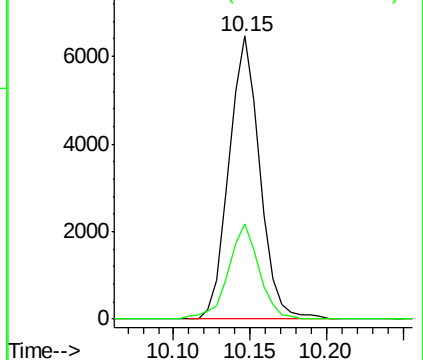
112 100

114 33.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

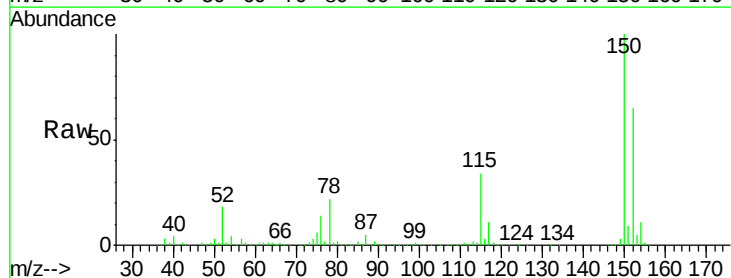
Tgt Ion:152 Resp: 200336

Ion Ratio Lower Upper

152 100

115 52.9 37.9 113.7

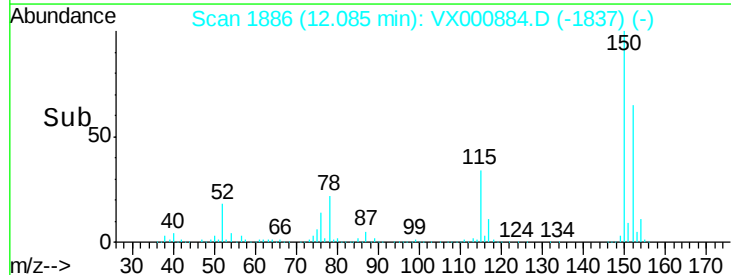
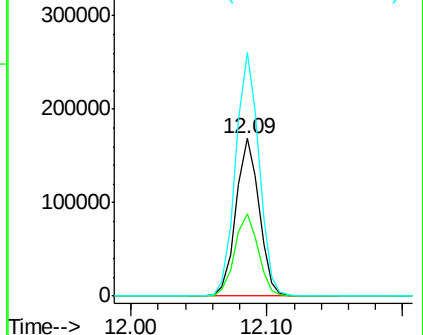
150 155.5 0.0 348.0

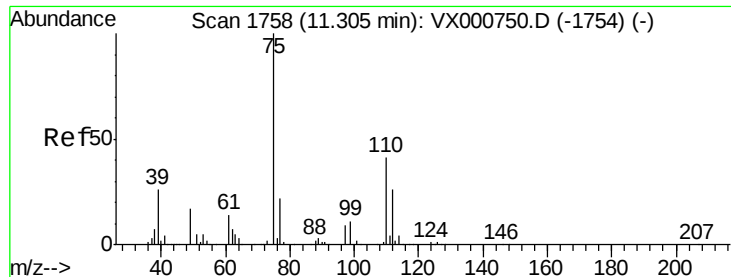


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.83 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

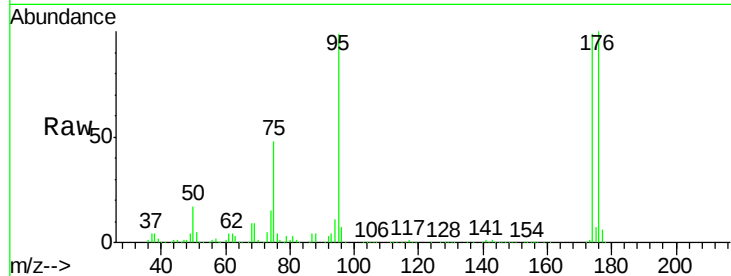
LF012MW007-180410

Tgt Ion: 75 Resp: 85781

Ion Ratio Lower Upper

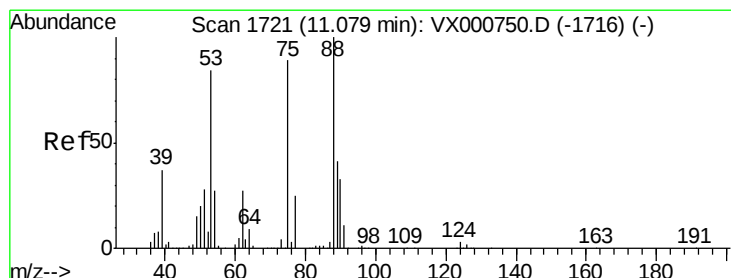
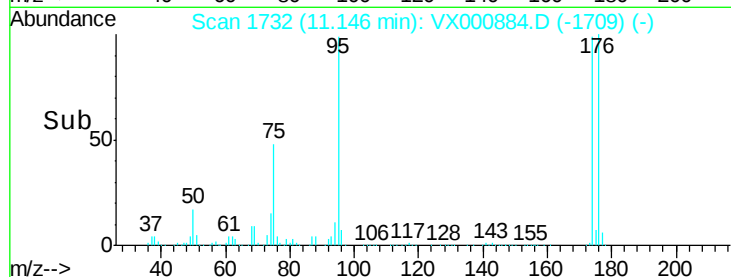
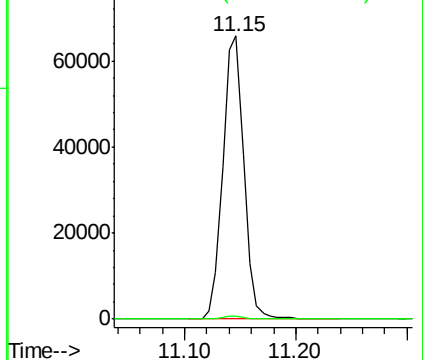
75 100

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: 68.30 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

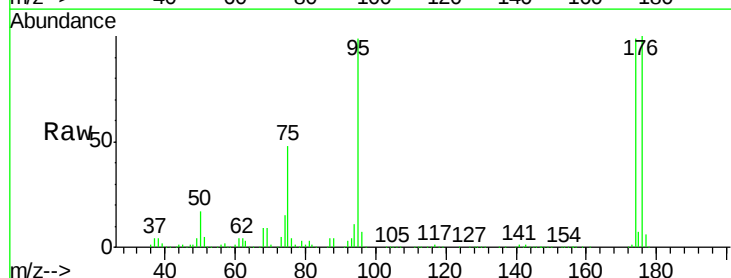
Tgt Ion: 75 Resp: 85781

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

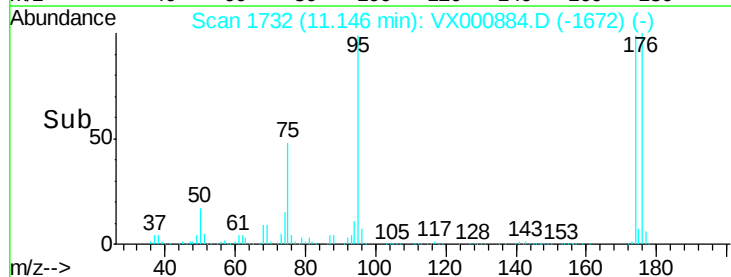
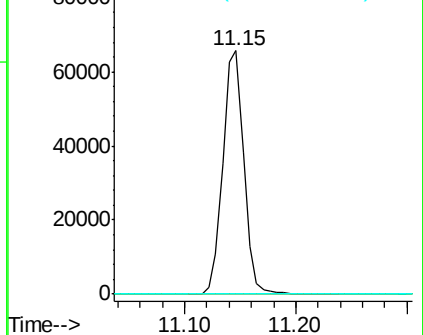
89 0.0 40.9 61.3#

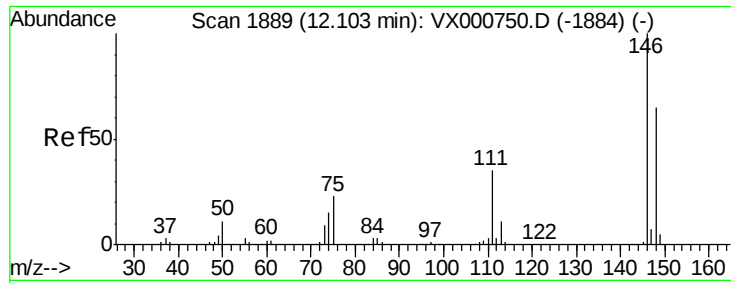


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

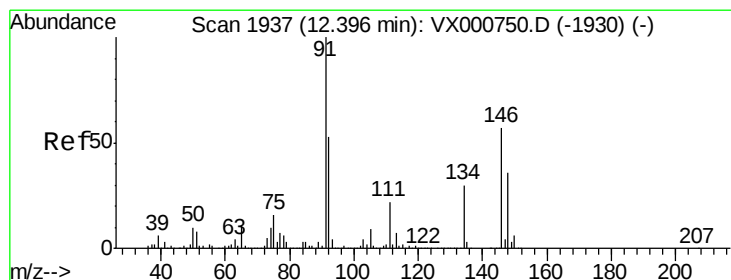
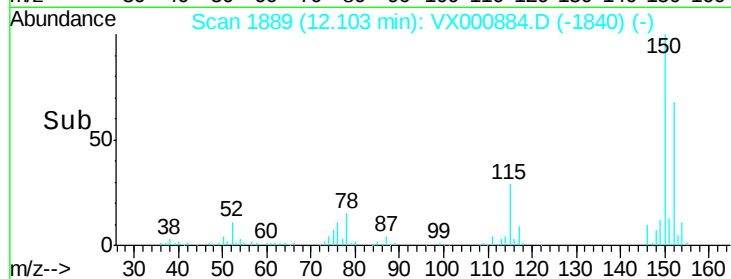
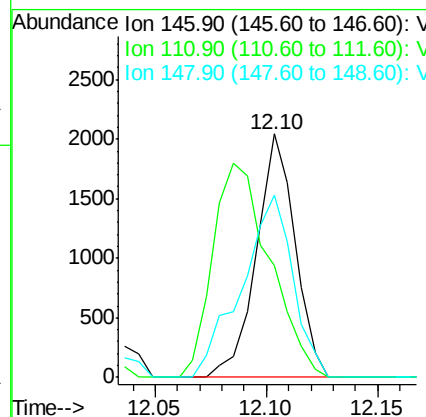
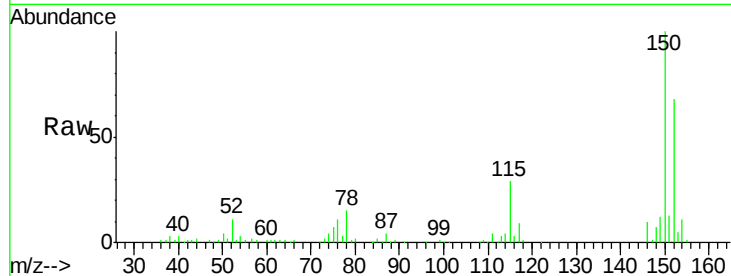




#88
 1,4-Dichlorobenzene
 Concen: 0.35 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX000884.D
 Acq: 14 Apr 2018 19:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW007-180410

Tgt Ion:146 Resp: 2472
 Ion Ratio Lower Upper
 146 100
 111 128.8 17.9 53.8#
 148 99.3 32.6 97.7#



#91
 1,2-Dichlorobenzene
 Concen: 0.34 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000884.D
 Acq: 14 Apr 2018 19:18

Tgt Ion:146 Resp: 2262
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.9 56.7
 148 62.7 32.0 96.2

