

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041418\
 Data File : VX000886.D
 Acq On : 14 Apr 2018 20:10
 Operator : JC/MD
 Sample : J2353-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-180410

Quant Time: Apr 16 05:53:28 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	238767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319112	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	293959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	186001	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	141389	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	5.51	113	114534	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
50) Toluene-d8	8.73	98	446455	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.15	95	167601	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	

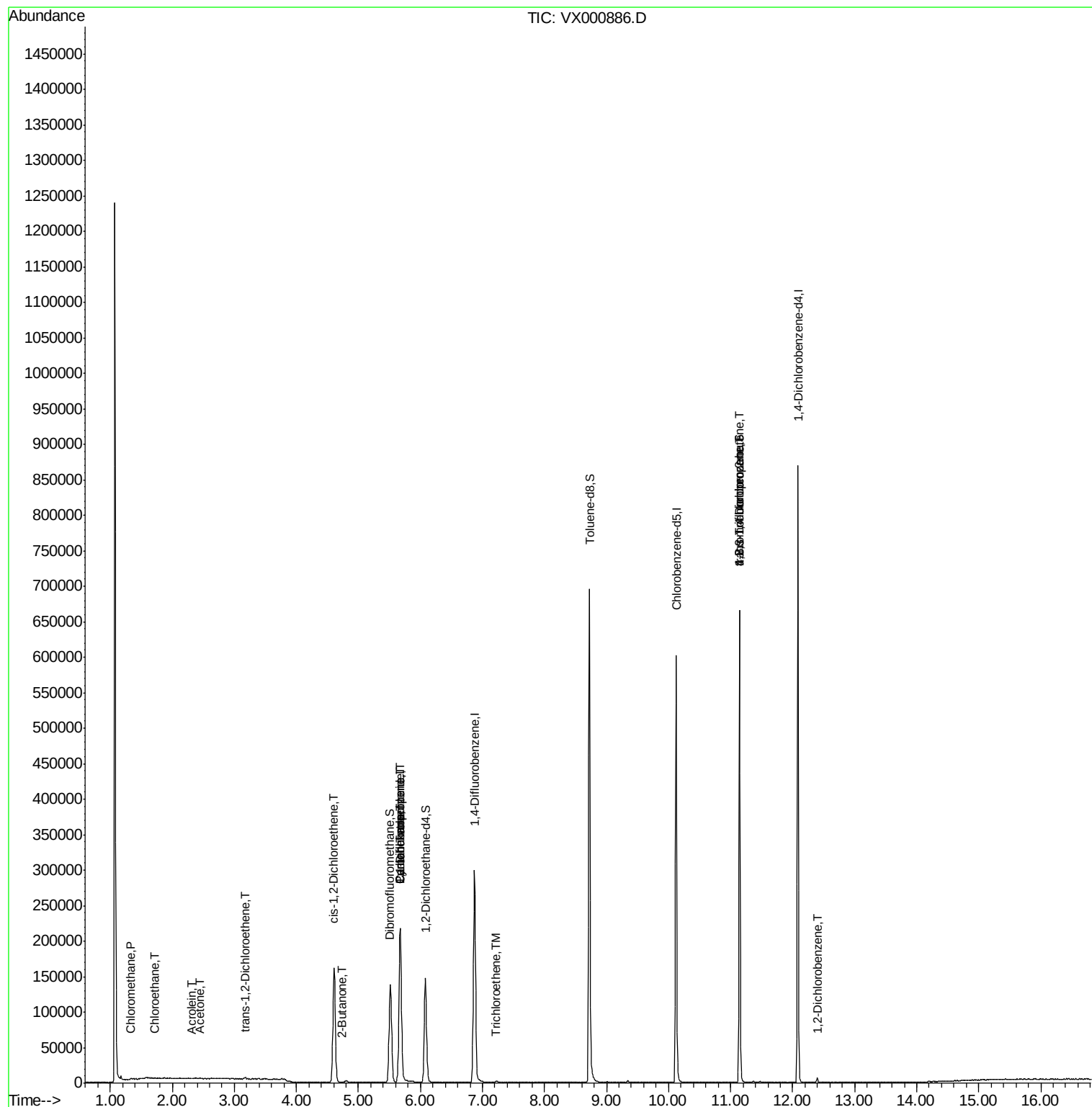
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	760	0.33	ug/l	97
5) Bromomethane	1.65	94	367	Below Cal	#	54
6) Chloroethane	1.72	64	553	0.35	ug/l	72
13) Acrolein	2.31	56	213	0.82	ug/l	48
16) Acetone	2.45	43	1286	1.24	ug/l	52
21) trans-1,2-Dichloroethene	3.17	96	1097	0.45	ug/l	96
25) 2-Butanone	4.74	43	350	0.20	ug/l	50
27) cis-1,2-Dichloroethene	4.60	96	105157	38.34	ug/l	88
31) Cyclohexane	5.67	56	4254	1.07	ug/l	1
36) 1,1-Dichloropropene	5.67	75	14343	4.08	ug/l	50
38) Carbon Tetrachloride	5.67	117	20446	5.20	ug/l	15
44) Trichloroethene	7.22	130	1070	0.35	ug/l	70
76) 1,2,3-Trichloropropane	11.15	75	82475	25.71	ug/l	36
81) trans-1,4-Dichloro-2-buten	11.15	75	82475	70.73	ug/l	11
91) 1,2-Dichlorobenzene	12.40	146	2230	0.36	ug/l	99

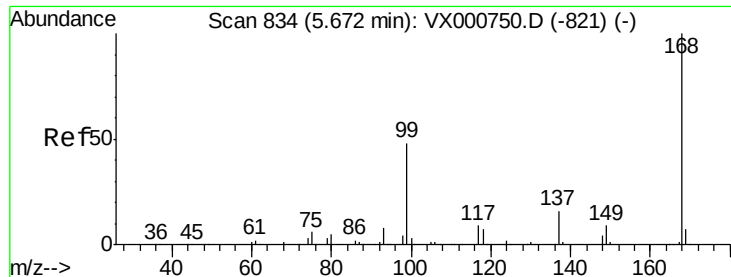
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000886.D

Acq: 14 Apr 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

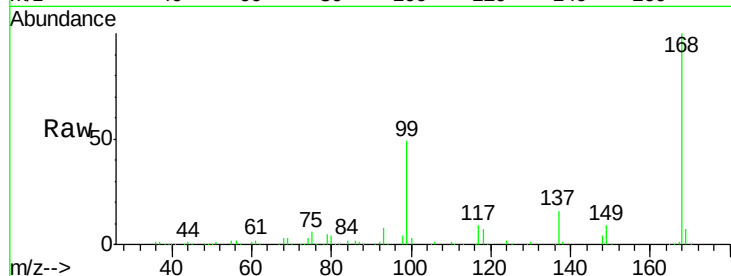
LF012MW004-180410

Tgt Ion:168 Resp: 238767

Ion Ratio Lower Upper

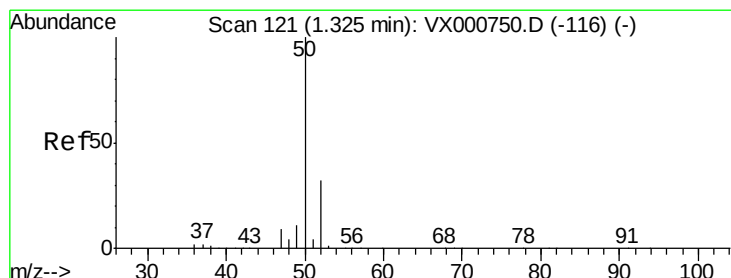
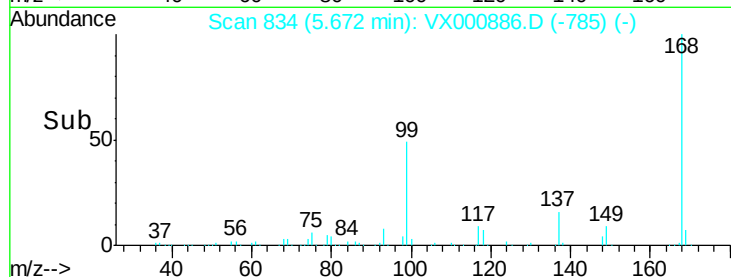
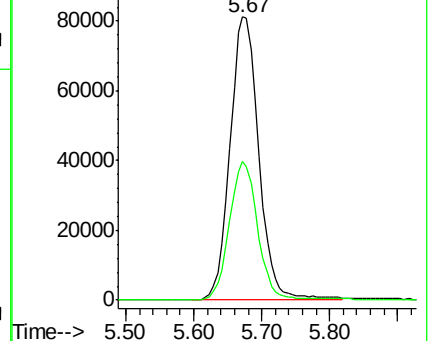
168 100

99 49.1 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: 0.33 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000886.D

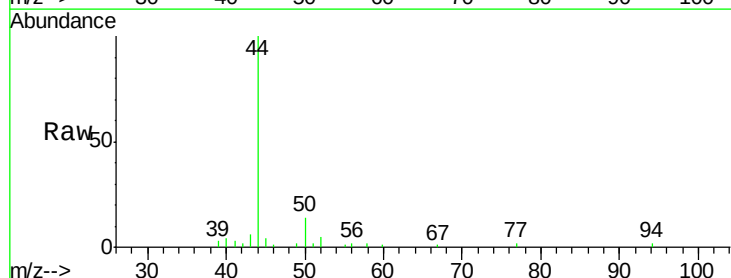
Acq: 14 Apr 2018 20:10

Tgt Ion: 50 Resp: 760

Ion Ratio Lower Upper

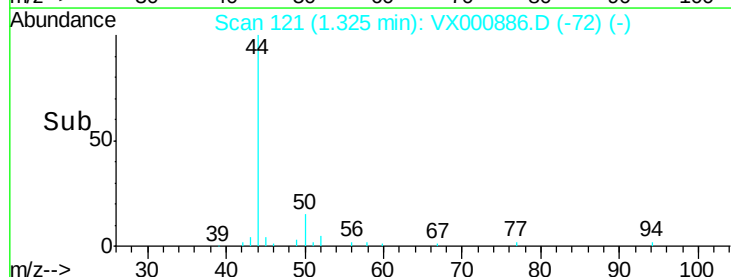
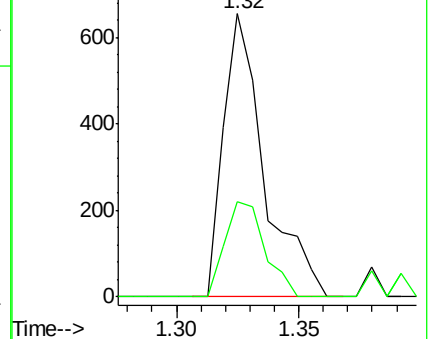
50 100

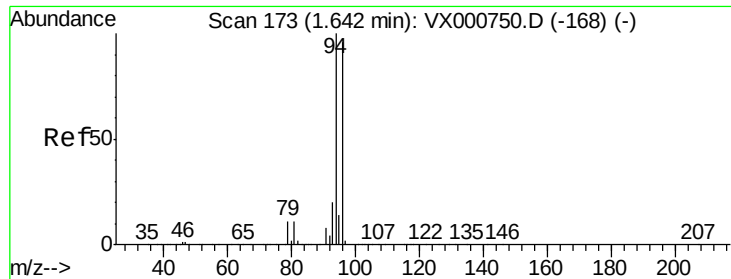
52 33.7 25.8 38.8



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# 174

Delta R.T. 0.01 min

Lab File: VX000886.D

Acq: 14 Apr 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

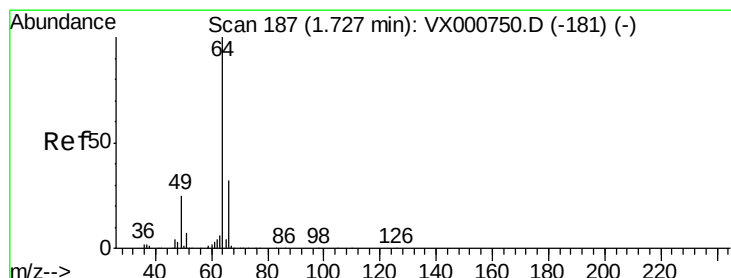
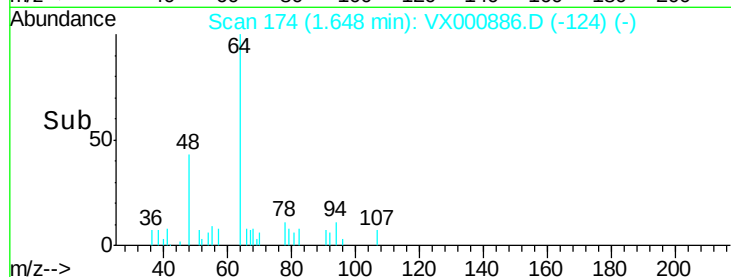
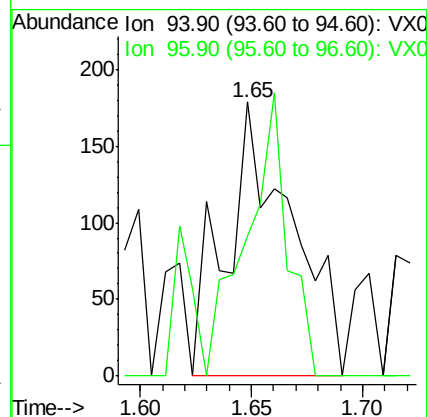
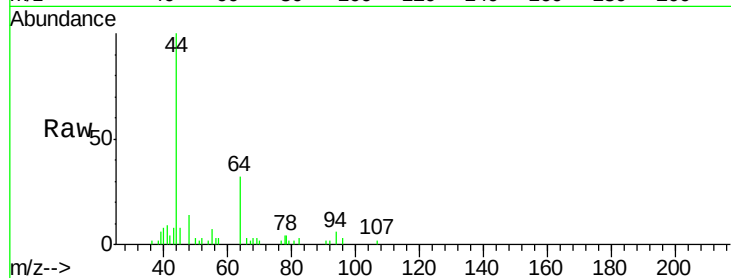
LF012MW004-180410

Tgt Ion: 94 Resp: 367

Ion Ratio Lower Upper

94 100

96 50.8 77.0 115.6#



#6

Chloroethane

Concen: 0.35 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000886.D

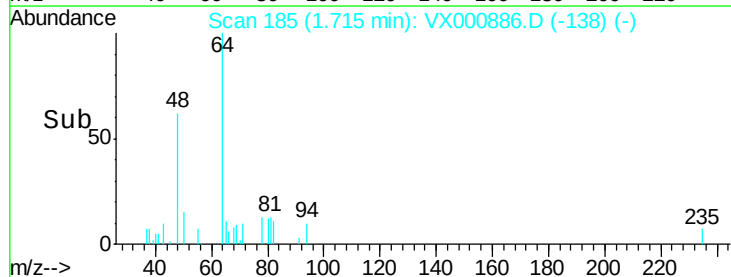
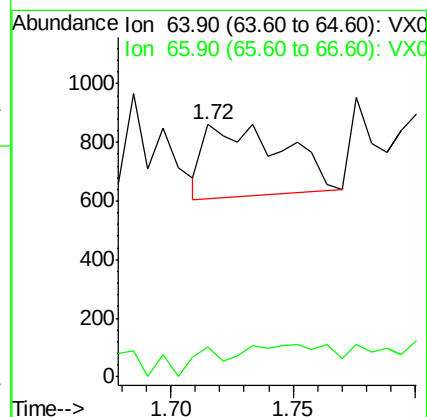
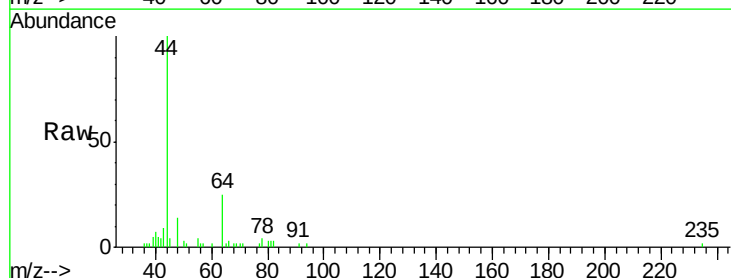
Acq: 14 Apr 2018 20:10

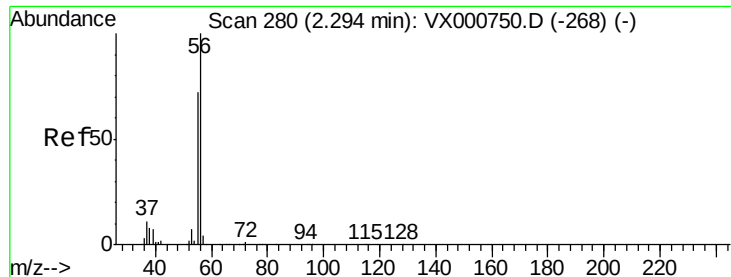
Tgt Ion: 64 Resp: 553

Ion Ratio Lower Upper

64 100

66 16.1 25.3 37.9#





#13

Acrolein

Concen: 0.82 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX000886.D

Acq: 14 Apr 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

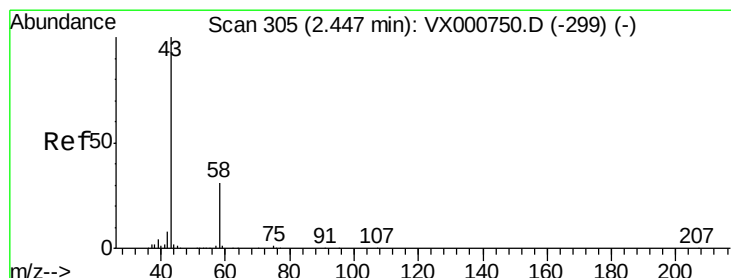
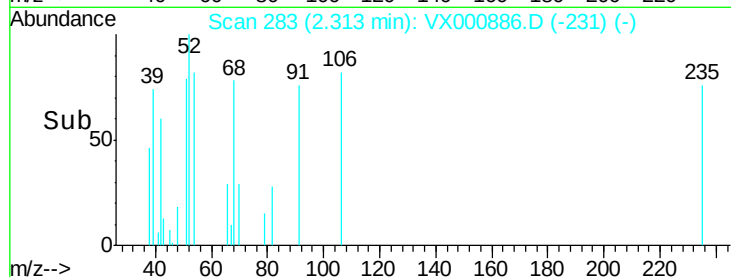
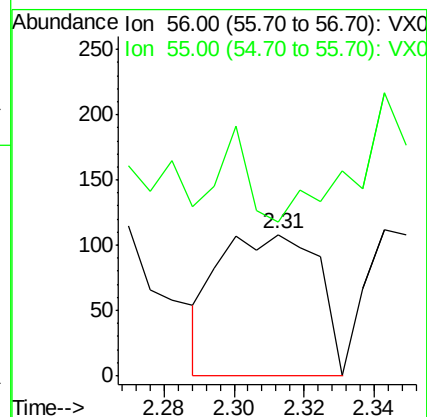
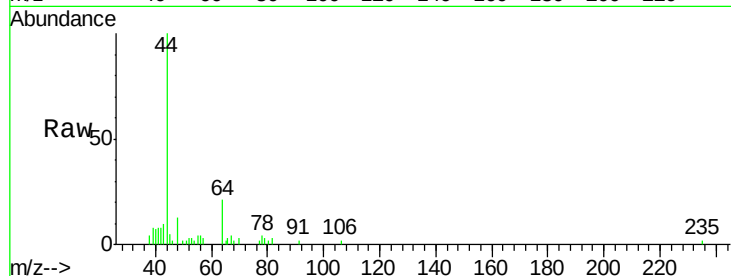
LF012MW004-180410

Tgt Ion: 56 Resp: 213

Ion Ratio Lower Upper

56 100

55 29.6 58.7 88.1#



#16

Acetone

Concen: 1.24 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000886.D

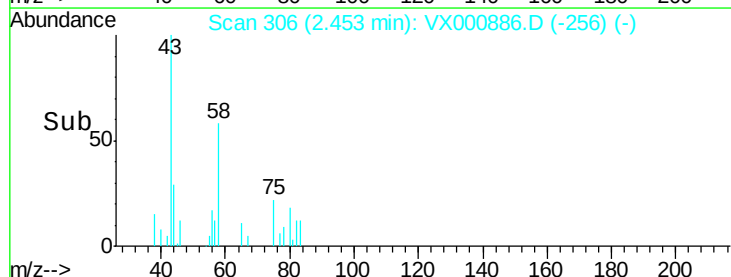
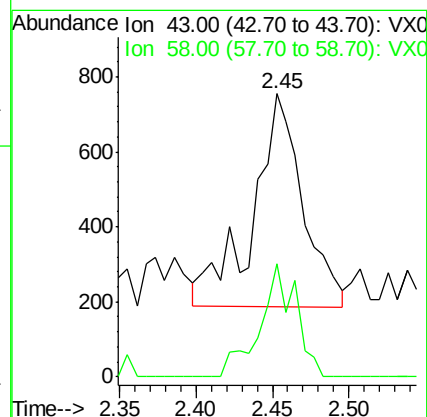
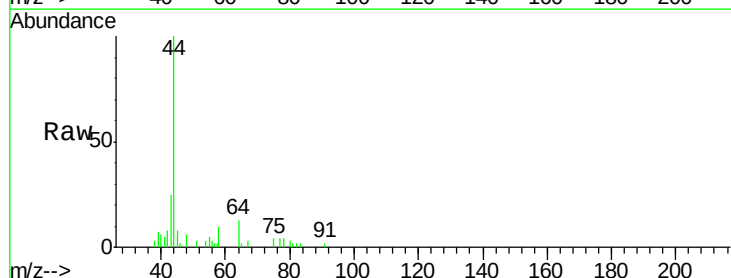
Acq: 14 Apr 2018 20:10

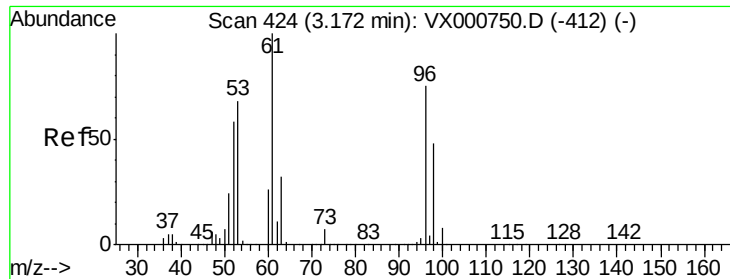
Tgt Ion: 43 Resp: 1286

Ion Ratio Lower Upper

43 100

58 57.1 24.6 37.0#





#21

trans-1,2-Dichloroethene

Concen: 0.45 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000886.D

Acq: 14 Apr 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-180410

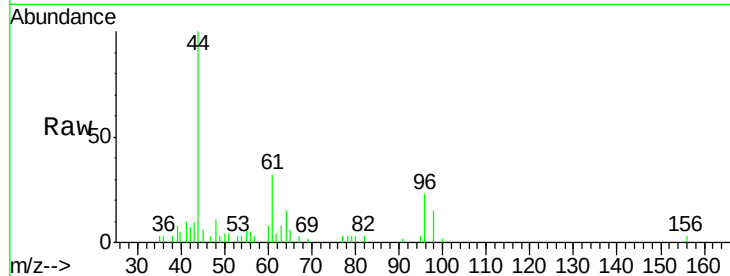
Tgt Ion: 96 Resp: 1097

Ion Ratio Lower Upper

96 100

61 139.6 106.2 159.2

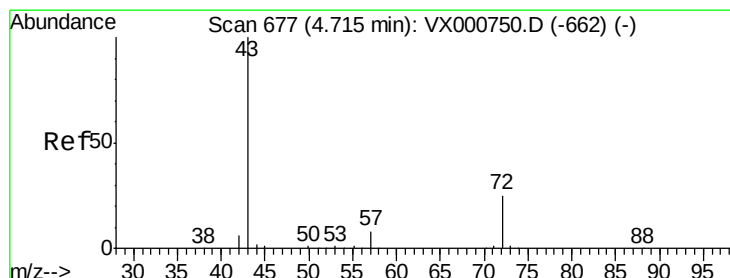
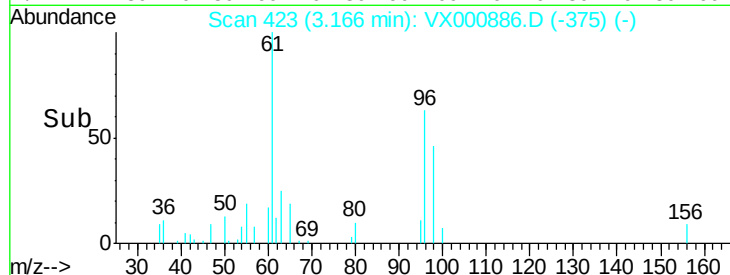
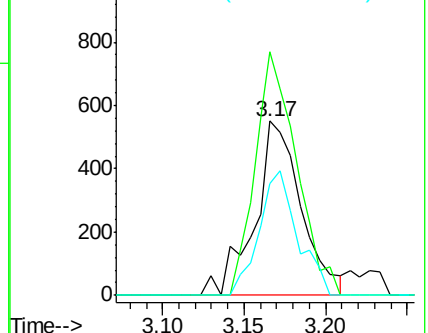
98 63.9 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.20 ug/l

RT: 4.74 min Scan# 681

Delta R.T. 0.02 min

Lab File: VX000886.D

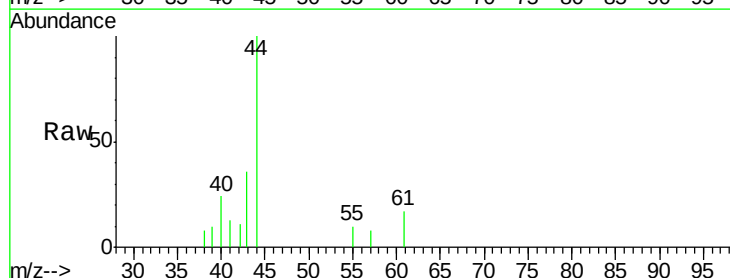
Acq: 14 Apr 2018 20:10

Tgt Ion: 43 Resp: 350

Ion Ratio Lower Upper

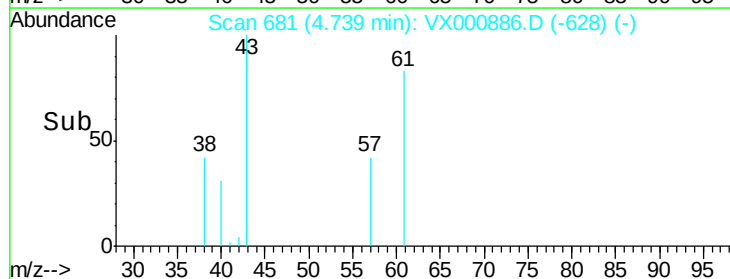
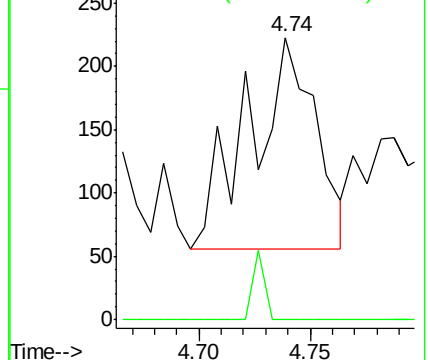
43 100

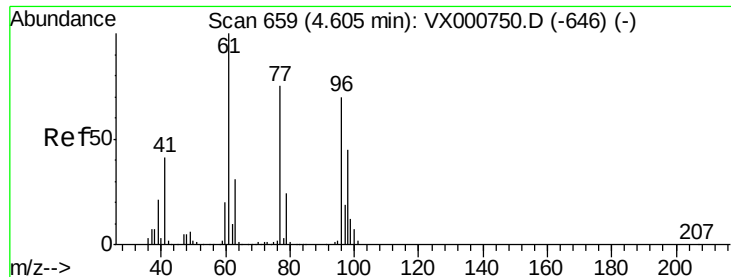
72 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 38.34 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX000886.D

Acq: 14 Apr 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-180410

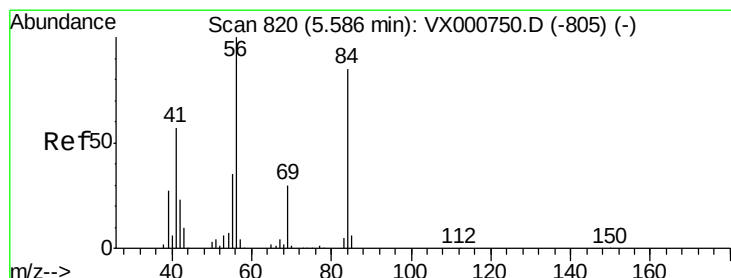
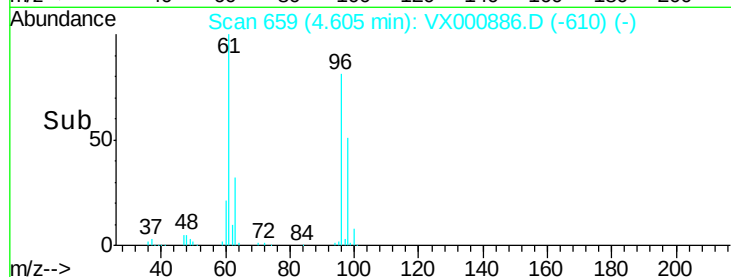
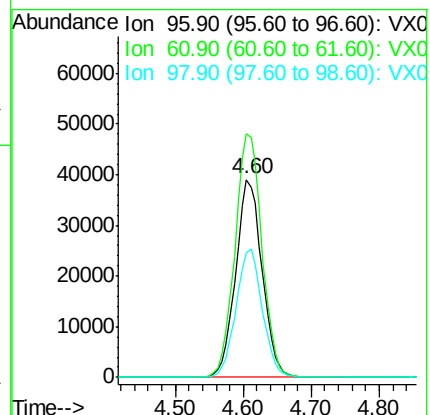
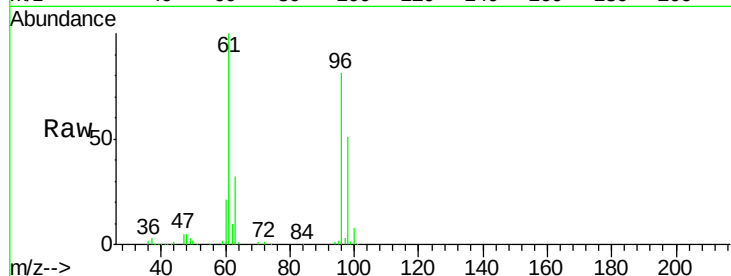
Tgt Ion: 96 Resp: 105157

Ion Ratio Lower Upper

96 100

61 125.7 0.0 292.4

98 64.6 0.0 130.2



#31

Cyclohexane

Concen: 1.07 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000886.D

Acq: 14 Apr 2018 20:10

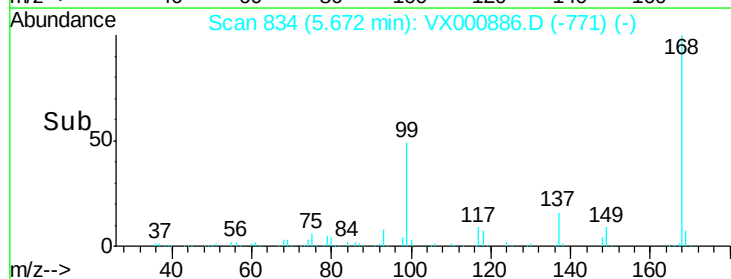
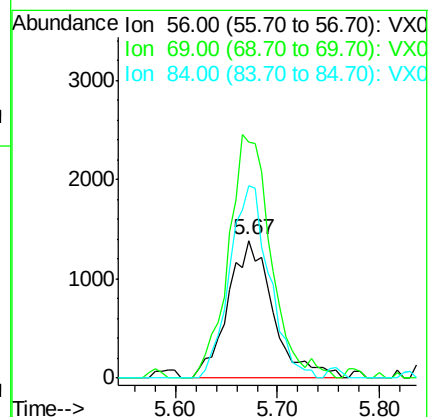
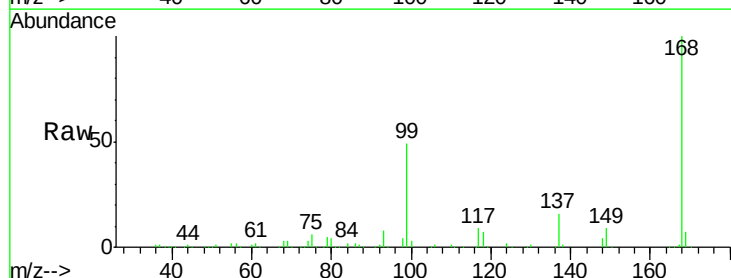
Tgt Ion: 56 Resp: 4254

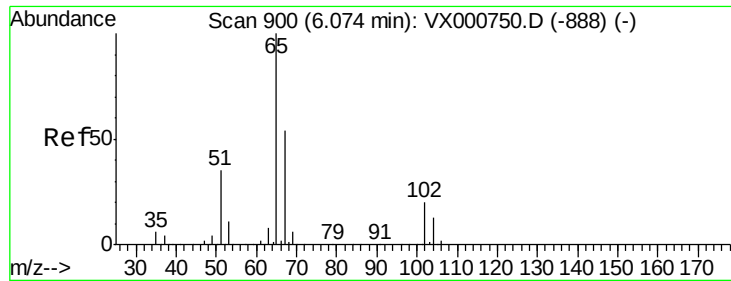
Ion Ratio Lower Upper

56 100

69 171.9 24.2 36.4#

84 140.5 67.6 101.4#

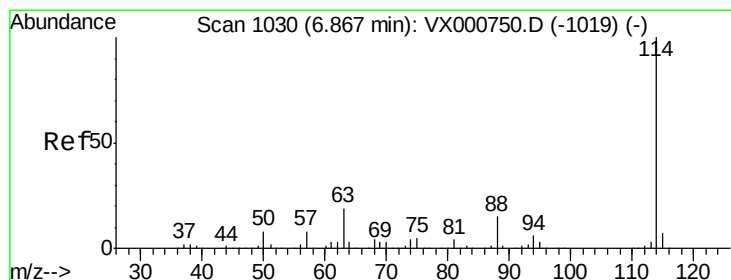
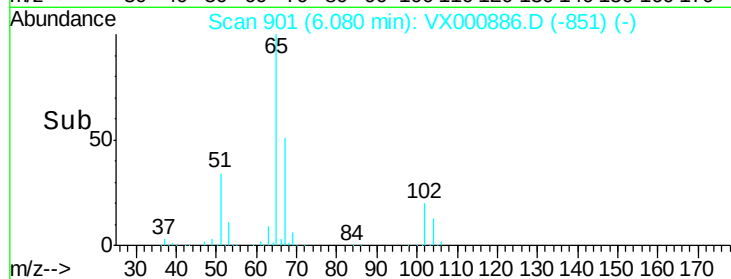
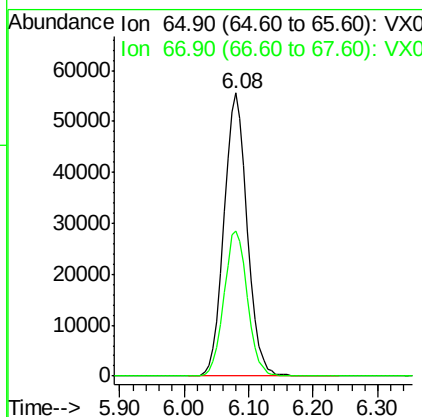
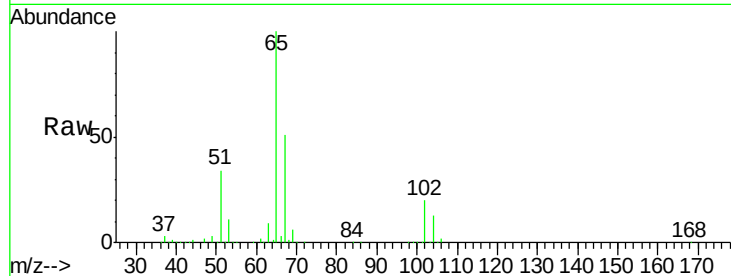




#33
 1,2-Dichloroethane-d4
 Concen: 46.96 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000886.D
 Acq: 14 Apr 2018 20:10

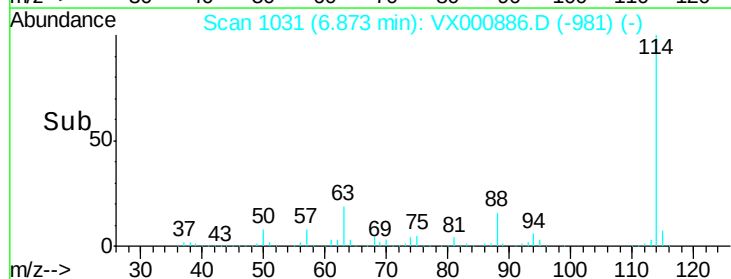
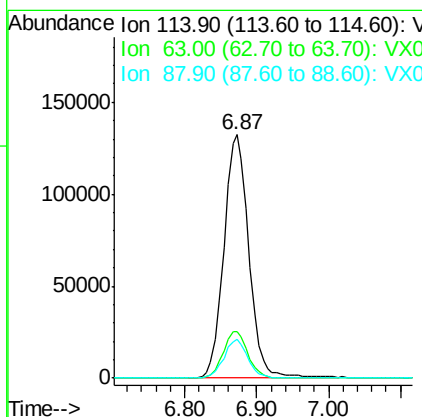
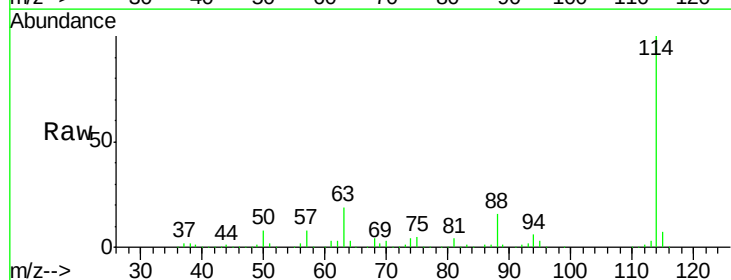
Instrument :
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 LF012MW004-180410

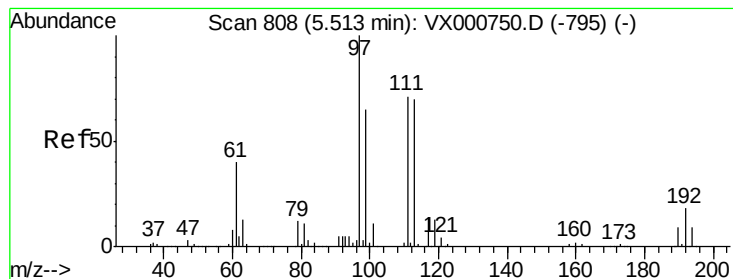
Tgt Ion: 65 Resp: 141389
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000886.D
 Acq: 14 Apr 2018 20:10

Tgt Ion: 114 Resp: 319112
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.4
 88 15.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.59 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000886.D

Acq: 14 Apr 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-180410

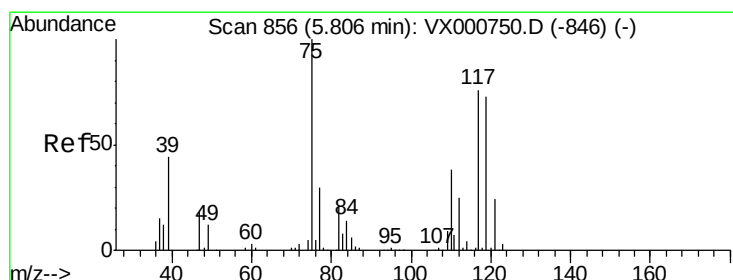
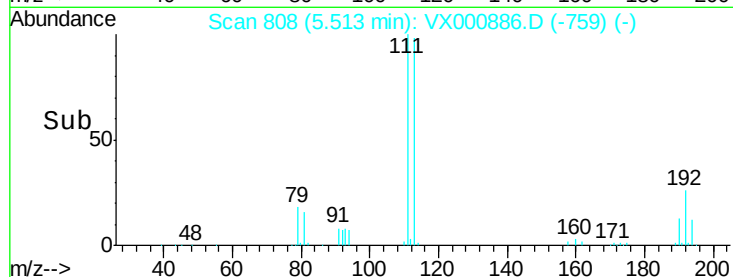
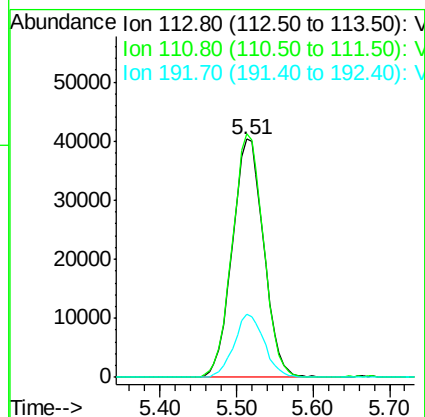
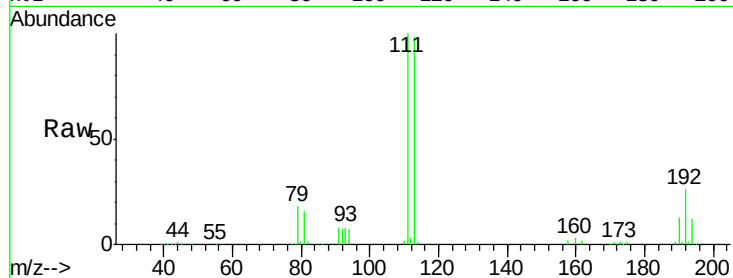
Tgt Ion:113 Resp: 114534

Ion Ratio Lower Upper

113 100

111 101.2 81.5 122.3

192 25.4 20.4 30.6



#36

1,1-Dichloropropene

Concen: 4.08 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000886.D

Acq: 14 Apr 2018 20:10

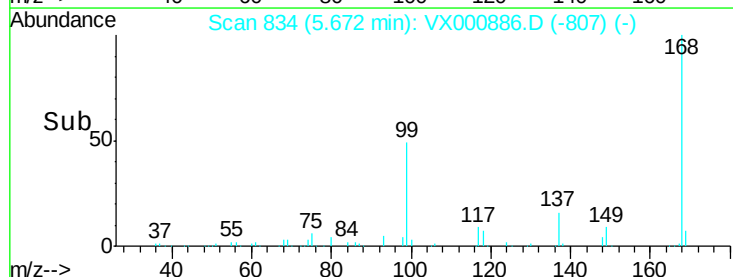
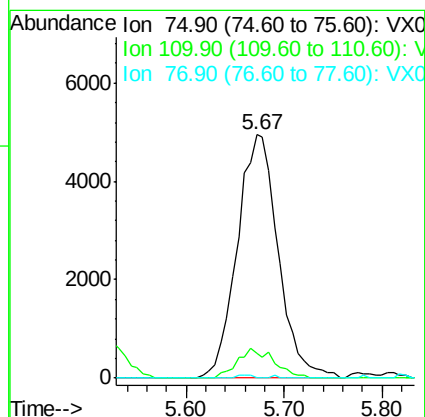
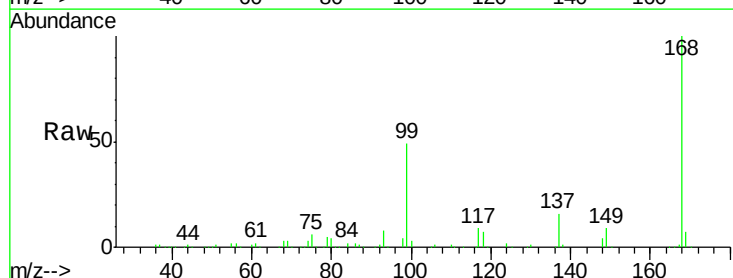
Tgt Ion: 75 Resp: 14343

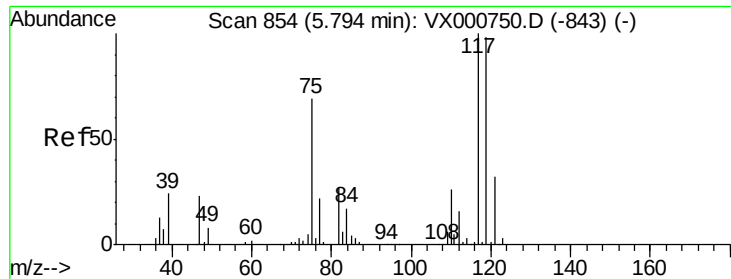
Ion Ratio Lower Upper

75 100

110 10.9 19.2 57.6#

77 0.4 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.20 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000886.D

Acq: 14 Apr 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-180410

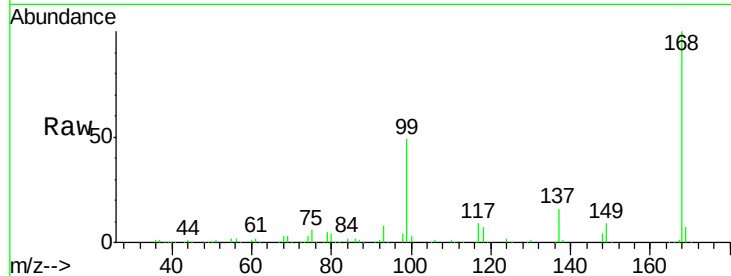
Tgt Ion:117 Resp: 20446

Ion Ratio Lower Upper

117 100

119 4.4 78.4 117.6#

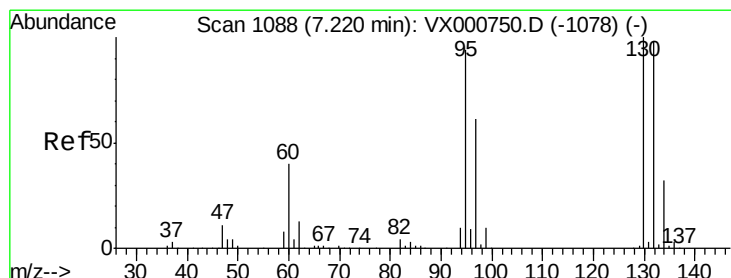
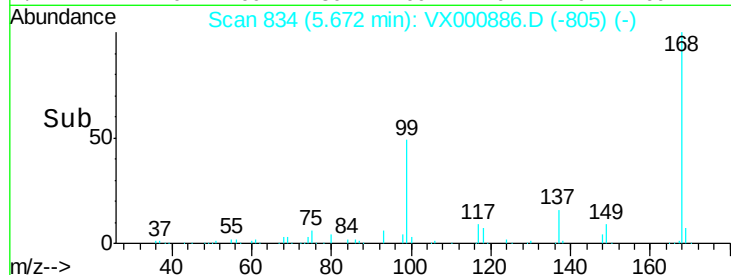
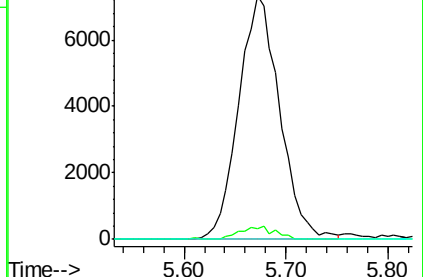
121 0.0 25.4 38.0#



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



#44

Trichloroethene

Concen: 0.35 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX000886.D

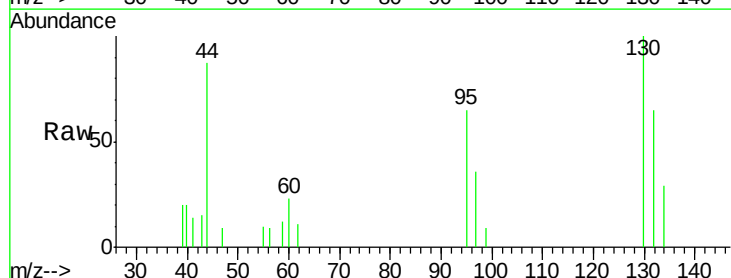
Acq: 14 Apr 2018 20:10

Tgt Ion:130 Resp: 1070

Ion Ratio Lower Upper

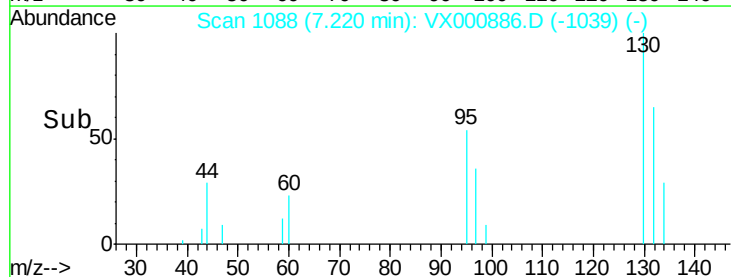
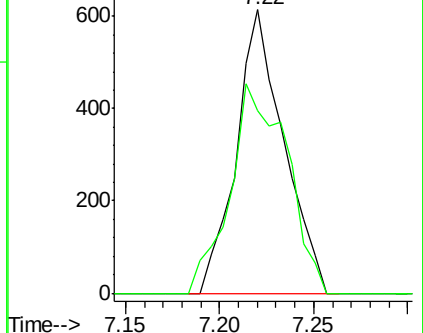
130 100

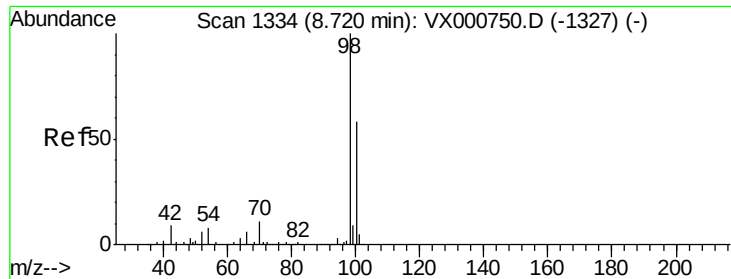
95 64.7 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

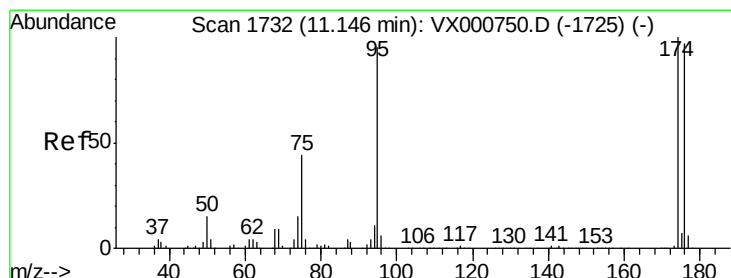
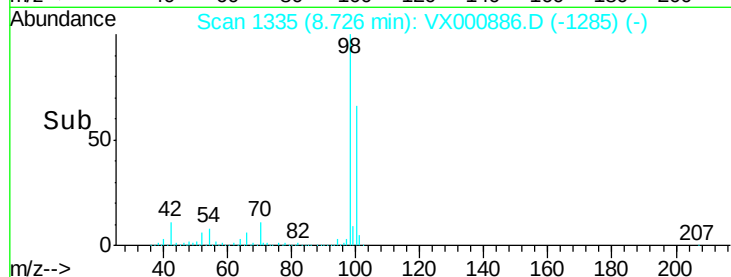
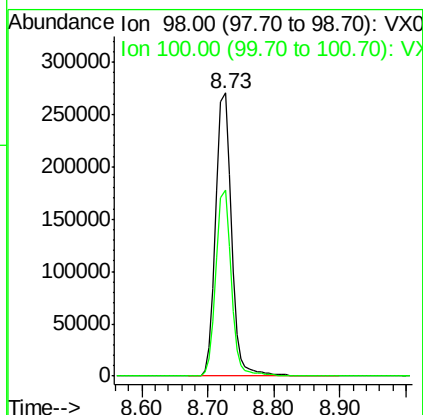
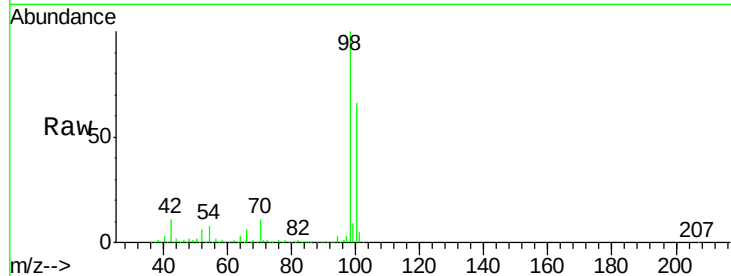




#50
Toluene-d8
Concen: 48.77 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000886.D
Acq: 14 Apr 2018 20:10

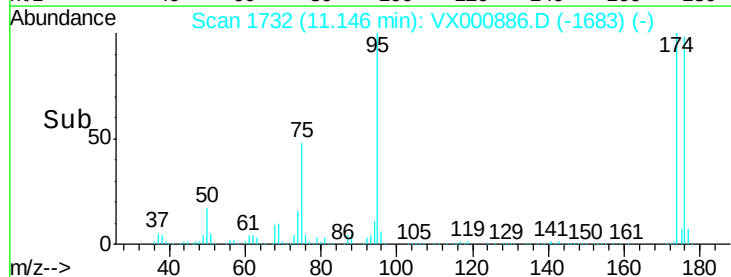
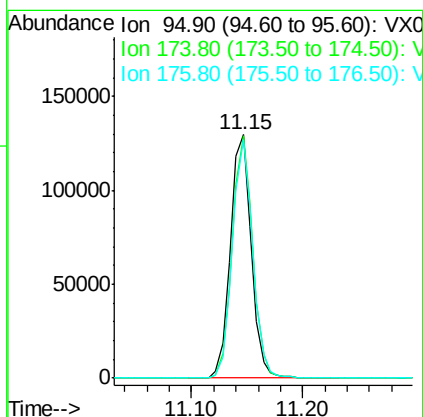
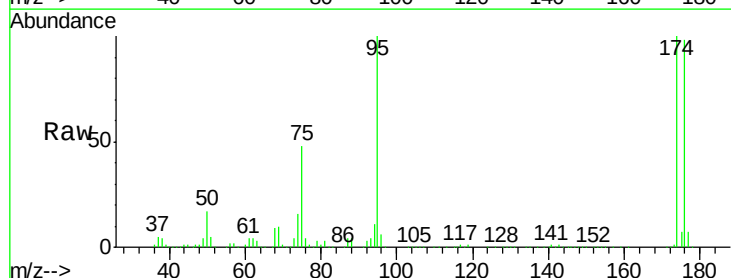
Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-180410

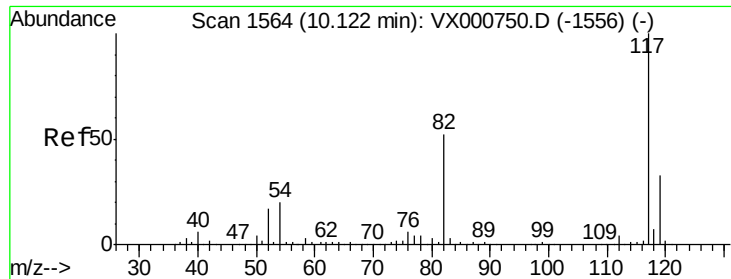
Tgt Ion: 98 Resp: 446455
Ion Ratio Lower Upper
98 100
100 64.3 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 44.25 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000886.D
Acq: 14 Apr 2018 20:10

Tgt Ion: 95 Resp: 167601
Ion Ratio Lower Upper
95 100
174 97.9 0.0 198.4
176 96.0 0.0 194.4

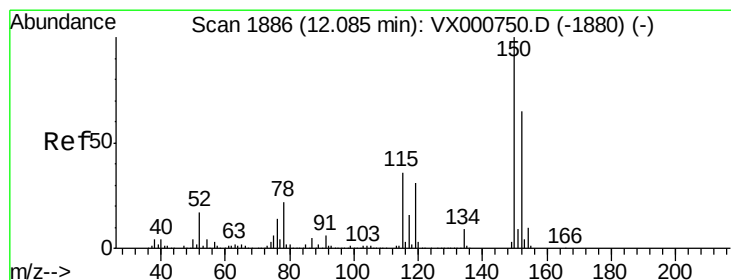
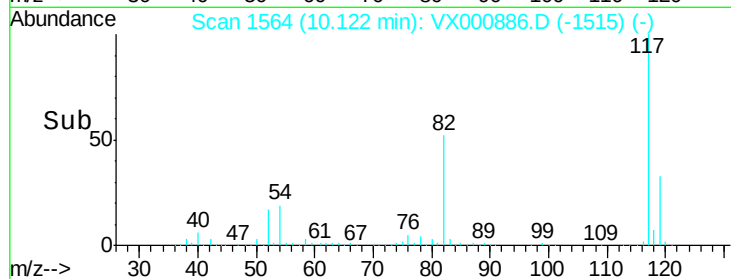
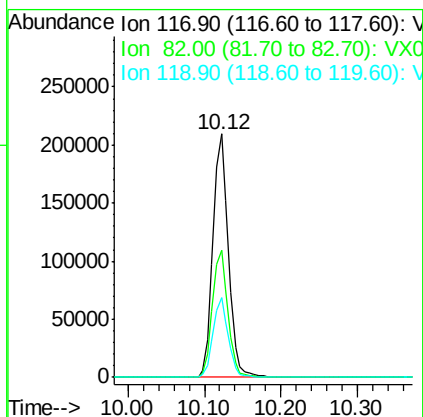
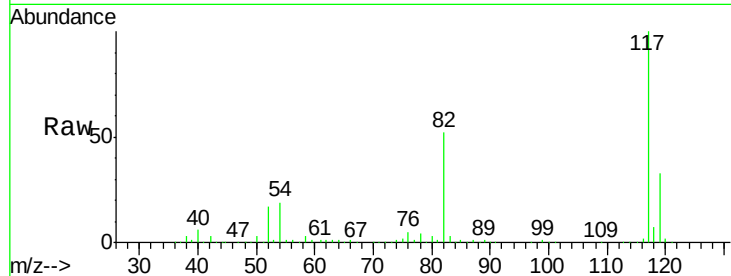




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000886.D
Acq: 14 Apr 2018 20:10

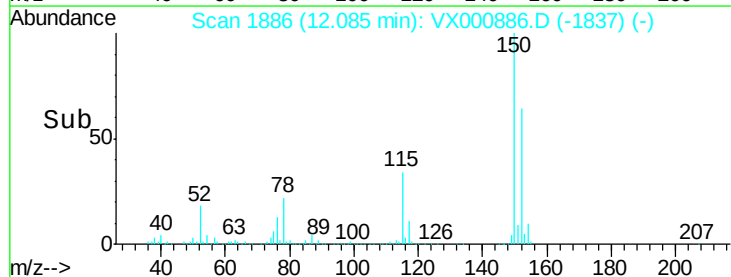
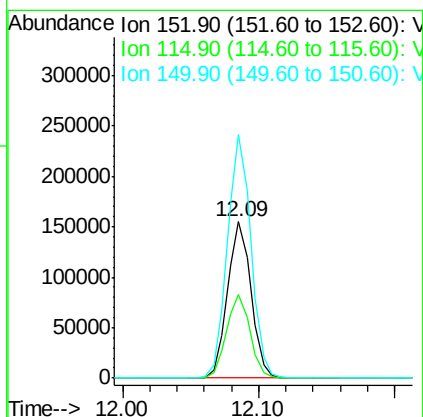
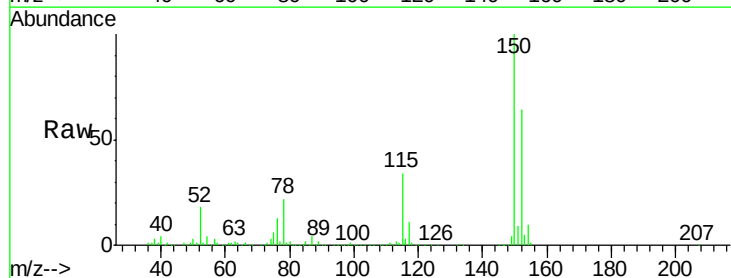
Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-180410

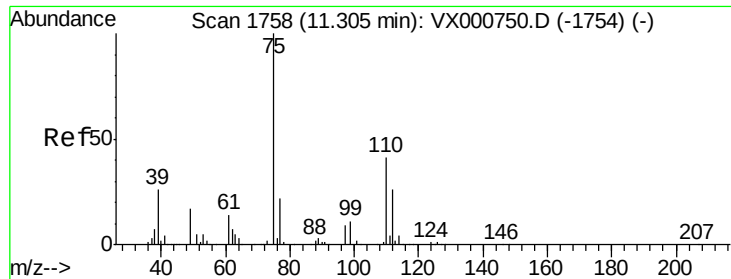
Tgt Ion:117 Resp: 293959
Ion Ratio Lower Upper
117 100
82 52.0 41.9 62.9
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000886.D
Acq: 14 Apr 2018 20:10

Tgt Ion:152 Resp: 186001
Ion Ratio Lower Upper
152 100
115 53.1 37.9 113.7
150 155.9 0.0 348.0

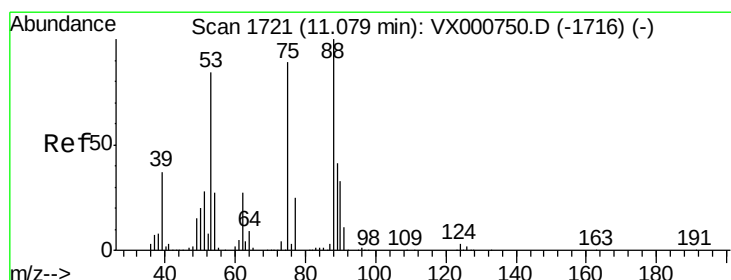
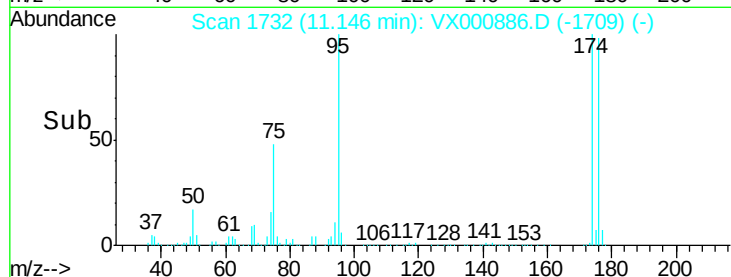
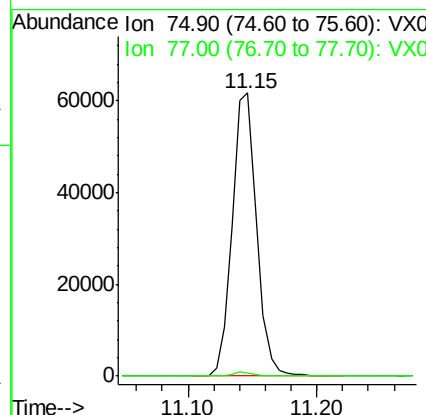
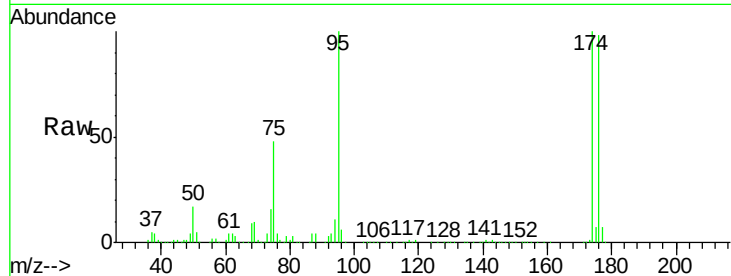




#76
 1,2,3-Trichloropropane
 Concen: 25.71 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000886.D
 Acq: 14 Apr 2018 20:10

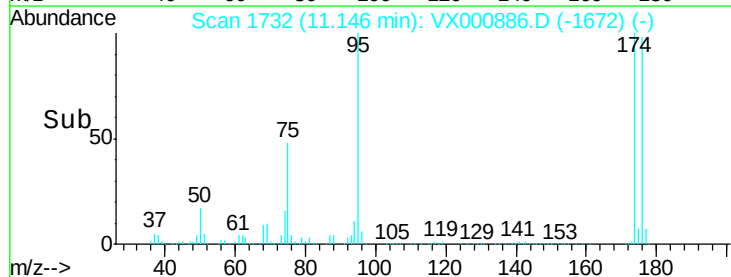
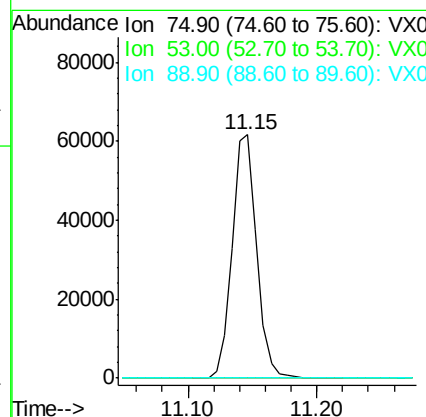
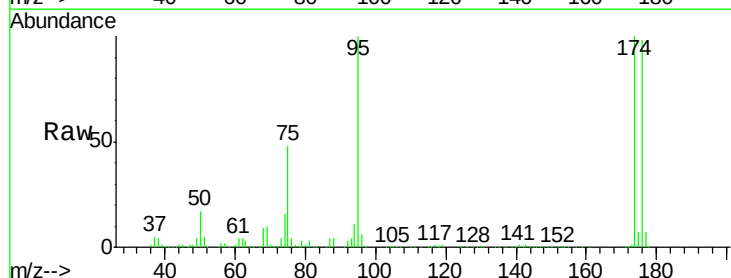
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-180410

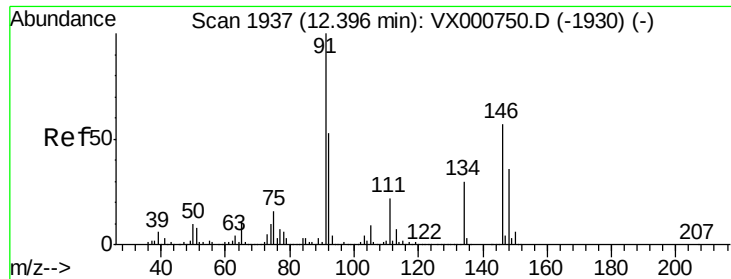
Tgt Ion: 75 Resp: 82475
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.73 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.07 min
 Lab File: VX000886.D
 Acq: 14 Apr 2018 20:10

Tgt Ion: 75 Resp: 82475
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#





#91
 1,2-Dichlorobenzene
 Concen: 0.36 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX000886.D
 Acq: 14 Apr 2018 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-180410

Tgt Ion:146 Resp: 2230
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.9 56.7
 148 64.3 32.0 96.2

