

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000961.D
 Acq On : 17 Apr 2018 10:03
 Operator : JC/MD
 Sample : J2349-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012RW163-180411

Quant Time: Apr 17 13:23:29 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

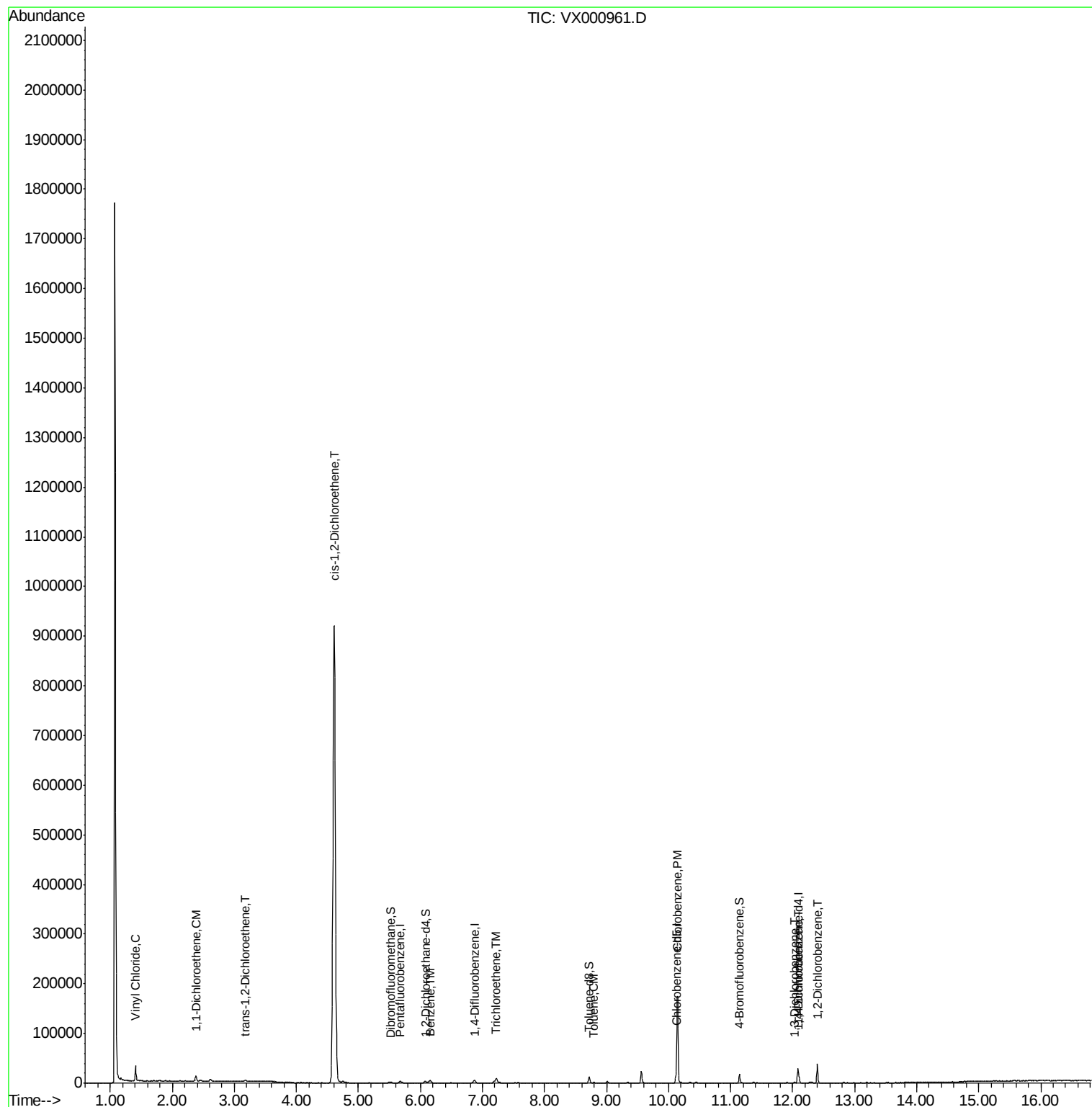
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	3233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	5652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	7262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	5762	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	2868	70.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	140.72%	
35) Dibromofluoromethane	5.52	113	1632	37.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.96%	
50) Toluene-d8	8.72	98	7706	47.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.06%	
62) 4-Bromofluorobenzene	11.14	95	4621	68.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	137.78%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.41	62	20783	590.50	ug/l	95
12) 1,1-Dichloroethene	2.39	96	3745	126.21	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	1064	32.52	ug/l #	75
27) cis-1,2-Dichloroethene	4.61	96	596894	16074.17	ug/l	90
40) Benzene	6.15	78	5758	33.29	ug/l	98
44) Trichloroethene	7.22	130	3528	65.59	ug/l	98
52) Toluene	8.79	92	424	3.70	ug/l	84
65) Chlorobenzene	10.15	112	80782	442.21	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	907	4.57	ug/l	90
88) 1,4-Dichlorobenzene	12.10	146	4151	20.43	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	12202	63.75	ug/l	99

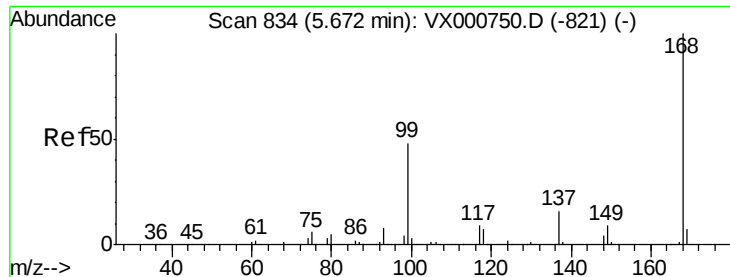
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
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: VX000961.D

Acq: 17 Apr 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

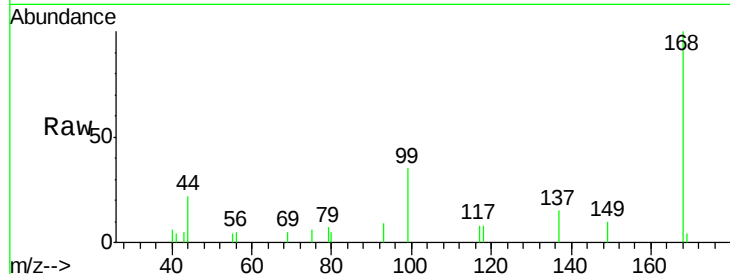
LF012RW163-180411

Tot Ion:168 Resp: 3233

Ion Ratio Lower Upper

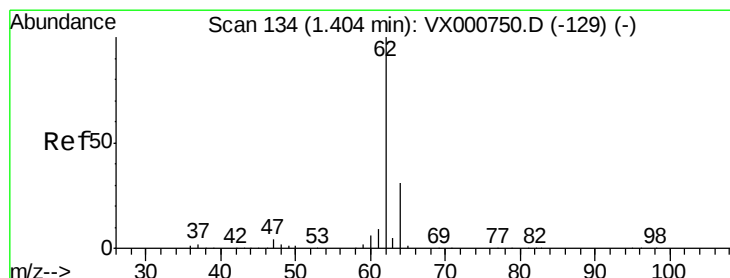
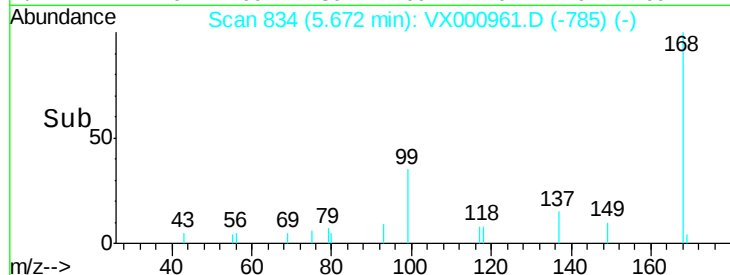
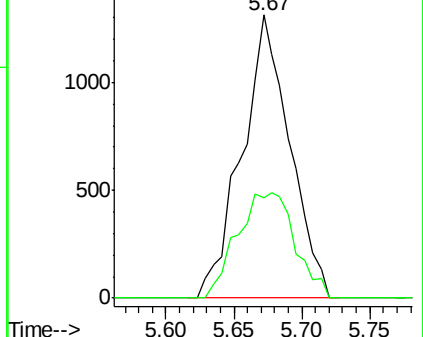
168 100

99 35.3 38.3 57.5#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 590.50 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000961.D

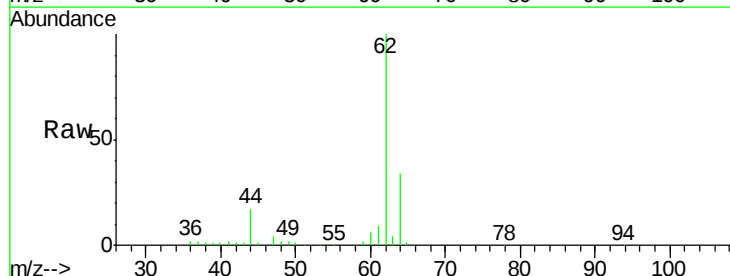
Acq: 17 Apr 2018 10:03

Tgt Ion: 62 Resp: 20783

Ion Ratio Lower Upper

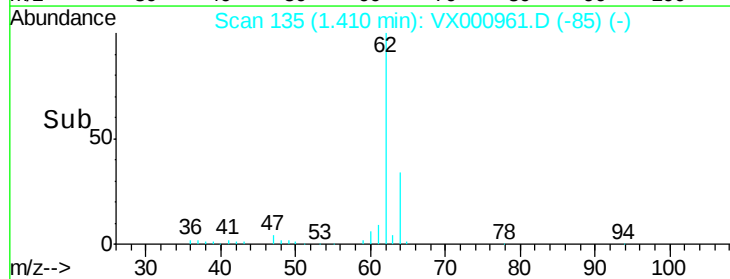
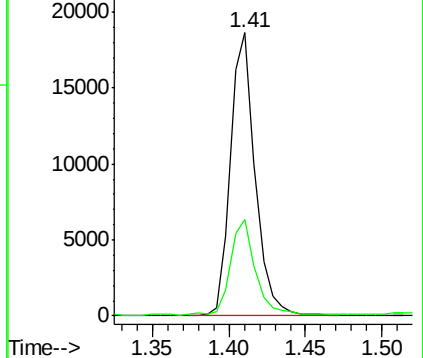
62 100

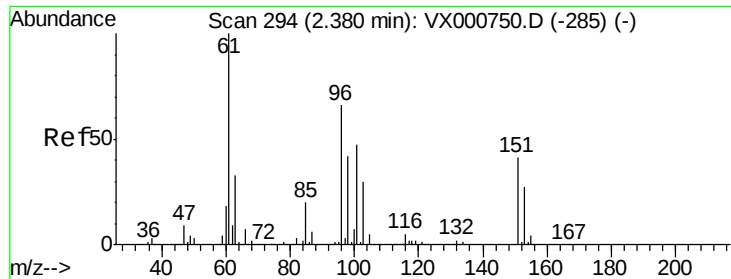
64 33.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#12

1,1-Dichloroethene

Concen: 126.21 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX000961.D

Acq: 17 Apr 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

LF012RW163-180411

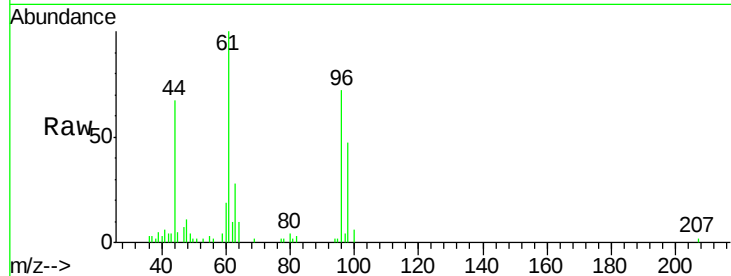
Tot Ion: 96 Resp: 3745

Ion Ratio Lower Upper

96 100

61 138.7 120.5 180.7

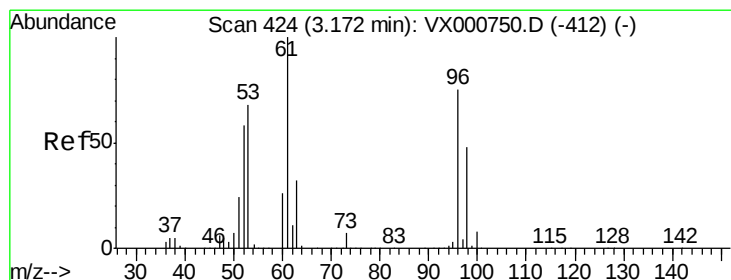
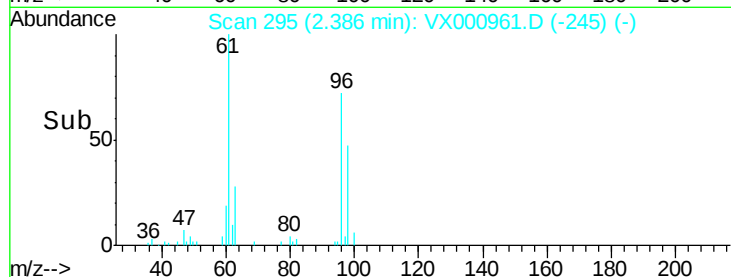
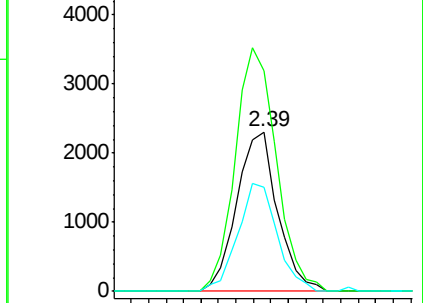
98 65.1 50.9 76.3



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



#21

trans-1,2-Dichloroethene

Concen: 32.52 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000961.D

Acq: 17 Apr 2018 10:03

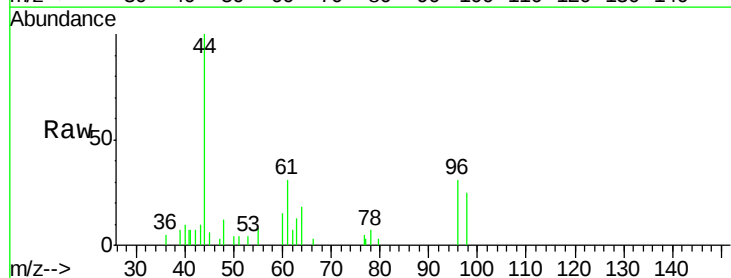
Tgt Ion: 96 Resp: 1064

Ion Ratio Lower Upper

96 100

61 101.3 106.2 159.2#

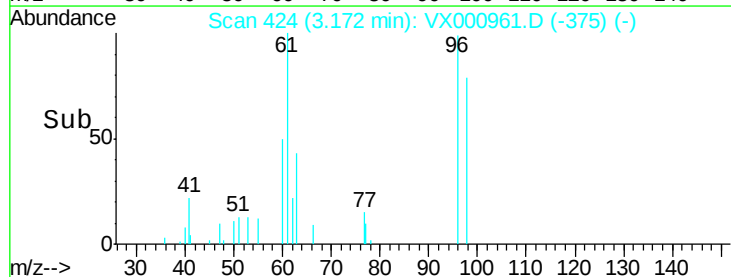
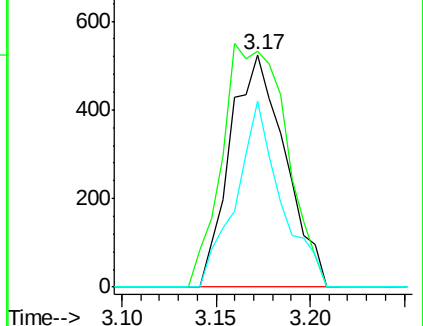
98 80.3 51.2 76.8#

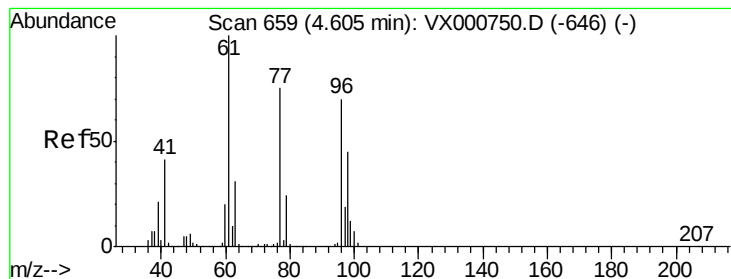


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



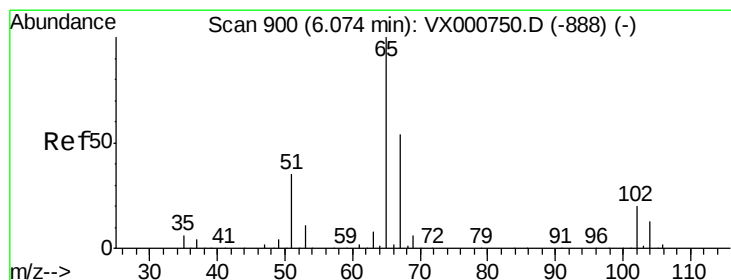
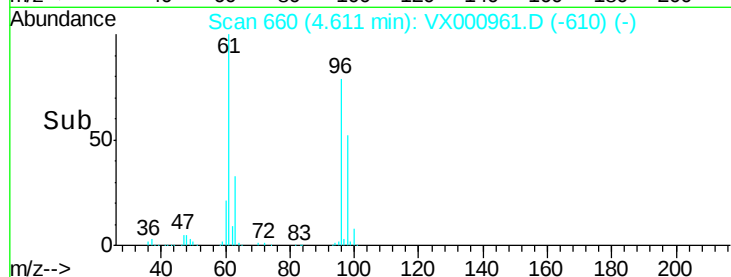
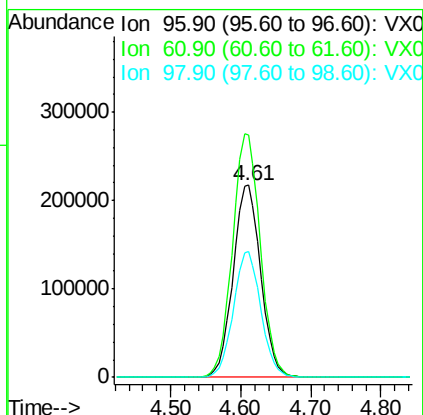
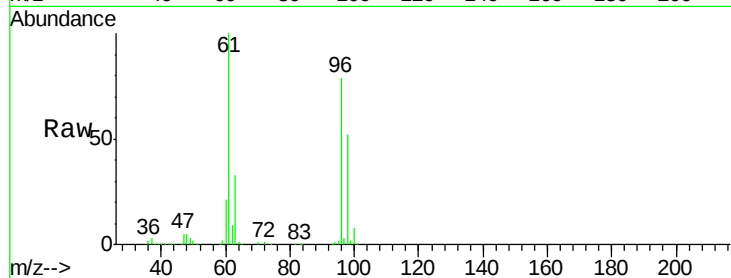


#27

cis-1,2-Dichloroethene
 Concen: 16074.17 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX000961.D
 Acq: 17 Apr 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012RW163-180411

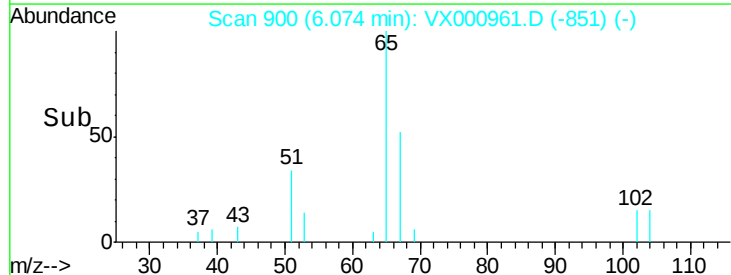
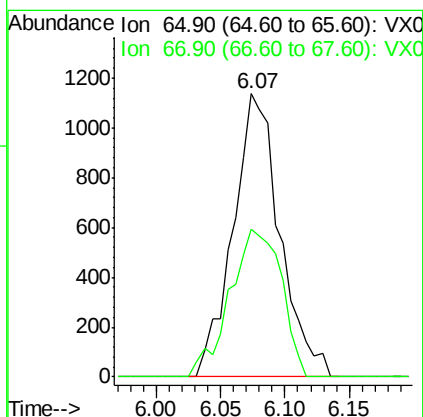
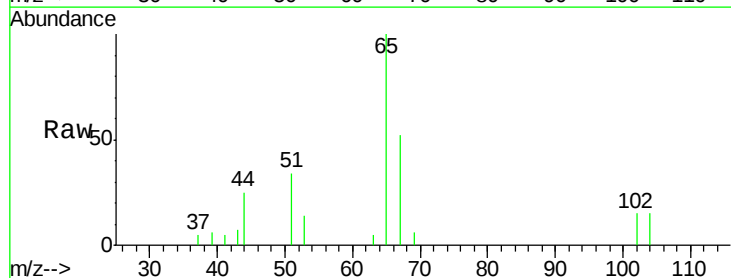
Tot Ion	96	Resp	596894
Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	292.4
98	64.9	0.0	130.2

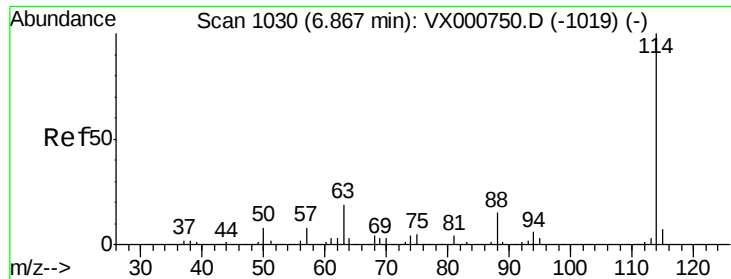


#33

1,2-Dichloroethane-d4
 Concen: 70.36 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX000961.D
 Acq: 17 Apr 2018 10:03

Tgt Ion	65	Resp	2868
Ion	Ratio	Lower	Upper
65	100		
67	57.4	0.0	103.8

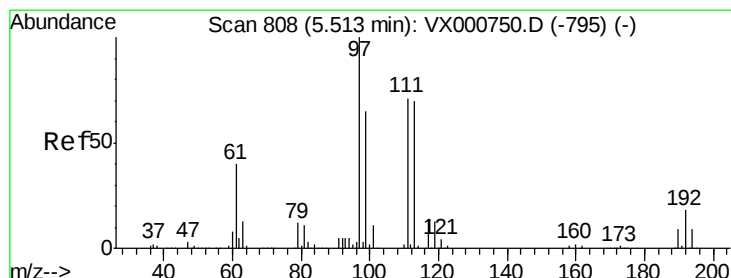
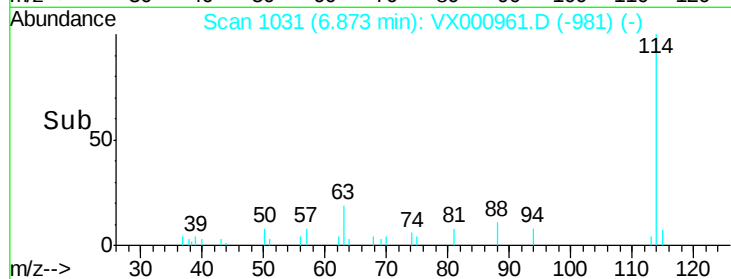
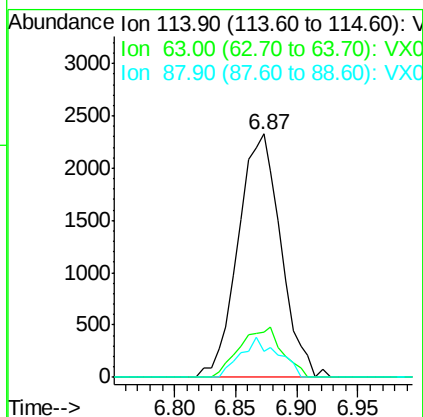
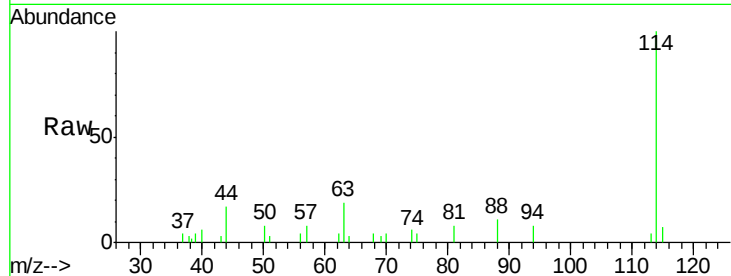




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000961.D
 Acq: 17 Apr 2018 10:03

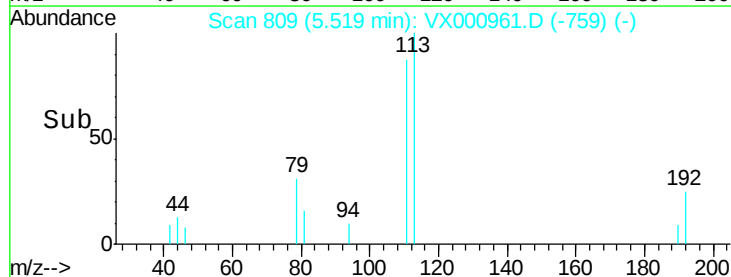
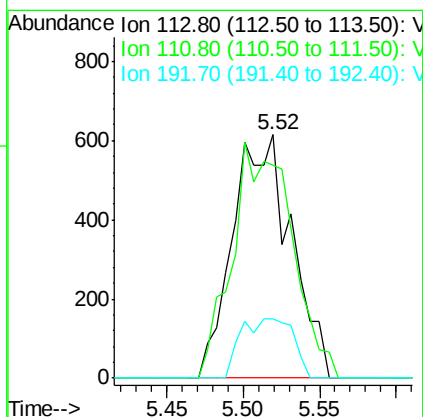
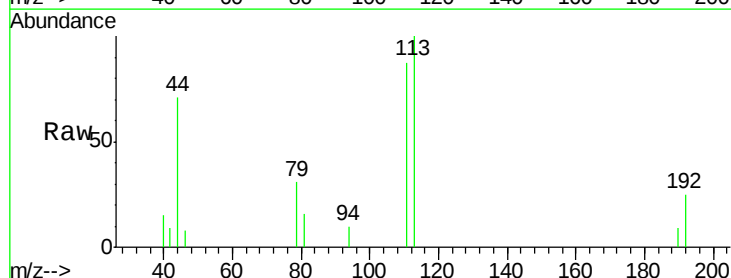
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012RW163-180411

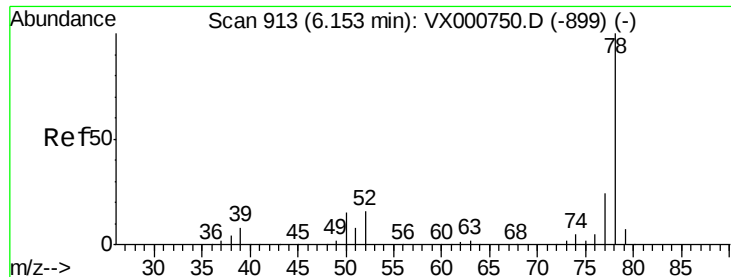
Tot Ion:114 Resp: 5652
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.4
 88 10.9 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 37.48 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000961.D
 Acq: 17 Apr 2018 10:03

Tgt Ion:113 Resp: 1632
 Ion Ratio Lower Upper
 113 100
 111 98.9 81.5 122.3
 192 22.0 20.4 30.6





#40

Benzene

Concen: 33.29 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX000961.D

Acq: 17 Apr 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

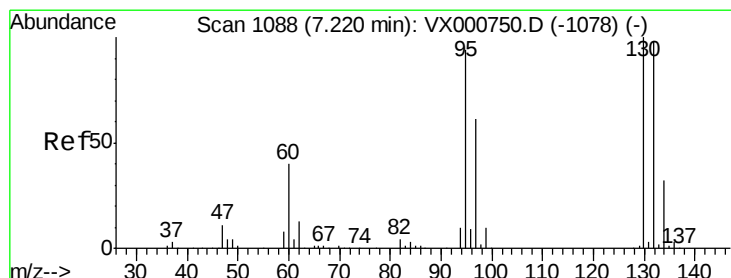
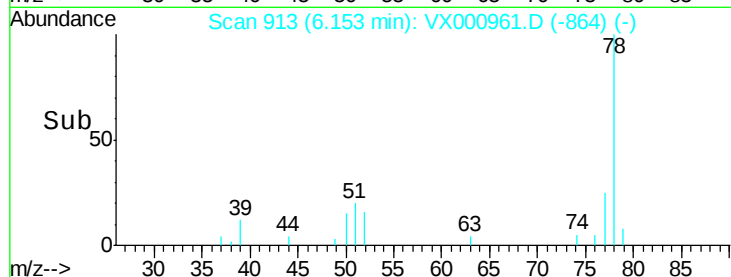
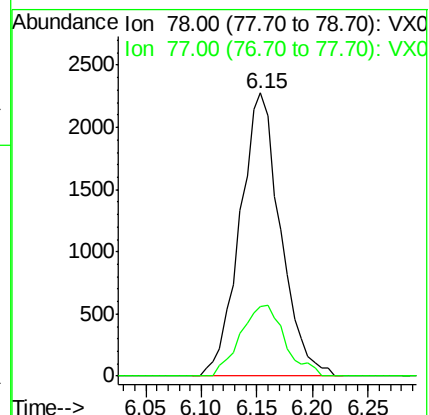
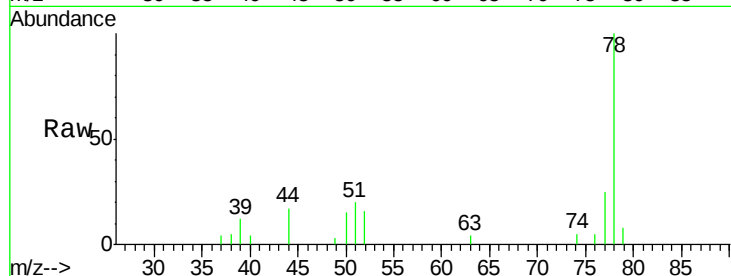
LF012RW163-180411

Tot Ion: 78 Resp: 5758

Ion Ratio Lower Upper

78 100

77 24.6 19.0 28.6



#44

Trichloroethene

Concen: 65.59 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX000961.D

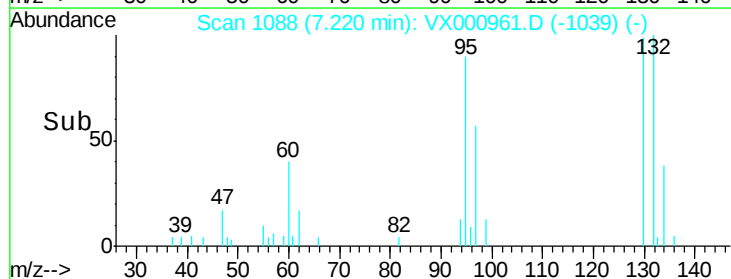
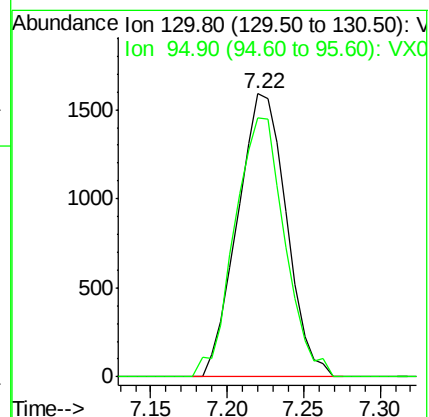
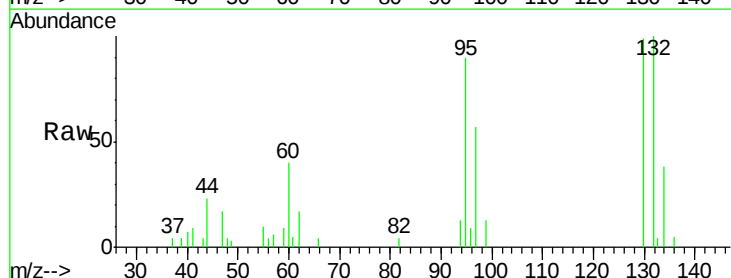
Acq: 17 Apr 2018 10:03

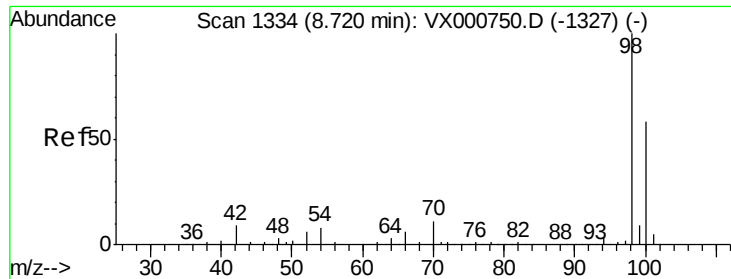
Tgt Ion: 130 Resp: 3528

Ion Ratio Lower Upper

130 100

95 91.4 0.0 187.0





#50

Toluene-d8

Concen: 47.53 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000961.D

Acq: 17 Apr 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

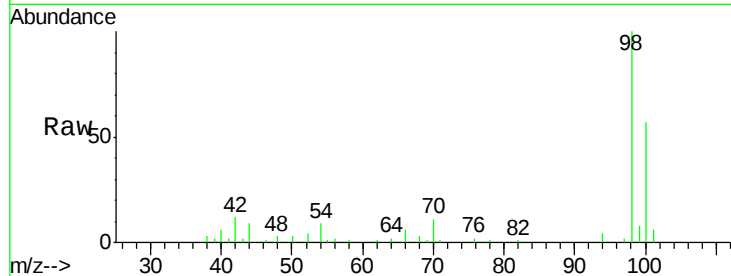
LF012RW163-180411

Tot Ion: 98 Resp: 7706

Ion Ratio Lower Upper

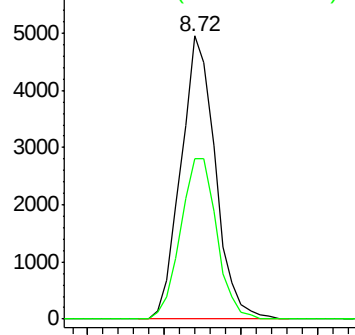
98 100

100 59.7 52.6 79.0

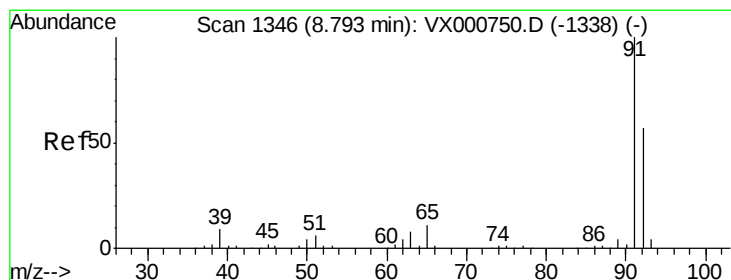
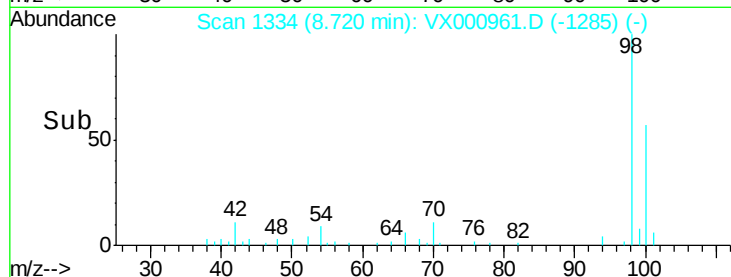


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



Time-->



#52

Toluene

Concen: 3.70 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000961.D

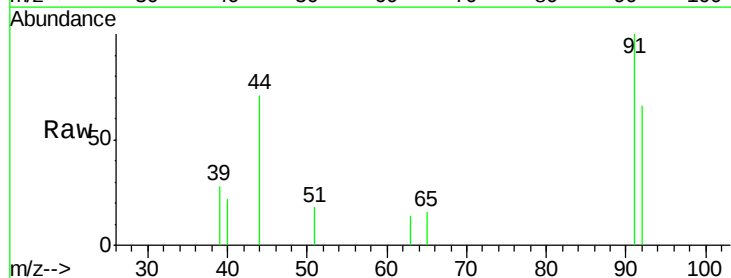
Acq: 17 Apr 2018 10:03

Tgt Ion: 92 Resp: 424

Ion Ratio Lower Upper

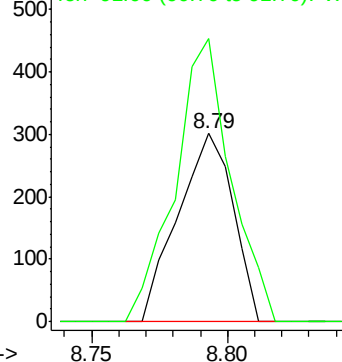
92 100

91 151.9 139.0 208.4

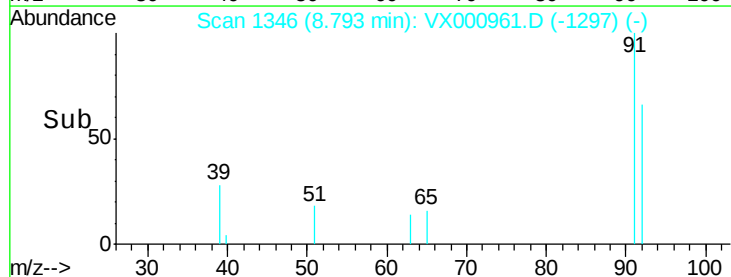


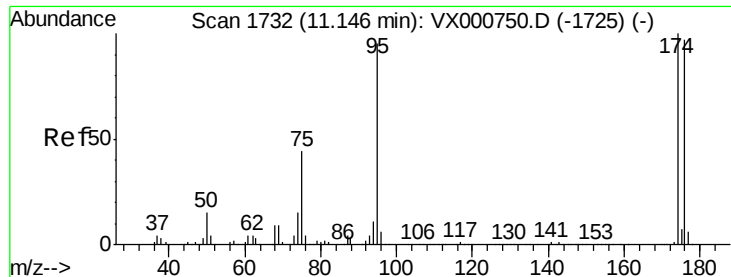
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





#62

4-Bromofluorobenzene

Concen: 68.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000961.D

Acq: 17 Apr 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

LF012RW163-180411

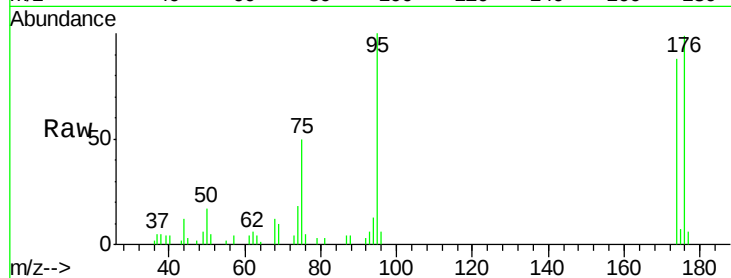
Tot Ion: 95 Resp: 4621

Ion Ratio Lower Upper

95 100

174 90.7 0.0 198.4

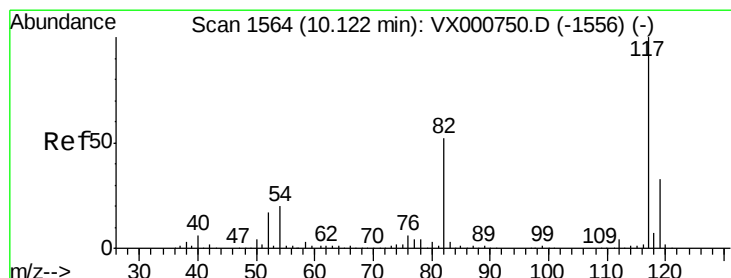
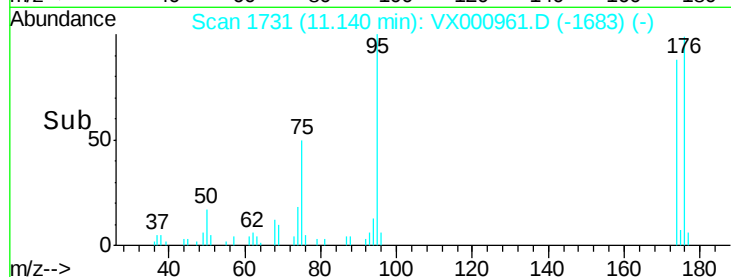
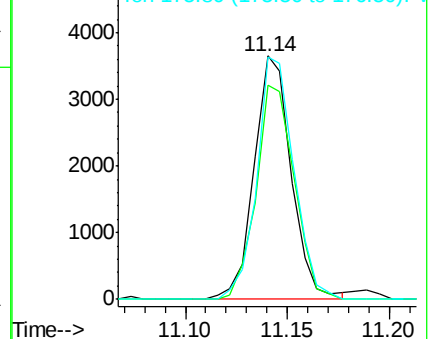
176 99.3 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX000750.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000750.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000750.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX000961.D

Acq: 17 Apr 2018 10:03

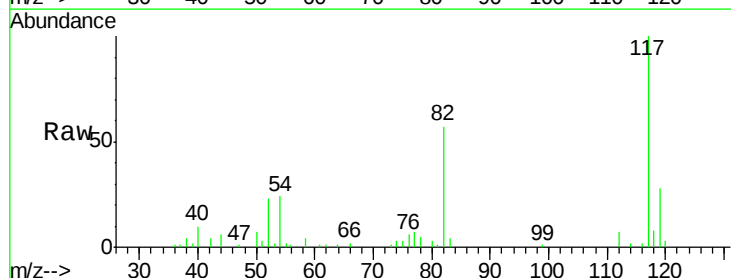
Tgt Ion: 117 Resp: 7262

Ion Ratio Lower Upper

117 100

82 56.9 41.9 62.9

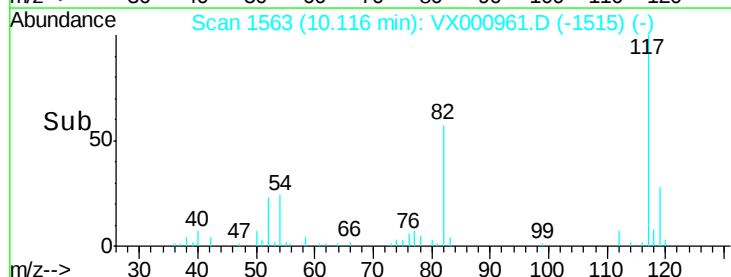
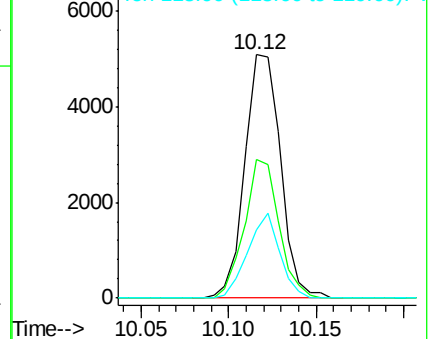
119 27.9 26.0 39.0

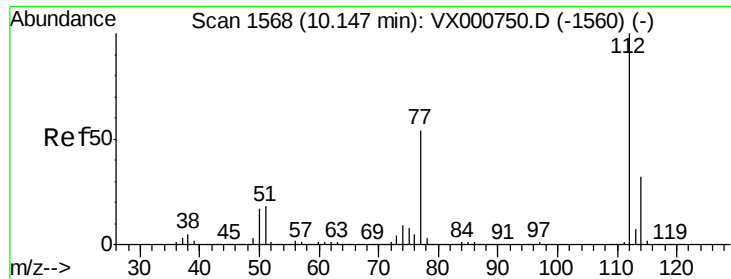


Abundance Ion 116.90 (116.60 to 117.60): VX000750.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX000750.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX000750.D (-1556) (-)





#65

Chlorobenzene

Concen: 442.21 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000961.D

Acq: 17 Apr 2018 10:03

Instrument :

MSVOA_X

ClientSampleId :

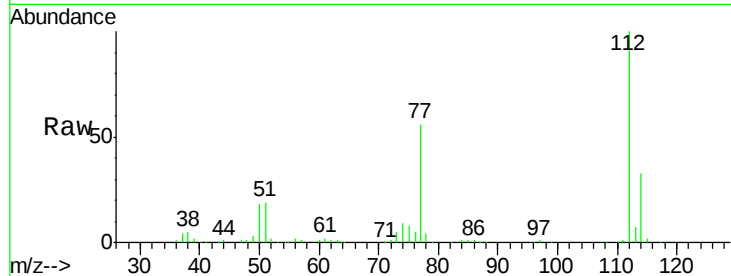
LF012RW163-180411

Tot Ion:112 Resp: 80782

Ion Ratio Lower Upper

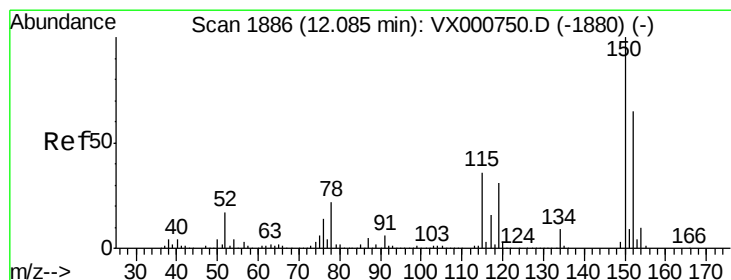
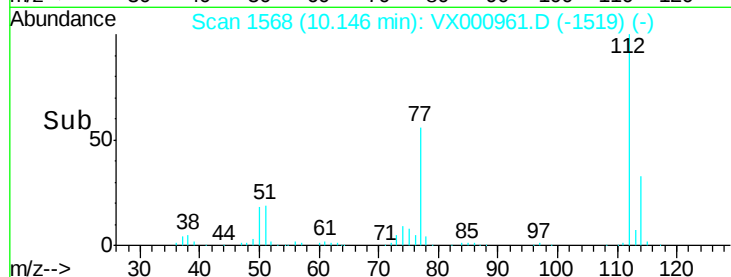
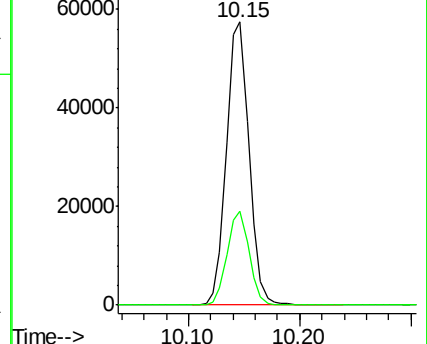
112 100

114 33.0 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: VX000961.D

Acq: 17 Apr 2018 10:03

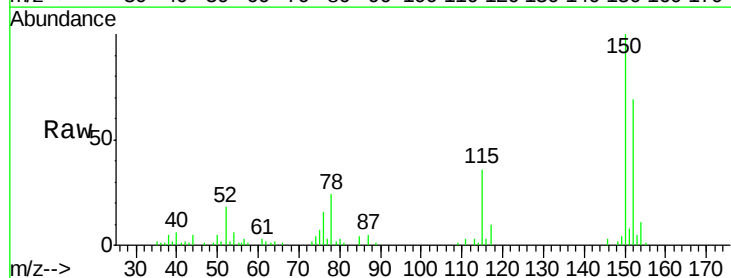
Tgt Ion:152 Resp: 5762

Ion Ratio Lower Upper

152 100

115 56.5 37.9 113.7

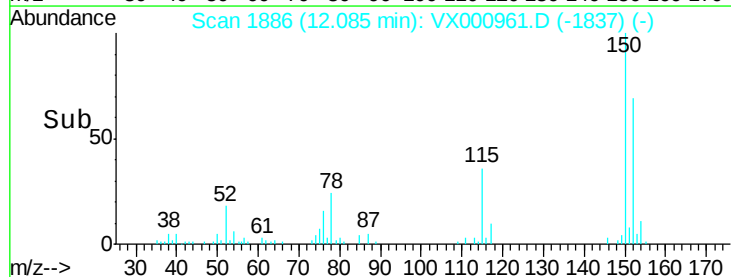
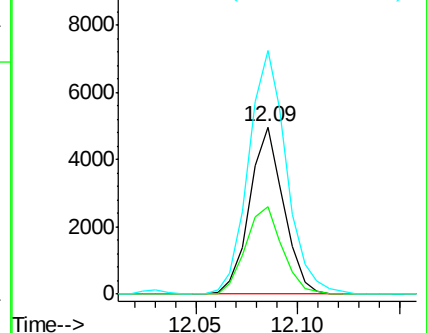
150 162.8 0.0 348.0

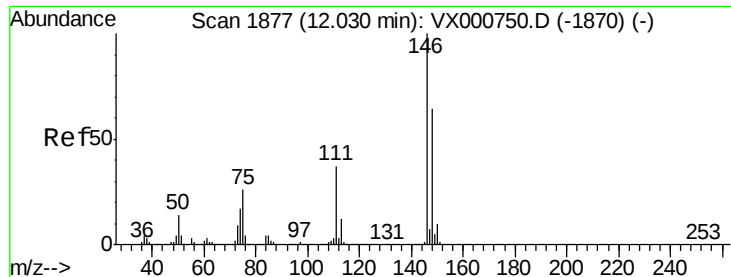


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

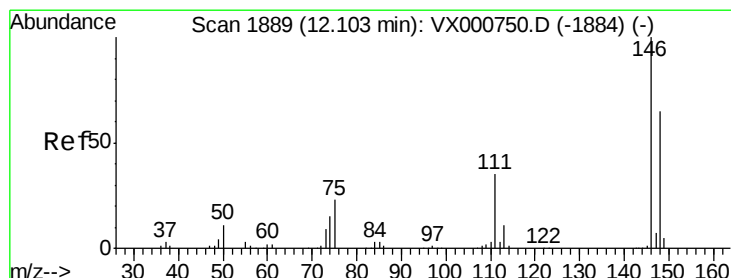
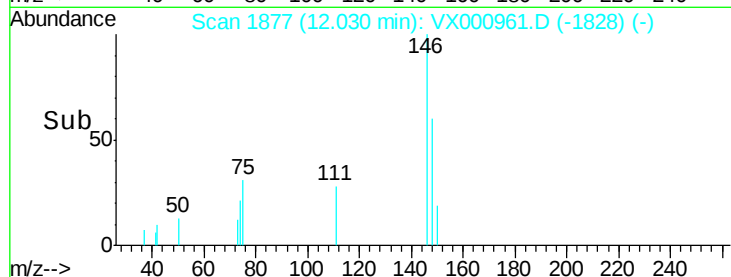
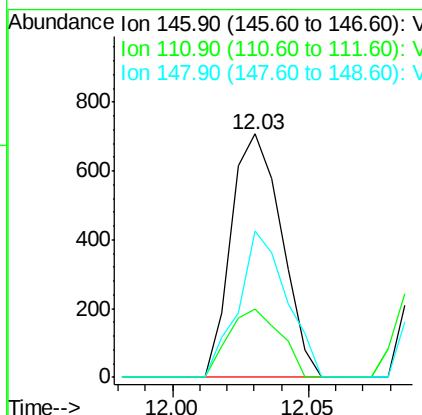
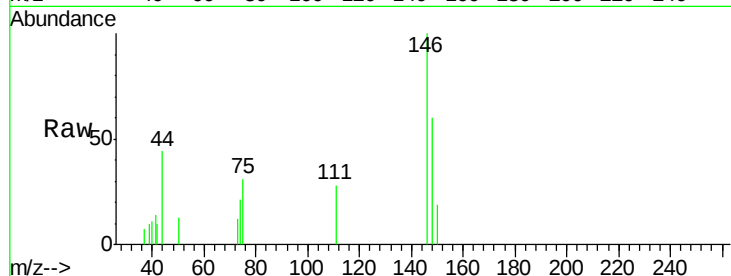




#87
 1,3-Dichlorobenzene
 Concen: 4.57 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX000961.D
 Acq: 17 Apr 2018 10:03

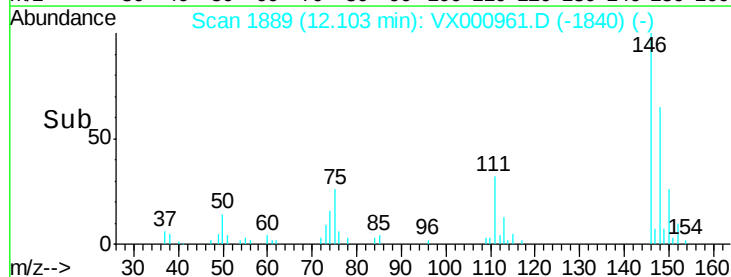
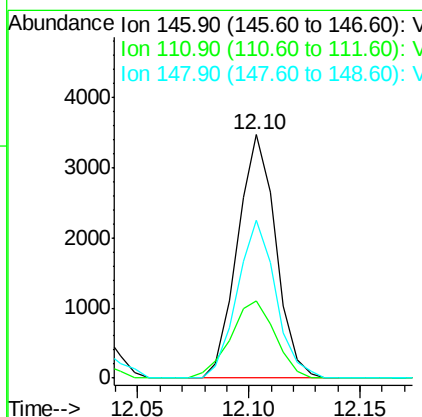
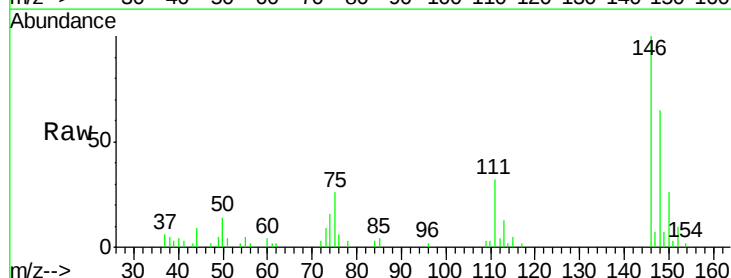
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012RW163-180411

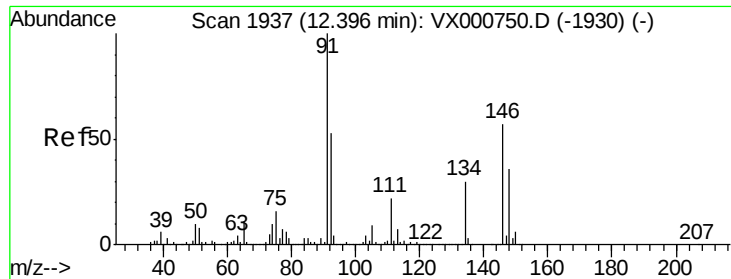
Tot Ion:146 Resp: 907
 Ion Ratio Lower Upper
 146 100
 111 28.9 18.3 54.8
 148 57.8 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.43 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX000961.D
 Acq: 17 Apr 2018 10:03

Tgt Ion:146 Resp: 4151
 Ion Ratio Lower Upper
 146 100
 111 37.0 17.9 53.8
 148 65.2 32.6 97.7





#91
 1,2-Dichlorobenzene
 Concen: 63.75 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000961.D
 Acq: 17 Apr 2018 10:03

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012RW163-180411

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	63.4	32.0	96.2

