

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122218\
 Data File : VW007768.D
 Acq On : 21 Dec 2018 00:28
 Operator : SY/AP
 Sample : J6392-08RE
 Misc : 6.73G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(25-27)RE

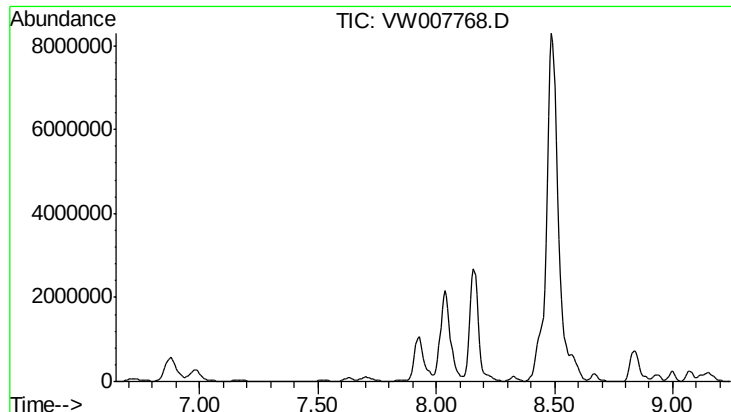
Quant Time: Dec 21 03:58:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-7.95
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-8.84
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-11.63
72) 1,4-Dichlorobenzene-d4	13.58	152	1314	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	8779	0.00	ug/l	-0.15
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	10.32	98	44665	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	12.61	95	31978	0.00	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
73) Isopropylbenzene	12.47	105	1537807	15482.772	ug/l	99
74) N-amyl acetate	12.26	43	140085	8142.429	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.71	83	8154	547.542	ug/l #	1
76) 1,2,3-Trichloropropane	12.81	75	24995	2461.109	ug/l #	100
77) Bromobenzene	12.71	156	376	16.518	ug/l #	1
78) n-propylbenzene	12.81	91	3720392	32177.971	ug/l	99
79) 2-Chlorotoluene	12.95	91	371816	5520.345	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.95	105	3414835	39858.530	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.47	75	18873	3900.732	ug/l #	58
82) 4-Chlorotoluene	12.95	91	371816	5184.568	ug/l #	42
83) tert-Butylbenzene	13.21	119	12940	172.138	ug/l #	25
84) 1,2,4-Trimethylbenzene	13.26	105	550168	6364.023	ug/l	99
85) sec-Butylbenzene	13.39	105	351377	3391.639	ug/l #	48
86) p-Isopropyltoluene	13.51	119	168167	1785.102	ug/l	99
89) n-Butylbenzene	13.80	91	580946	6725.857	ug/l #	1
90) Hexachloroethane	14.10	117	163719	9899.053	ug/l #	13
91) 1,2-Dichlorobenzene	13.91	146	163	4.028	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2080	680.121	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.16	180	186	6.622	ug/l #	12
95) Naphthalene	15.37	128	32379	623.504	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.59	180	208	8.651	ug/l #	22

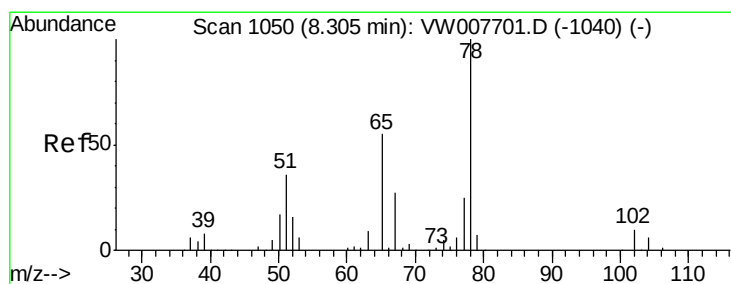
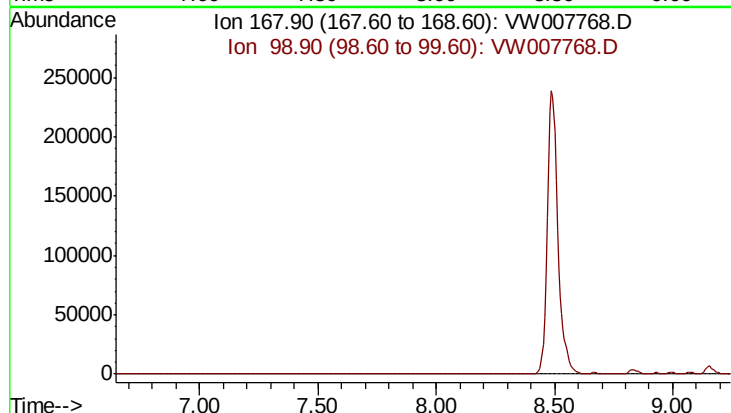
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Pentafluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 7.95 min
 Lab File: VW007768.D
 Acq: 21 Dec 2018 00:28

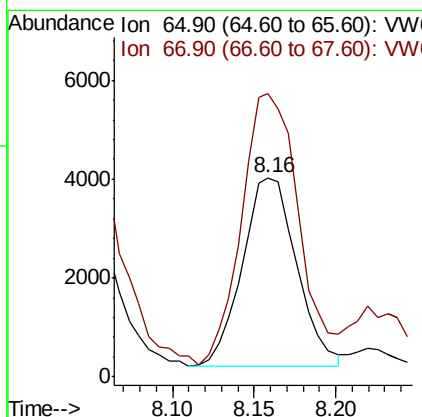
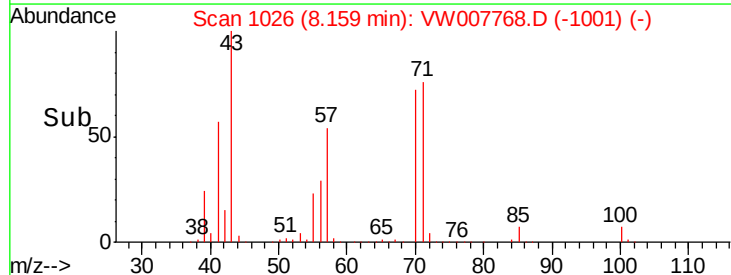
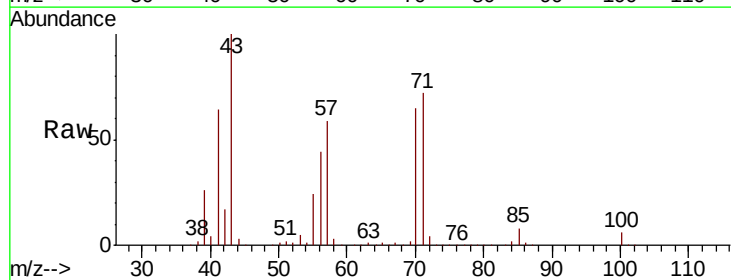
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 KY001SB103-121118-(25-27)RE

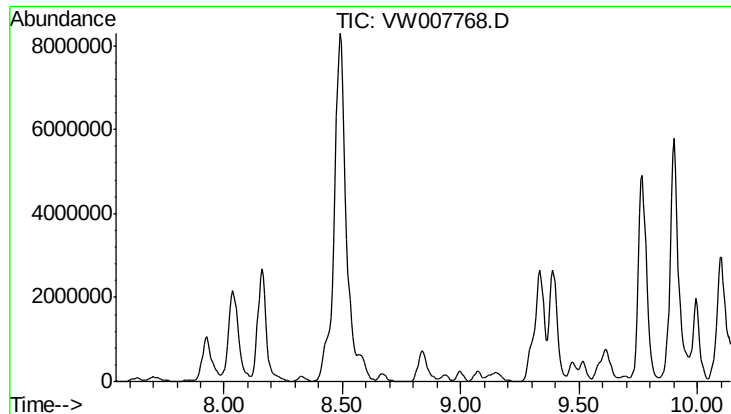
Tgt Ion: 168
 Sig Exp Ratio
 168 100
 99 67.5



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 8.16 min Scan# 1026
 Delta R.T. -0.15 min
 Lab File: VW007768.D
 Acq: 21 Dec 2018 00:28

Tgt Ion: 65 Resp: 8779
 Ion Ratio Lower Upper
 65 100
 67 151.4 0.0 100.6#





#34

1,4-Difluorobenzene

Concen: 0.000 ug/l

Expected RT: 8.84 min

Lab File: VW007768.D

Acq: 21 Dec 2018 00:28

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(25-27)RE

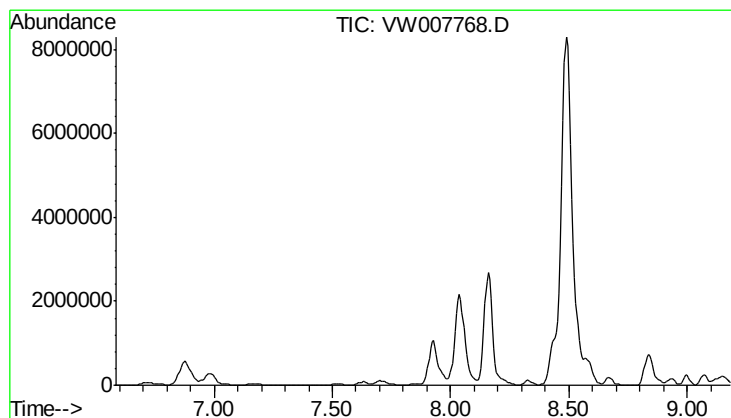
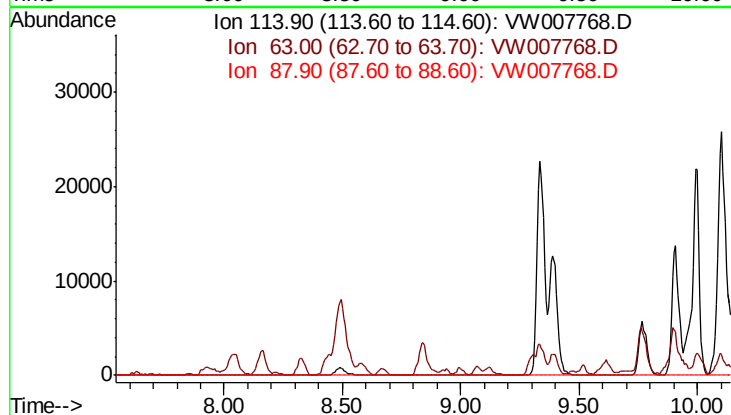
Tgt Ion: 114

Sig Exp Ratio

114 100

63 20.0

88 16.3



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.88 min

Lab File: VW007768.D

Acq: 21 Dec 2018 00:28

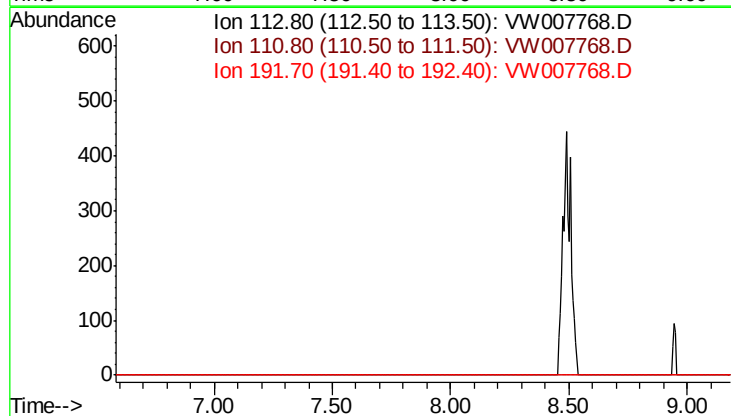
Tgt Ion: 113

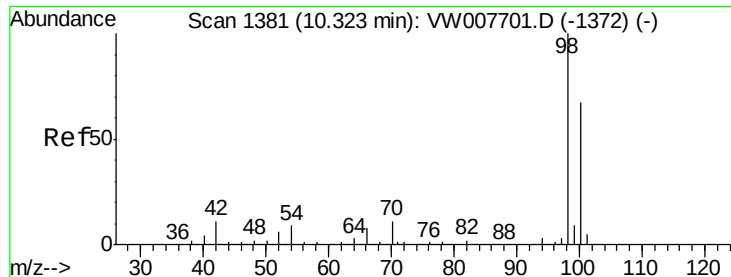
Sig Exp Ratio

113 100

111 103.3

192 19.4





#50

Toluene-d8

Concen: 0.000 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007768.D

Acq: 21 Dec 2018 00:28

Instrument :

MSVOA_W

ClientSampleId :

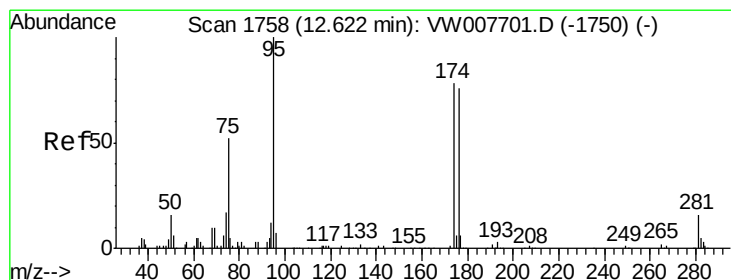
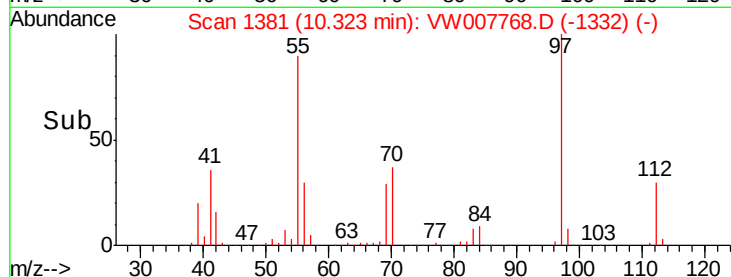
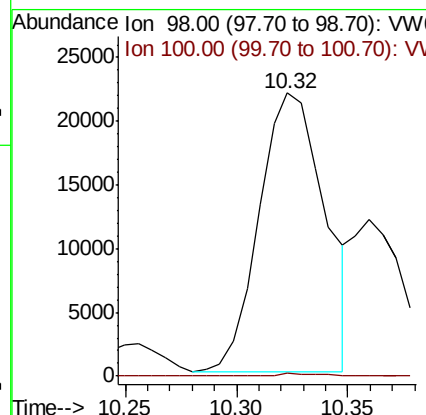
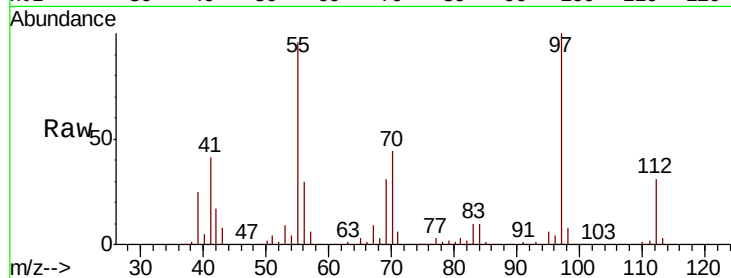
KY001SB103-121118-(25-27)RE

Tgt Ion: 98 Resp: 44665

Ion Ratio Lower Upper

98 100

100 0.7 52.2 78.2#



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

RT: 12.61 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VW007768.D

Acq: 21 Dec 2018 00:28

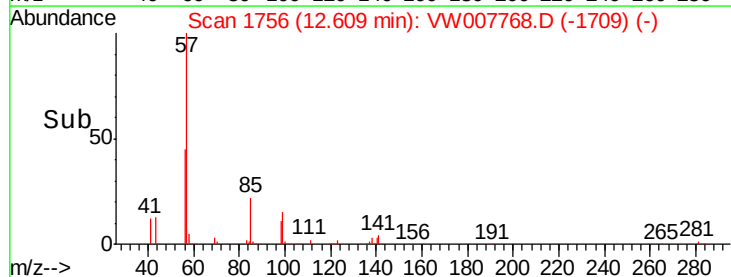
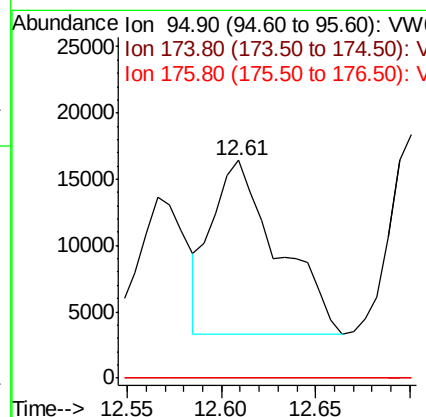
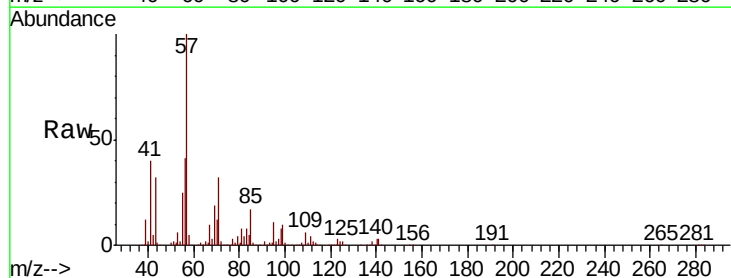
Tgt Ion: 95 Resp: 31978

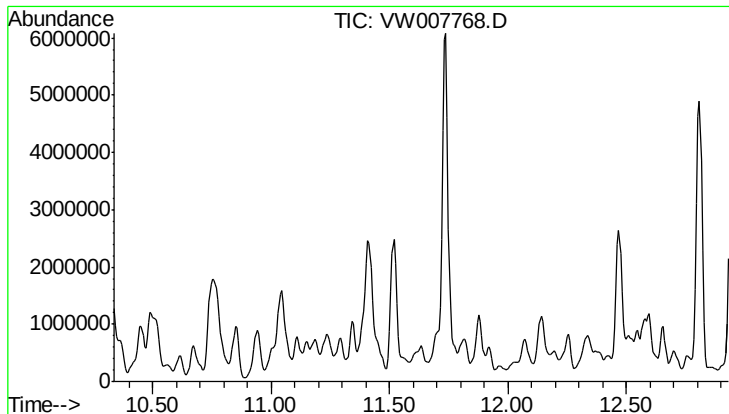
Ion Ratio Lower Upper

95 100

174 0.0 0.0 152.2

176 0.0 0.0 146.8

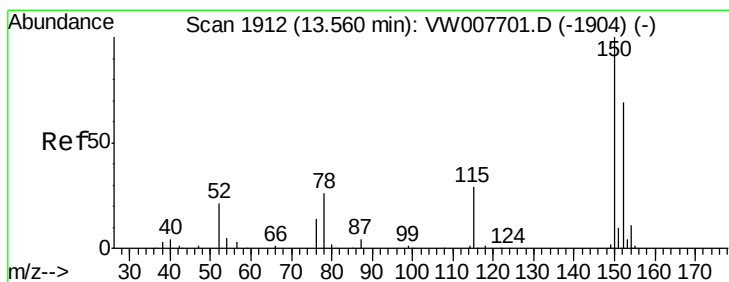
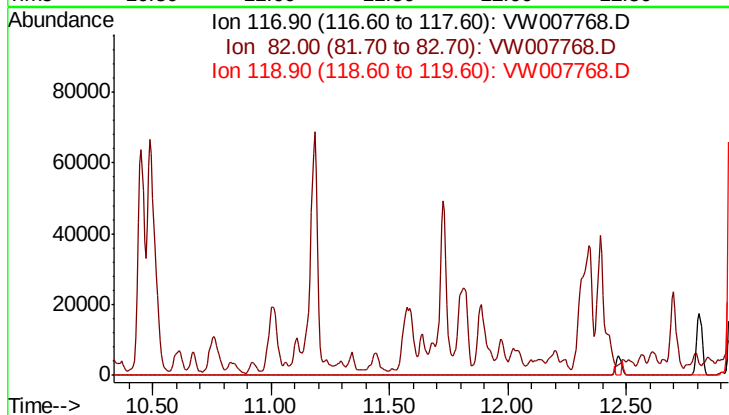




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 11.63 min
 Lab File: VW007768.D
 Acq: 21 Dec 2018 00:28

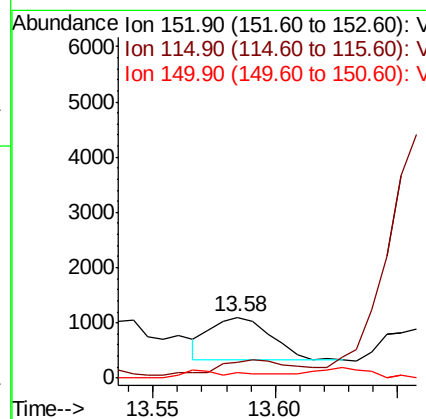
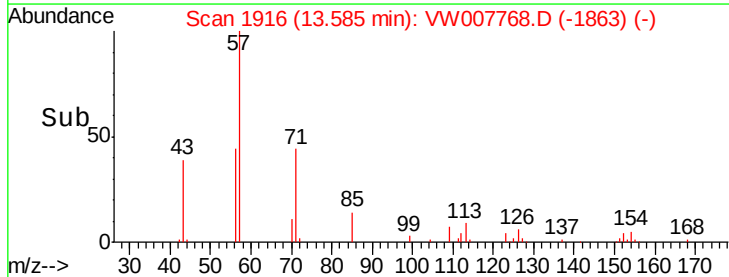
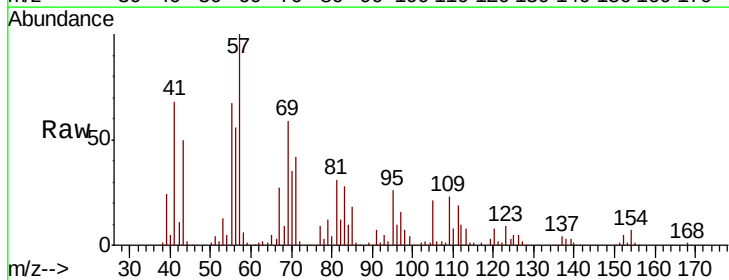
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(25-27)RE

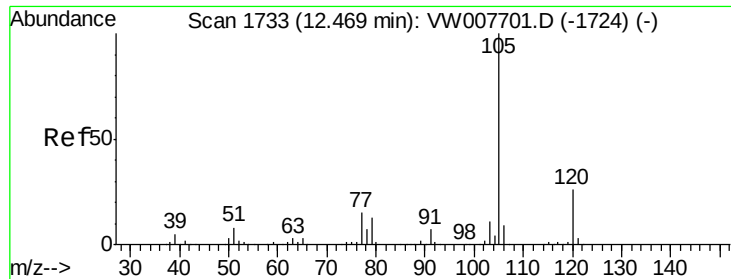
Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 55.4
 119 32.1



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.02 min
 Lab File: VW007768.D
 Acq: 21 Dec 2018 00:28

Tgt Ion: 152 Resp: 1314
 Ion Ratio Lower Upper
 152 100
 115 0.0 31.8 95.4#
 150 10.9 0.0 350.8





#73

Isopropylbenzene

Concen: 15482.772 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007768.D

Acq: 21 Dec 2018 00:28

Instrument :

MSVOA_W

ClientSampleId :

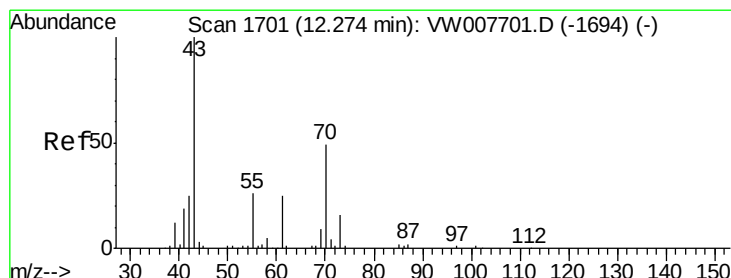
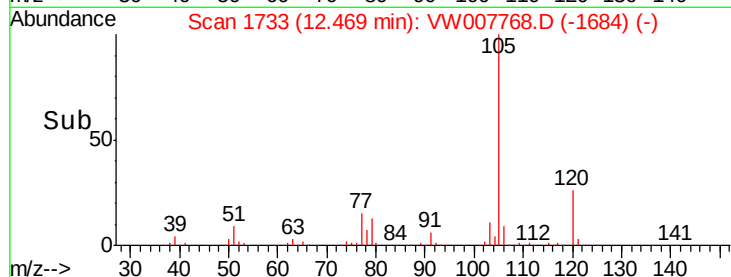
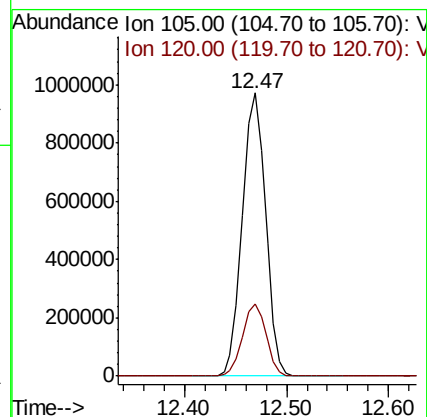
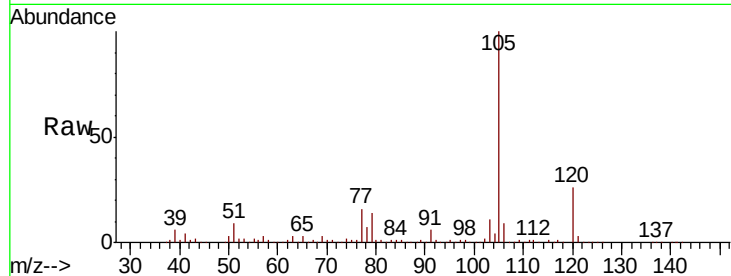
KY001SB103-121118-(25-27)RE

Tgt Ion:105 Resp: 1537807

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.3



#74

N-ethyl acetate

Concen: 8142.429 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007768.D

Acq: 21 Dec 2018 00:28

Tgt Ion: 43 Resp: 140085

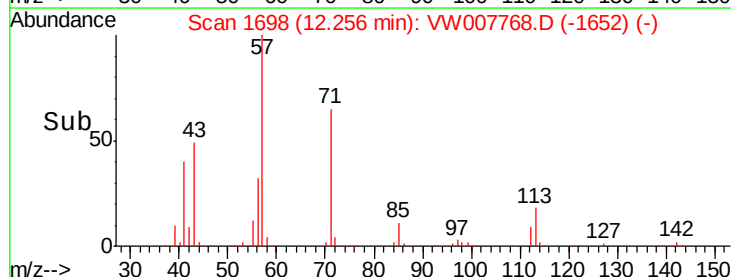
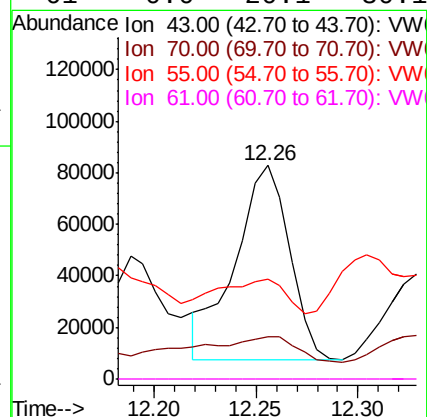
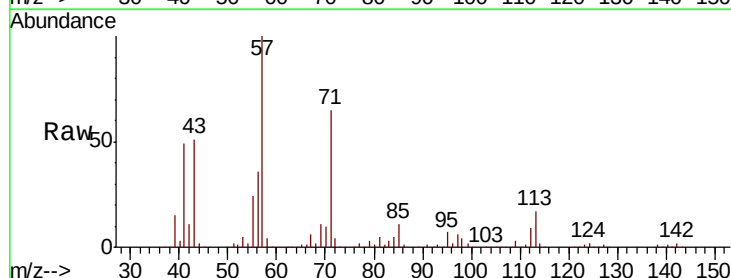
Ion Ratio Lower Upper

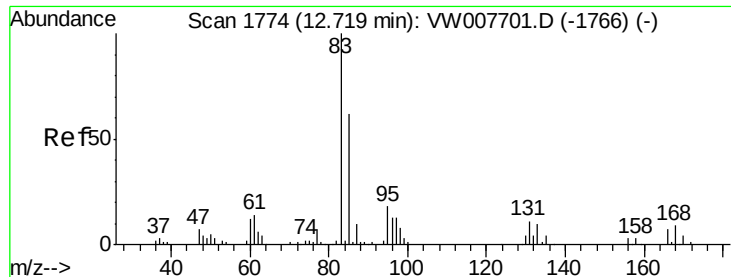
43 100

70 24.2 37.6 56.4#

55 20.6 21.7 32.5#

61 0.0 20.1 30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 547.542 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW007768.D

Acq: 21 Dec 2018 00:28

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(25-27)RE

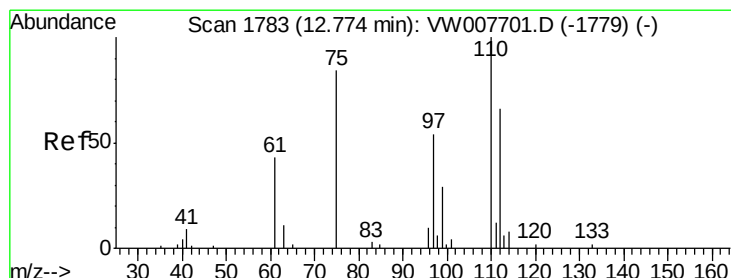
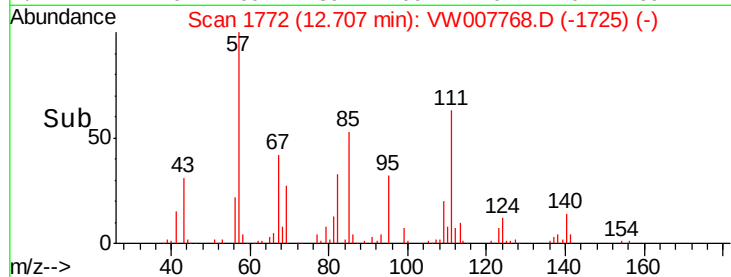
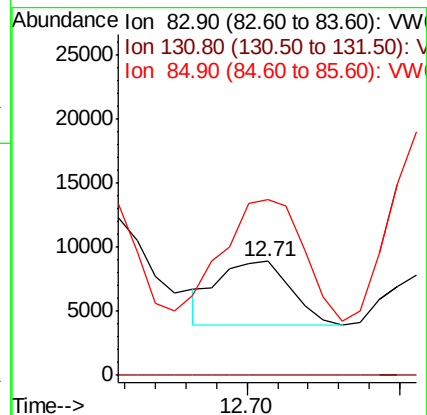
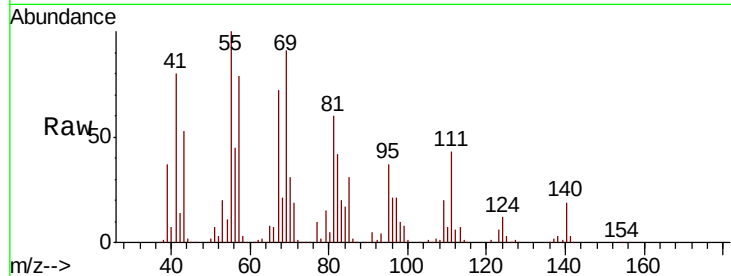
Tgt Ion: 83 Resp: 8154

Ion Ratio Lower Upper

83 100

131 0.0 6.3 18.8#

85 239.1 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 2461.109 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW007768.D

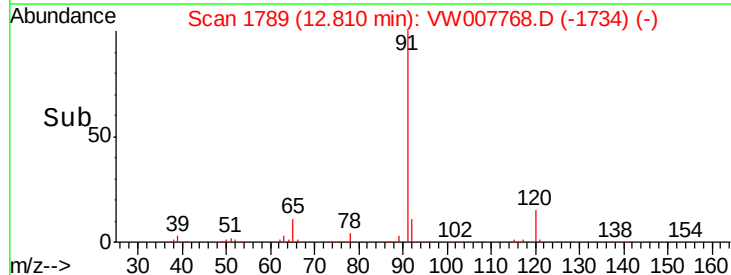
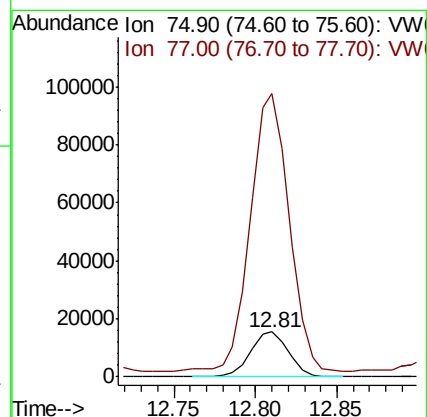
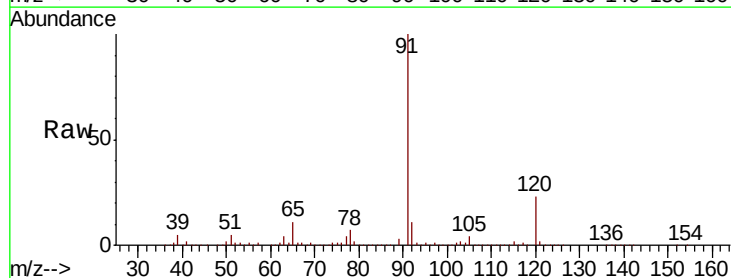
Acq: 21 Dec 2018 00:28

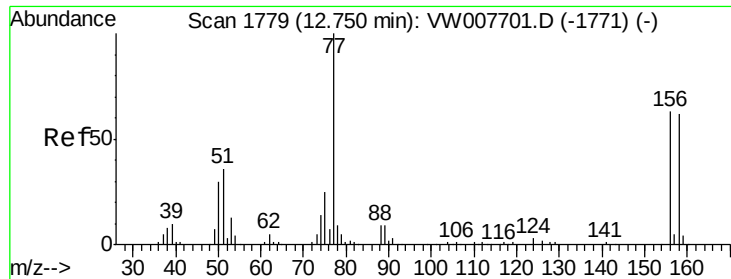
Tgt Ion: 75 Resp: 24995

Ion Ratio Lower Upper

75 100

77 632.3 0.0 0.0#





#77

Bromobenzene

Concen: 16.518 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.04 min

Lab File: VW007768.D

Acq: 21 Dec 2018 00:28

Instrument :

MSVOA_W

ClientSampleId :

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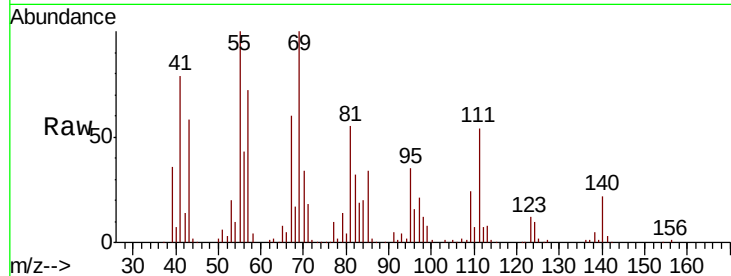
Tgt Ion:156 Resp: 376

Ion Ratio Lower Upper

156 100

77 0.0 87.4 262.1#

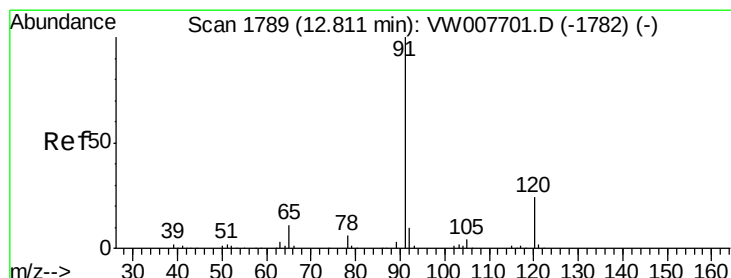
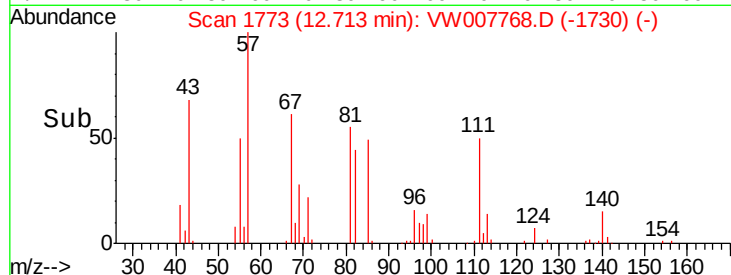
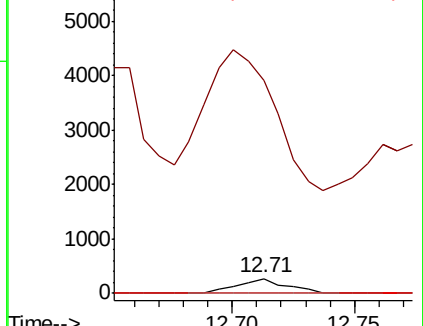
158 0.0 48.4 145.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 32177.971 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007768.D

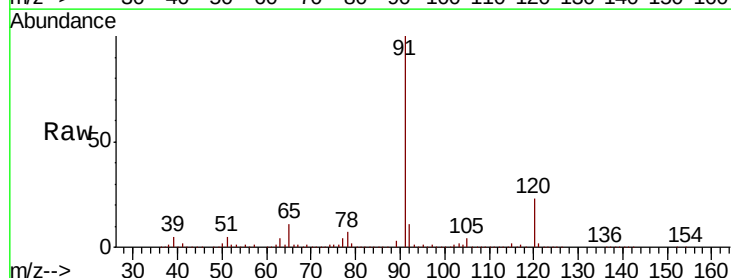
Acq: 21 Dec 2018 00:28

Tgt Ion: 91 Resp: 3720392

Ion Ratio Lower Upper

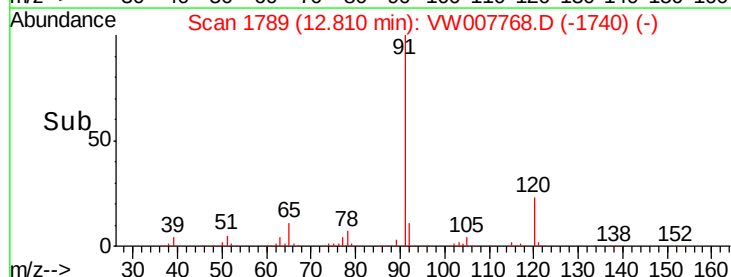
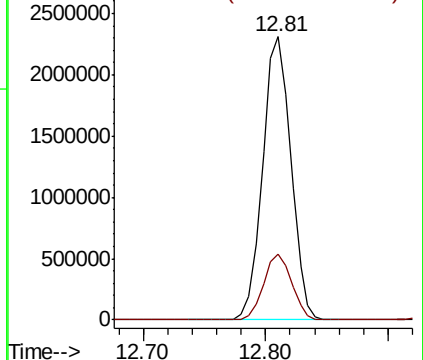
91 100

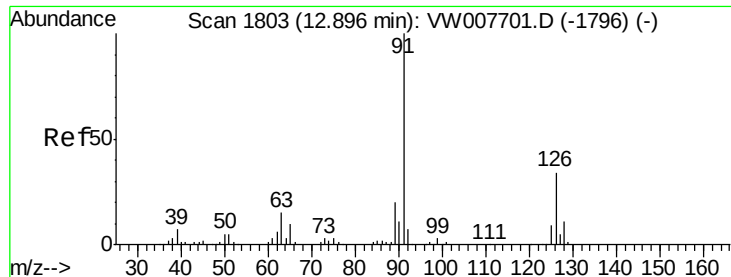
120 23.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5520.345 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.05 min

Lab File: VW007768.D

Acq: 21 Dec 2018 00:28

Instrument :

MSVOA_W

ClientSampleId :

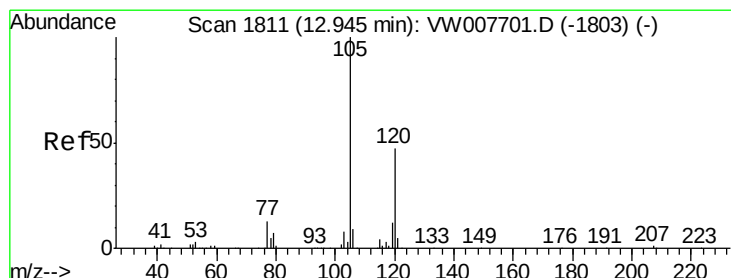
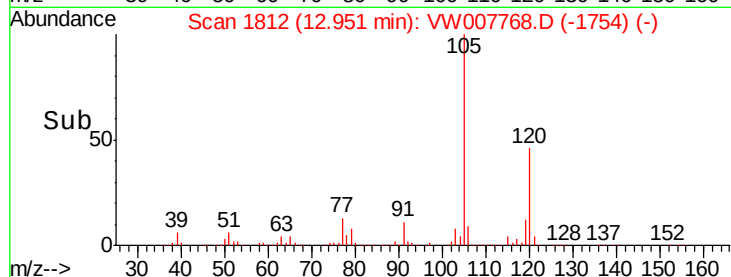
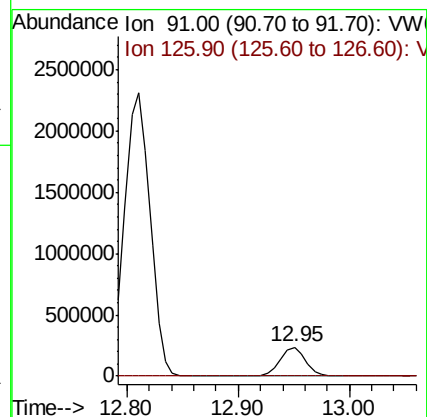
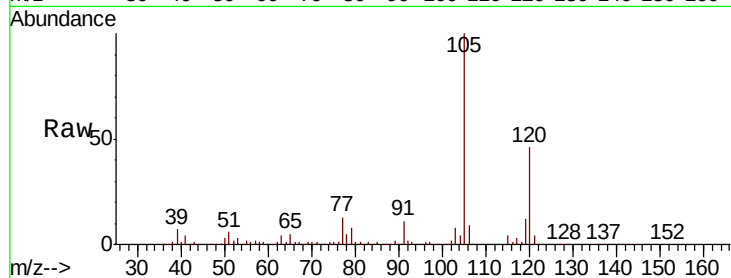
KY001SB103-121118-(25-27)RE

Tgt Ion: 91 Resp: 371816

Ion Ratio Lower Upper

91 100

126 0.4 17.0 51.0#



#80

1,3,5-Trimethylbenzene

Concen: 39858.530 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007768.D

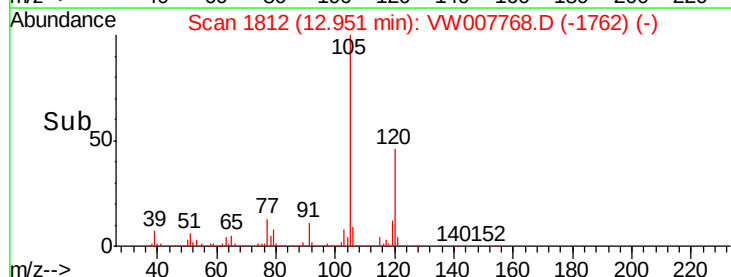
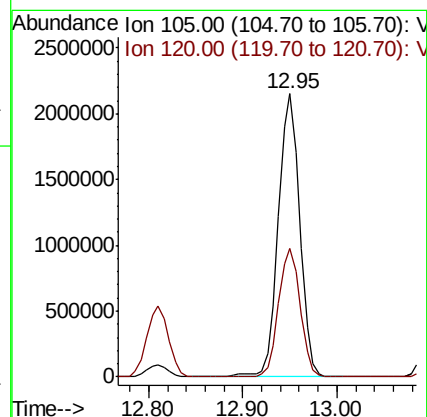
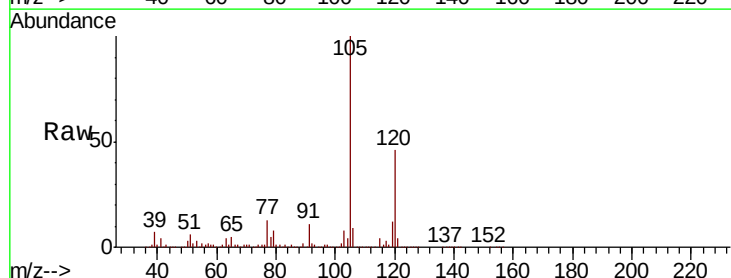
Acq: 21 Dec 2018 00:28

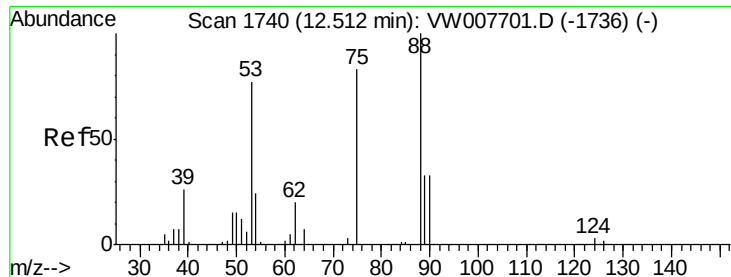
Tgt Ion:105 Resp: 3414835

Ion Ratio Lower Upper

105 100

120 45.9 23.6 70.8

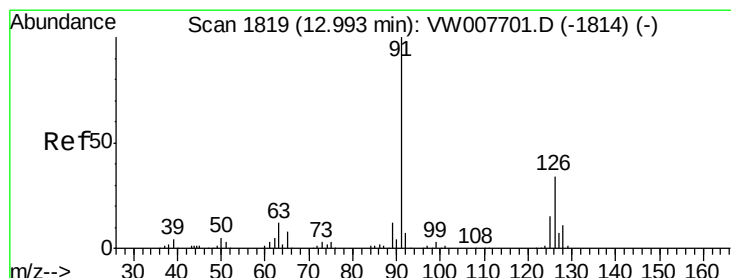
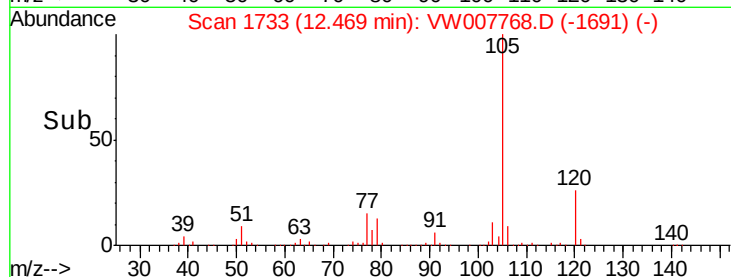
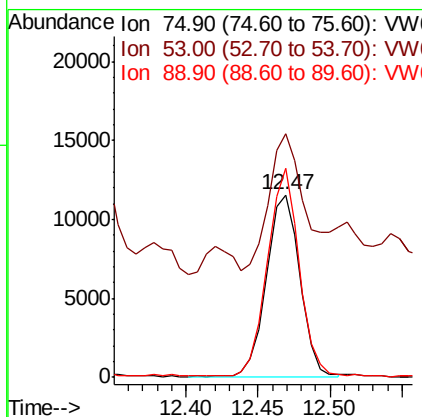
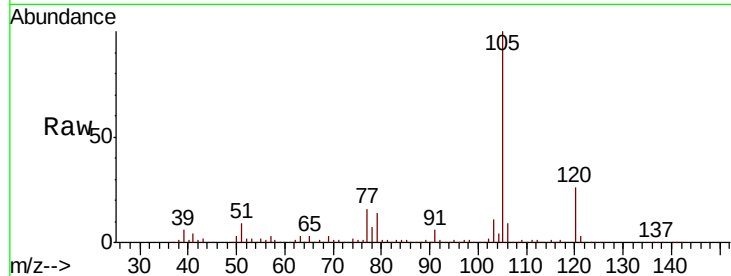




#81
trans-1,4-Dichloro-2-butene
Concen: 3900.732 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.04 min
Lab File: VW007768.D
Acq: 21 Dec 2018 00:28

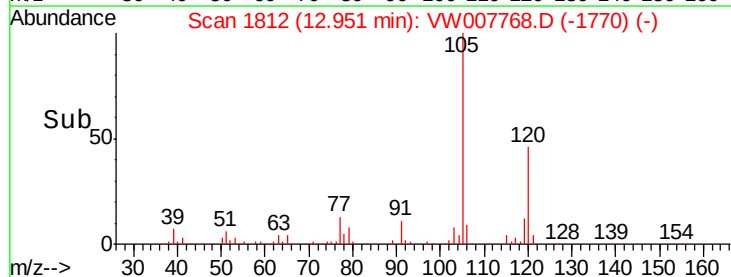
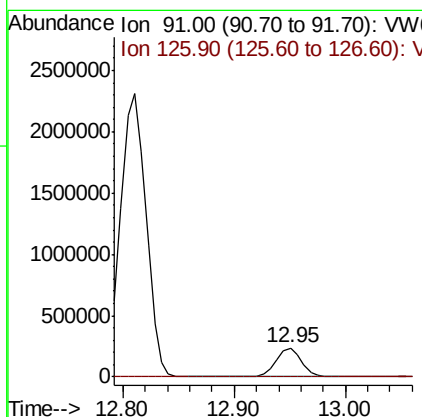
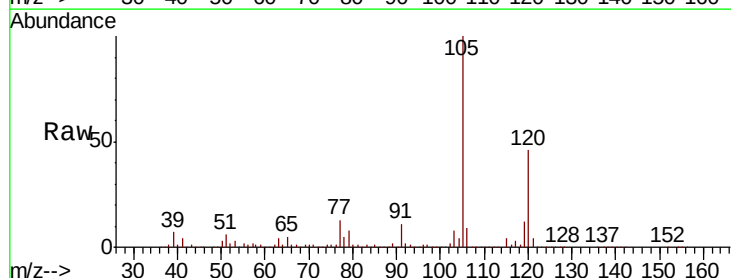
Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(25-27)RE

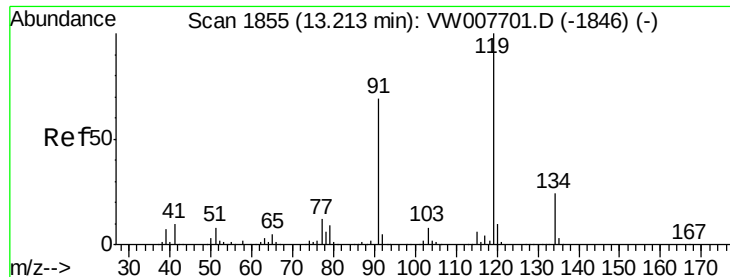
Tgt Ion: 75 Resp: 18873
Ion Ratio Lower Upper
75 100
53 80.1 80.2 120.2#
89 107.2 39.2 58.8#



#82
4-Chlorotoluene
Concen: 5184.568 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. -0.04 min
Lab File: VW007768.D
Acq: 21 Dec 2018 00:28

Tgt Ion: 91 Resp: 371816
Ion Ratio Lower Upper
91 100
126 0.4 16.5 49.5#

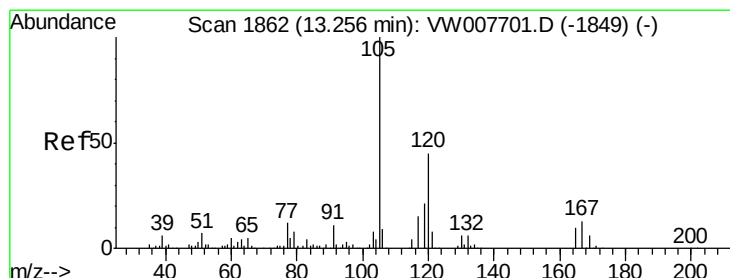
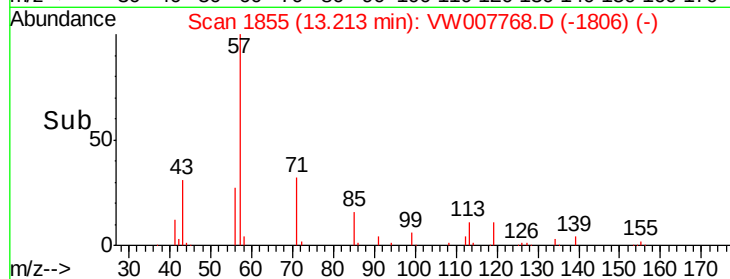
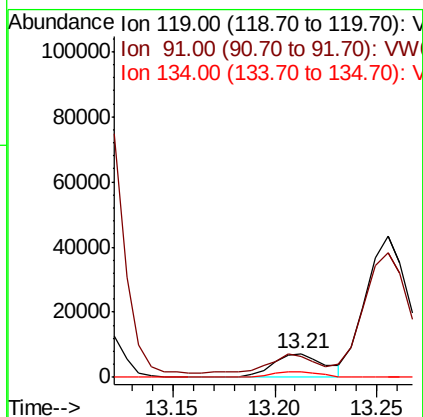
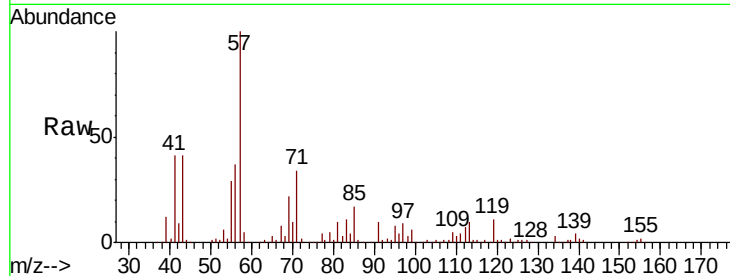




#83
 tert-Butylbenzene
 Concen: 172.138 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007768.D
 Acq: 21 Dec 2018 00:28

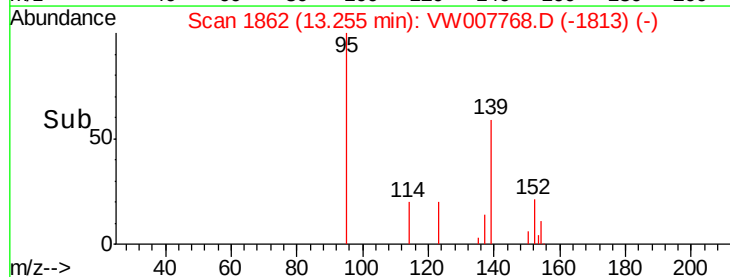
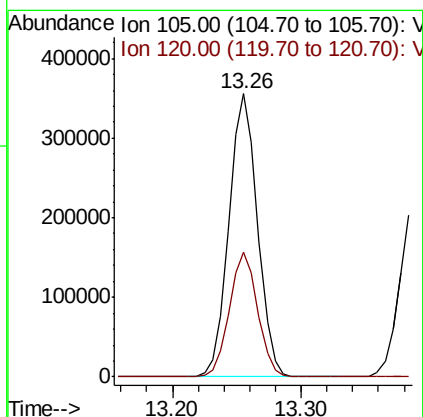
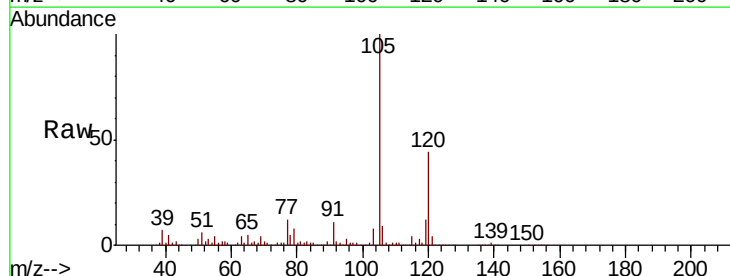
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(25-27)RE

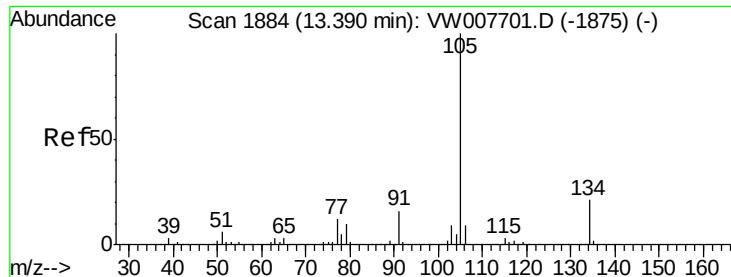
Tgt Ion:119 Resp: 12940
 Ion Ratio Lower Upper
 119 100
 91 0.0 34.2 102.5#
 134 0.0 12.8 38.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 6364.023 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007768.D
 Acq: 21 Dec 2018 00:28

Tgt Ion:105 Resp: 550168
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.0 66.0

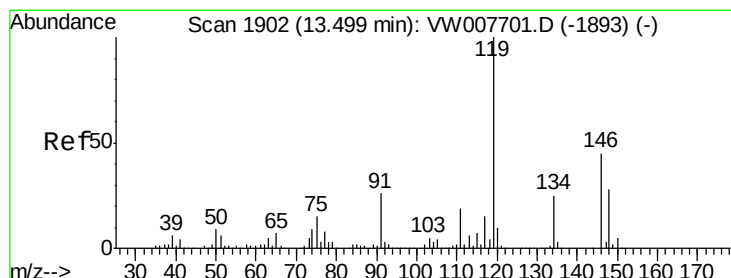
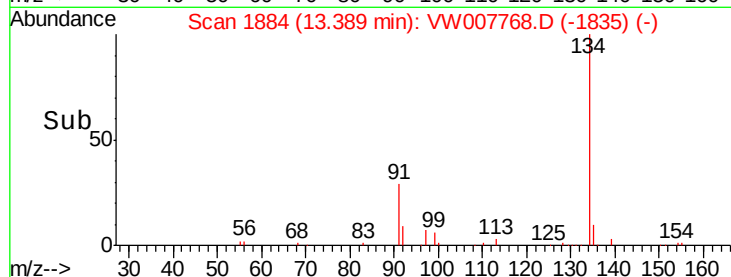
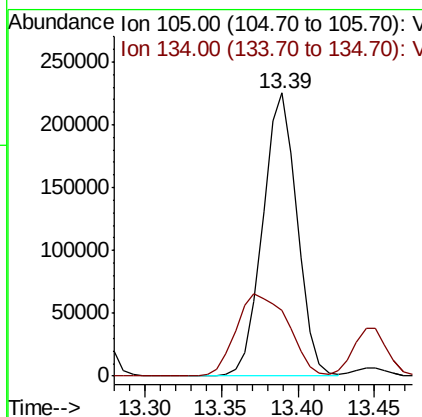
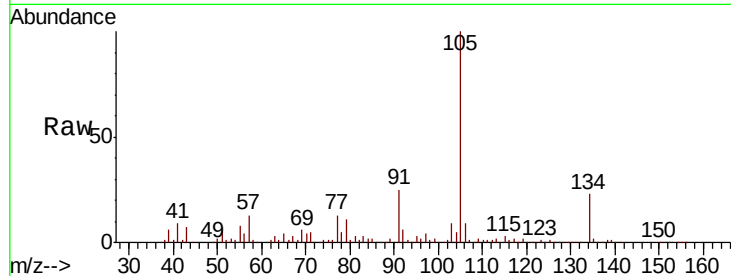




#85
 sec-Butylbenzene
 Concen: 3391.639 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007768.D
 Acq: 21 Dec 2018 00:28

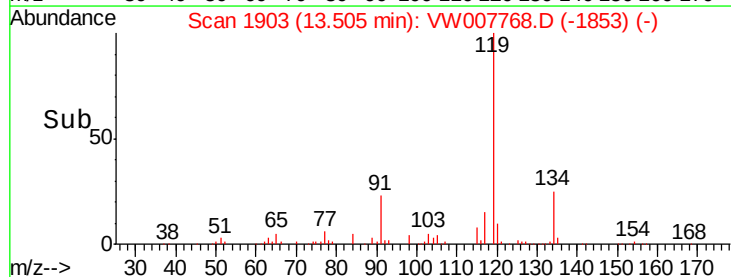
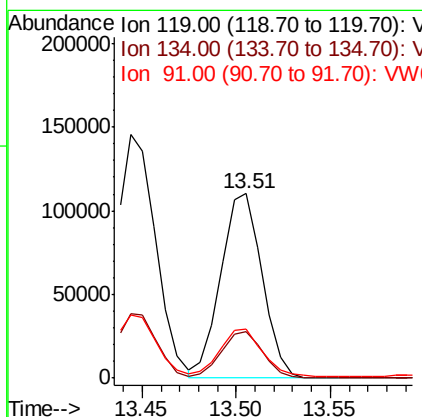
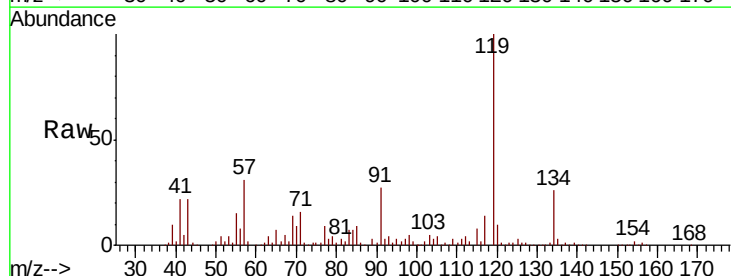
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(25-27)RE

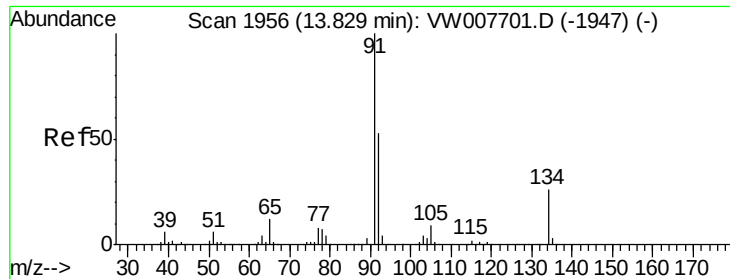
Tgt Ion:105 Resp: 351377
 Ion Ratio Lower Upper
 105 100
 134 44.2 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 1785.102 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007768.D
 Acq: 21 Dec 2018 00:28

Tgt Ion:119 Resp: 168167
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 39.0
 91 26.5 12.8 38.4

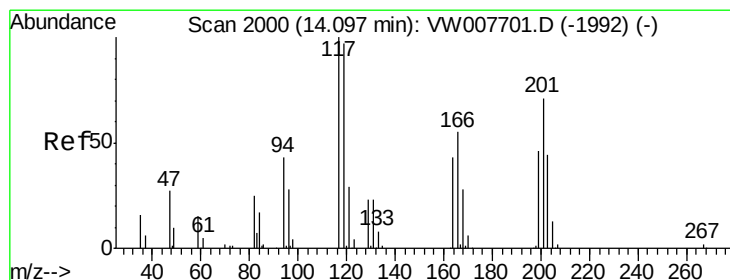
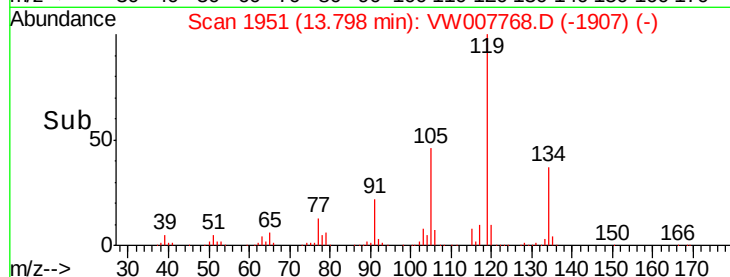
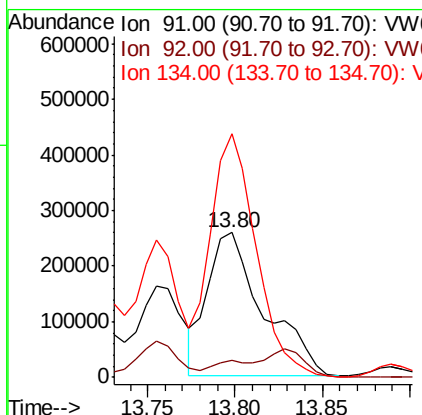
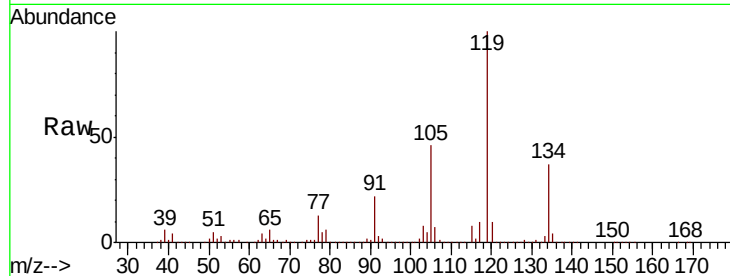




#89
n-Butylbenzene
Concen: 6725.857 ug/l
RT: 13.80 min Scan# 1951
Delta R.T. -0.03 min
Lab File: VW007768.D
Acq: 21 Dec 2018 00:28

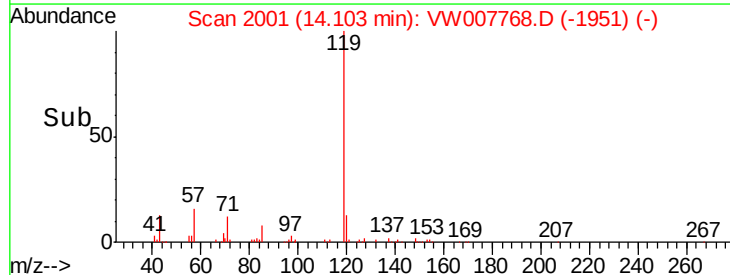
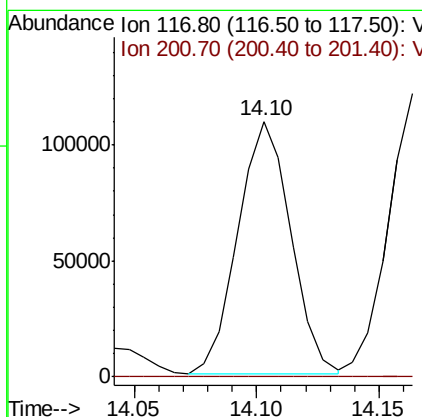
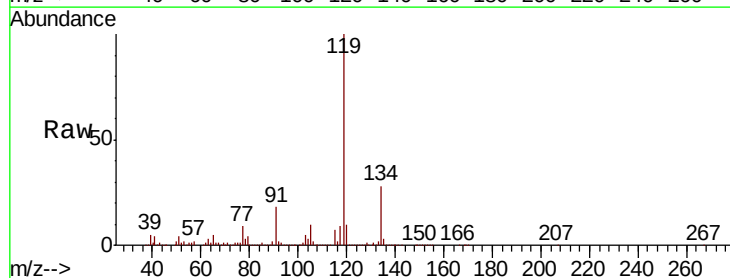
Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(25-27)RE

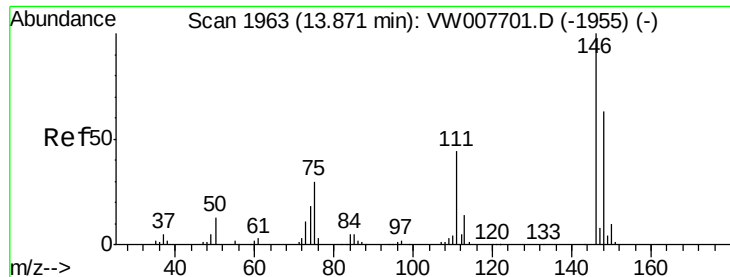
Tgt Ion: 91 Resp: 580946
Ion Ratio Lower Upper
91 100
92 7.9 26.4 79.2#
134 138.0 13.7 41.0#



#90
Hexachloroethane
Concen: 9899.053 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW007768.D
Acq: 21 Dec 2018 00:28

Tgt Ion: 117 Resp: 163719
Ion Ratio Lower Upper
117 100
201 0.0 36.2 108.6#

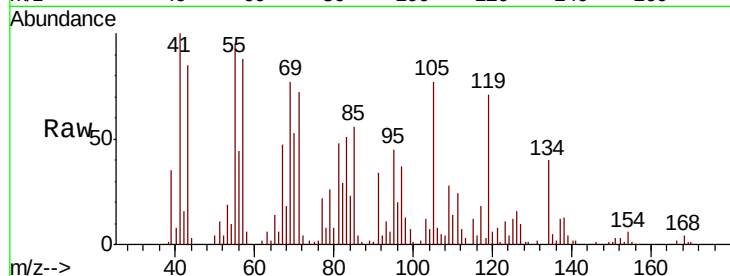




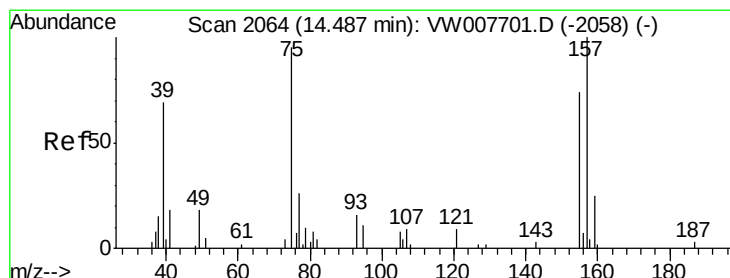
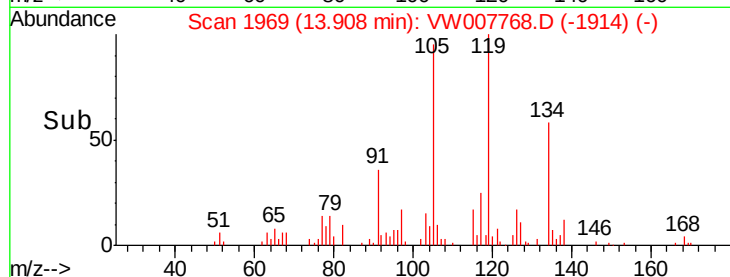
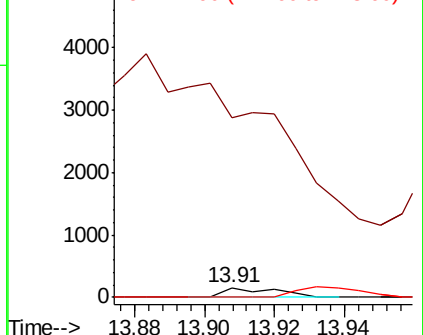
#91
 1,2-Dichlorobenzene
 Concen: 4.028 ug/l
 RT: 13.91 min Scan# 1969
 Delta R.T. 0.04 min
 Lab File: VW007768.D
 Acq: 21 Dec 2018 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(25-27)RE

Tgt Ion: 146 Resp: 163
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.7 65.1#
 148 0.0 32.1 96.5#

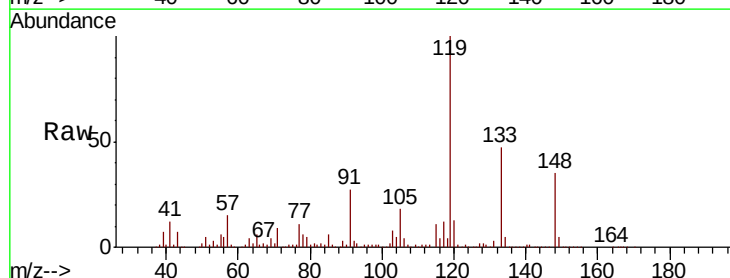


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

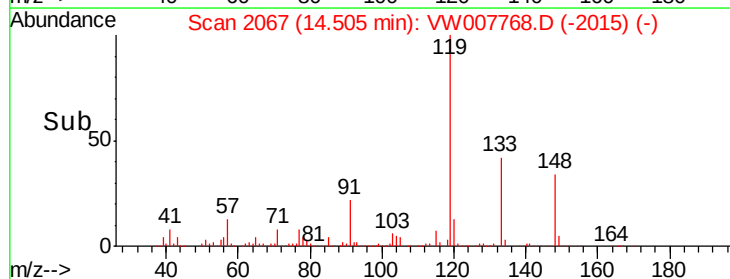
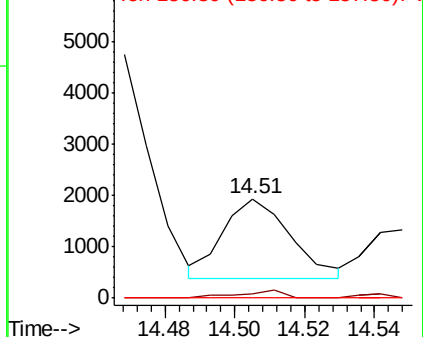


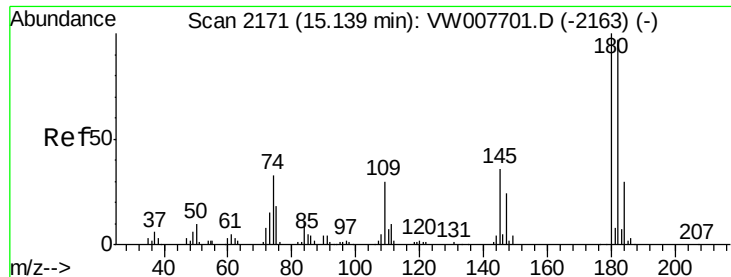
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 680.121 ug/l
 RT: 14.51 min Scan# 2067
 Delta R.T. 0.02 min
 Lab File: VW007768.D
 Acq: 21 Dec 2018 00:28

Tgt Ion: 75 Resp: 2080
 Ion Ratio Lower Upper
 75 100
 155 6.3 39.4 118.1#
 157 0.0 52.0 156.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

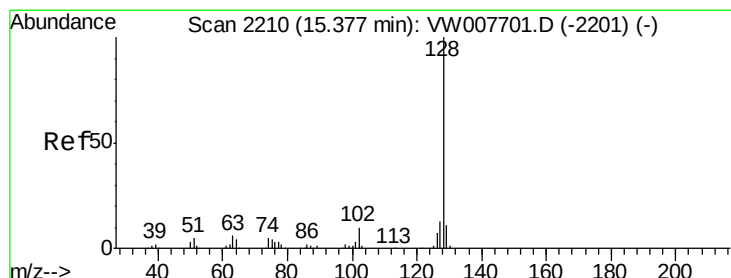
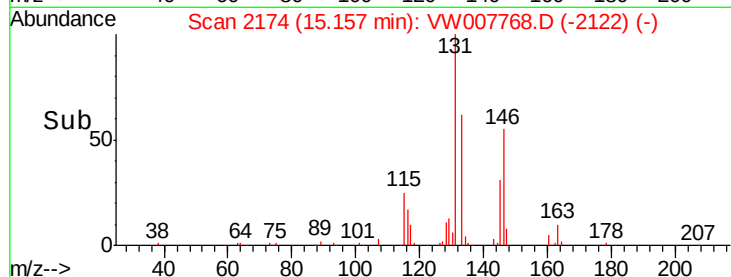
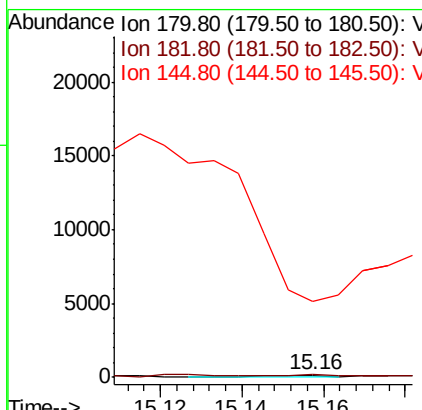
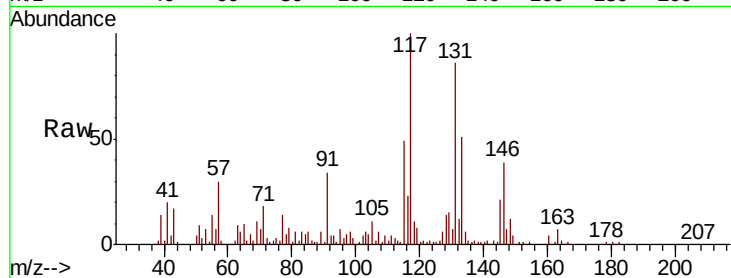




#93
1,2,4-Trichlorobenzene
Concen: 6.622 ug/l
RT: 15.16 min Scan# 2174
Delta R.T. 0.02 min
Lab File: VW007768.D
Acq: 21 Dec 2018 00:28

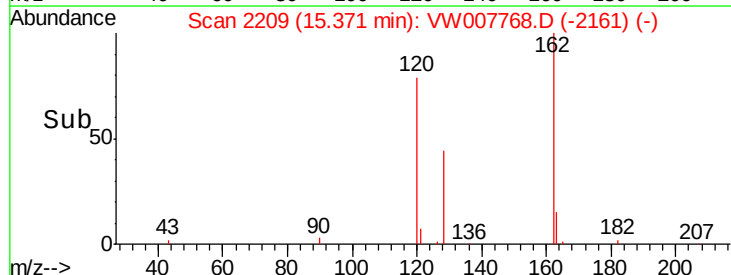
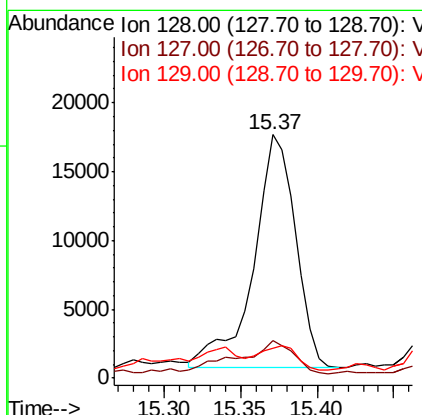
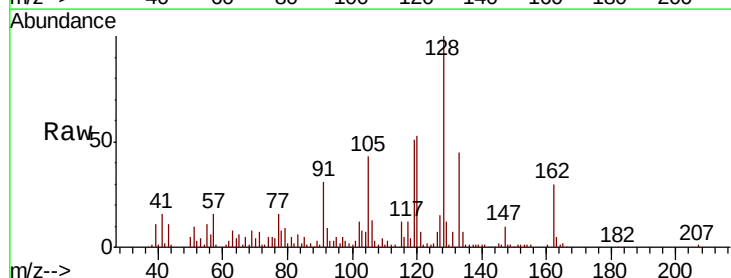
Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(25-27)RE

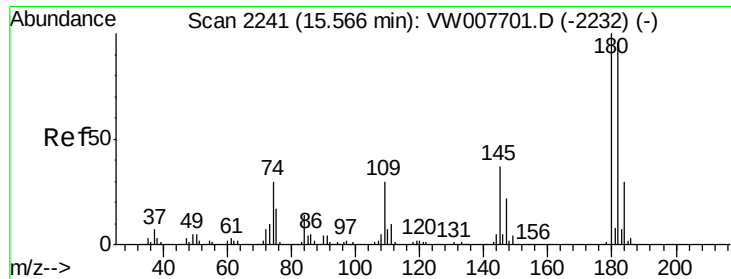
Tgt Ion:180 Resp: 186
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.6#
145 0.0 17.5 52.5#



#95
Naphthalene
Concen: 623.504 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007768.D
Acq: 21 Dec 2018 00:28

Tgt Ion:128 Resp: 32379
Ion Ratio Lower Upper
128 100
127 19.1 10.7 16.1#
129 9.0 8.8 13.2

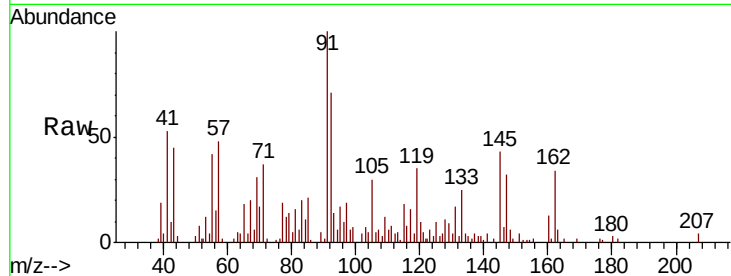




#96
 1,2,3-Trichlorobenzene
 Concen: 8.651 ug/l
 RT: 15.59 min Scan# 2245
 Delta R.T. 0.02 min
 Lab File: VW007768.D
 Acq: 21 Dec 2018 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(25-27)RE

Tgt Ion	Ratio	Lower	Upper
180	100		
182	12.5	47.4	142.2#
145	0.0	18.4	55.0#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

