

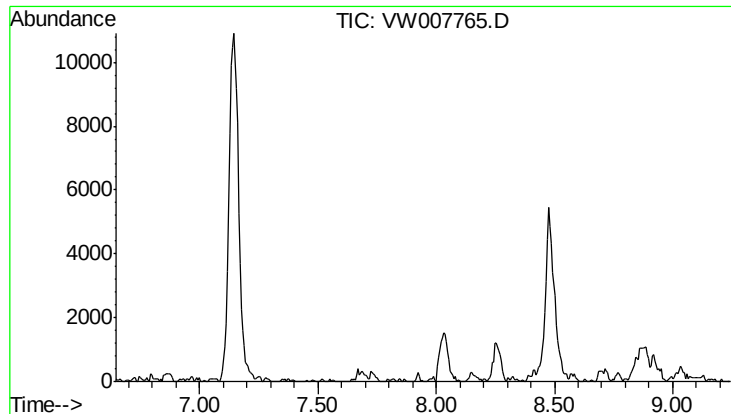
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007765.D
 Acq On : 20 Dec 2018 23:10
 Operator : SY/AP
 Sample : J6392-03RE
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB102-121118-(13-15)RE

Quant Time: Dec 21 03:58:06 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	13.35	152	20	50.00	ug/l	-0.21
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
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	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
					Qvalue	
73) Isopropylbenzene	12.47	105	2837	1876.599	ug/l	99
74) N-amyl acetate	12.26	43	69	263.498	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.95	83	18	79.412	ug/l #	51
76) 1,2,3-Trichloropropane	12.87	75	48	310.516	ug/l #	100
77) Bromobenzene	12.90	156	814	2349.468	ug/l #	32
78) n-propylbenzene	12.81	91	6544	3718.593	ug/l	94
79) 2-Chlorotoluene	12.87	91	1278	1246.621	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.94	105	7694	5900.232	ug/l	95
82) 4-Chlorotoluene	12.95	91	751	688.002	ug/l #	42
83) tert-Butylbenzene	13.26	119	4304	3761.665	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.26	105	34013	25849.176	ug/l	98
85) sec-Butylbenzene	13.39	105	1027	651.286	ug/l	80
86) p-Isopropyltoluene	13.51	119	1393	971.491	ug/l	92
89) n-Butylbenzene	13.83	91	1633	1242.120	ug/l #	71
90) Hexachloroethane	14.10	117	922	3662.612	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.70	75	57	1224.513	ug/l #	3
95) Naphthalene	15.38	128	18586	23514.023	ug/l	99

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



#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.95 min

Lab File: VW007765.D

Acq: 20 Dec 2018 23:10

Tot Ion: 168

Sig Exp Ratio

168 100

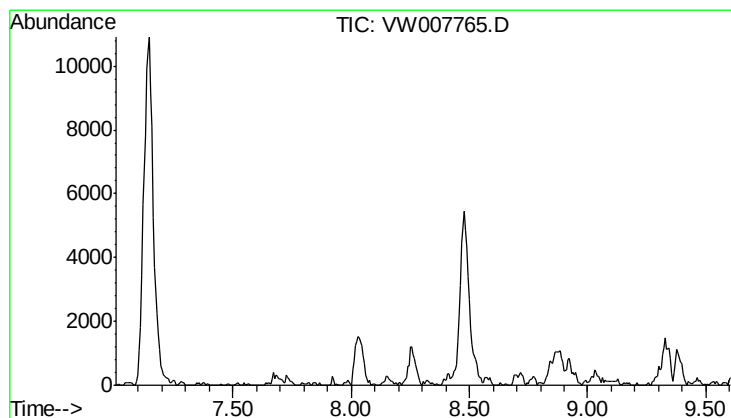
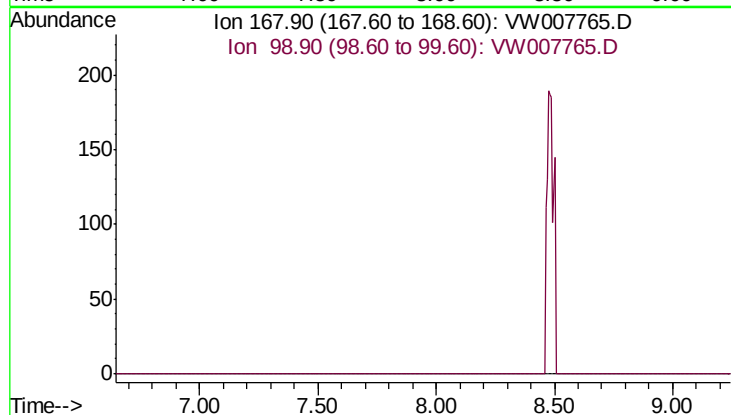
99 67.5

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(13-15)RE



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.31 min

Lab File: VW007765.D

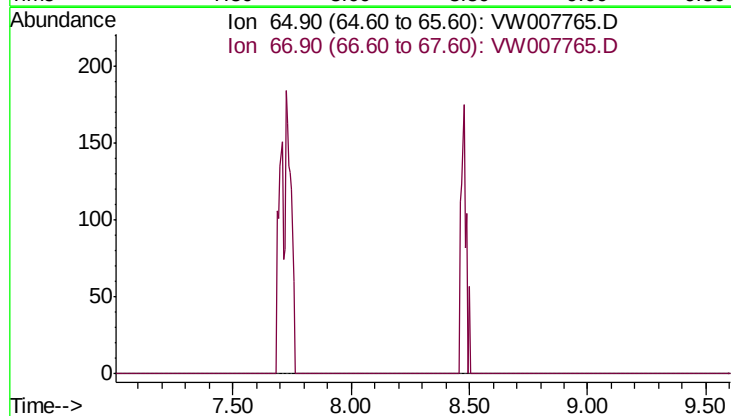
Acq: 20 Dec 2018 23:10

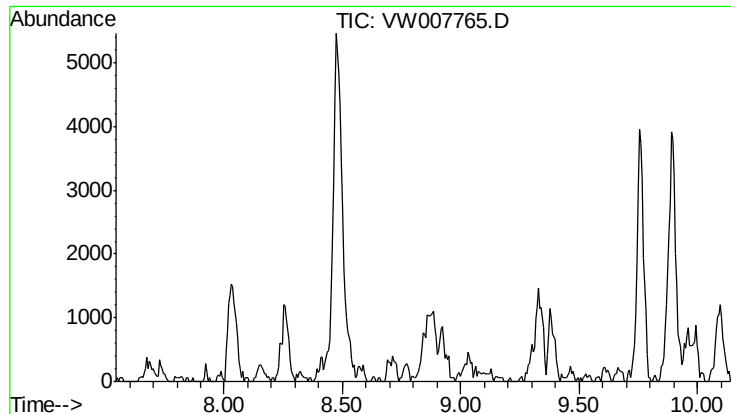
Tgt Ion: 65

Sig Exp Ratio

65 100

67 50.3



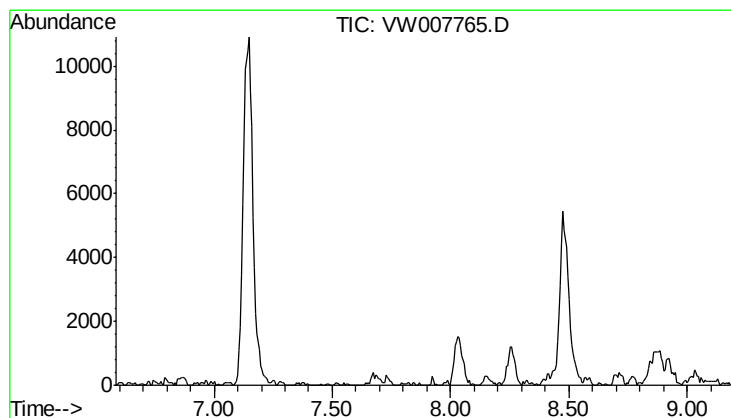
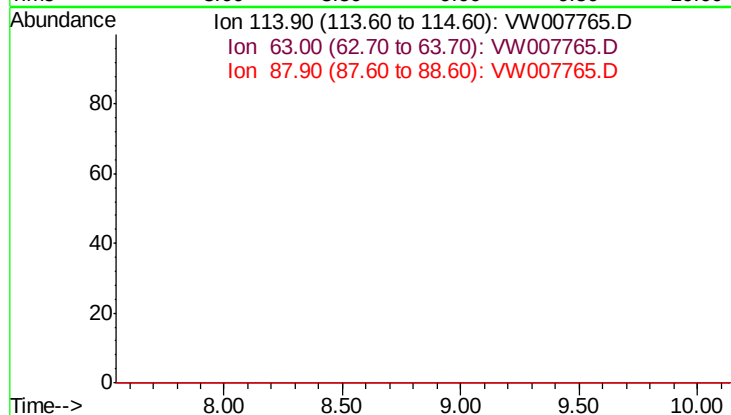


#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 8.84 min

Lab File: VW007765.D
 Acq: 20 Dec 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB102-121118-(13-15)RE

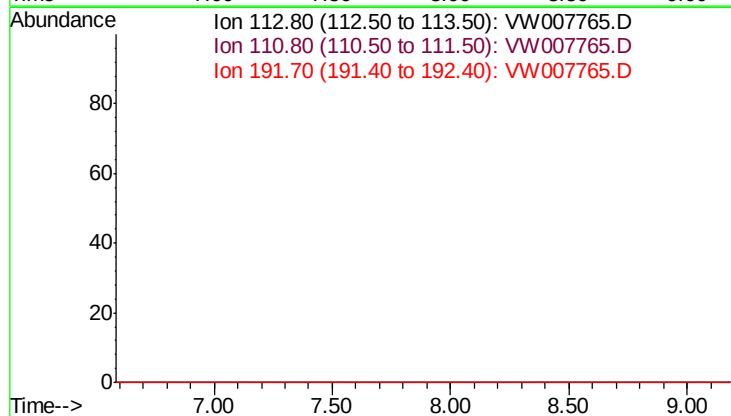
Tot Ion: 114
 Sig Exp Ratio
 114 100
 63 20.0
 88 16.3

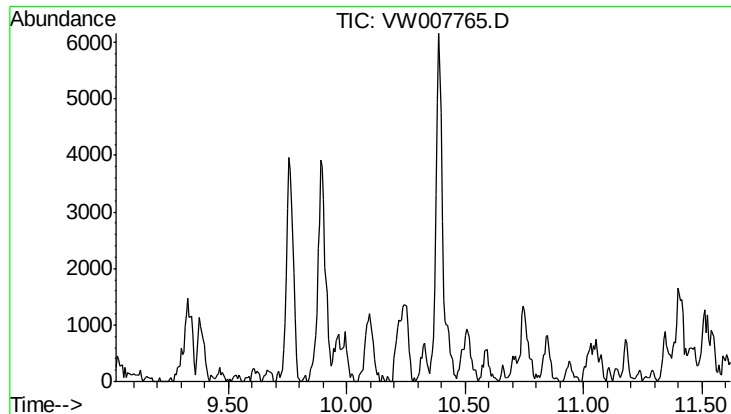


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.88 min

Lab File: VW007765.D
 Acq: 20 Dec 2018 23:10

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 103.3
 192 19.4



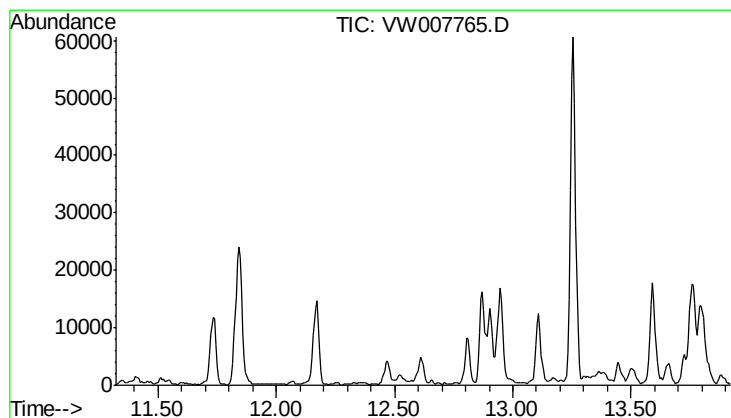
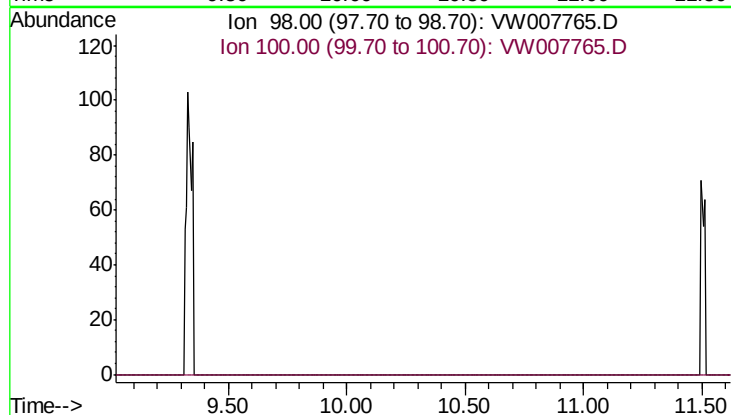


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.32 min

Lab File: VW007765.D
Acq: 20 Dec 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
KY001SB102-121118-(13-15)RE

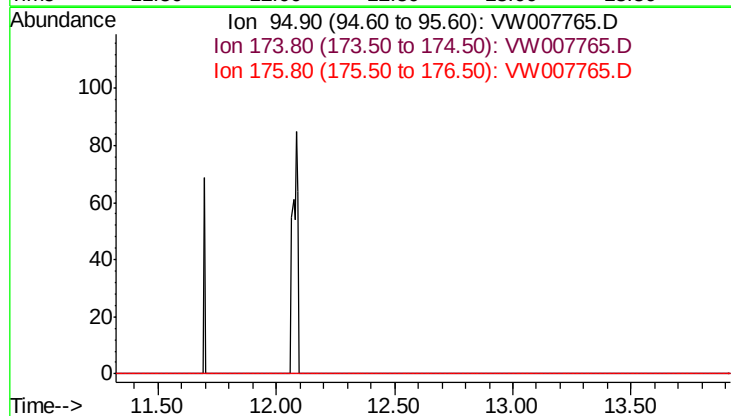
Tot Ion: 98
Sig Exp Ratio
98 100
100 65.2

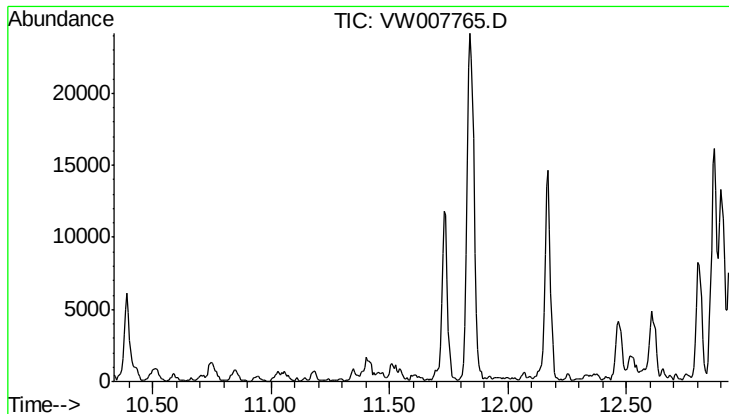


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.62 min

Lab File: VW007765.D
Acq: 20 Dec 2018 23:10

Tgt Ion: 95
Sig Exp Ratio
95 100
174 76.1
176 73.4



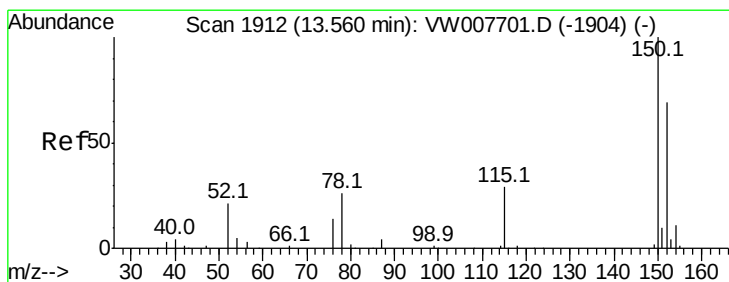
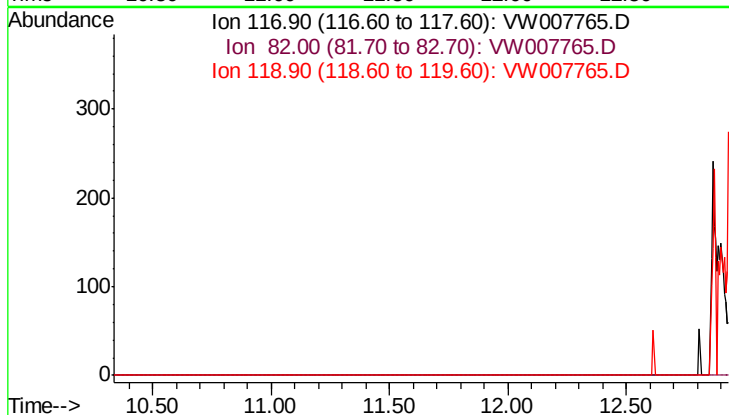


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.63 min

Lab File: VW007765.D
Acq: 20 Dec 2018 23:10

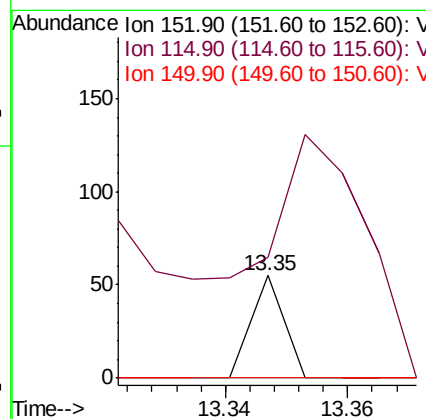
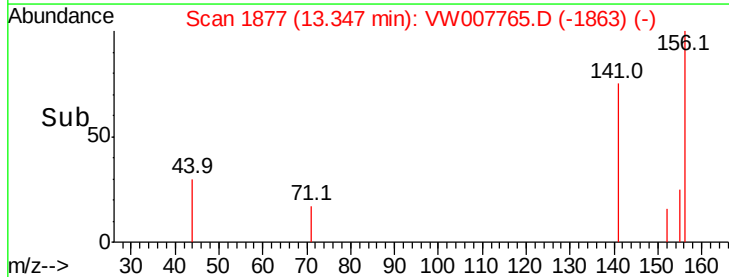
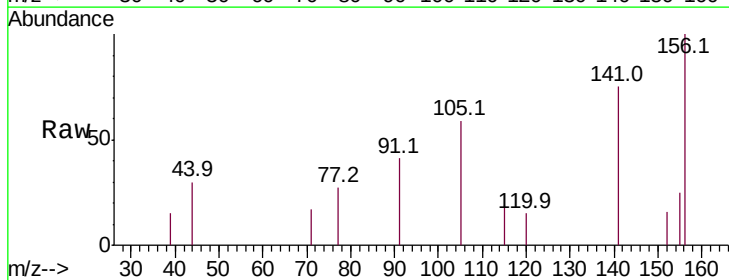
Instrument :
MSVOA_W
ClientSampleId :
KY001SB102-121118-(13-15)RE

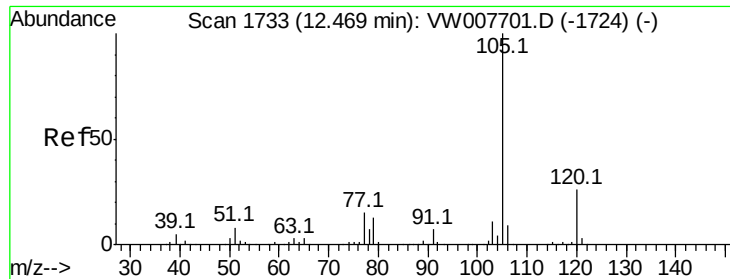
Tot Ion: 117
Sig Exp Ratio
117 100
82 55.4
119 32.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 1877
Delta R.T. -0.21 min
Lab File: VW007765.D
Acq: 20 Dec 2018 23:10

Tgt Ion: 152 Resp: 20
Ion Ratio Lower Upper
152 100
115 780.0 31.8 95.4#
150 0.0 0.0 350.8





#73

Isopropylbenzene

Concen: 1876.599 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007765.D

Acq: 20 Dec 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

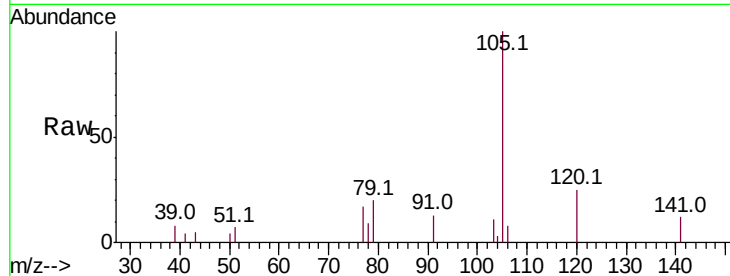
KY001SB102-121118-(13-15)RE

Tot Ion:105 Resp: 2837

Ion Ratio Lower Upper

105 100

120 27.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000

1500

1000

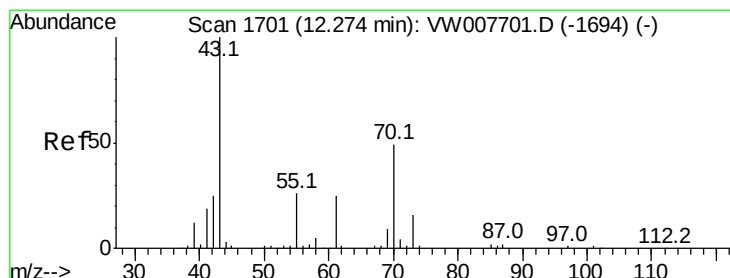
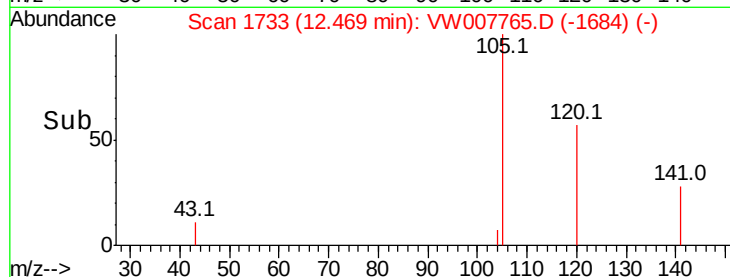
500

0

12.40 12.45 12.50

12.47

Time-->



#74

N-amyl acetate

Concen: 263.498 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007765.D

Acq: 20 Dec 2018 23:10

Tgt Ion: 43 Resp: 69

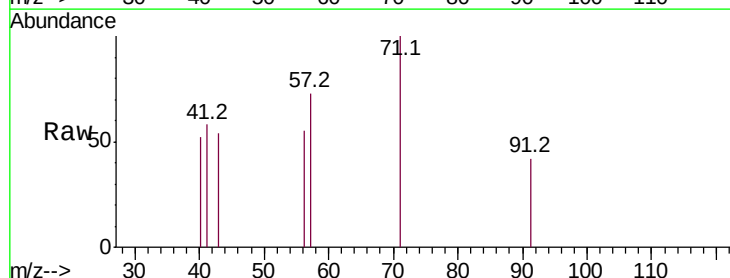
Ion Ratio Lower Upper

43 100

70 0.0 37.6 56.4#

55 33.3 21.7 32.5#

61 0.0 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

100

80

60

40

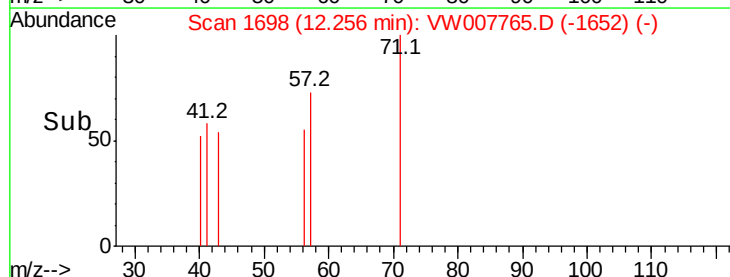
20

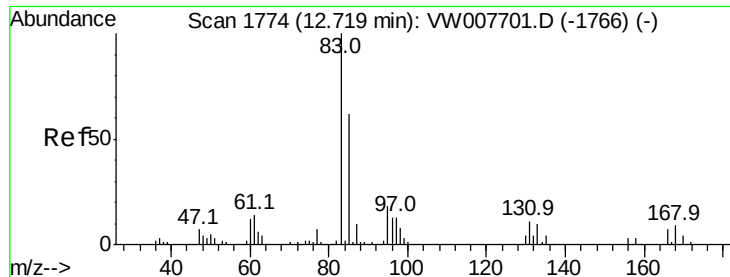
0

12.22 12.24 12.26 12.28

12.26

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 79.412 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.23 min

Lab File: VW007765.D

Acq: 20 Dec 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(13-15)RE

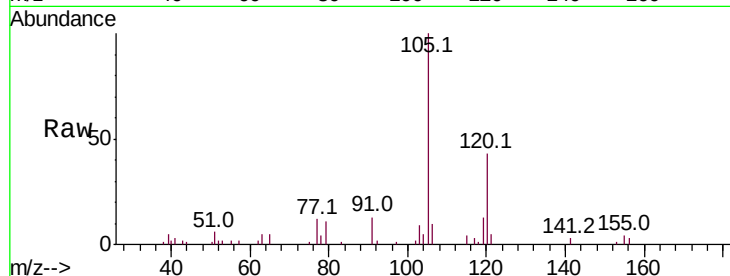
Tot Ion: 83 Resp: 18

Ion Ratio Lower Upper

83 100

131 0.0 6.3 18.8#

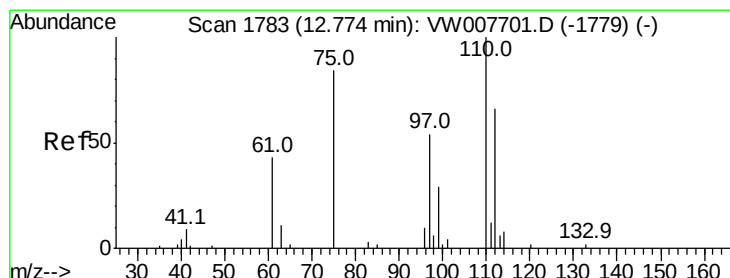
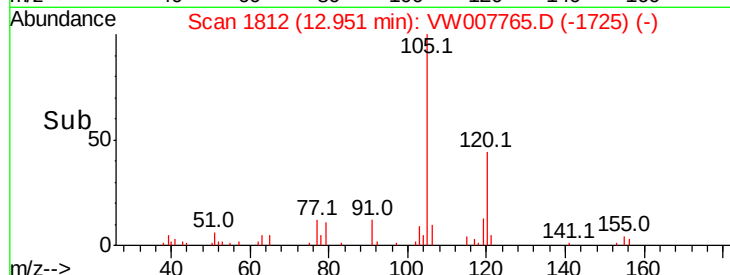
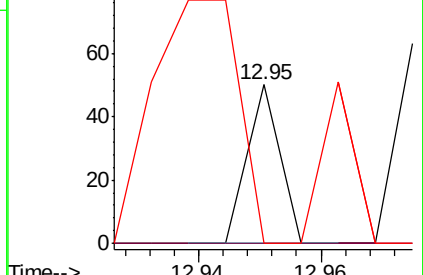
85 105.6 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 310.516 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. 0.10 min

Lab File: VW007765.D

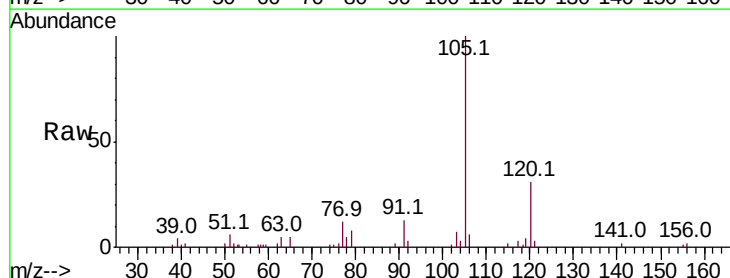
Acq: 20 Dec 2018 23:10

Tgt Ion: 75 Resp: 48

Ion Ratio Lower Upper

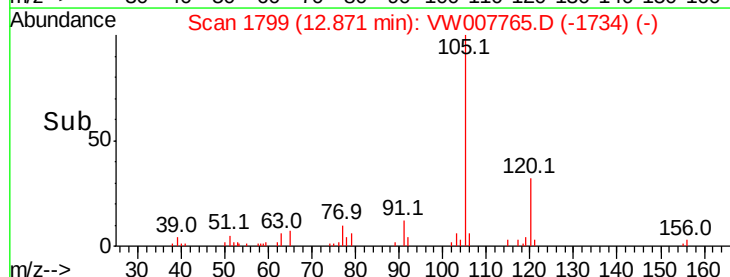
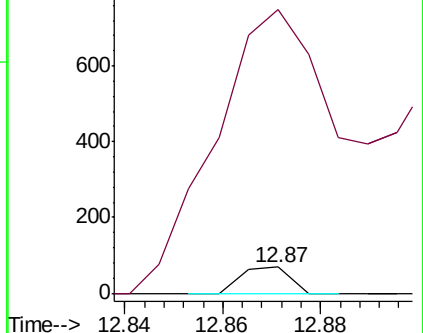
75 100

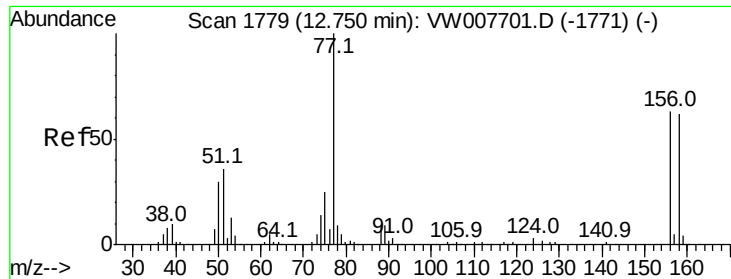
77 2764.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 2349.468 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.15 min

Lab File: VW007765.D

Acq: 20 Dec 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(13-15)RE

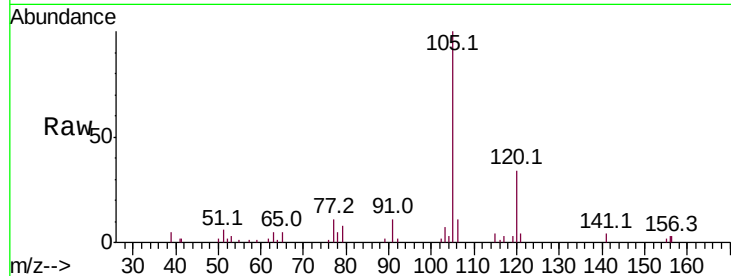
Tot Ion:156 Resp: 814

Ion Ratio Lower Upper

156 100

77 104.1 87.4 262.1

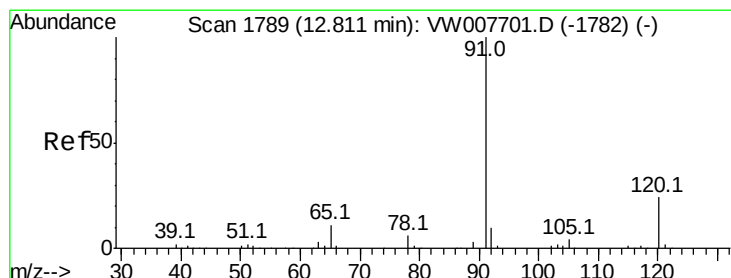
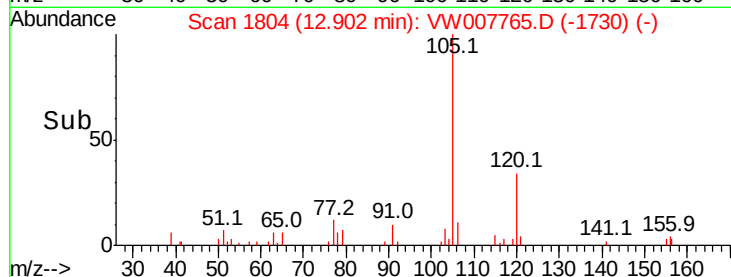
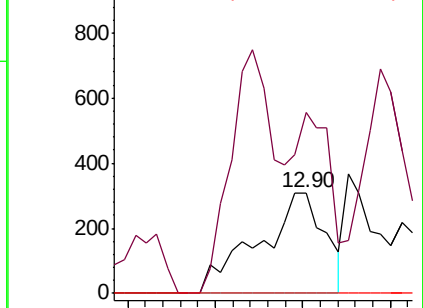
158 0.0 48.4 145.0#



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: 3718.593 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007765.D

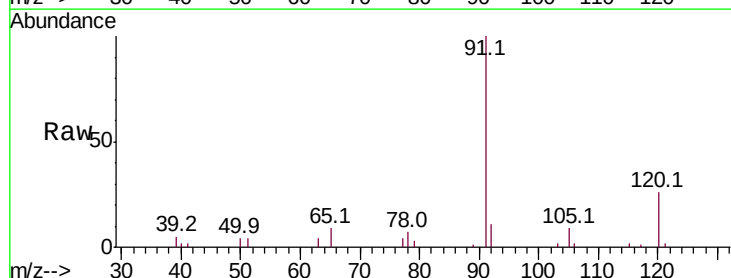
Acq: 20 Dec 2018 23:10

Tgt Ion: 91 Resp: 6544

Ion Ratio Lower Upper

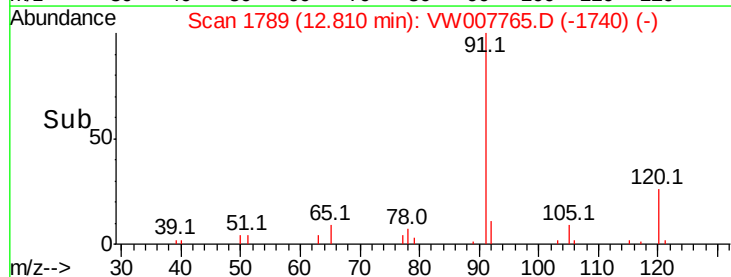
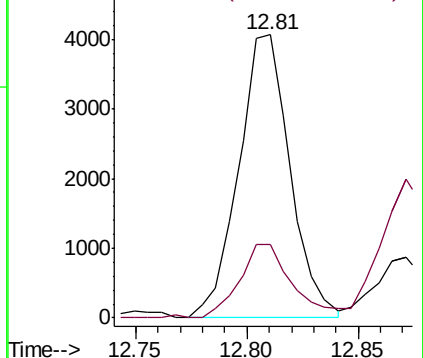
91 100

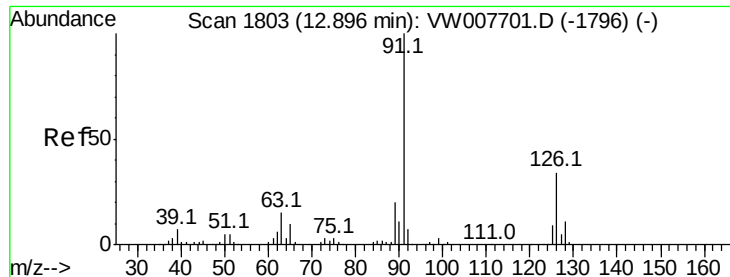
120 26.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1246.621 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. -0.02 min

Lab File: VW007765.D

Acq: 20 Dec 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

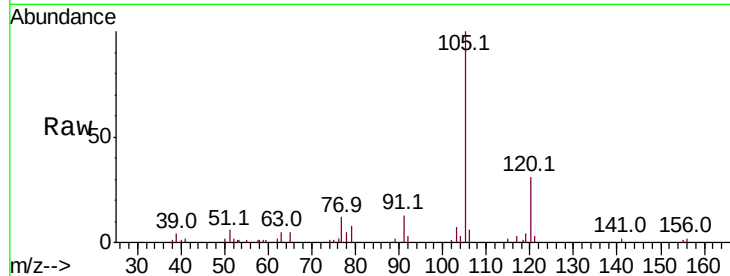
KY001SB102-121118-(13-15)RE

Tot Ion: 91 Resp: 1278

Ion Ratio Lower Upper

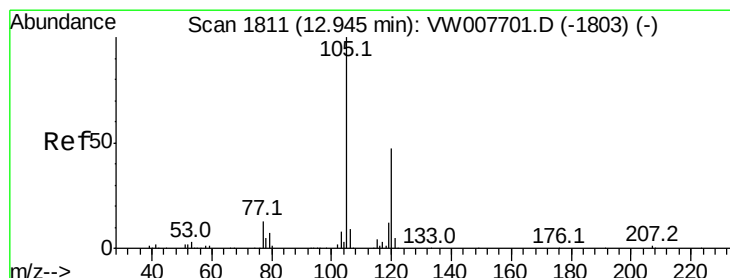
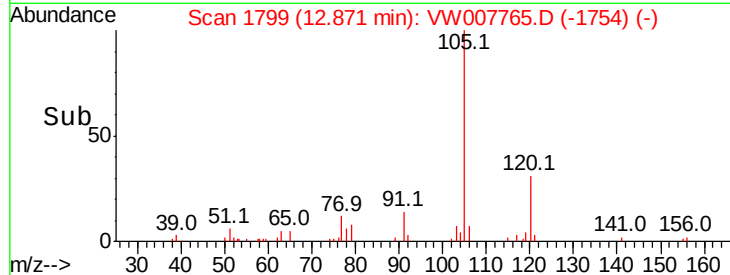
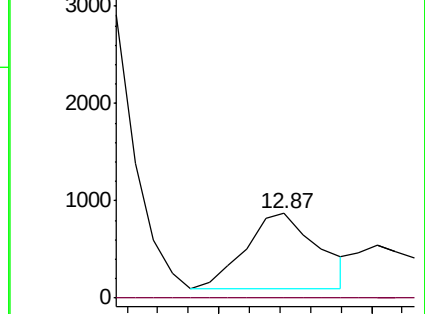
91 100

126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 5900.232 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007765.D

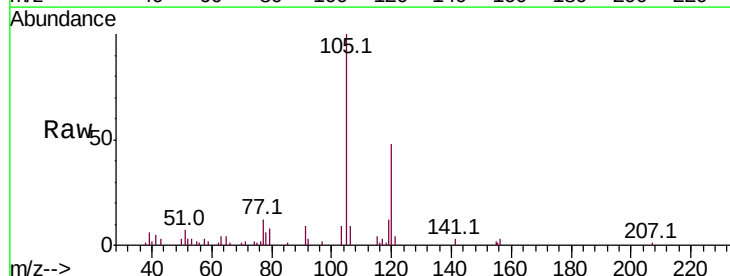
Acq: 20 Dec 2018 23:10

Tgt Ion:105 Resp: 7694

Ion Ratio Lower Upper

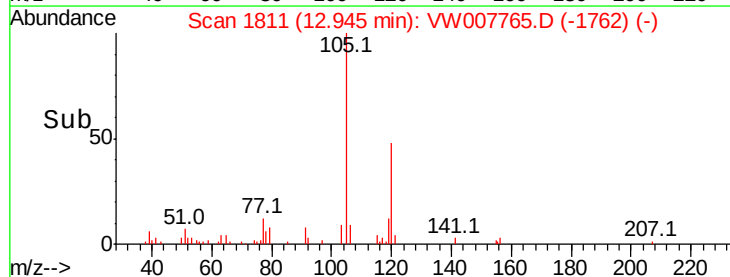
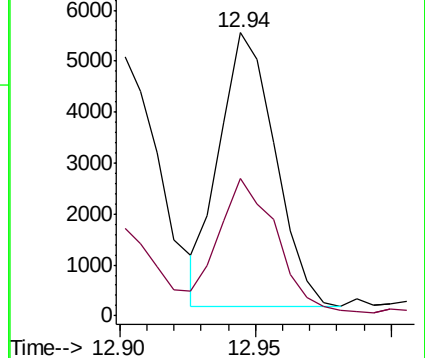
105 100

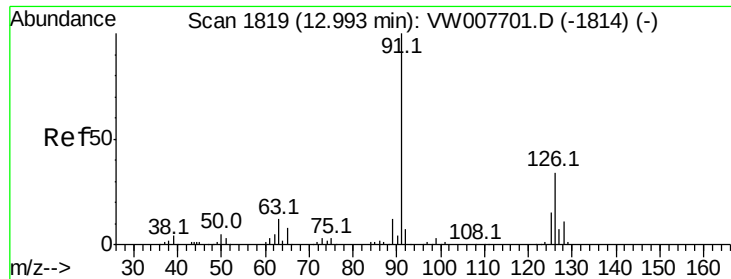
120 50.6 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

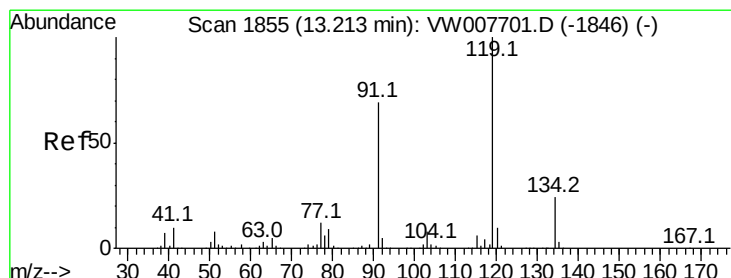
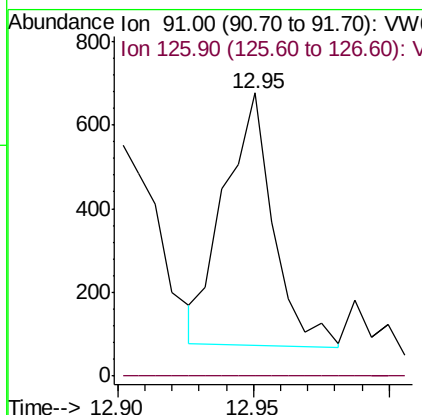
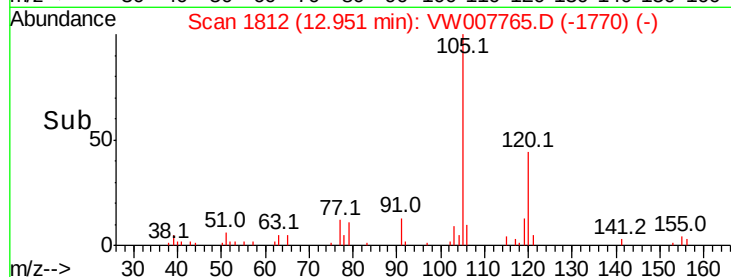
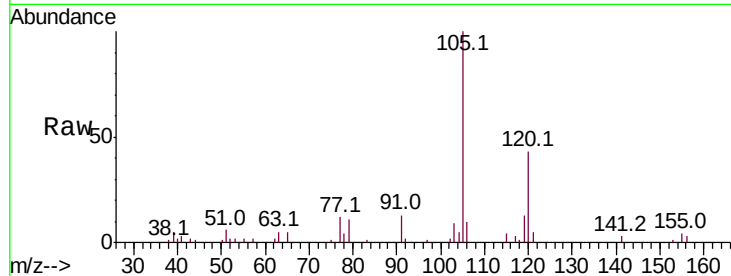




#82
4-Chlorotoluene
Concen: 688.002 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. -0.04 min
Lab File: VW007765.D
Acq: 20 Dec 2018 23:10

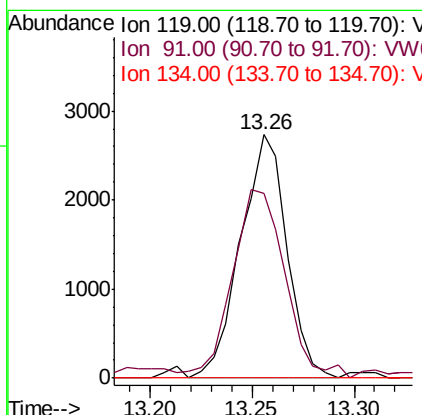
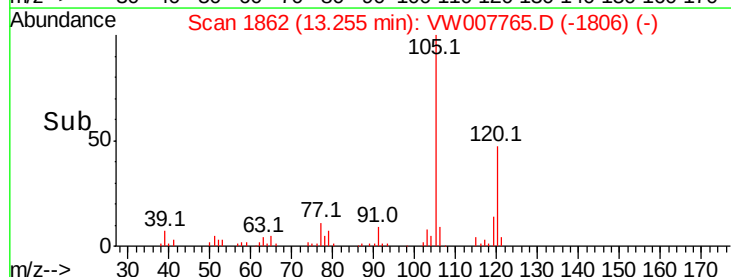
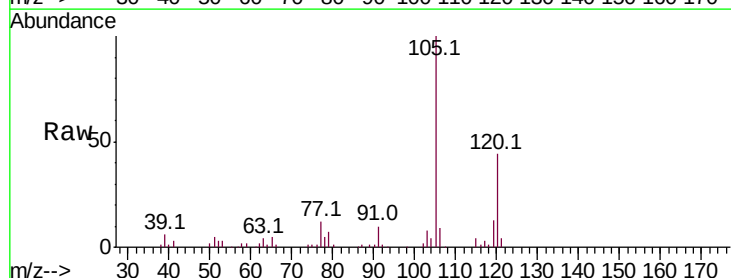
Instrument :
MSVOA_W
ClientSampleId :
KY001SB102-121118-(13-15)RE

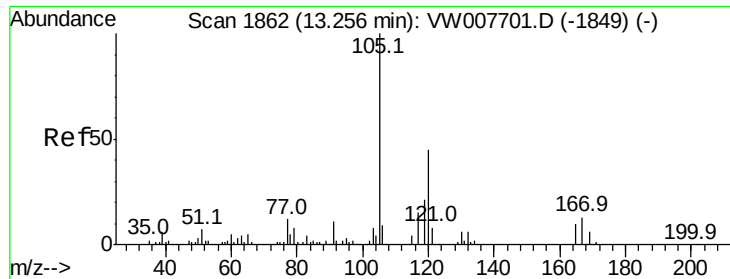
Tot Ion: 91 Resp: 751
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#



#83
tert-Butylbenzene
Concen: 3761.665 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.04 min
Lab File: VW007765.D
Acq: 20 Dec 2018 23:10

Tgt Ion: 119 Resp: 4304
Ion Ratio Lower Upper
119 100
91 88.3 34.2 102.5
134 0.0 12.8 38.4#

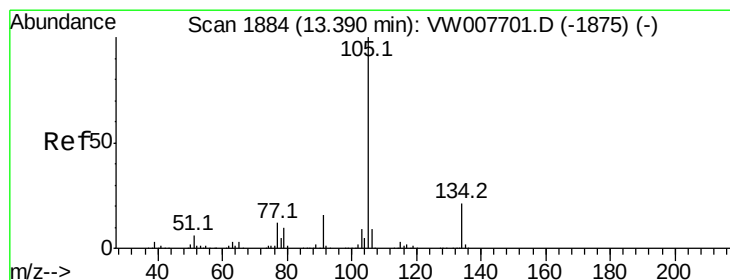
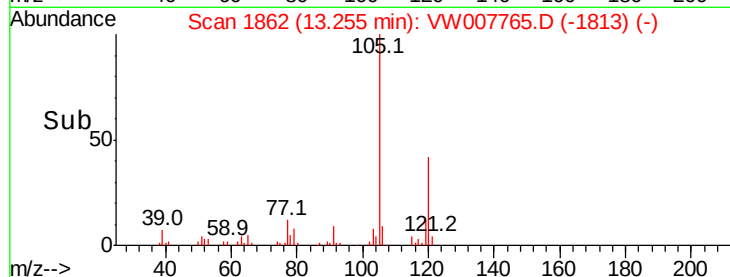
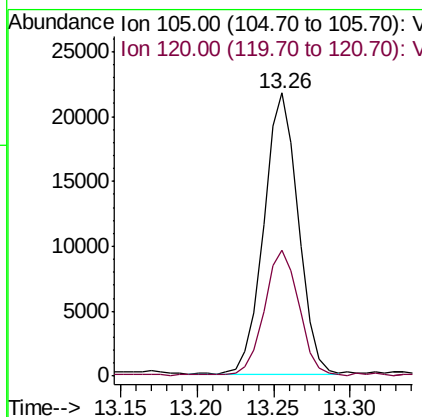
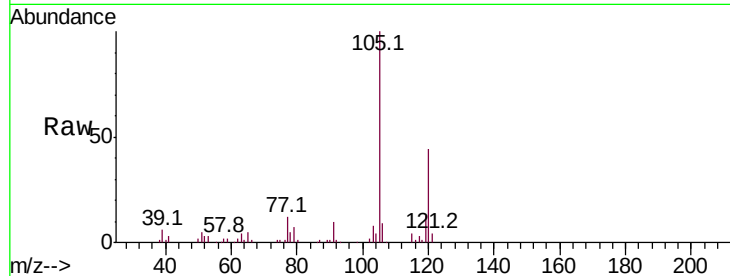




#84
 1,2,4-Trimethylbenzene
 Concen: 25849.176 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007765.D
 Acq: 20 Dec 2018 23:10

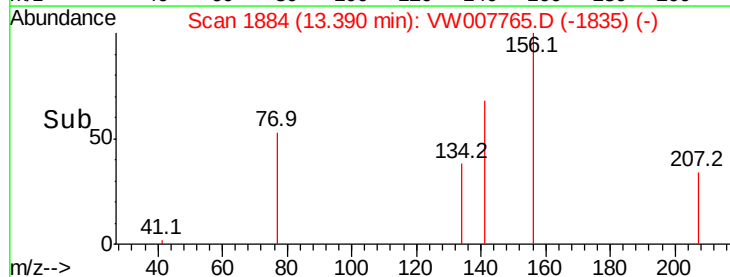
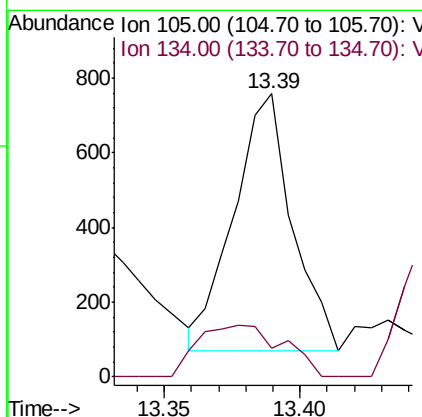
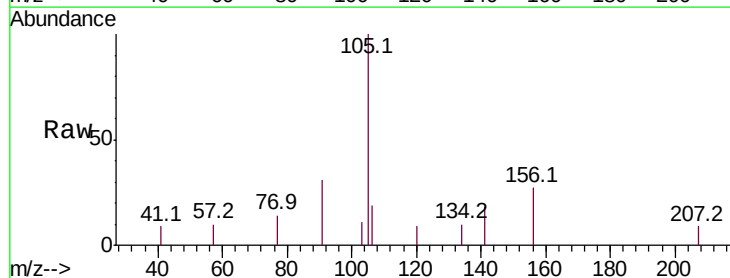
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB102-121118-(13-15)RE

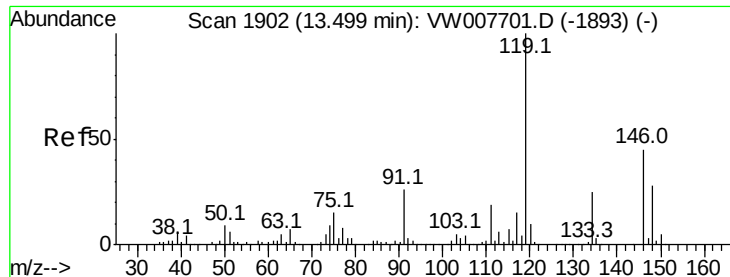
Tot Ion:105 Resp: 34013
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 651.286 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007765.D
 Acq: 20 Dec 2018 23:10

Tgt Ion:105 Resp: 1027
 Ion Ratio Lower Upper
 105 100
 134 29.6 10.2 30.4

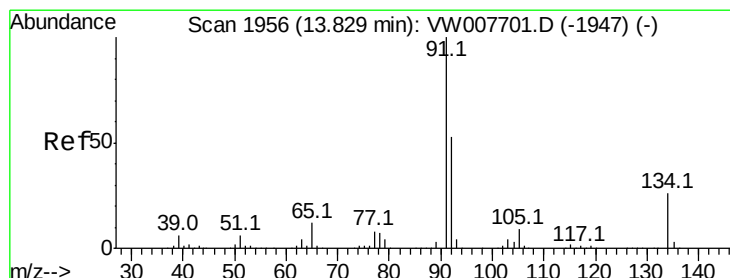
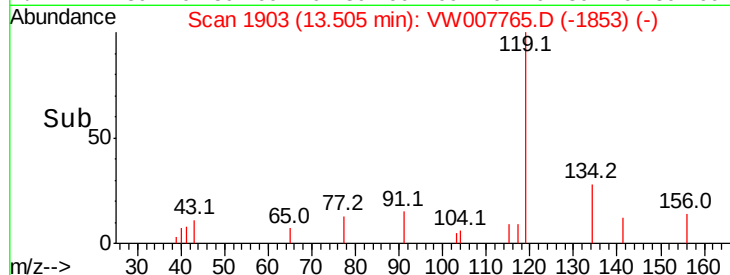
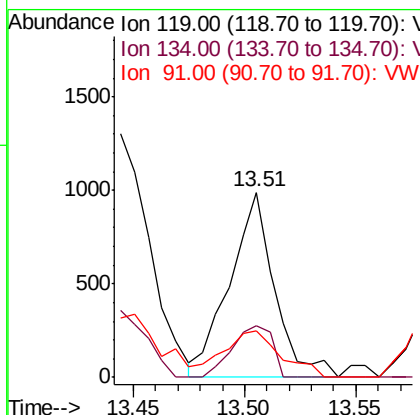
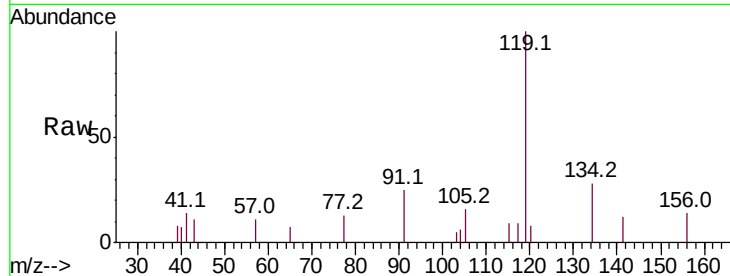




#86
 p-Isopropyltoluene
 Concen: 971.491 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007765.D
 Acq: 20 Dec 2018 23:10

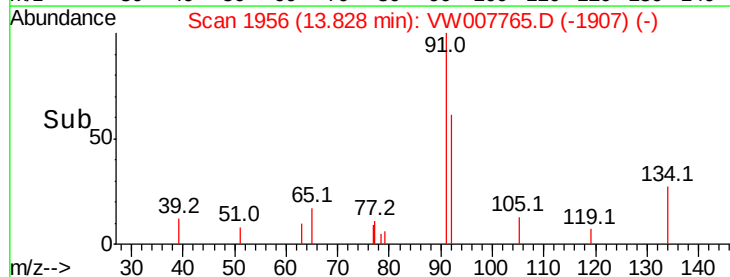
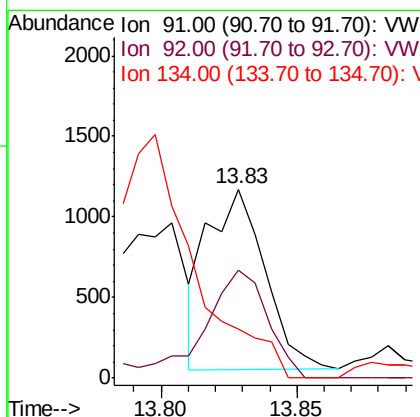
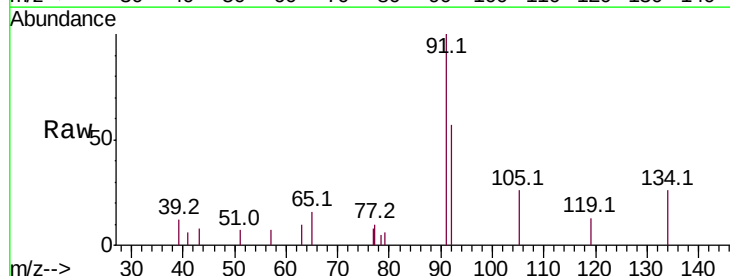
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB102-121118-(13-15)RE

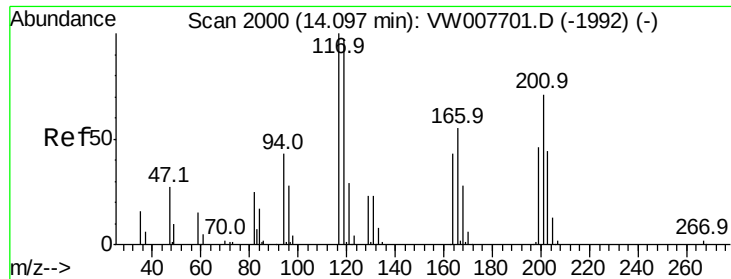
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	13.0	39.0
91	32.6	12.8	38.4



#89
 n-Butylbenzene
 Concen: 1242.120 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW007765.D
 Acq: 20 Dec 2018 23:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.8	26.4	79.2
134	0.0	13.7	41.0#





#90

Hexachloroethane

Concen: 3662.612 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007765.D

Acq: 20 Dec 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

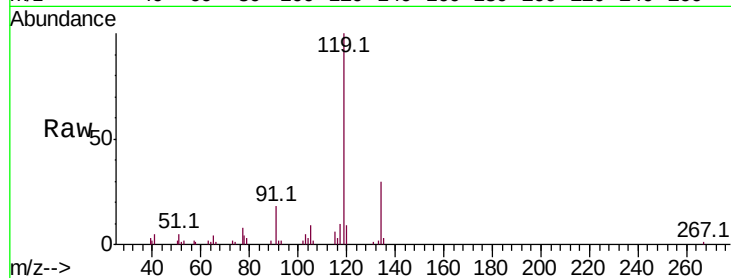
KY001SB102-121118-(13-15)RE

Tot Ion:117 Resp: 922

Ion Ratio Lower Upper

117 100

201 0.0 36.2 108.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.10

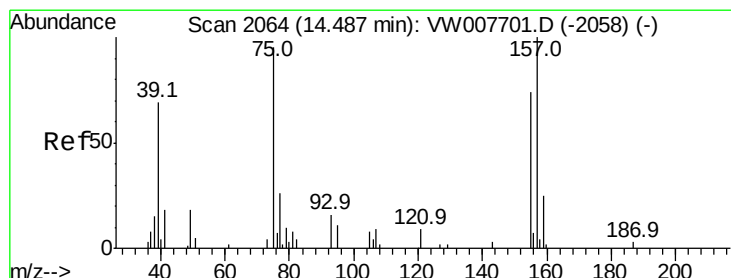
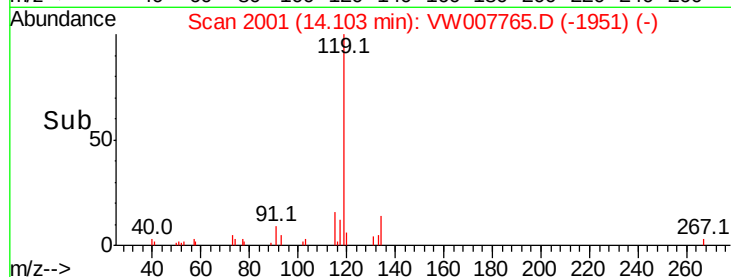
600

400

200

0

Time--> 14.05 14.10



#92

1,2-Dibromo-3-Chloropropane

Concen: 1224.513 ug/l

RT: 14.70 min Scan# 2099

Delta R.T. 0.21 min

Lab File: VW007765.D

Acq: 20 Dec 2018 23:10

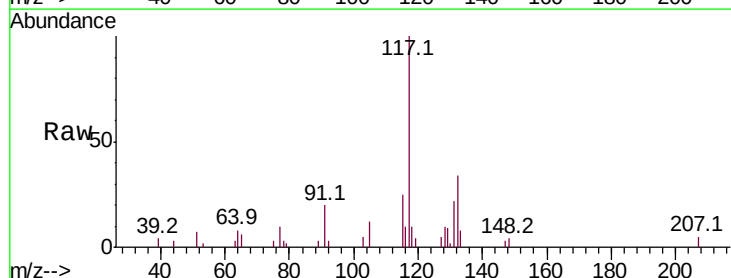
Tgt Ion: 75 Resp: 57

Ion Ratio Lower Upper

75 100

155 0.0 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

100

80

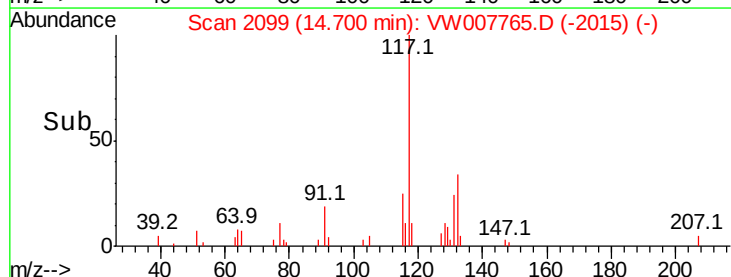
60

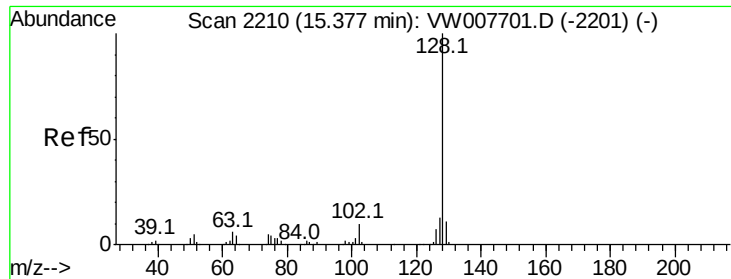
40

20

0

Time--> 14.68 14.70 14.72





#95

Naphthalene

Concen: 23514.023 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007765.D

Acq: 20 Dec 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(13-15)RE

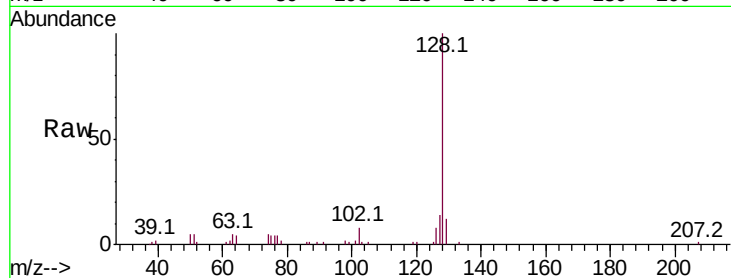
Tot Ion:128 Resp: 18586

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

129 11.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

