

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122218\
 Data File : VW007764.D
 Acq On : 20 Dec 2018 22:44
 Operator : SY/AP
 Sample : J6392-02RE
 Misc : 6.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB102-121118-(7-9)-FDRE

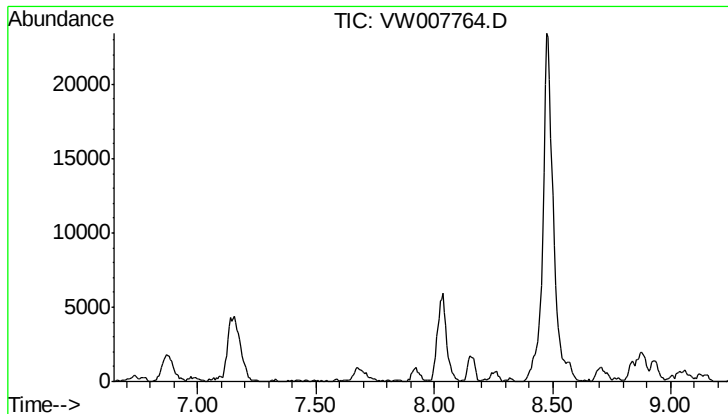
Quant Time: Dec 21 03:57:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

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	13.57	152	63	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.46	65	56	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	10.54	98	252	0.00	ug/l	0.22
Spiked Amount 50.000			Recovery =	0.00%		
62) 4-Bromofluorobenzene	12.63	95	51	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	5865	1231.600	ug/l	95
74) N-amyl acetate	12.25	43	474	574.640	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.68	83	27	37.815	ug/l #	26
76) 1,2,3-Trichloropropane	12.81	75	50	102.684	ug/l #	100
77) Bromobenzene	12.91	156	2541	2328.301	ug/l #	19
78) n-propylbenzene	12.81	91	12791	2307.434	ug/l	93
79) 2-Chlorotoluene	12.90	91	1688	522.716	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.94	105	16097	3918.784	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.47	75	28	120.703	ug/l #	59
82) 4-Chlorotoluene	12.95	91	1689	491.212	ug/l #	42
83) tert-Butylbenzene	13.26	119	8949	2482.972	ug/l #	75
84) 1,2,4-Trimethylbenzene	13.26	105	67065	16180.321	ug/l	100
85) sec-Butylbenzene	13.26	105	67065	13501.655	ug/l #	56
86) p-Isopropyltoluene	13.51	119	2038	451.213	ug/l	94
89) n-Butylbenzene	13.83	91	3295	795.650	ug/l #	74
90) Hexachloroethane	14.10	117	1693	2135.042	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.46	75	132	900.227	ug/l #	3
95) Naphthalene	15.37	128	35393	14215.032	ug/l	98

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



#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.95 min

Lab File: VW007764.D

Acq: 20 Dec 2018 22:44

Tgt Ion: 168

Sig Exp Ratio

168 100

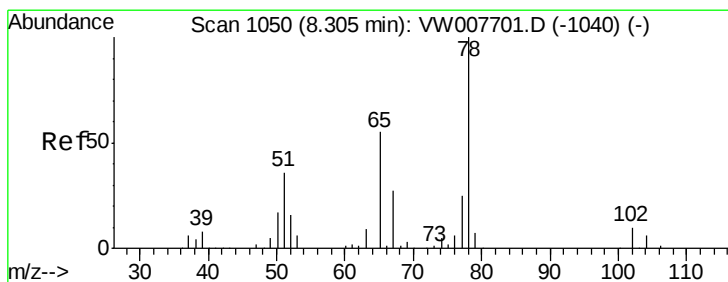
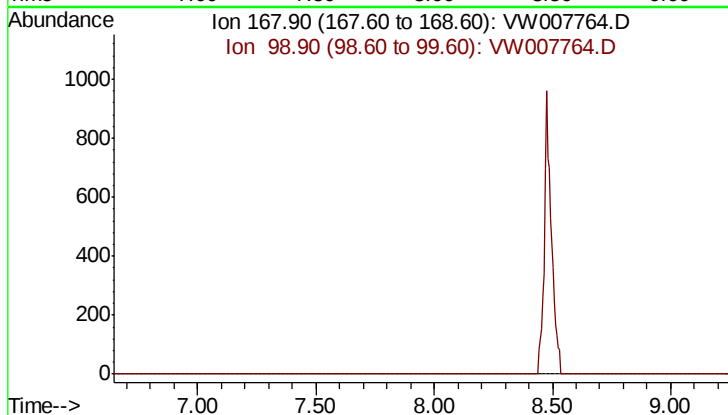
99 67.5

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(7-9)-FDRE



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 8.46 min Scan# 1075

Delta R.T. 0.15 min

Lab File: VW007764.D

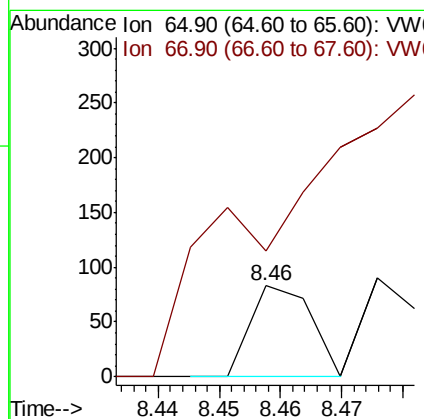
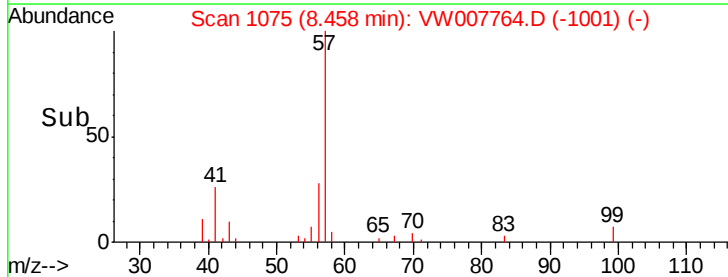
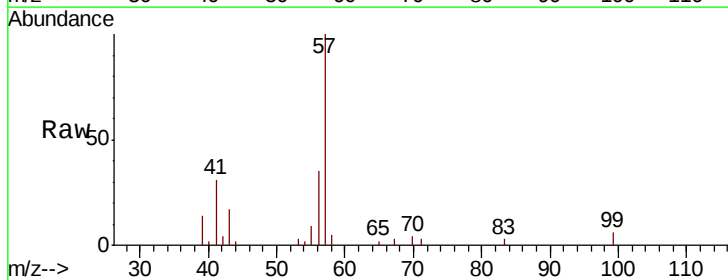
Acq: 20 Dec 2018 22:44

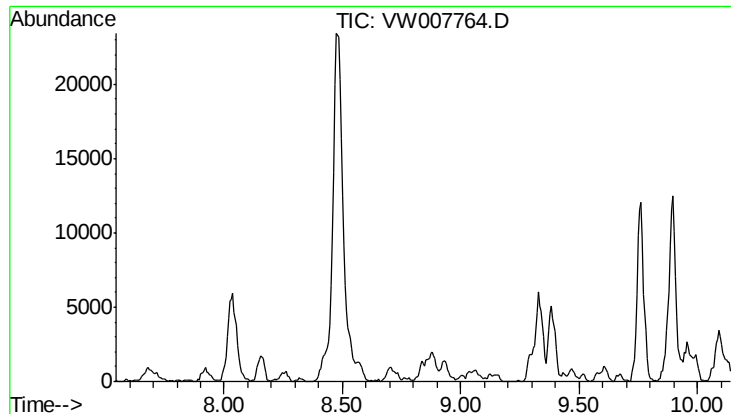
Tgt Ion: 65 Resp: 56

Ion Ratio Lower Upper

65 100

67 0.0 0.0 100.6





#34

1,4-Difluorobenzene

Concen: 0.000 ug/l

Expected RT: 8.84 min

Lab File: VW007764.D

Acq: 20 Dec 2018 22:44

Tgt Ion: 114

Sig Exp Ratio

114 100

63 20.0

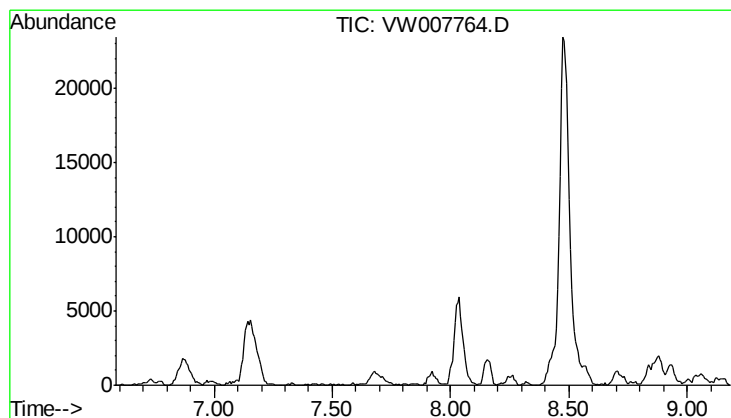
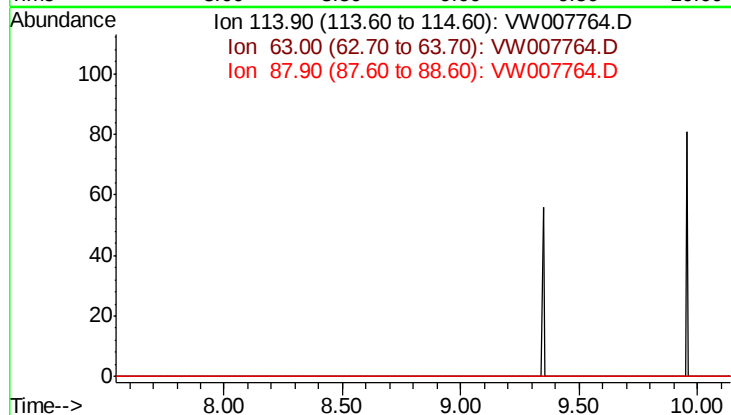
88 16.3

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(7-9)-FDRE



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.88 min

Lab File: VW007764.D

Acq: 20 Dec 2018 22:44

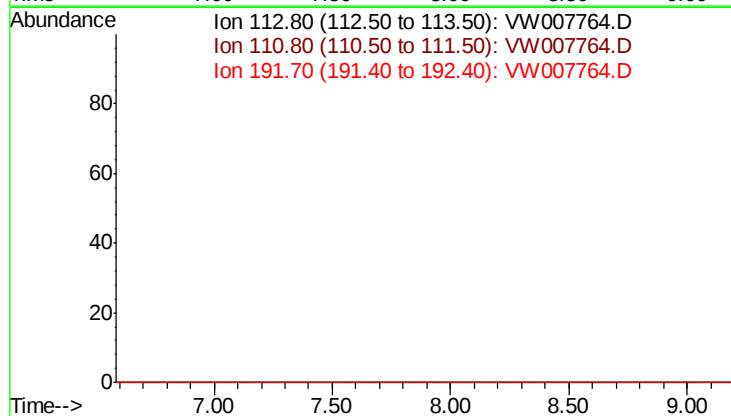
Tgt Ion: 113

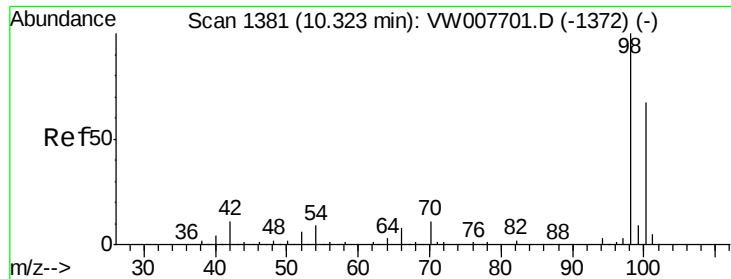
Sig Exp Ratio

113 100

111 103.3

192 19.4

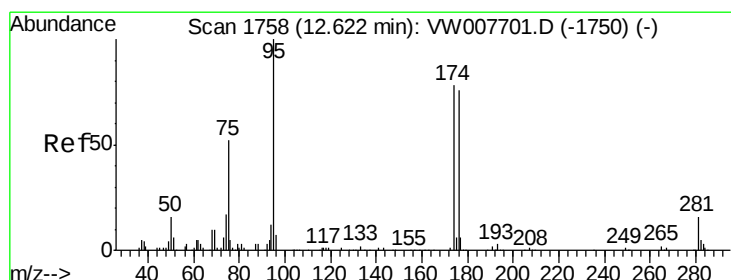
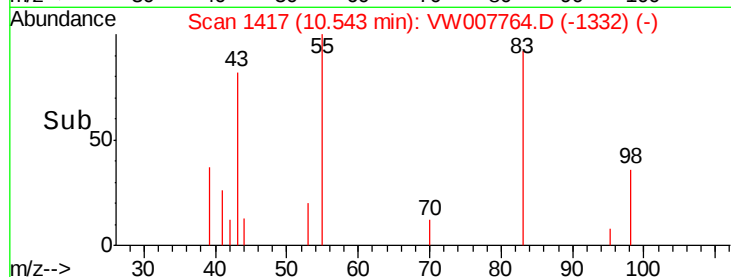
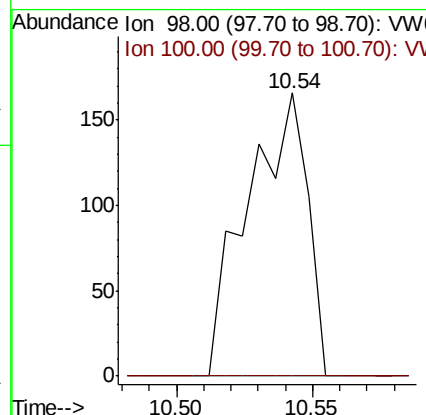
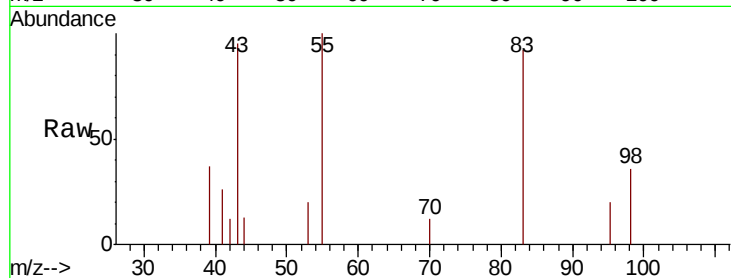




#50
Toluene-d8
Concen: 0.000 ug/l
RT: 10.54 min Scan# 1417
Delta R.T. 0.22 min
Lab File: VW007764.D
Acq: 20 Dec 2018 22:44

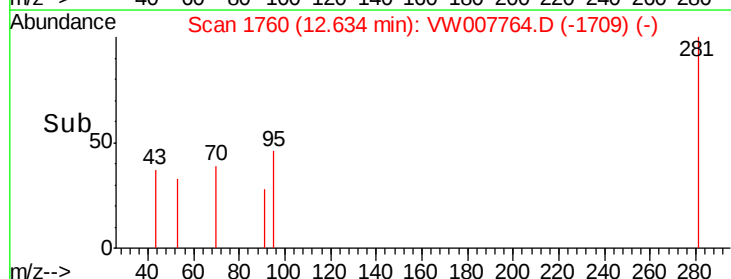
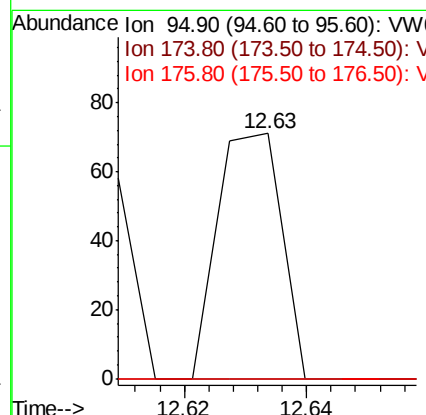
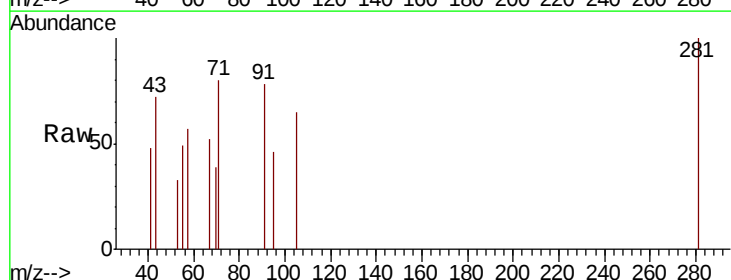
Instrument :
MSVOA_W
ClientSampleId :
KY001SB102-121118-(7-9)-FDRE

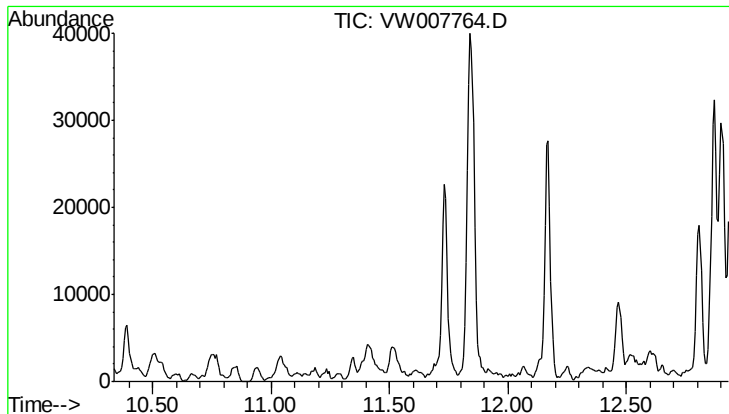
Tgt Ion: 98 Resp: 252
Ion Ratio Lower Upper
98 100
100 0.0 52.2 78.2#



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.63 min Scan# 1760
Delta R.T. 0.01 min
Lab File: VW007764.D
Acq: 20 Dec 2018 22:44

Tgt Ion: 95 Resp: 51
Ion Ratio Lower Upper
95 100
174 0.0 0.0 152.2
176 0.0 0.0 146.8



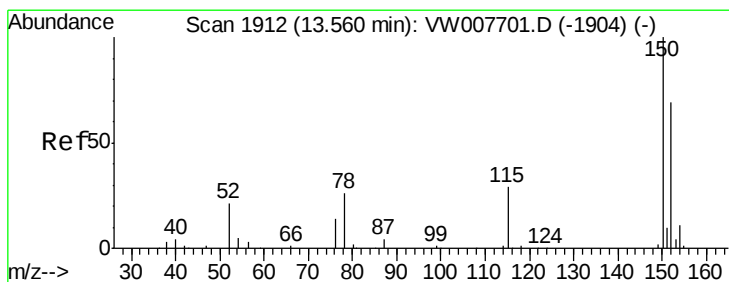
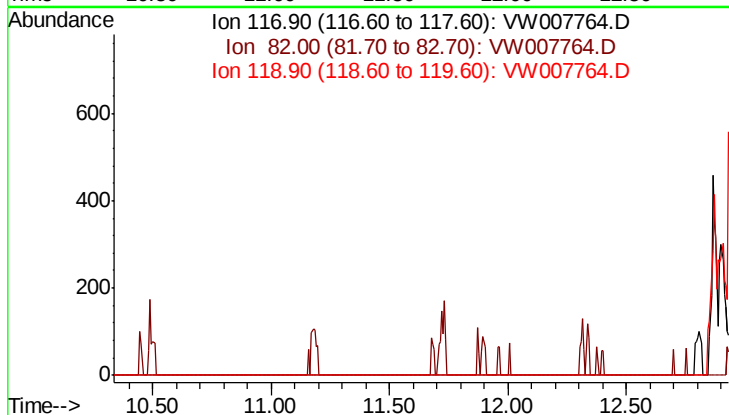


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.63 min

Lab File: VW007764.D
Acq: 20 Dec 2018 22:44

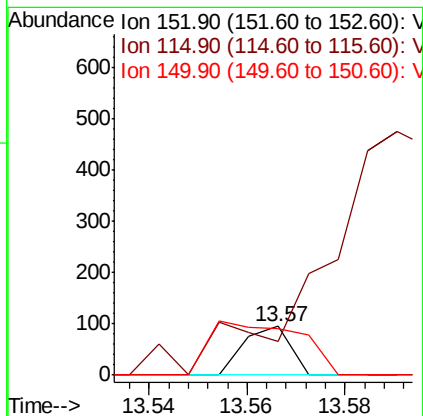
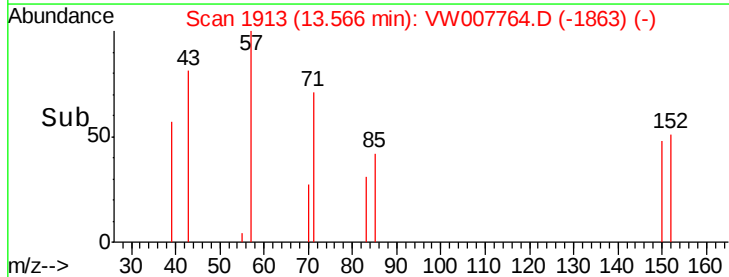
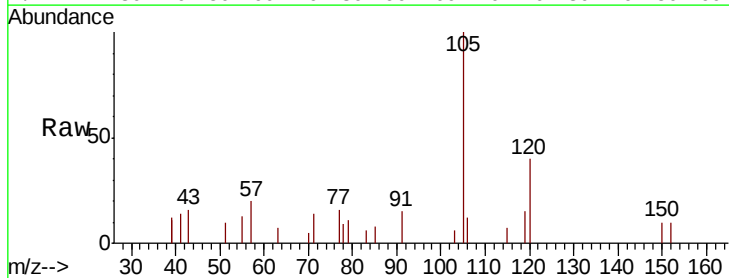
Instrument :
MSVOA_W
ClientSampleId :
KY001SB102-121118-(7-9)-FDRE

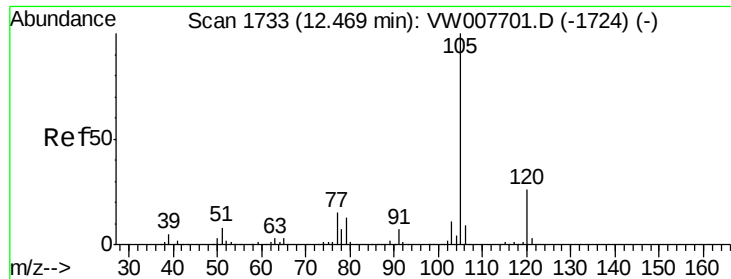
Tgt Ion: 117
Sig Exp Ratio
117 100
82 55.4
119 32.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007764.D
Acq: 20 Dec 2018 22:44

Tgt Ion: 152 Resp: 63
Ion Ratio Lower Upper
152 100
115 0.0 31.8 95.4#
150 212.7 0.0 350.8





#73

Isopropylbenzene

Concen: 1231.600 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007764.D

Acq: 20 Dec 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

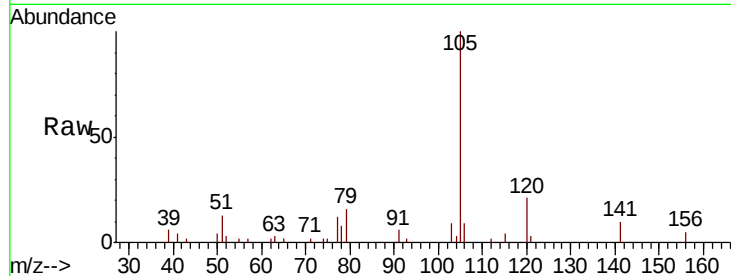
KY001SB102-121118-(7-9)-FDRE

Tgt Ion: 105 Resp: 5865

Ion Ratio Lower Upper

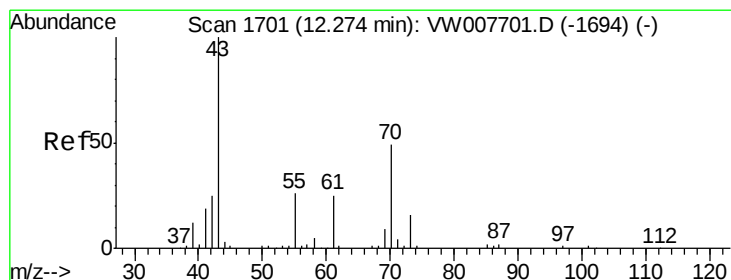
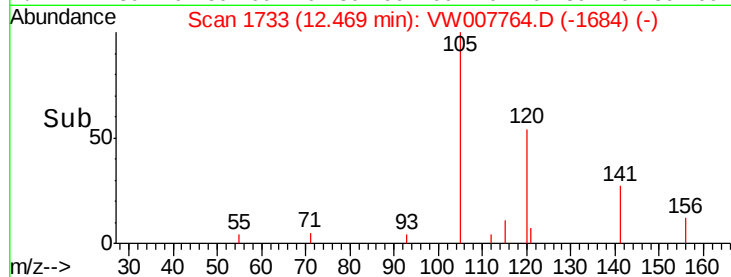
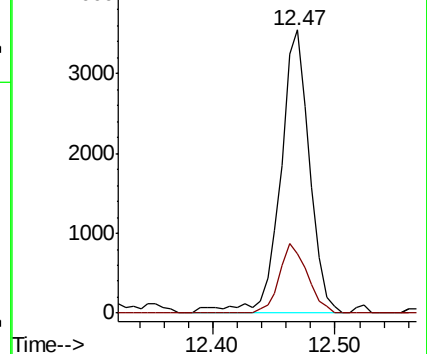
105 100

120 23.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 574.640 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW007764.D

Acq: 20 Dec 2018 22:44

Tgt Ion: 43 Resp: 474

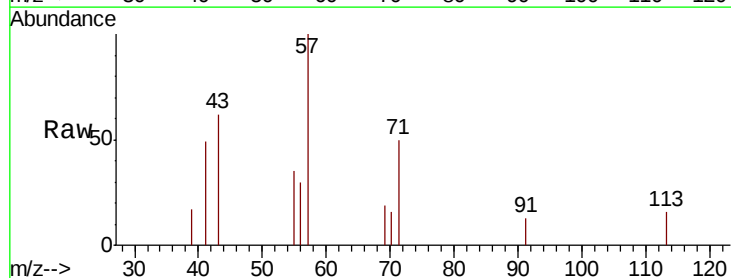
Ion Ratio Lower Upper

43 100

70 9.3 37.6 56.4#

55 12.0 21.7 32.5#

61 0.0 20.1 30.1#

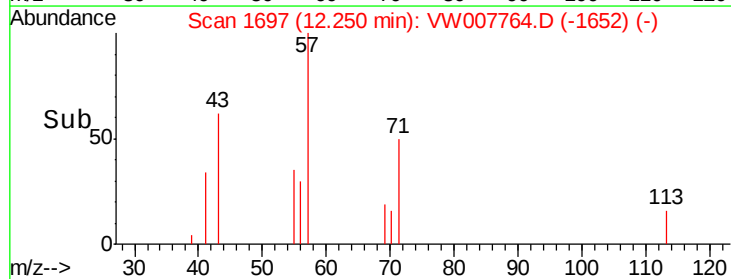
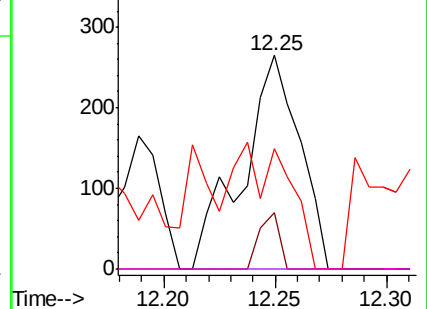


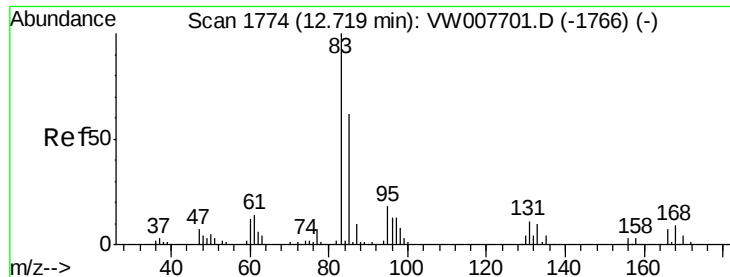
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 37.815 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.04 min

Lab File: VW007764.D

Acq: 20 Dec 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(7-9)-FDRE

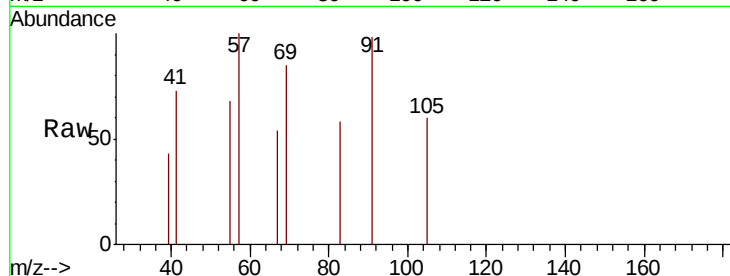
Tgt Ion: 83 Resp: 27

Ion Ratio Lower Upper

83 100

131 0.0 6.3 18.8#

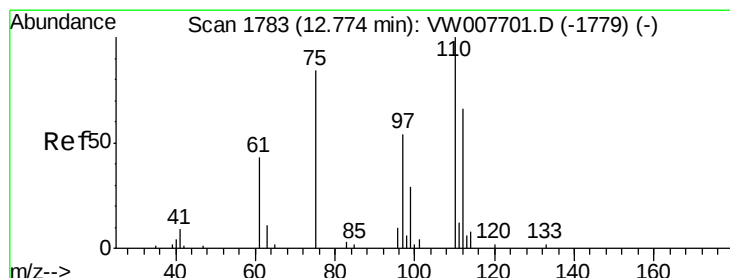
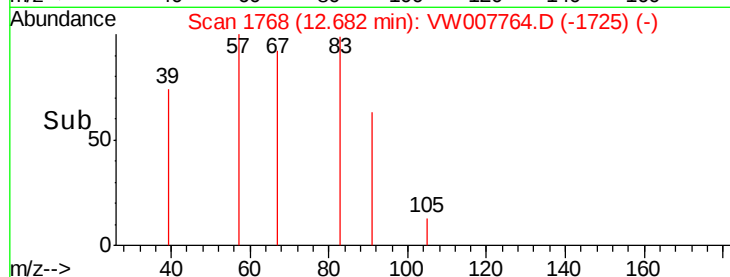
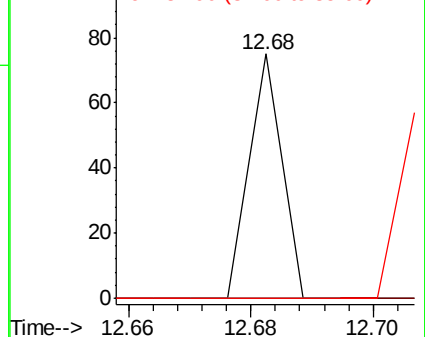
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 102.684 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW007764.D

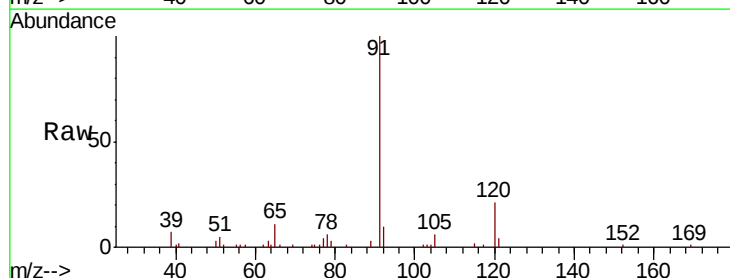
Acq: 20 Dec 2018 22:44

Tgt Ion: 75 Resp: 50

Ion Ratio Lower Upper

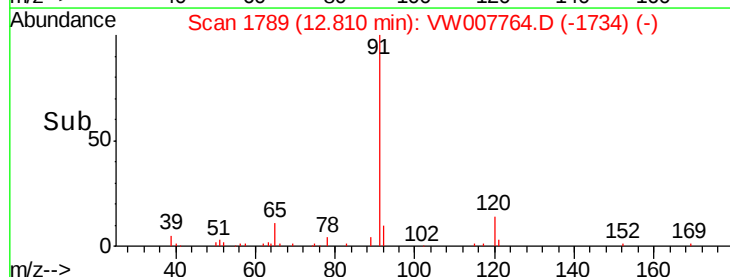
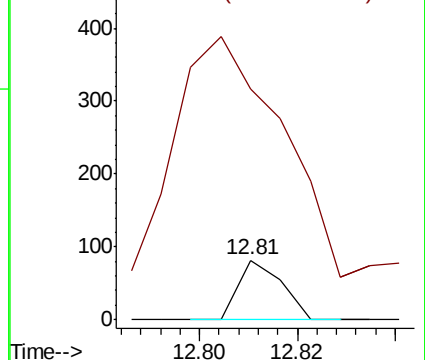
75 100

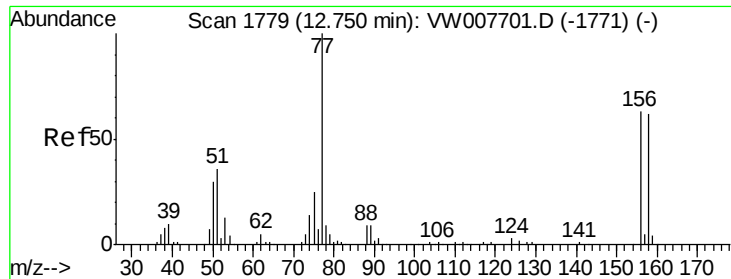
77 1384.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 2328.301 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.16 min

Lab File: VW007764.D

Acq: 20 Dec 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(7-9)-FDRE

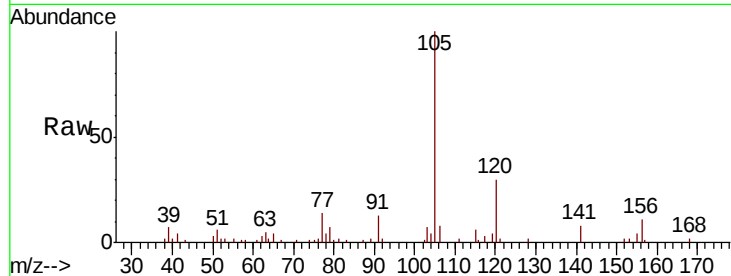
Tgt Ion:156 Resp: 2541

Ion Ratio Lower Upper

156 100

77 74.6 87.4 262.1#

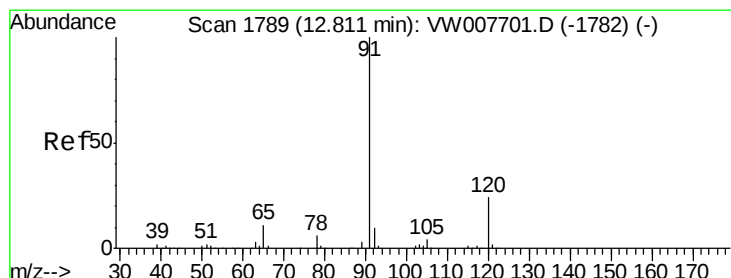
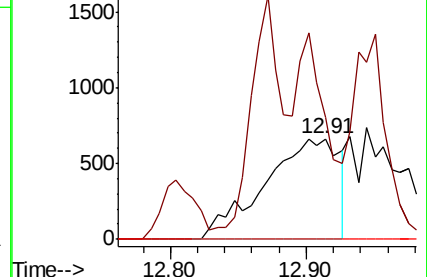
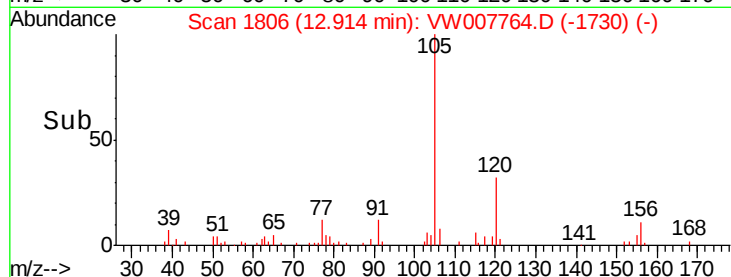
158 0.0 48.4 145.0#



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: 2307.434 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007764.D

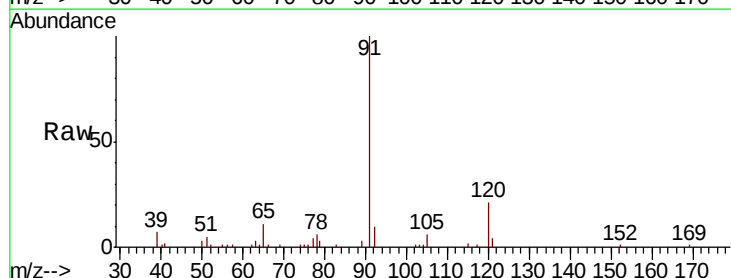
Acq: 20 Dec 2018 22:44

Tgt Ion: 91 Resp: 12791

Ion Ratio Lower Upper

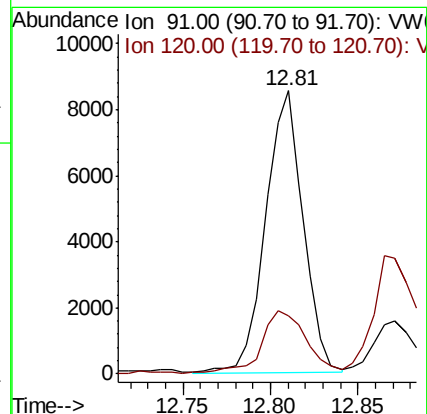
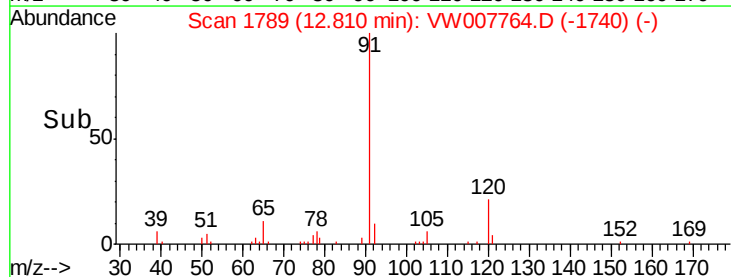
91 100

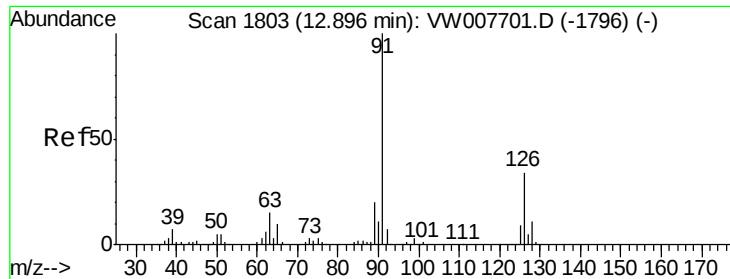
120 27.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

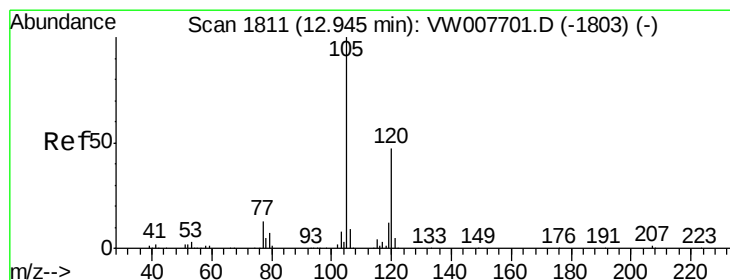
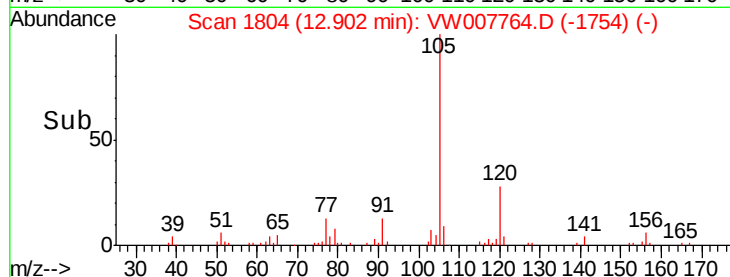
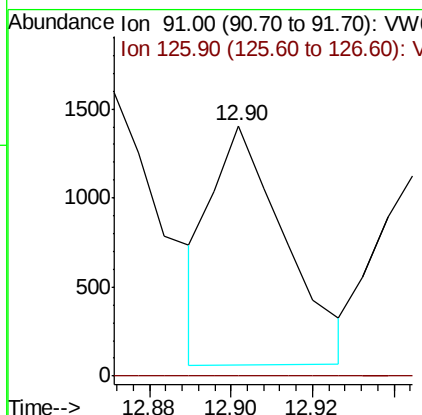
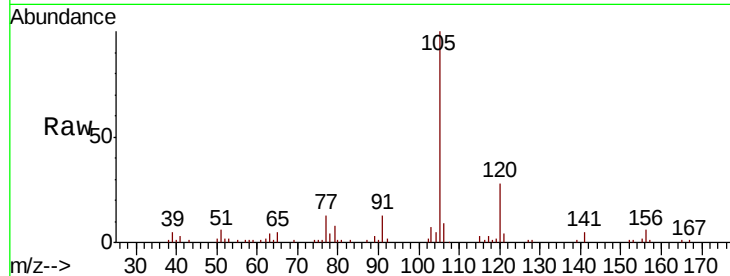




#79
 2-Chlorotoluene
 Concen: 522.716 ug/l
 RT: 12.90 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VW007764.D
 Acq: 20 Dec 2018 22:44

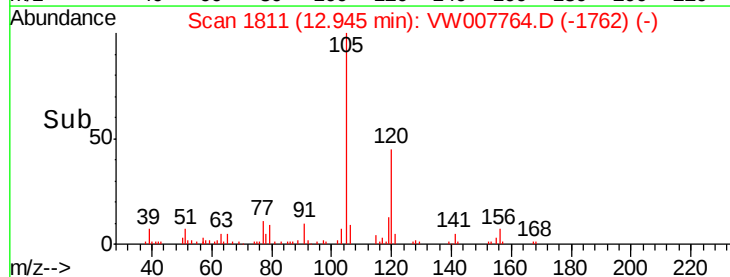
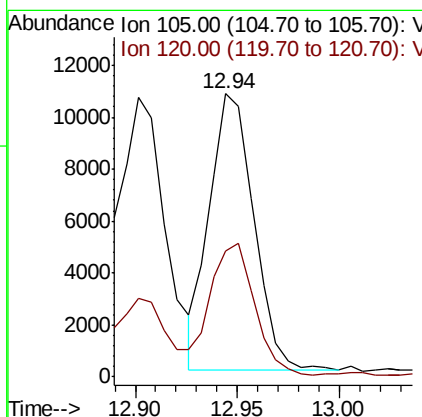
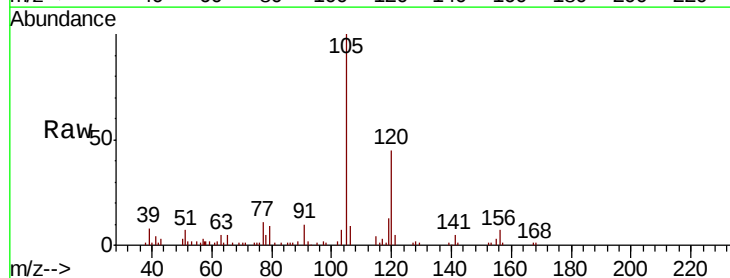
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB102-121118-(7-9)-FDRE

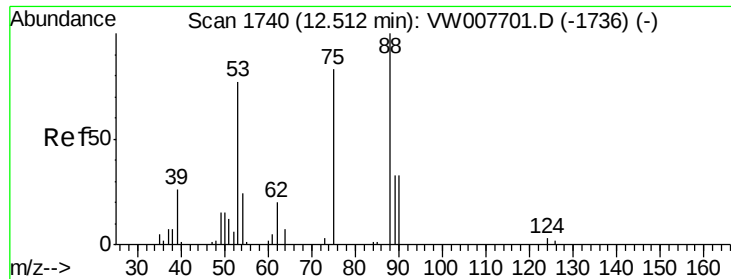
Tgt Ion: 91 Resp: 1688
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.0 51.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 3918.784 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007764.D
 Acq: 20 Dec 2018 22:44

Tgt Ion: 105 Resp: 16097
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.6 70.8

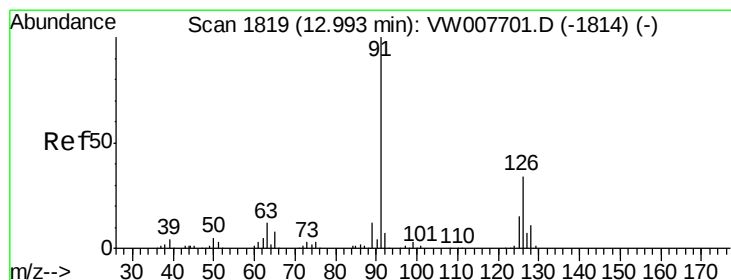
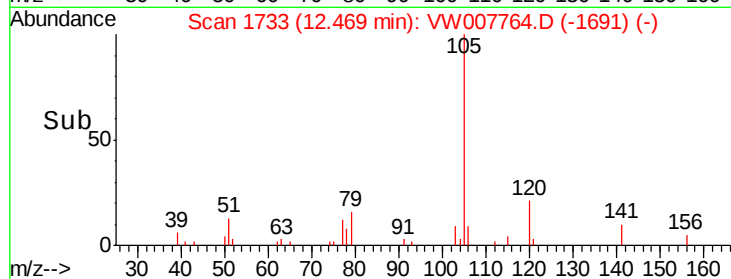
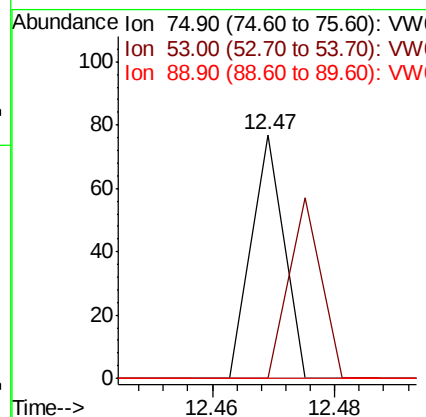
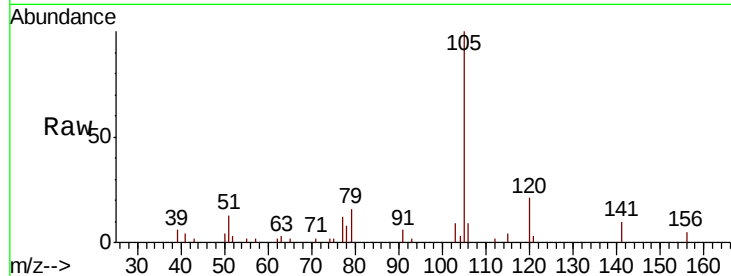




#81
trans-1,4-Dichloro-2-butene
Concen: 120.703 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.04 min
Lab File: VW007764.D
Acq: 20 Dec 2018 22:44

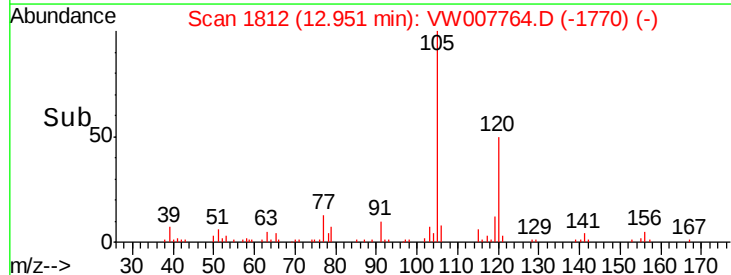
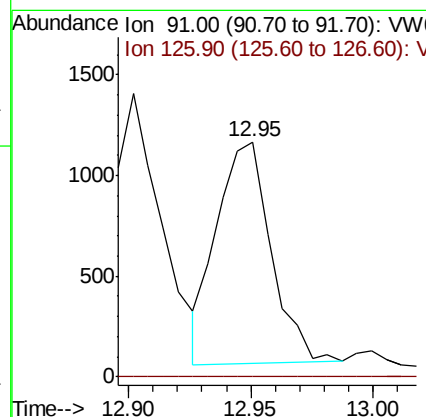
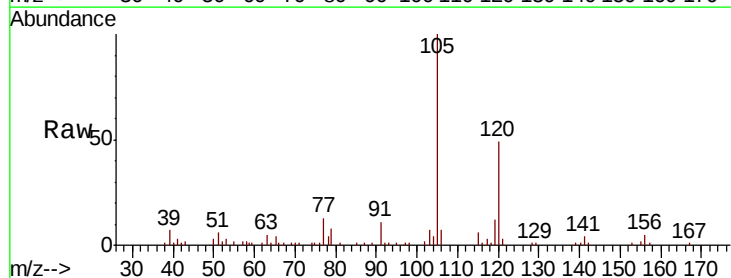
Instrument :
MSVOA_W
ClientSampleId :
KY001SB102-121118-(7-9)-FDRE

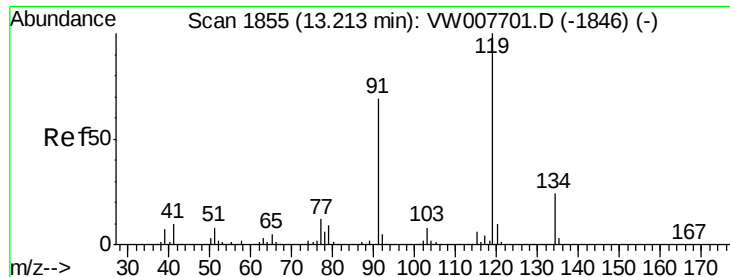
Tgt Ion: 75 Resp: 28
Ion Ratio Lower Upper
75 100
53 75.0 80.2 120.2#
89 0.0 39.2 58.8#



#82
4-Chlorotoluene
Concen: 491.212 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. -0.04 min
Lab File: VW007764.D
Acq: 20 Dec 2018 22:44

Tgt Ion: 91 Resp: 1689
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#

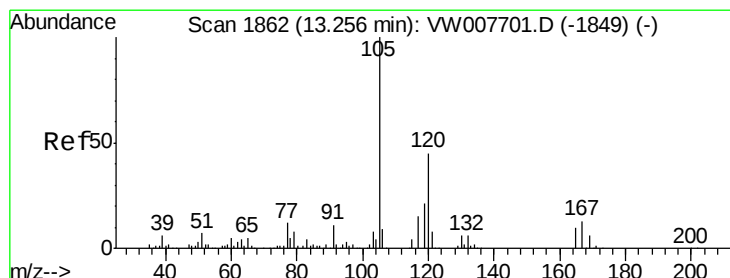
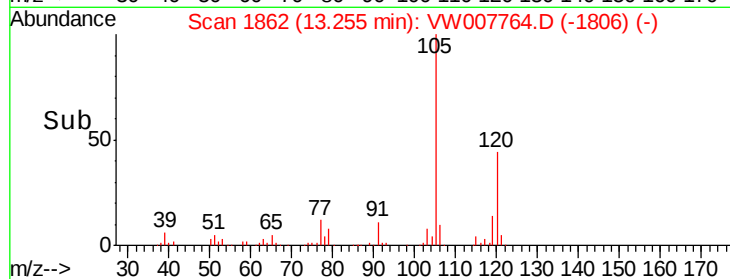
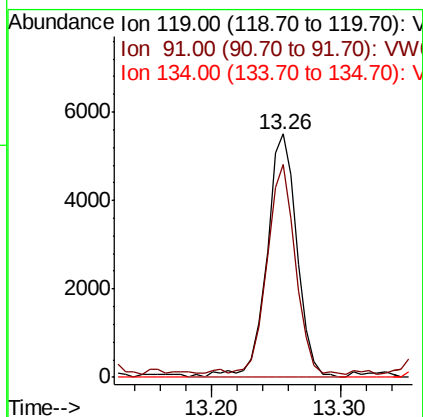
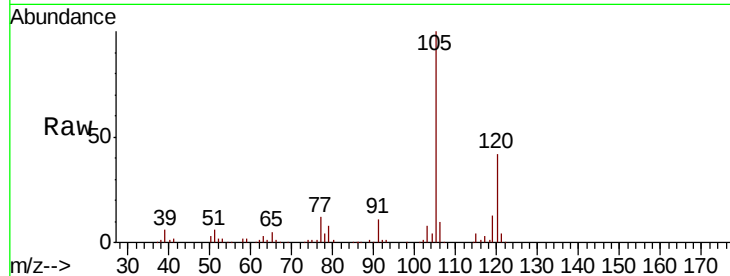




#83
 tert-Butylbenzene
 Concen: 2482.972 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.04 min
 Lab File: VW007764.D
 Acq: 20 Dec 2018 22:44

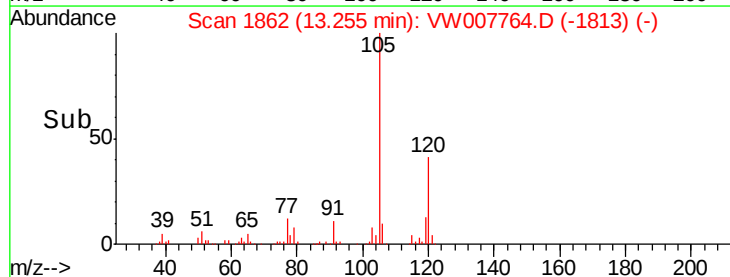
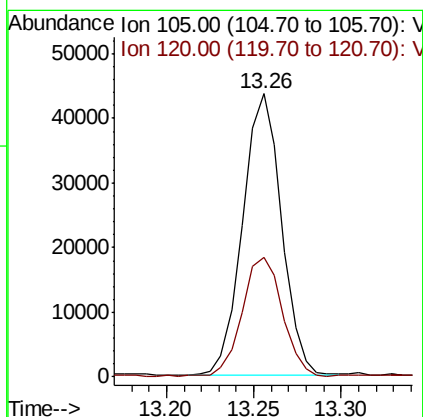
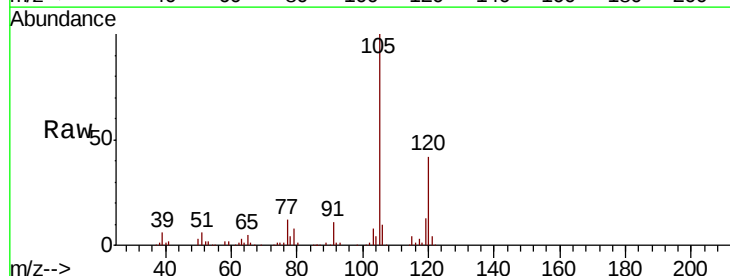
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB102-121118-(7-9)-FDRE

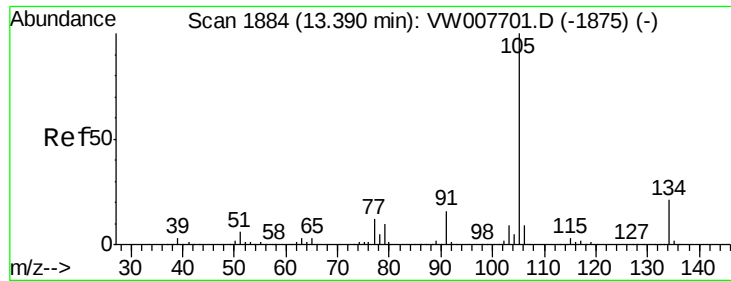
Tgt Ion:119 Resp: 8949
 Ion Ratio Lower Upper
 119 100
 91 80.5 34.2 102.5
 134 0.0 12.8 38.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 16180.321 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007764.D
 Acq: 20 Dec 2018 22:44

Tgt Ion:105 Resp: 67065
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.0 66.0

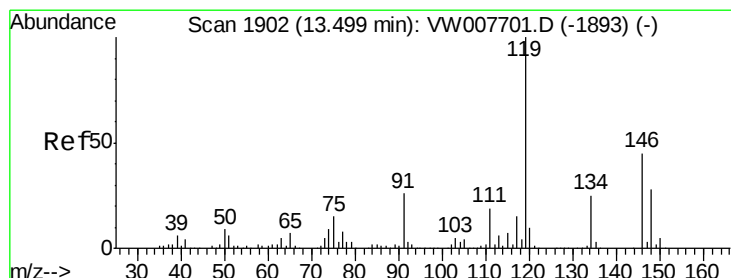
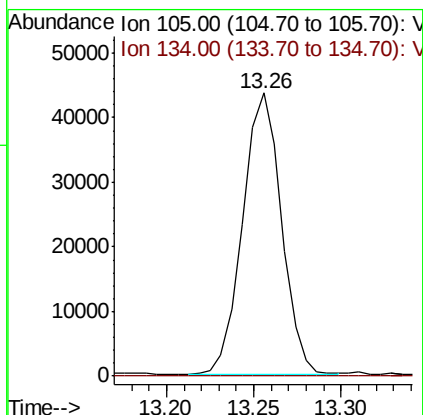
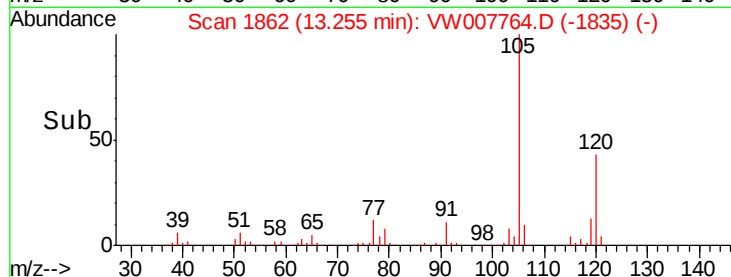
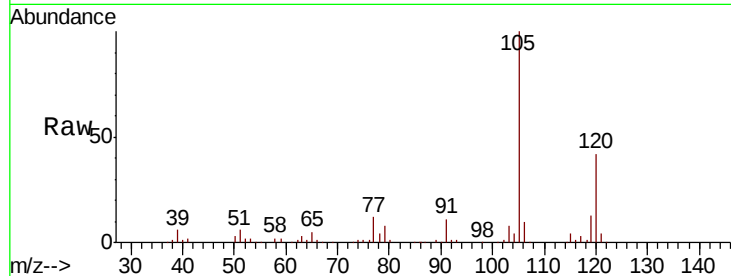




#85
 sec-Butylbenzene
 Concen: 13501.655 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007764.D
 Acq: 20 Dec 2018 22:44

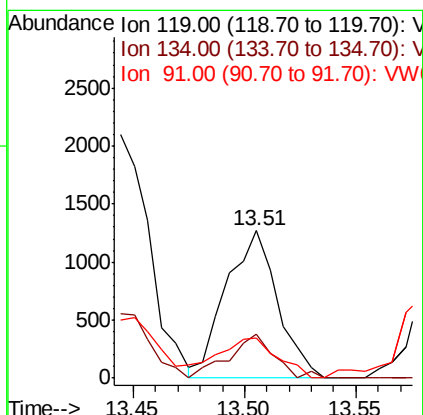
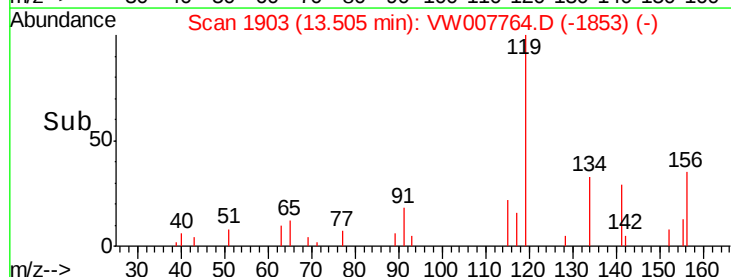
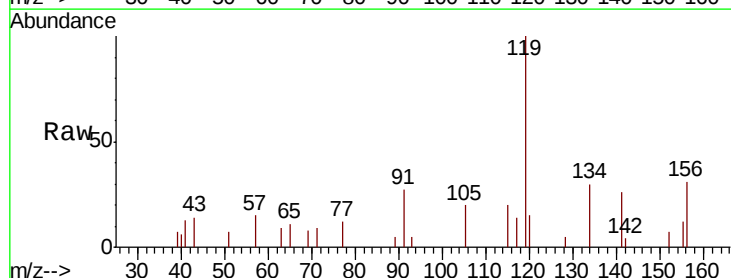
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB102-121118-(7-9)-FDRE

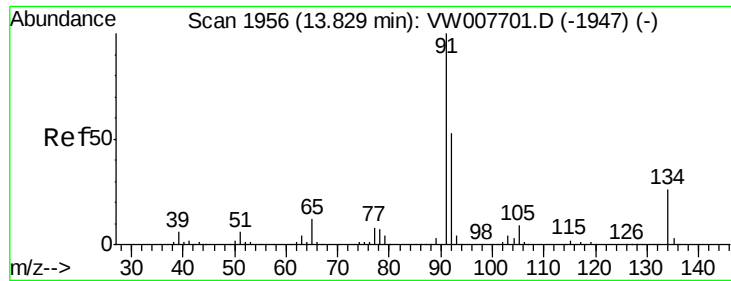
Tgt Ion:105 Resp: 67065
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 451.213 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007764.D
 Acq: 20 Dec 2018 22:44

Tgt Ion:119 Resp: 2038
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.0 39.0
 91 31.1 12.8 38.4





#89

n-Butylbenzene

Concen: 795.650 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007764.D

Acq: 20 Dec 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(7-9)-FDRE

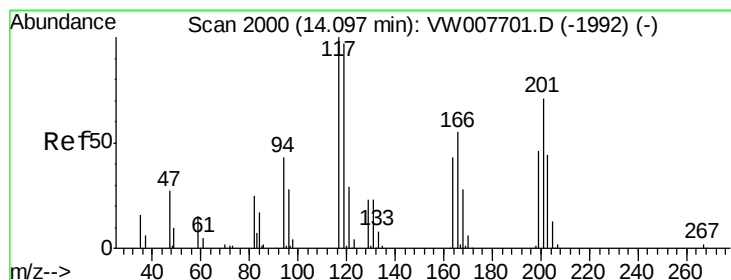
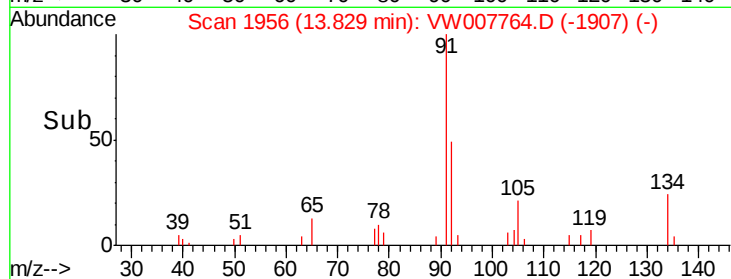
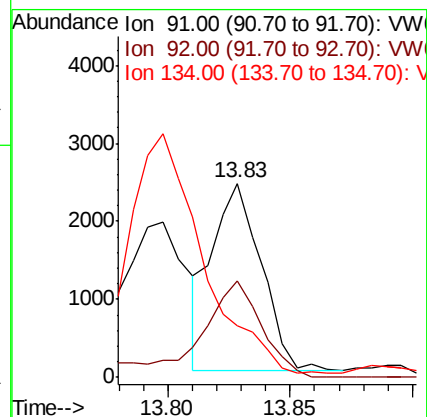
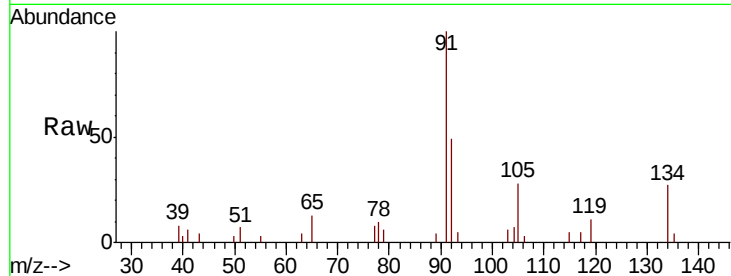
Tgt Ion: 91 Resp: 3295

Ion Ratio Lower Upper

91 100

92 61.1 26.4 79.2

134 0.0 13.7 41.0#



#90

Hexachloroethane

Concen: 2135.042 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007764.D

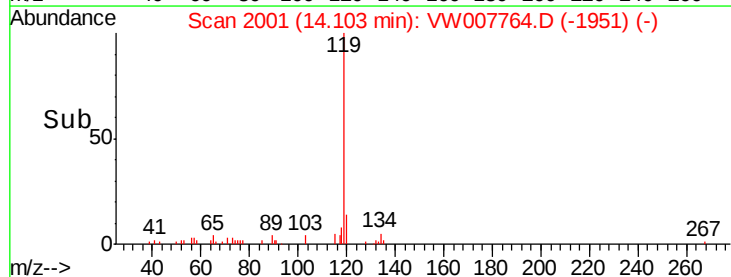
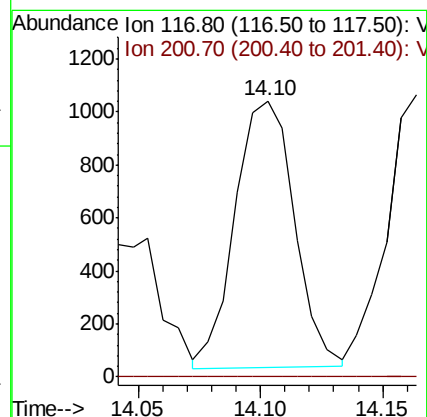
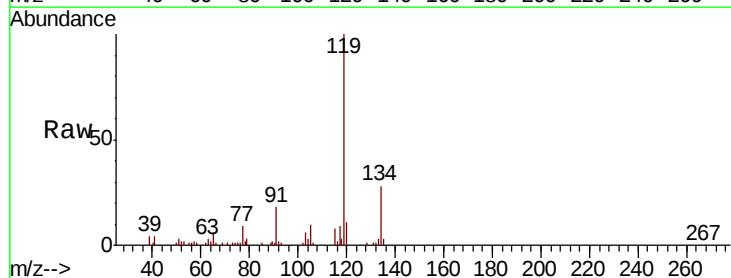
Acq: 20 Dec 2018 22:44

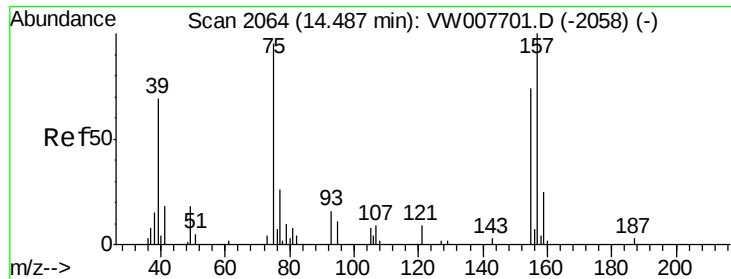
Tgt Ion: 117 Resp: 1693

Ion Ratio Lower Upper

117 100

201 0.0 36.2 108.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 900.227 ug/l

RT: 14.46 min Scan# 2059

Delta R.T. -0.03 min

Lab File: VW007764.D

Acq: 20 Dec 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(7-9)-FDRE

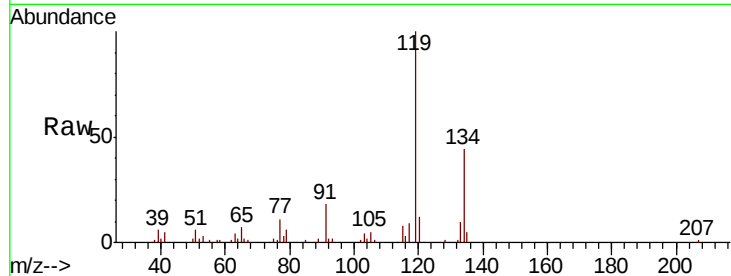
Tgt Ion: 75 Resp: 132

Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.1#

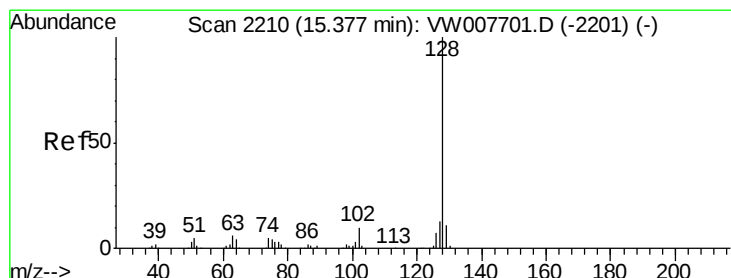
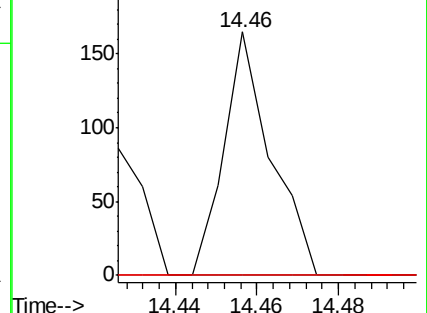
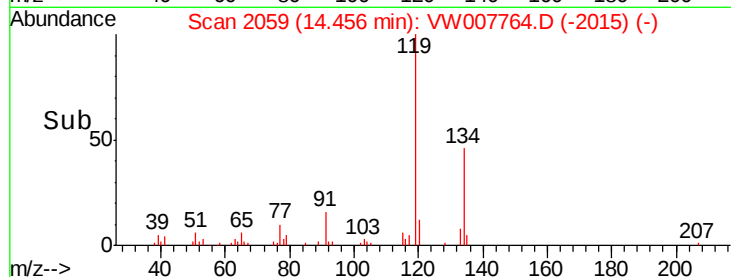
157 0.0 52.0 156.0#



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



#95

Naphthalene

Concen: 14215.032 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007764.D

Acq: 20 Dec 2018 22:44

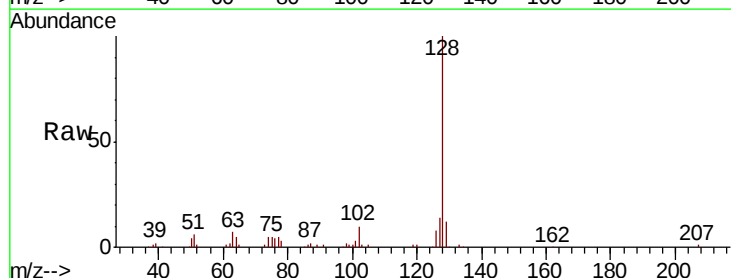
Tgt Ion: 128 Resp: 35393

Ion Ratio Lower Upper

128 100

127 14.3 10.7 16.1

129 11.6 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

