

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007767.D
 Acq On : 21 Dec 2018 00:02
 Operator : SY/AP
 Sample : J6392-05RE
 Misc : 6.55G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(7-9)RE

Quant Time: Dec 21 03:58:22 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	13.54	152	62	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.48	65	1465	0.00	ug/l	0.18
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	10.33	98	185	0.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	0.00%		
62) 4-Bromofluorobenzene	12.61	95	931	0.00	ug/l	-0.01
Spiked Amount 50.000			Recovery =	0.00%		

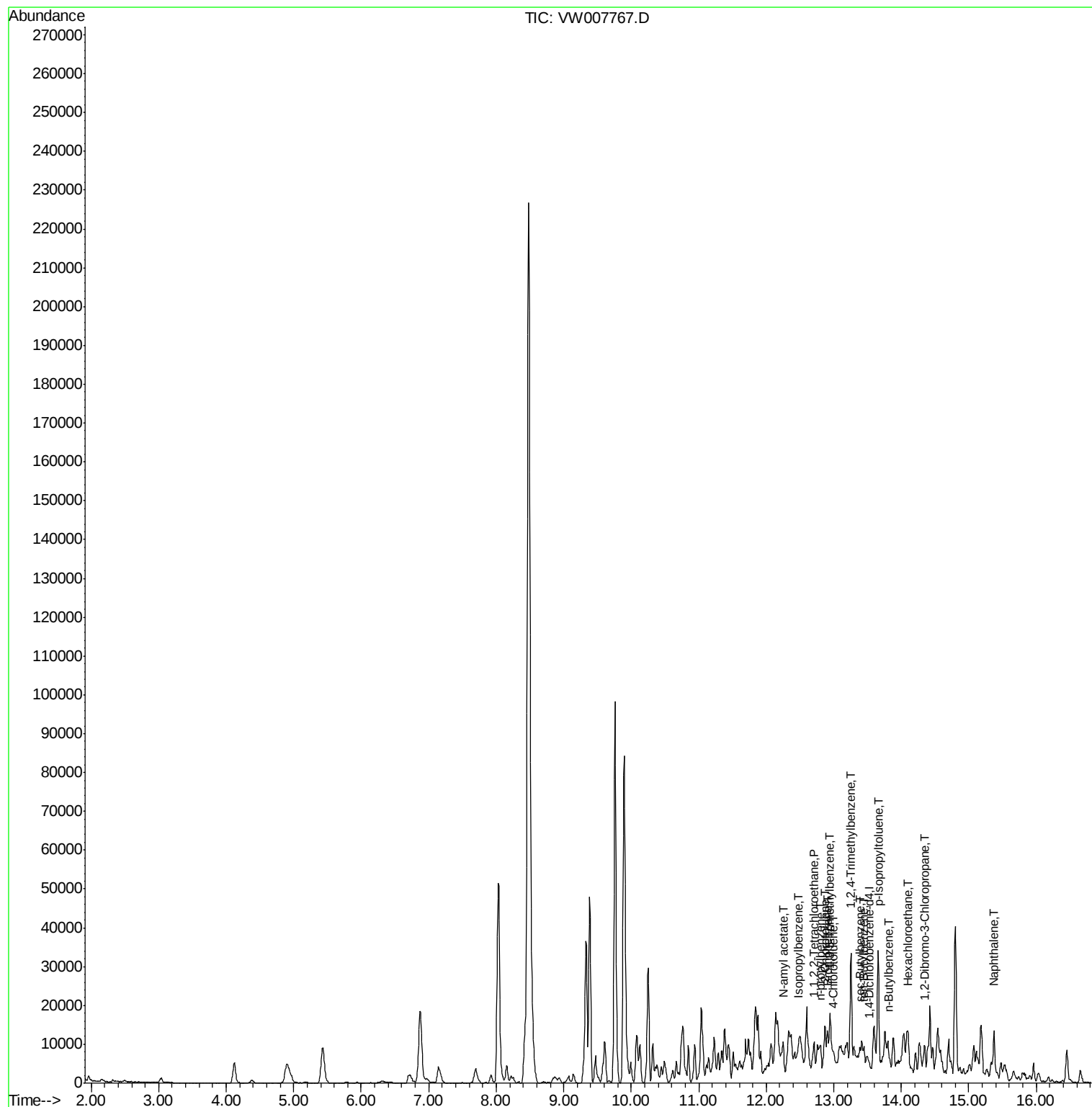
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
73) Isopropylbenzene	12.47	105	1380	294.462	ug/l	95
74) N-amyl acetate	12.26	43	2278	2806.207	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.71	83	345	490.987	ug/l #	1
77) Bromobenzene	12.91	156	81	75.417	ug/l #	1
78) n-propylbenzene	12.81	91	3807	697.841	ug/l	95
79) 2-Chlorotoluene	12.88	91	714	224.667	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.94	105	3367	832.911	ug/l	89
82) 4-Chlorotoluene	13.01	91	152	44.919	ug/l #	42
83) tert-Butylbenzene	13.44	119	894	252.048	ug/l	91
84) 1,2,4-Trimethylbenzene	13.26	105	15753	3861.921	ug/l	97
85) sec-Butylbenzene	13.38	105	1806	369.452	ug/l #	71
86) p-Isopropyltoluene	13.66	119	15378	3459.600	ug/l	98
89) n-Butylbenzene	13.82	91	1692	415.160	ug/l #	62
90) Hexachloroethane	14.10	117	429	549.738	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.34	75	60	415.794	ug/l #	3
95) Naphthalene	15.37	128	10687	4361.493	ug/l	98

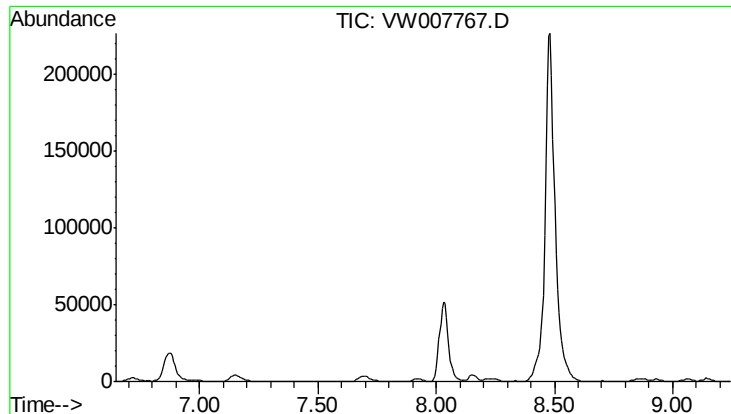
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.95 min

Lab File: VW007767.D

Acq: 21 Dec 2018 00:02

Tot Ion: 168

Sig Exp Ratio

168 100

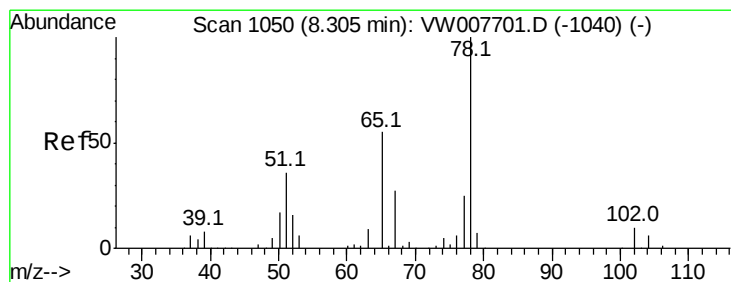
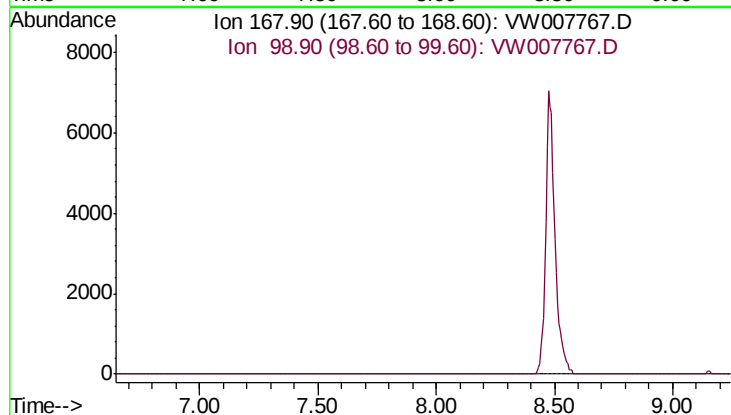
99 67.5

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(7-9)RE



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 8.48 min Scan# 1079

Delta R.T. 0.18 min

Lab File: VW007767.D

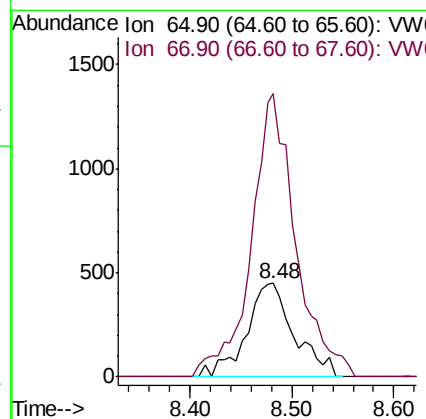
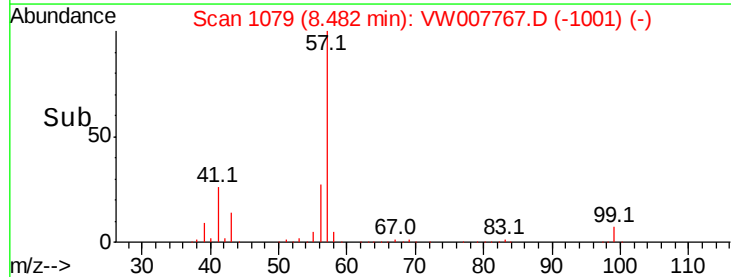
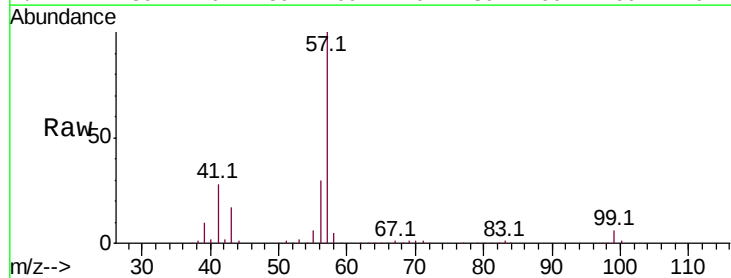
Acq: 21 Dec 2018 00:02

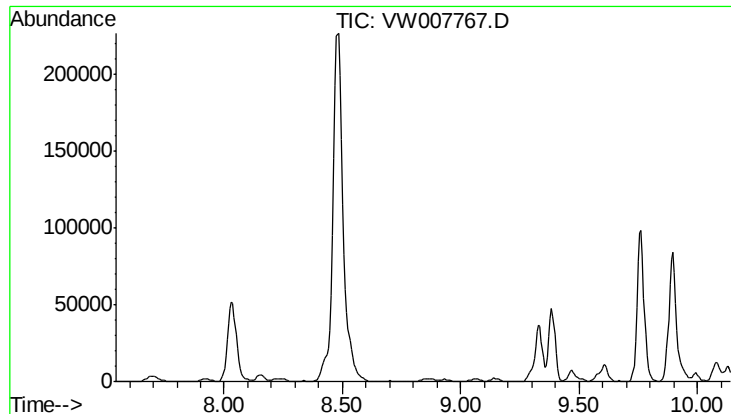
Tgt Ion: 65 Resp: 1465

Ion Ratio Lower Upper

65 100

67 281.2 0.0 100.6#





#34

1,4-Difluorobenzene

Concen: 0.000 ug/l

Expected RT: 8.84 min

Lab File: VW007767.D

Acq: 21 Dec 2018 00:02

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(7-9)RE

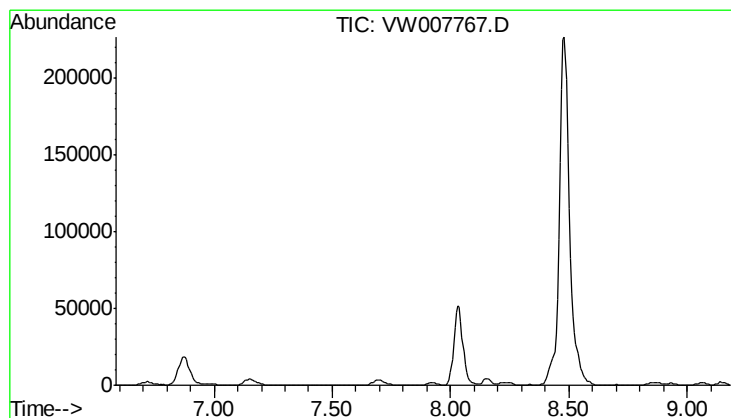
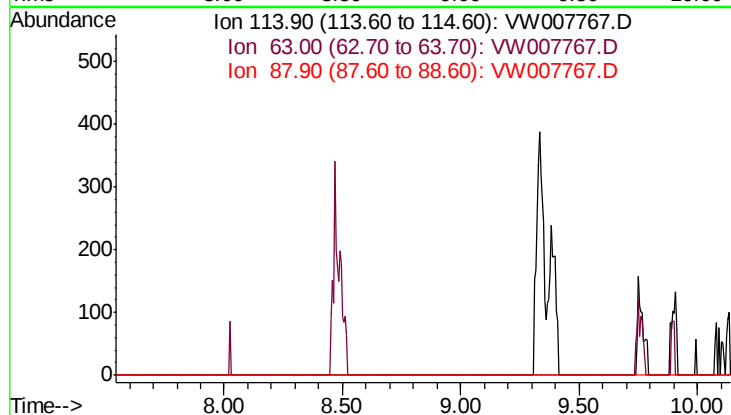
Tot Ion: 114

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: VW007767.D

Acq: 21 Dec 2018 00:02

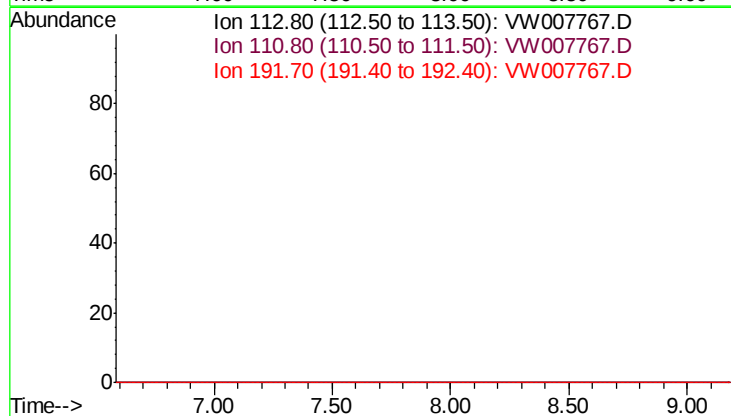
Tgt Ion: 113

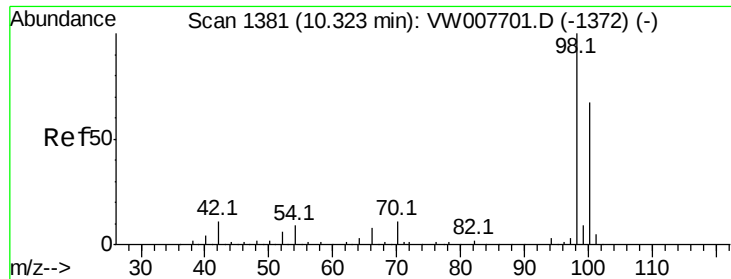
Sig Exp Ratio

113 100

111 103.3

192 19.4





#50

Toluene-d8

Concen: 0.000 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW007767.D

Acq: 21 Dec 2018 00:02

Instrument :

MSVOA_W

ClientSampleId :

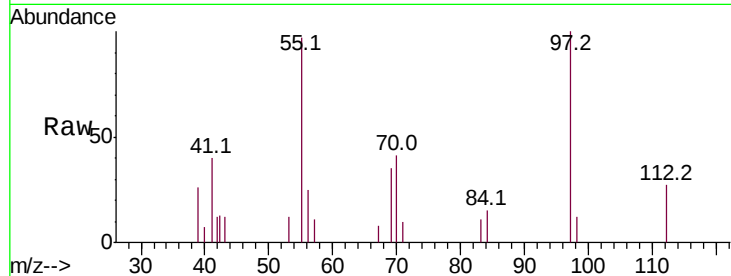
KY001SB103-121118-(7-9)RE

Tot Ion: 98 Resp: 185

Ion Ratio Lower Upper

98 100

100 0.0 52.2 78.2#



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

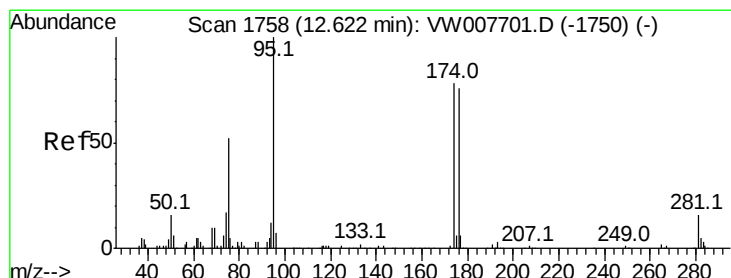
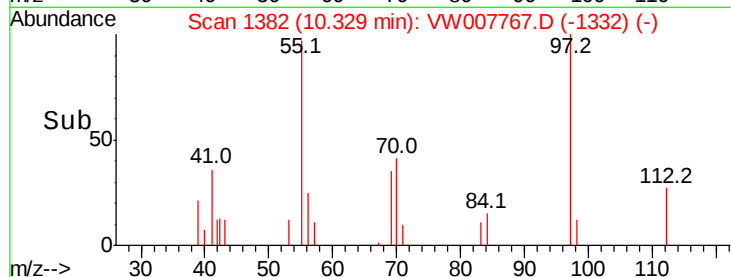
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

RT: 12.61 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VW007767.D

Acq: 21 Dec 2018 00:02

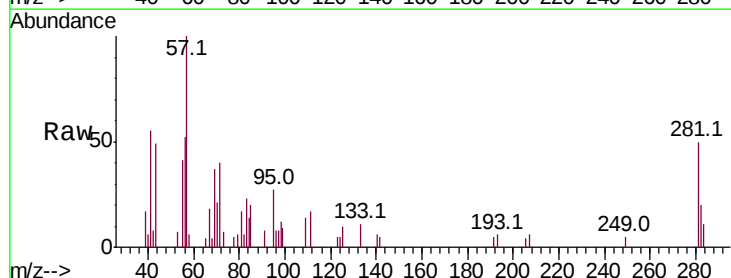
Tgt Ion: 95 Resp: 931

Ion Ratio Lower Upper

95 100

174 0.0 0.0 152.2

176 0.0 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

600

500

400

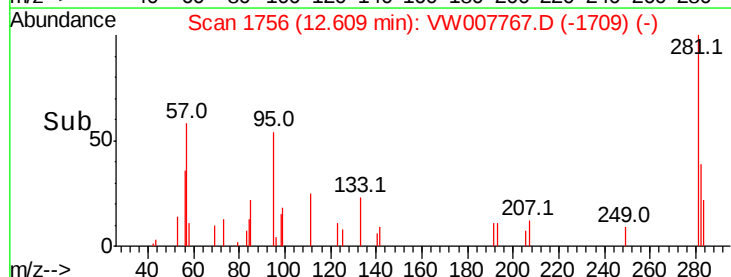
300

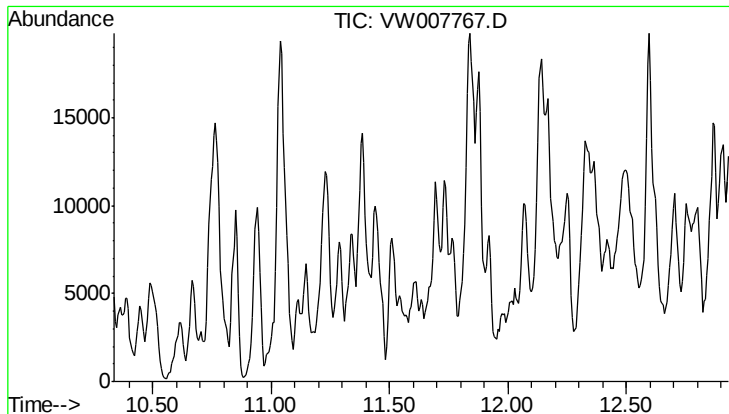
200

100

0

Time-->



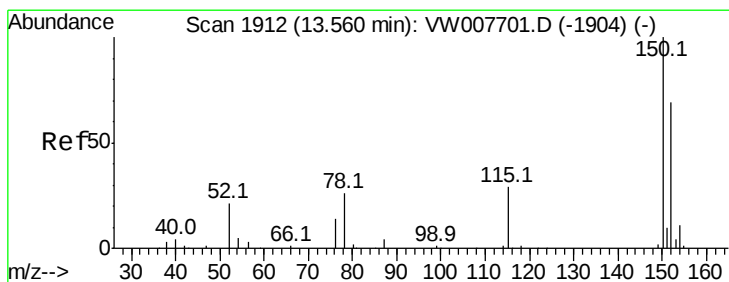
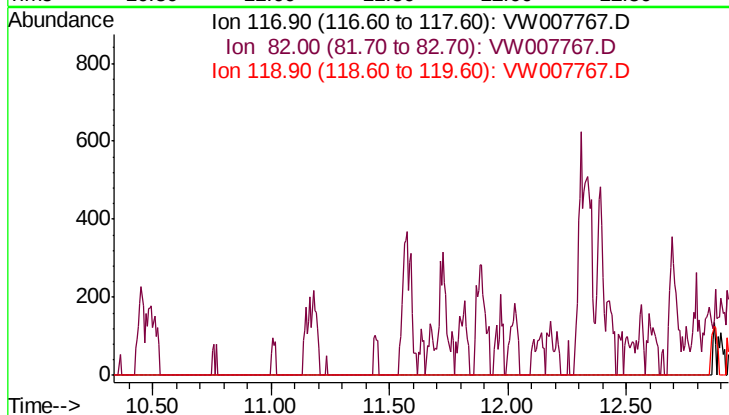


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.63 min

Lab File: VW007767.D
Acq: 21 Dec 2018 00:02

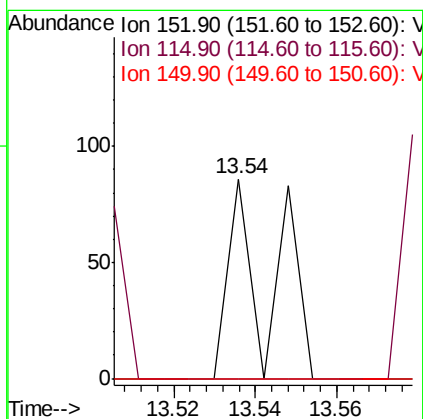
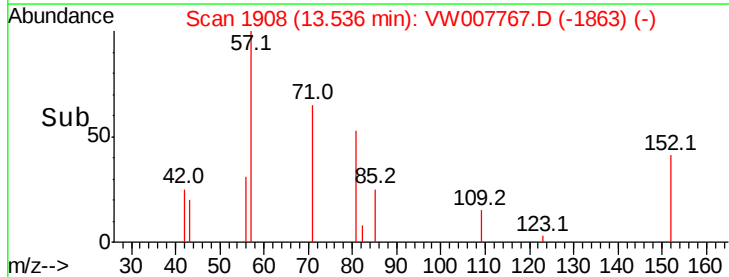
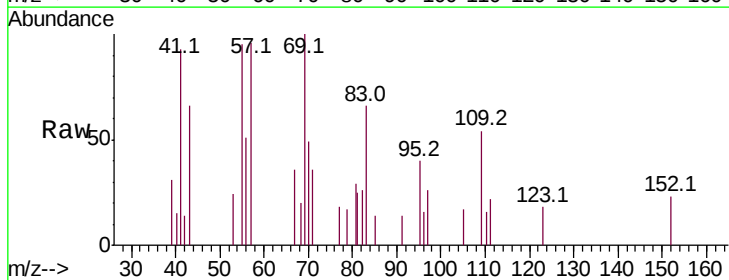
Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(7-9)RE

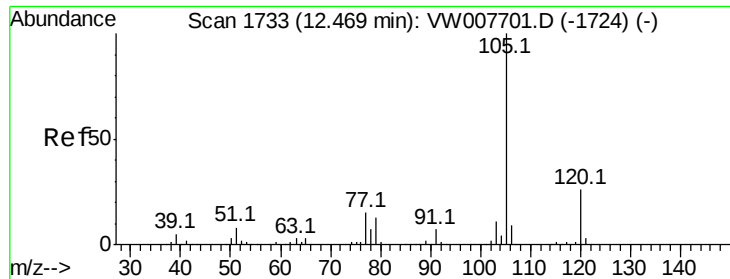
Tot Ion: 117
Sig Exp Ratio
117 100
82 55.4
119 32.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.54 min Scan# 1908
Delta R.T. -0.02 min
Lab File: VW007767.D
Acq: 21 Dec 2018 00:02

Tgt Ion:152 Resp: 62
Ion Ratio Lower Upper
152 100
115 0.0 31.8 95.4#
150 0.0 0.0 350.8





#73

Isopropylbenzene

Concen: 294.462 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

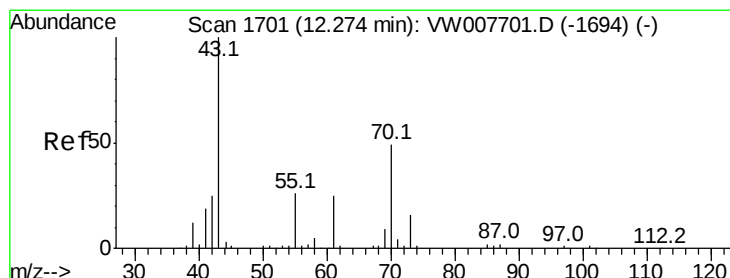
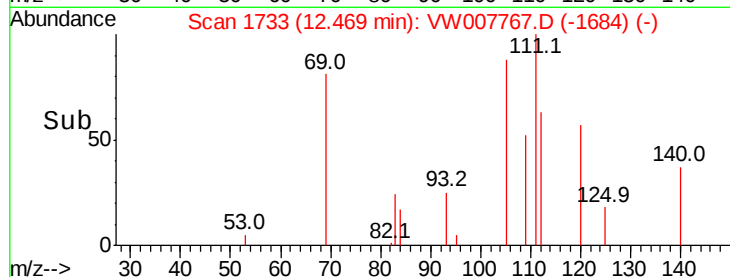
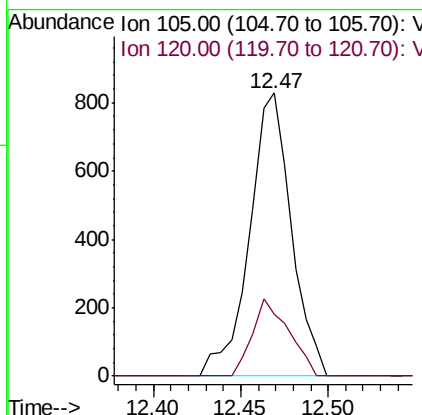
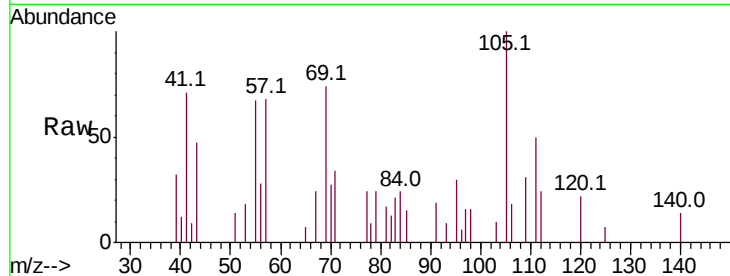
Lab File: VW007767.D

Acq: 21 Dec 2018 00:02

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(7-9)RE

Tot Ion:105 Resp: 1380

Ion	Ratio	Lower	Upper
105	100		
120	23.6	13.1	39.3



#74

N-ethyl acetate

Concen: 2806.207 ug/l

RT: 12.26 min Scan# 1698

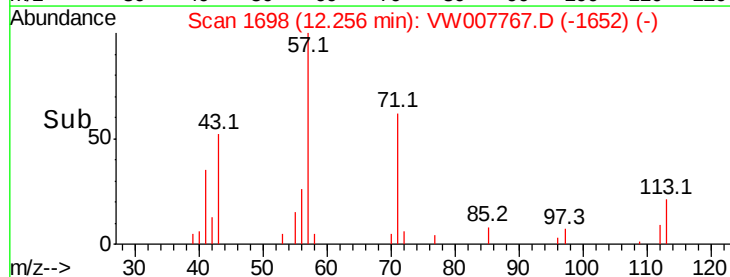
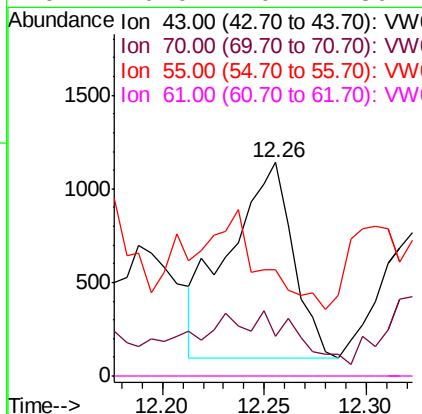
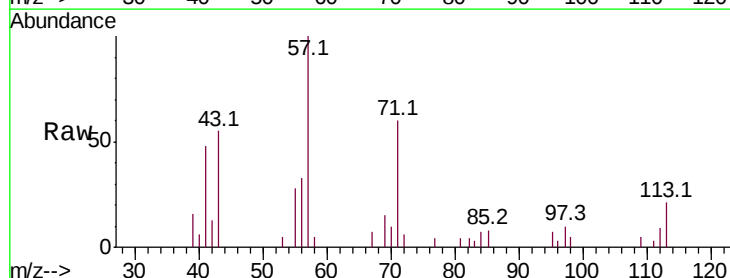
Delta R.T. -0.02 min

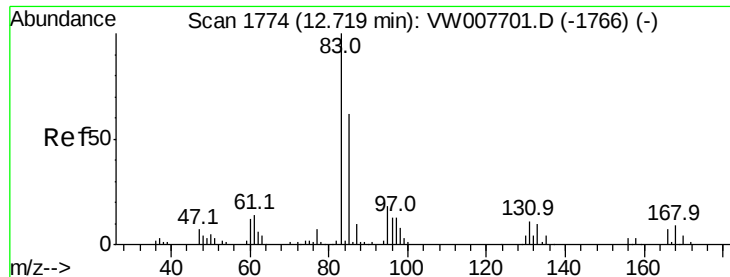
Lab File: VW007767.D

Acq: 21 Dec 2018 00:02

Tgt Ion: 43 Resp: 2278

Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.6	56.4#
55	0.0	21.7	32.5#
61	0.0	20.1	30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 490.987 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW007767.D

Acq: 21 Dec 2018 00:02

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(7-9)RE

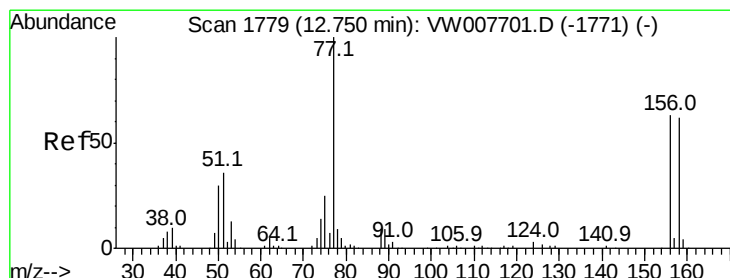
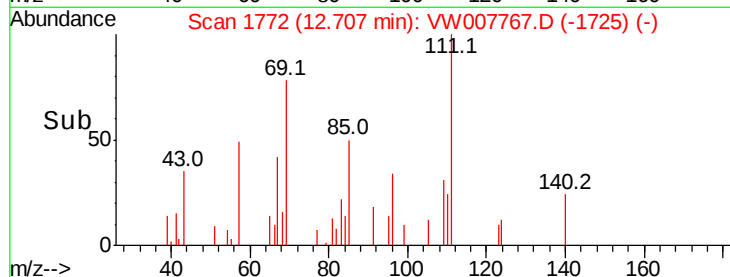
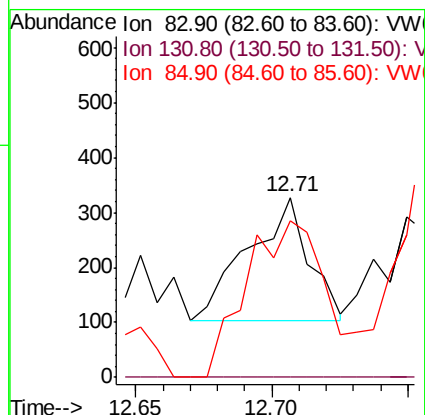
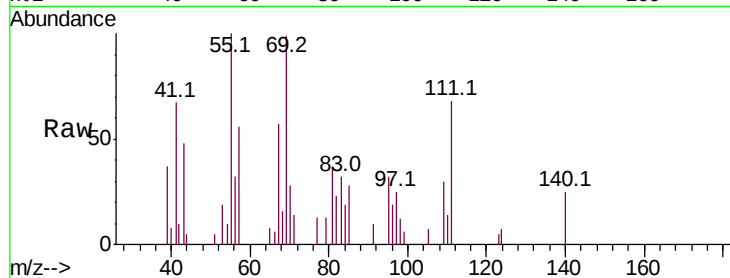
Tot Ion: 83 Resp: 345

Ion Ratio Lower Upper

83 100

131 0.0 6.3 18.8#

85 169.3 32.3 96.8#



#77

Bromobenzene

Concen: 75.417 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.16 min

Lab File: VW007767.D

Acq: 21 Dec 2018 00:02

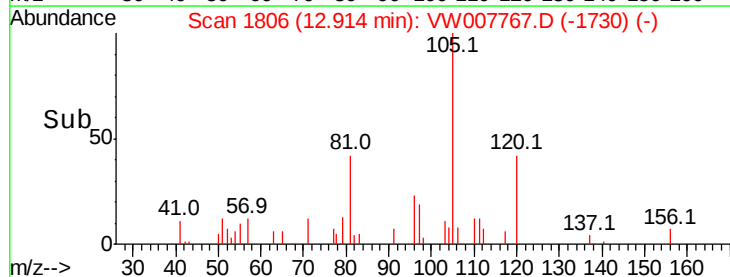
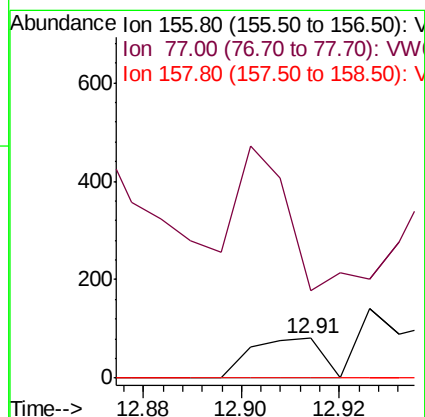
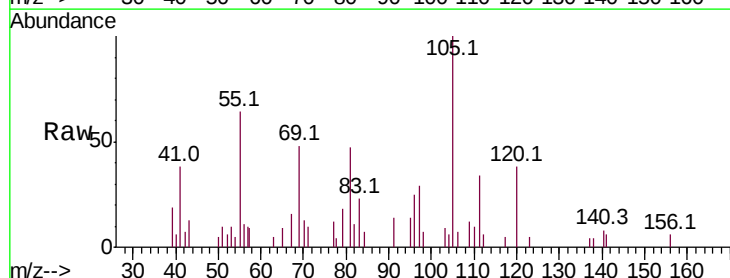
Tgt Ion: 156 Resp: 81

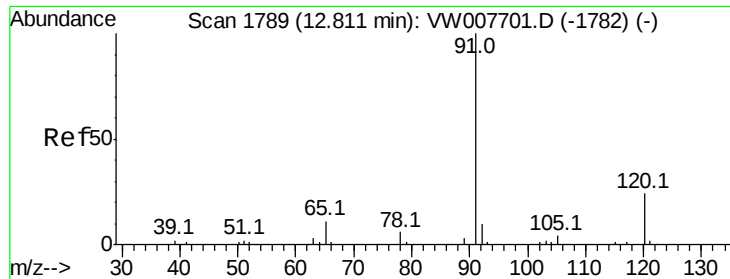
Ion Ratio Lower Upper

156 100

77 516.0 87.4 262.1#

158 0.0 48.4 145.0#





#78

n-propylbenzene

Concen: 697.841 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007767.D

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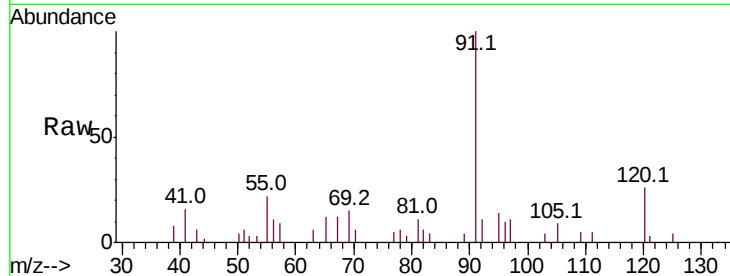
KY001SB103-121118-(7-9)RE

Tot Ion: 91 Resp: 3807

Ion Ratio Lower Upper

91 100

120 26.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

2500

2000

1500

1000

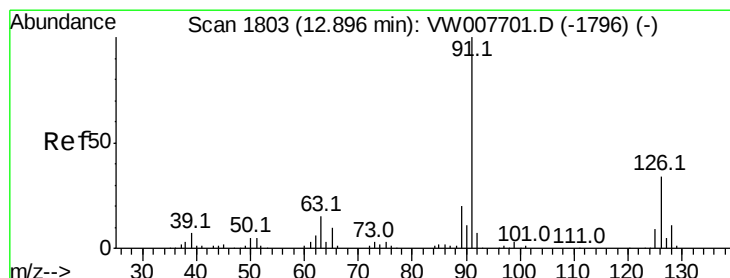
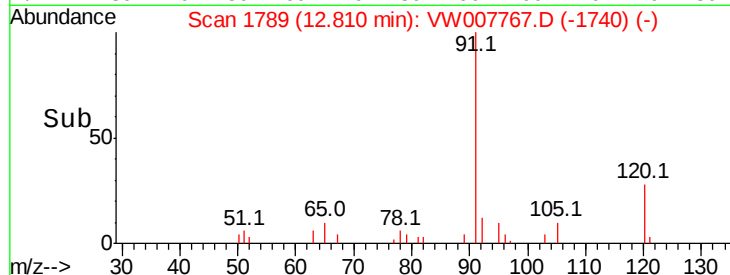
500

0

Time-->

12.70 12.75 12.80 12.85

12.81



#79

2-Chlorotoluene

Concen: 224.667 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. -0.02 min

Lab File: VW007767.D

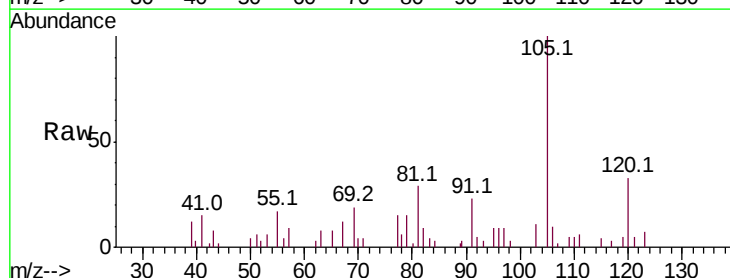
Acq: 21 Dec 2018 00:02

Tgt Ion: 91 Resp: 714

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

1500

1000

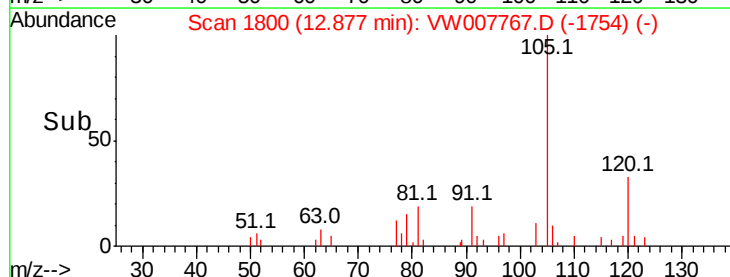
500

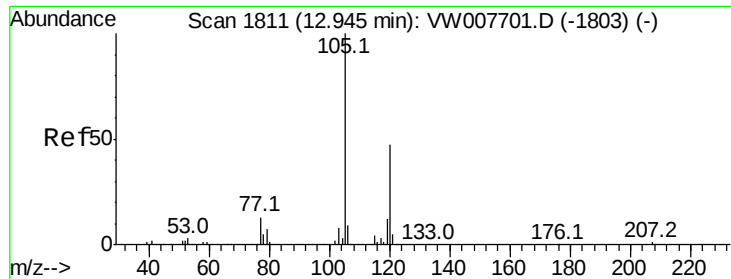
0

Time-->

12.85 12.90

12.88

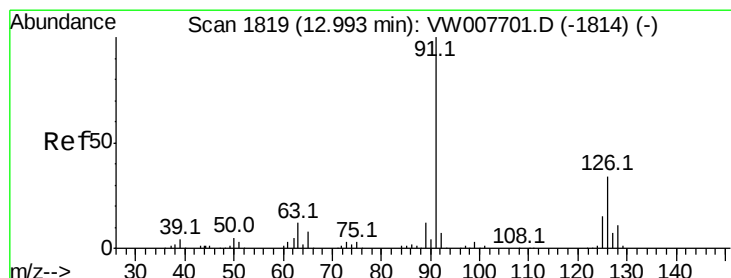
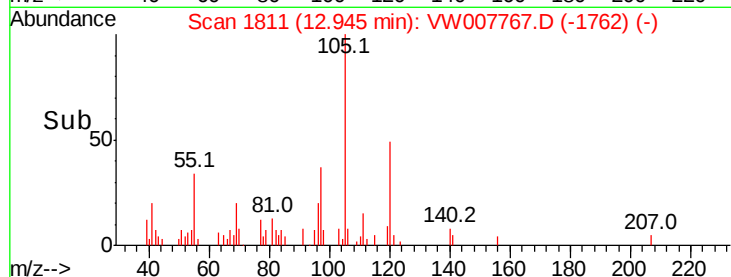
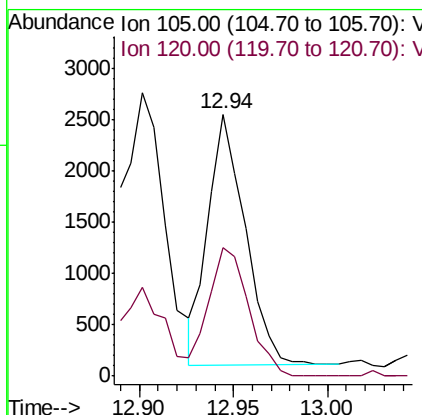
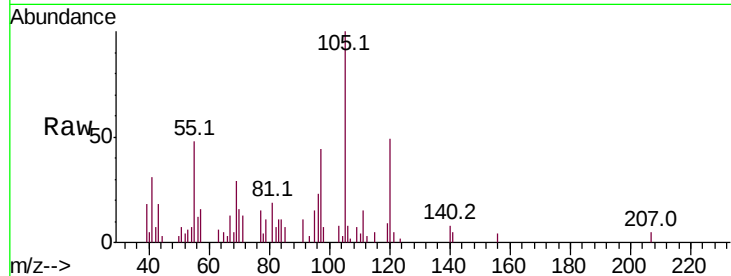




#80
 1,3,5-Trimethylbenzene
 Concen: 832.911 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007767.D
 Acq: 21 Dec 2018 00:02

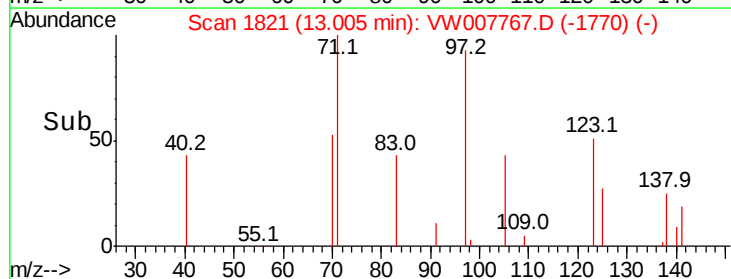
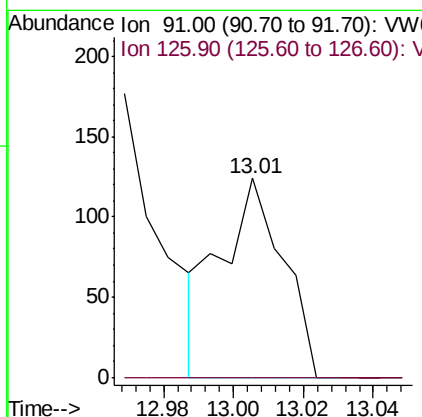
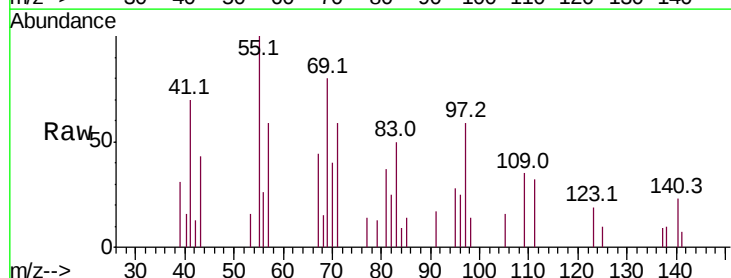
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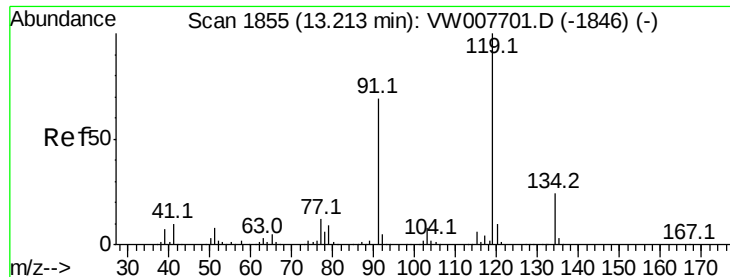
Tot Ion:105 Resp: 3367
 Ion Ratio Lower Upper
 105 100
 120 54.9 23.6 70.8



#82
 4-Chlorotoluene
 Concen: 44.919 ug/l
 RT: 13.01 min Scan# 1821
 Delta R.T. 0.01 min
 Lab File: VW007767.D
 Acq: 21 Dec 2018 00:02

Tgt Ion: 91 Resp: 152
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.5 49.5#

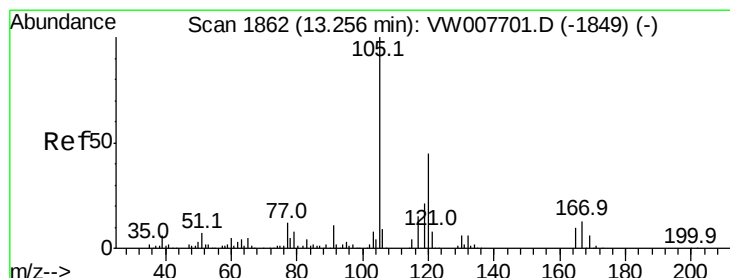
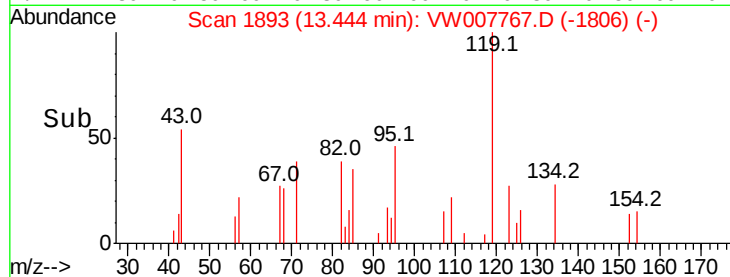
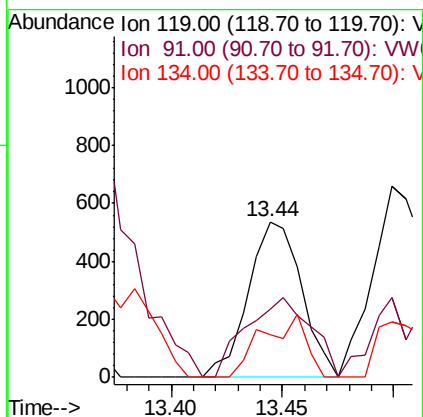
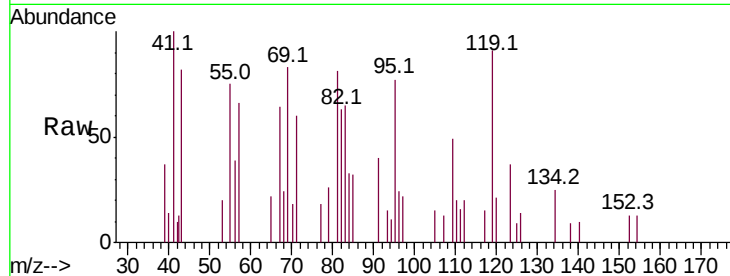




#83
tert-Butylbenzene
Concen: 252.048 ug/l
RT: 13.44 min Scan# 1893
Delta R.T. 0.23 min
Lab File: VW007767.D
Acq: 21 Dec 2018 00:02

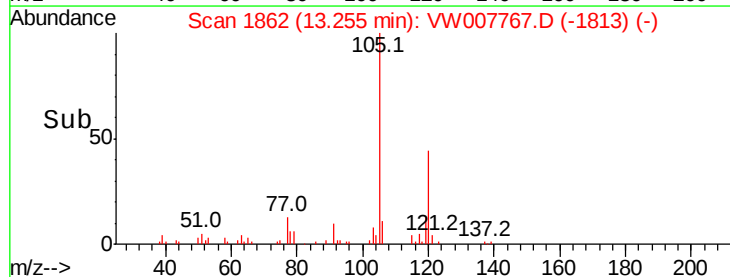
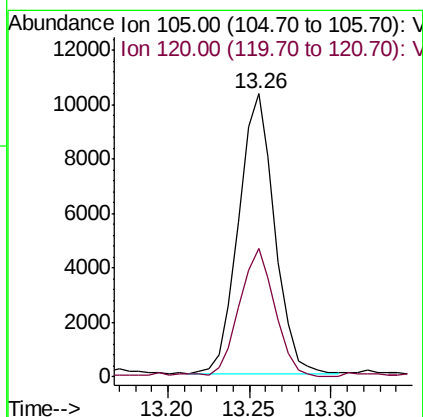
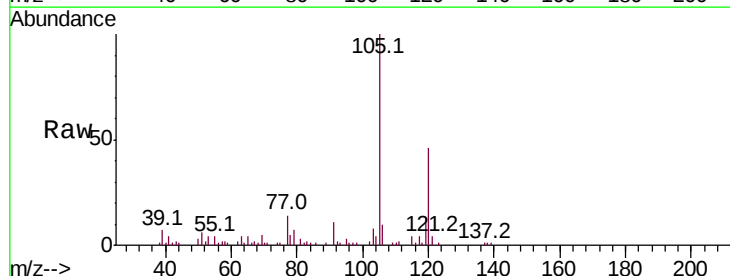
Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(7-9)RE

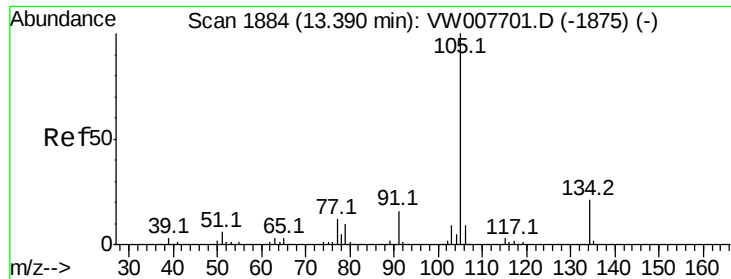
Tot Ion:119 Resp: 894
Ion Ratio Lower Upper
119 100
91 62.5 34.2 102.5
134 32.8 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 3861.921 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007767.D
Acq: 21 Dec 2018 00:02

Tgt Ion:105 Resp: 15753
Ion Ratio Lower Upper
105 100
120 46.3 22.0 66.0

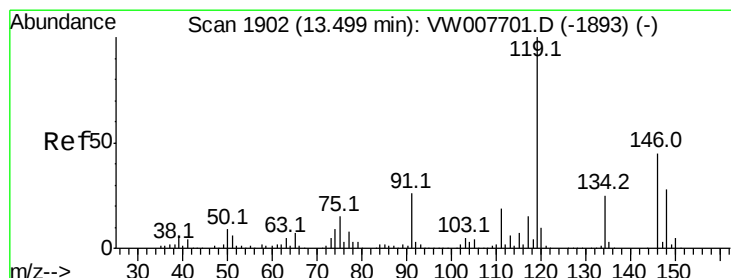
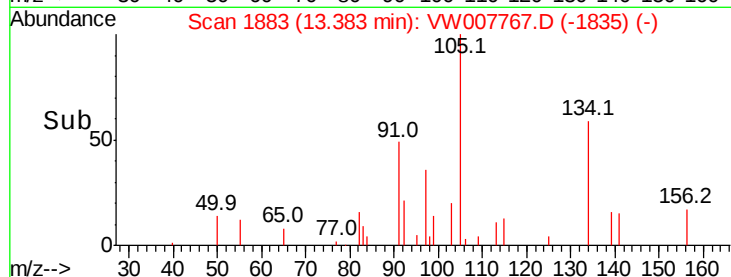
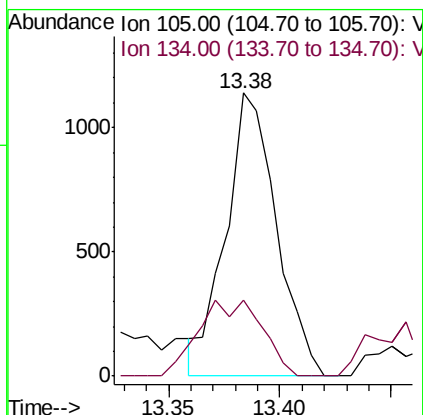
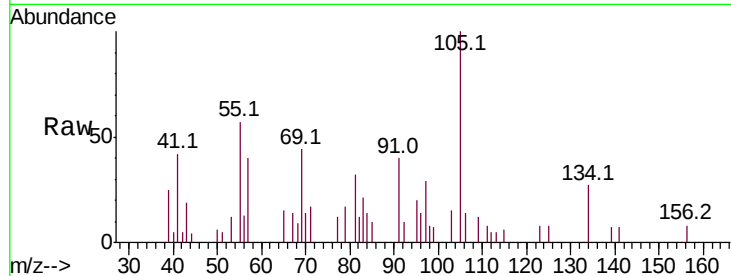




#85
 sec-Butylbenzene
 Concen: 369.452 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW007767.D
 Acq: 21 Dec 2018 00:02

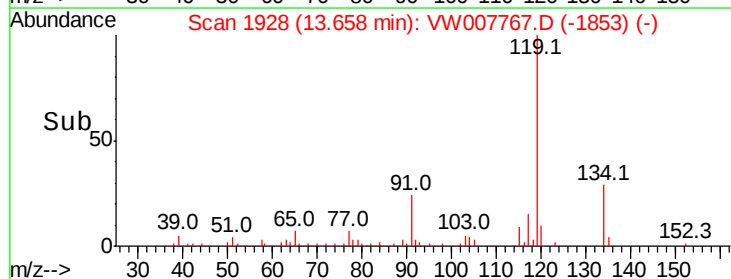
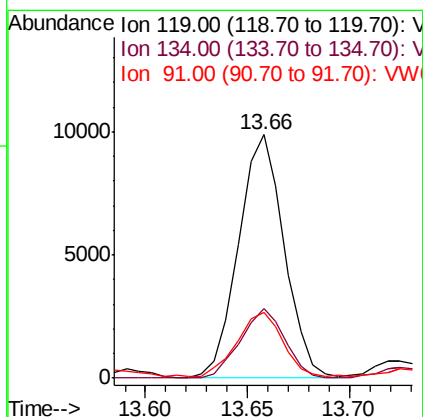
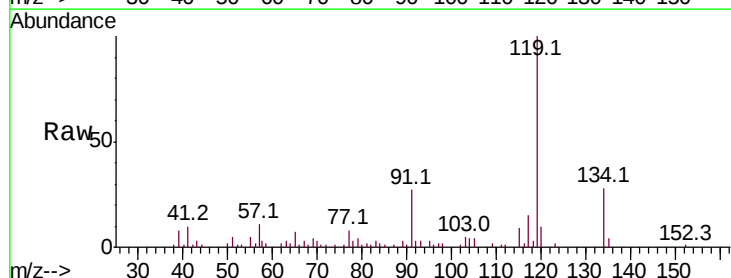
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(7-9)RE

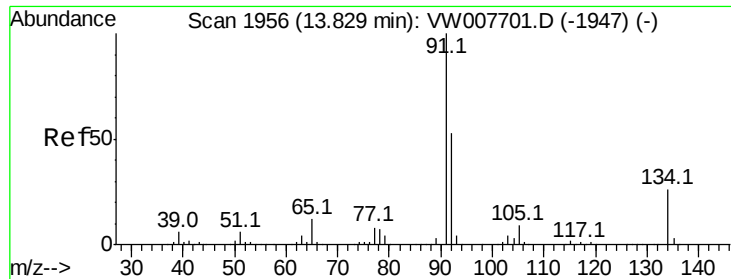
Tot Ion:105 Resp: 1806
 Ion Ratio Lower Upper
 105 100
 134 33.8 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 3459.600 ug/l
 RT: 13.66 min Scan# 1928
 Delta R.T. 0.16 min
 Lab File: VW007767.D
 Acq: 21 Dec 2018 00:02

Tgt Ion:119 Resp: 15378
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.0 39.0
 91 26.3 12.8 38.4





#89

n-Butylbenzene

Concen: 415.160 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW007767.D

Acq: 21 Dec 2018 00:02

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(7-9)RE

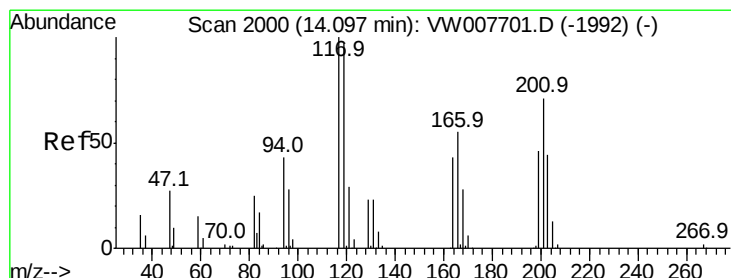
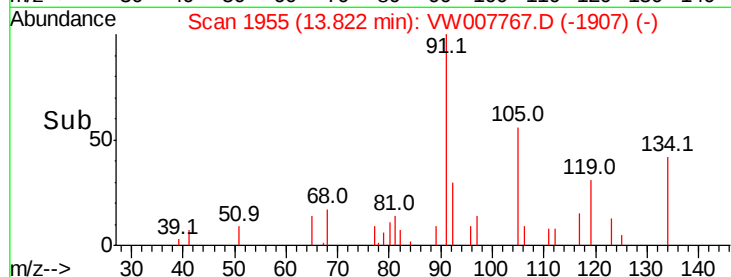
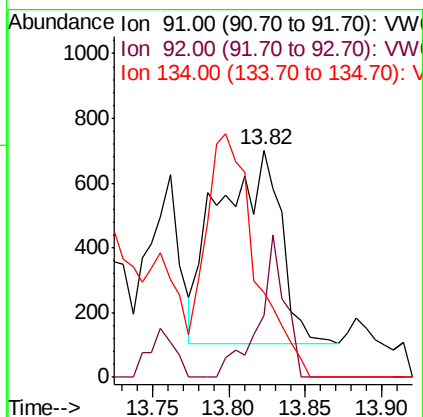
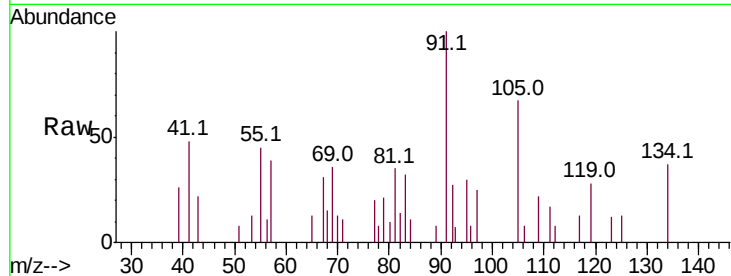
Tot Ion: 91 Resp: 1692

Ion Ratio Lower Upper

91 100

92 30.7 26.4 79.2

134 0.0 13.7 41.0#



#90

Hexachloroethane

Concen: 549.738 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007767.D

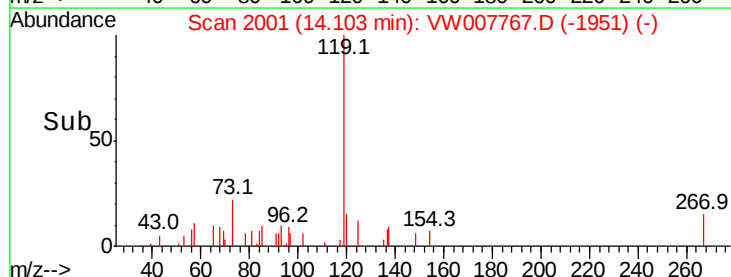
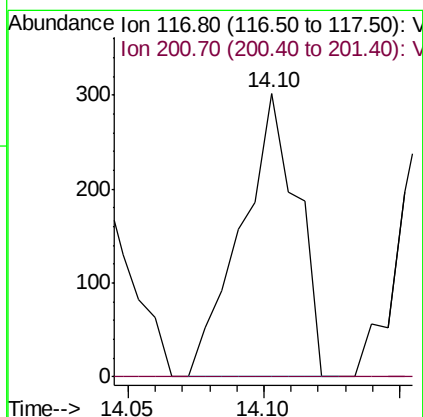
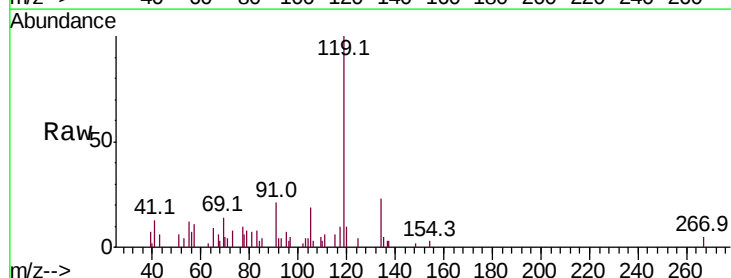
Acq: 21 Dec 2018 00:02

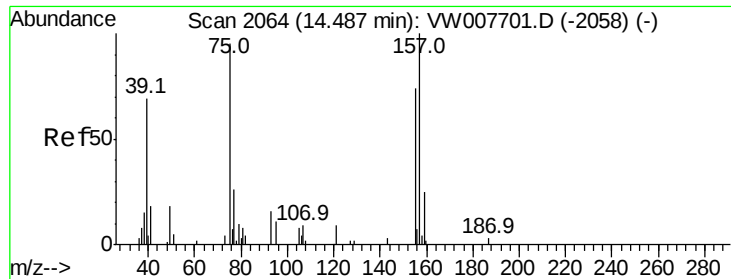
Tgt Ion: 117 Resp: 429

Ion Ratio Lower Upper

117 100

201 0.0 36.2 108.6#

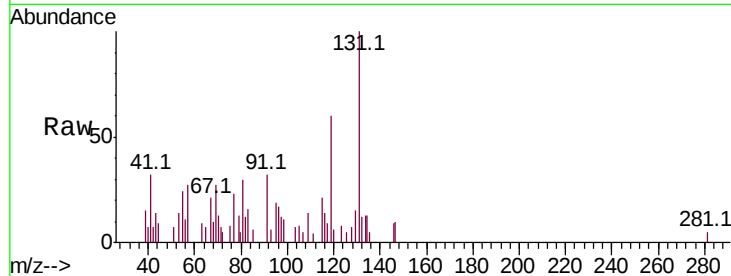




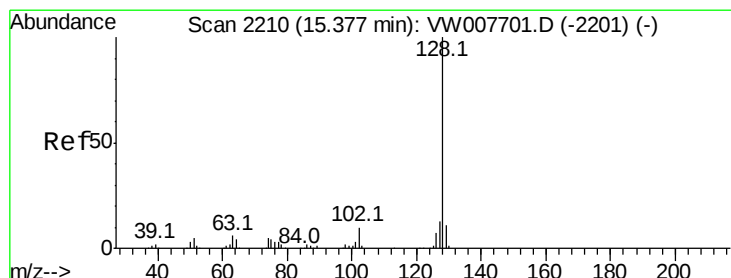
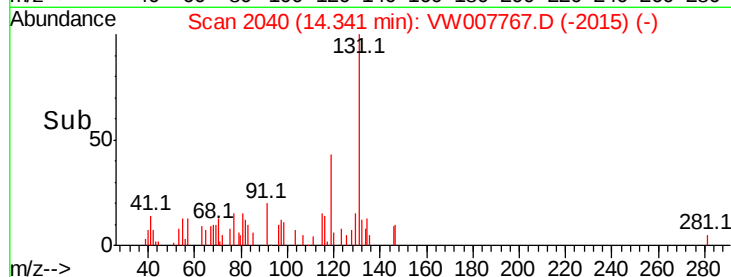
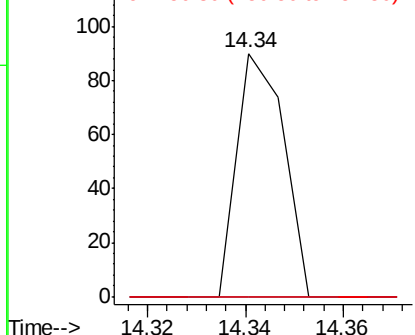
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 415.794 ug/l
 RT: 14.34 min Scan# 2040
 Delta R.T. -0.15 min
 Lab File: VW007767.D
 Acq: 21 Dec 2018 00:02

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(7-9)RE

Tot Ion: 75 Resp: 60
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.4 118.1#
 157 0.0 52.0 156.0#

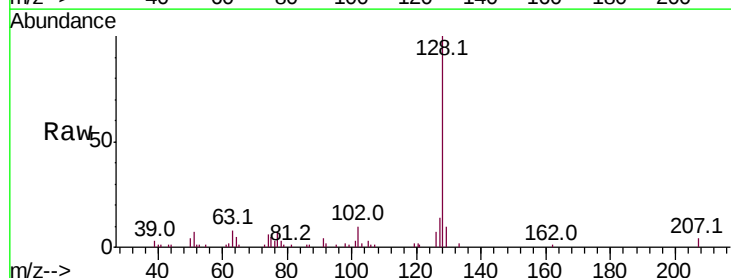


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



#95
 Naphthalene
 Concen: 4361.493 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007767.D
 Acq: 21 Dec 2018 00:02

Tgt Ion: 128 Resp: 10687
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.7 16.1
 129 12.4 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

