

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122118\
 Data File : VW007720.D
 Acq On : 20 Dec 2018 01:13
 Operator : SY/AP
 Sample : BFB
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Dec 20 06:53:56 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	11.44	117	68	50.00	ug/l	-0.19
72) 1,4-Dichlorobenzene-d4	13.56	152	94	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	647	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	7.89	113	613	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	10.32	98	2509	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	12.62	95	130652	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	

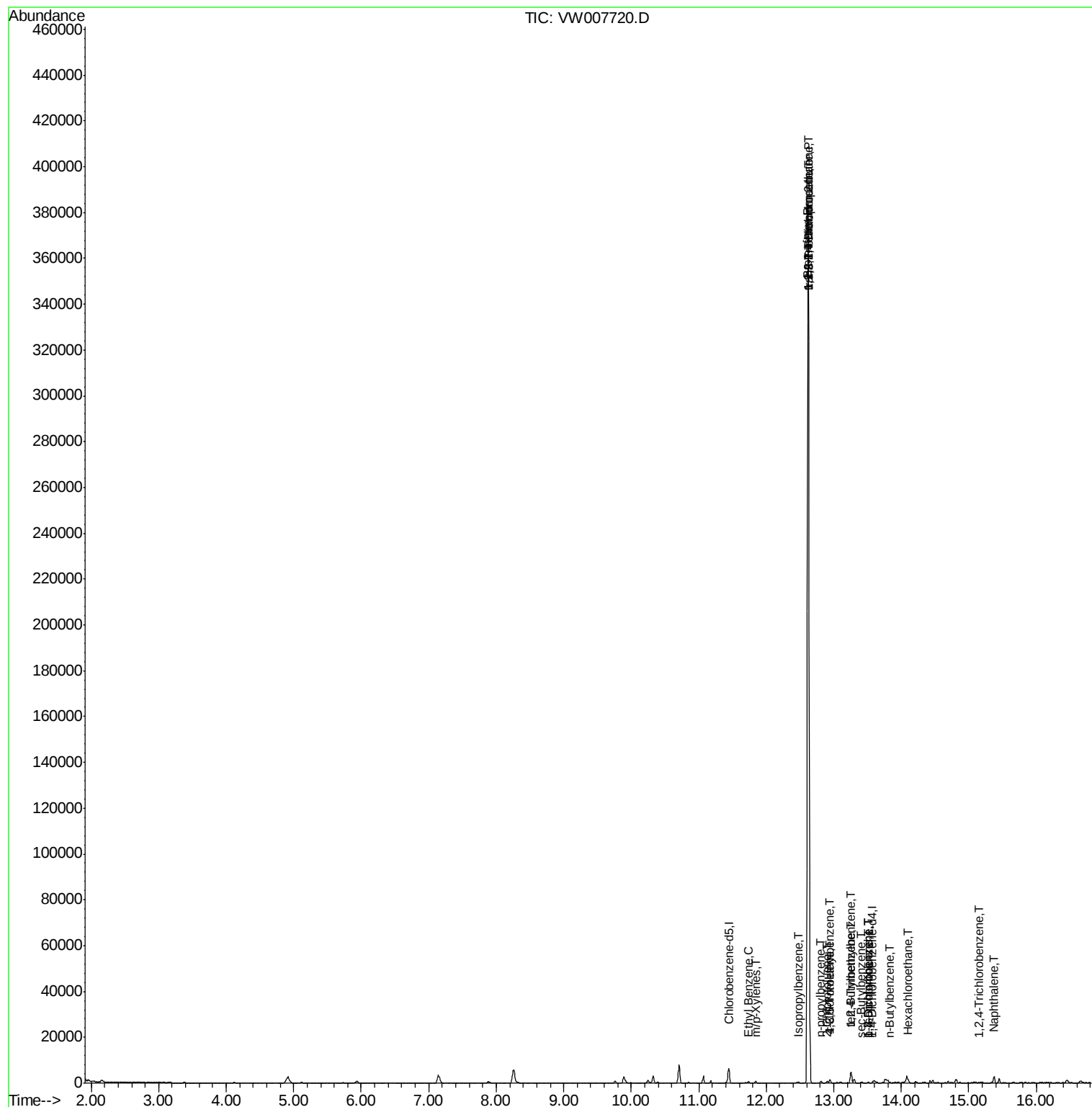
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	11.74	91	712	281.911	ug/l #	88
68) m/p-Xylenes	11.85	106	341	348.057	ug/l	99
71) Bromoform	12.61	173	87	318.673	ug/l #	29
73) Isopropylbenzene	12.48	105	265	37.296	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.62	83	53	49.750	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	65757	90508.055	ug/l #	100
78) n-propylbenzene	12.80	91	857	103.614	ug/l	92
79) 2-Chlorotoluene	12.90	91	50	10.377	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.94	105	813	132.651	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.62	75	65757	189982.989	ug/l #	9
82) 4-Chlorotoluene	12.94	91	73	14.229	ug/l #	42
83) tert-Butylbenzene	13.26	119	423	78.659	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.25	105	3066	495.765	ug/l	97
85) sec-Butylbenzene	13.40	105	173	23.343	ug/l #	56
86) p-Isopropyltoluene	13.51	119	123	18.251	ug/l #	49
87) 1,3-Dichlorobenzene	13.50	146	51	15.774	ug/l #	24
88) 1,4-Dichlorobenzene	13.50	146	51	15.770	ug/l #	24
89) n-Butylbenzene	13.83	91	286	46.286	ug/l #	58
90) Hexachloroethane	14.11	117	64	54.093	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.14	180	95	47.279	ug/l #	59
95) Naphthalene	15.38	128	2739	737.285	ug/l	98

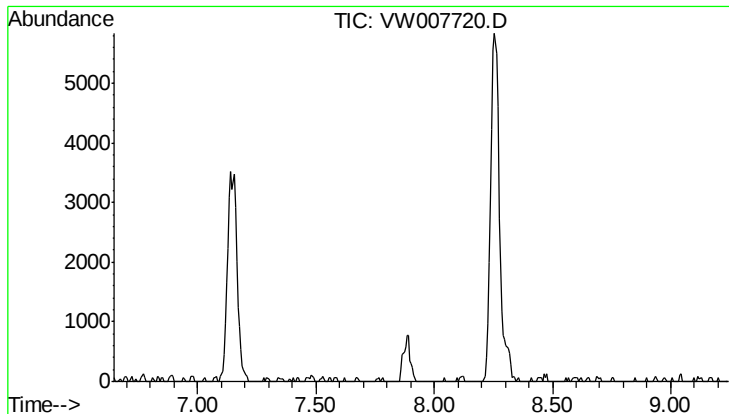
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
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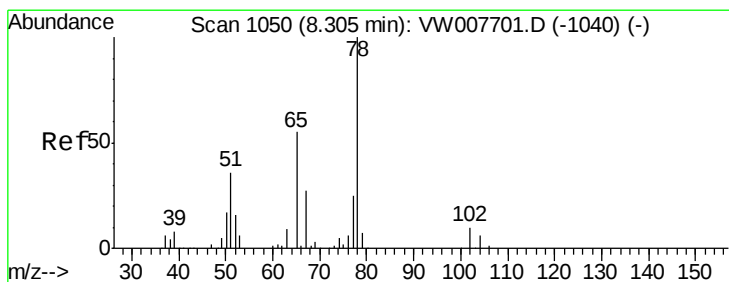
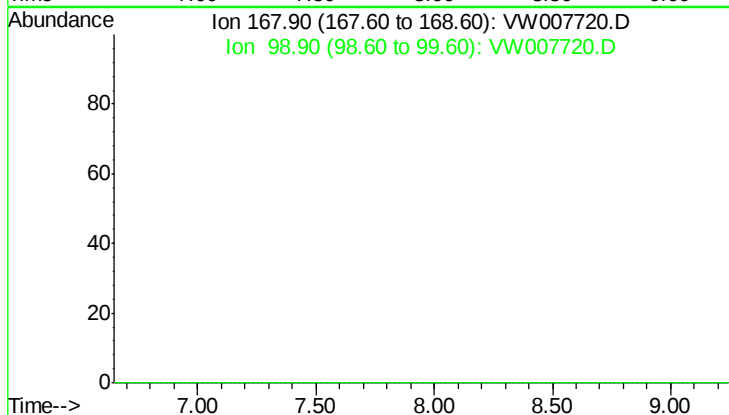




#1
 Pentafluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 7.95 min
 Lab File: VW007720.D
 Acq: 20 Dec 2018 01:13

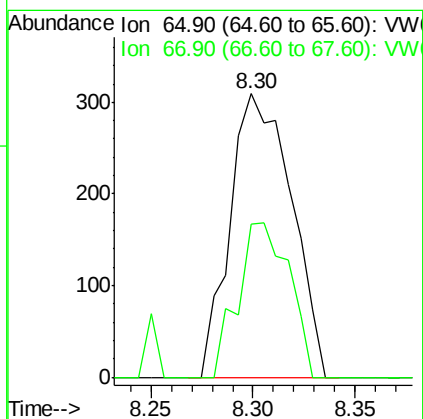
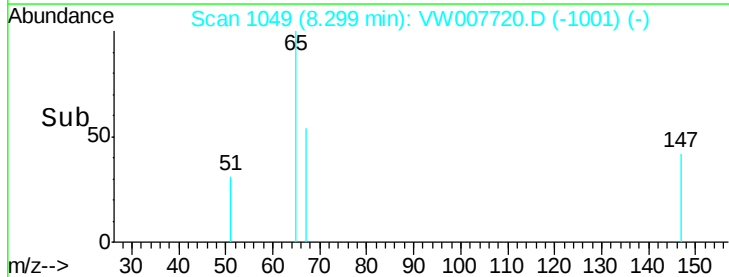
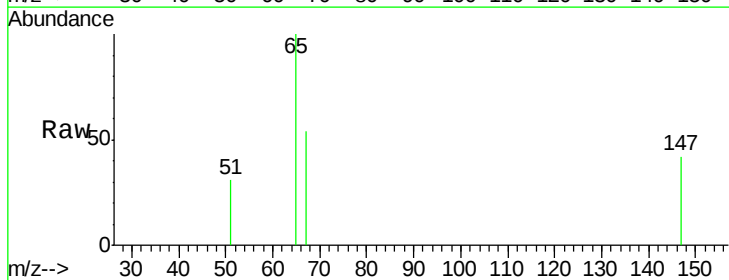
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

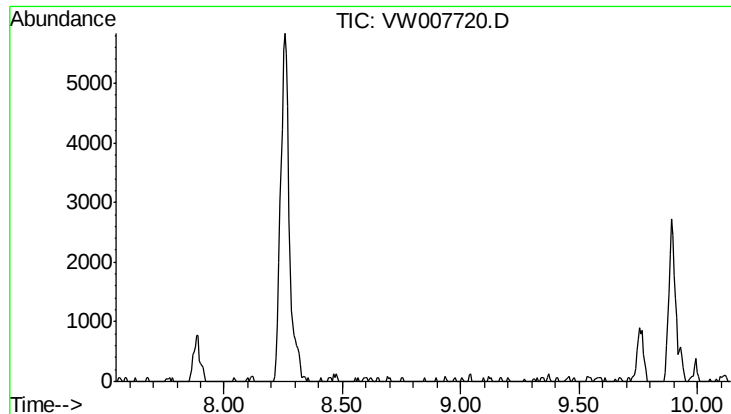
Tgt Ion: 168
 Sig Exp Ratio
 168 100
 99 67.5



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW007720.D
 Acq: 20 Dec 2018 01:13

Tgt Ion: 65 Resp: 647
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 100.6





#34

1,4-Difluorobenzene

Concen: 0.000 ug/l

Expected RT: 8.84 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

Tgt Ion: 114

Sig Exp Ratio

114 100

63 20.0

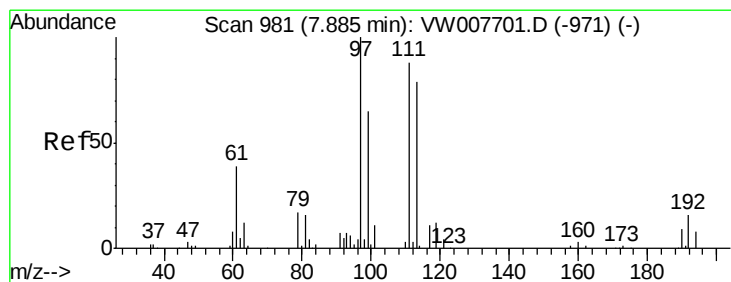
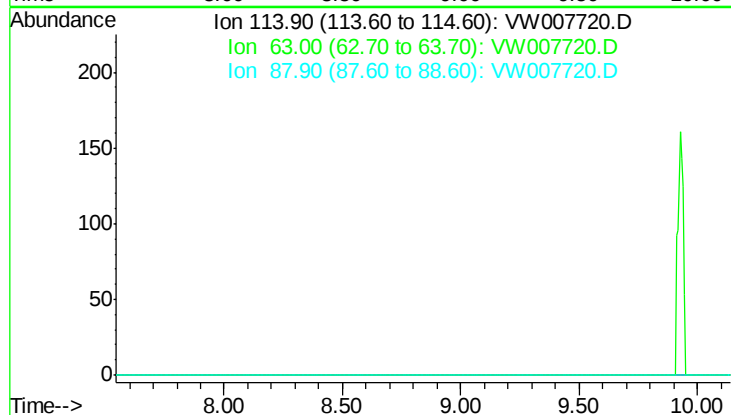
88 16.3

Instrument :

MSVOA_W

ClientSampleId :

BFB



#35

Dibromofluoromethane

Concen: 0.000 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

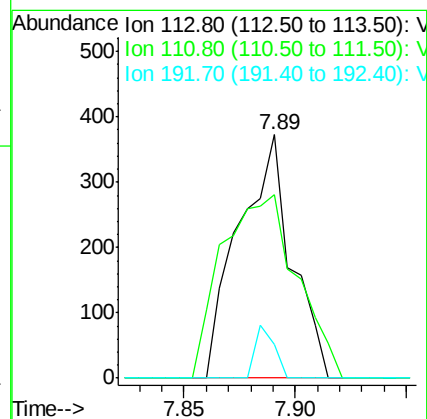
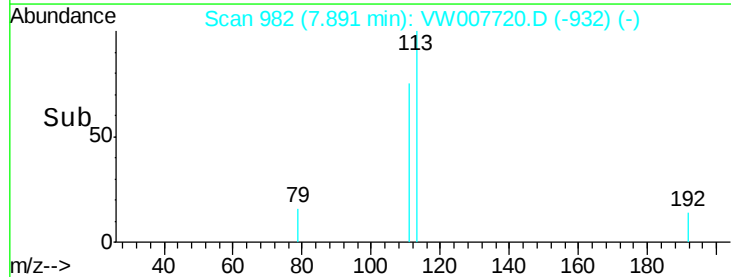
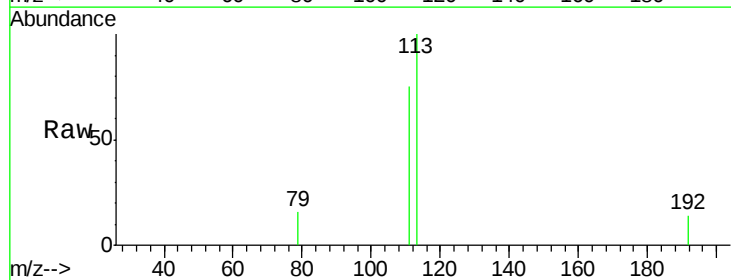
Tgt Ion: 113 Resp: 613

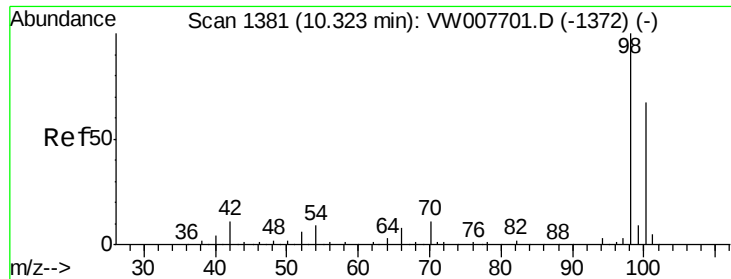
Ion Ratio Lower Upper

113 100

111 107.2 82.6 124.0

192 7.8 15.5 23.3#





#50

Toluene-d8

Concen: 0.000 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

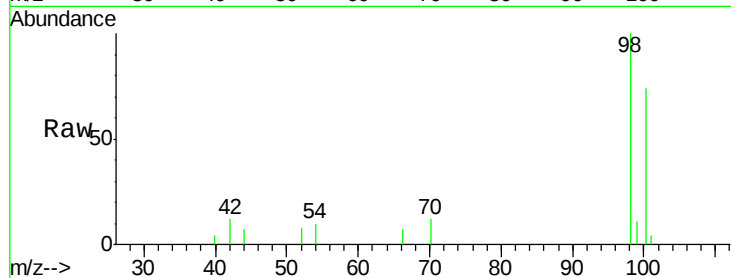
BFB

Tgt Ion: 98 Resp: 2509

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

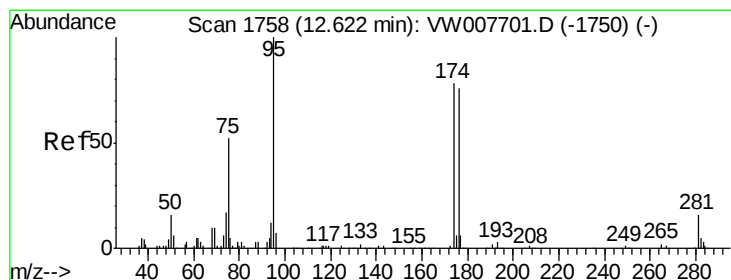
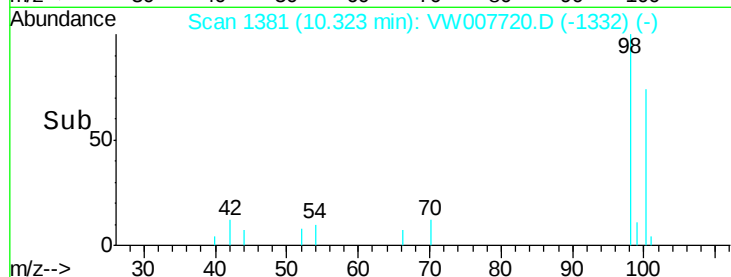
1500

1000

500

0

Time--> 10.25 10.30 10.35



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

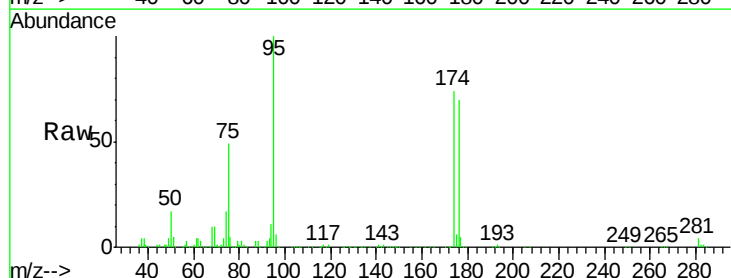
Tgt Ion: 95 Resp: 130652

Ion Ratio Lower Upper

95 100

174 75.1 0.0 152.2

176 73.0 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

100000

80000

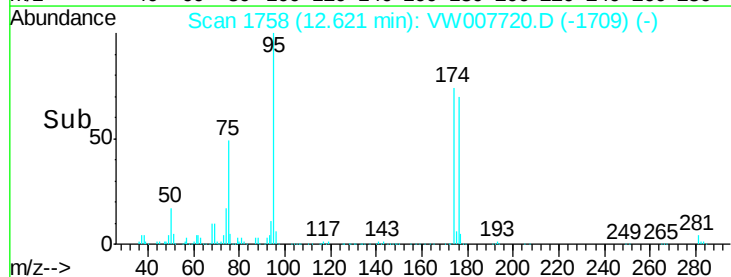
60000

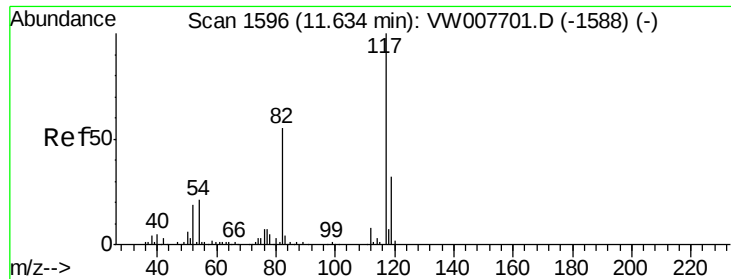
40000

20000

0

Time--> 12.60 12.70

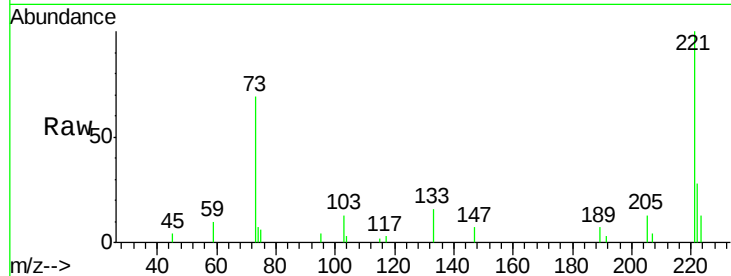




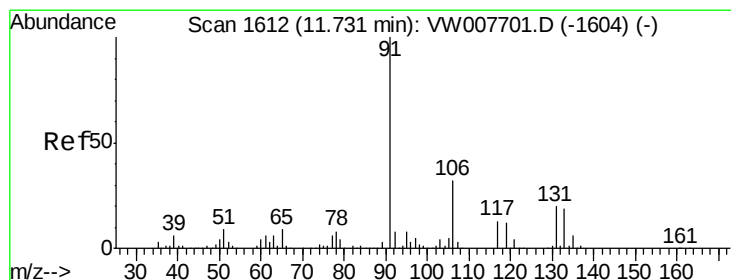
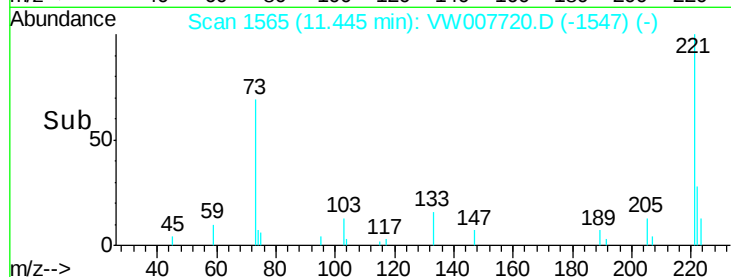
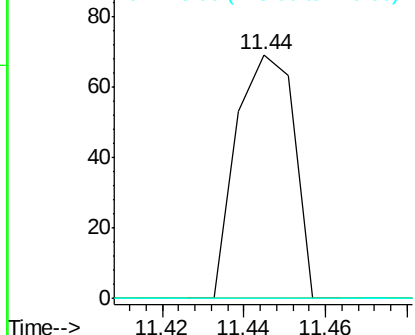
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.44 min Scan# 1565
Delta R.T. -0.19 min
Lab File: VW007720.D
Acq: 20 Dec 2018 01:13

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion: 117 Resp: 68
Ion Ratio Lower Upper
117 100
82 0.0 44.3 66.5#
119 0.0 25.7 38.5#

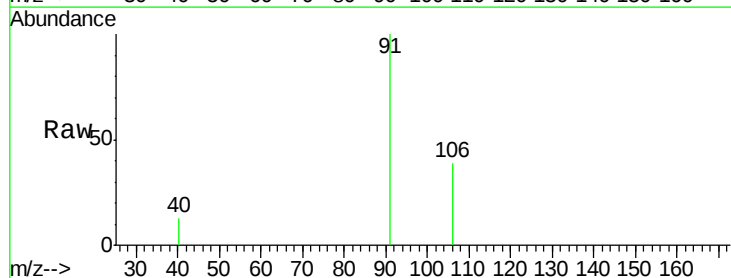


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

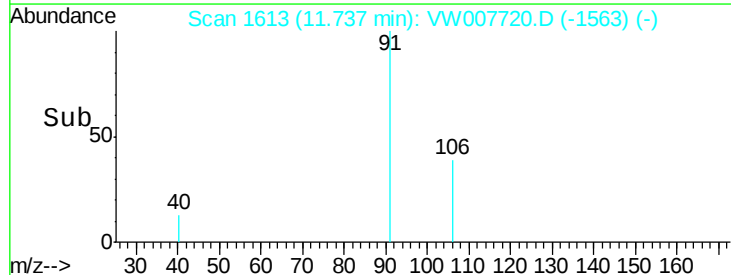
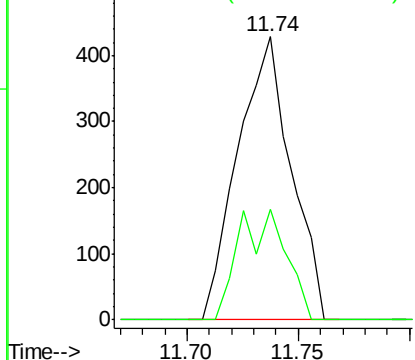


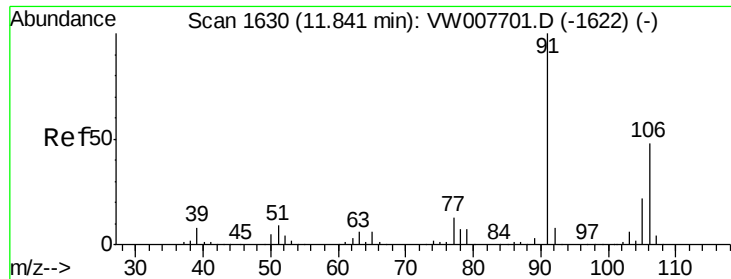
#67
Ethyl Benzene
Concen: 281.911 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007720.D
Acq: 20 Dec 2018 01:13

Tgt Ion: 91 Resp: 712
Ion Ratio Lower Upper
91 100
106 39.3 25.8 38.8#



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V

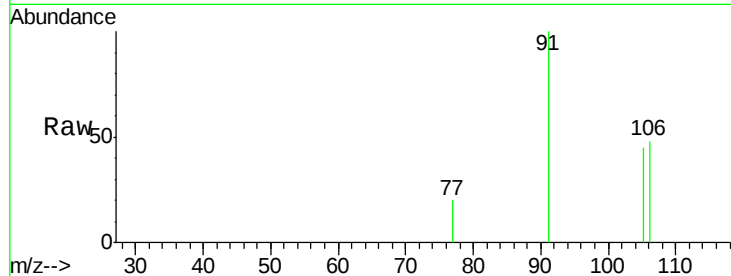




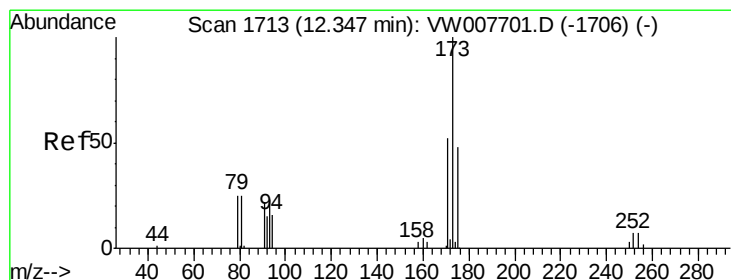
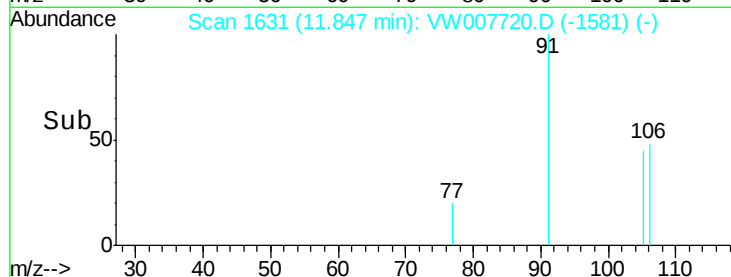
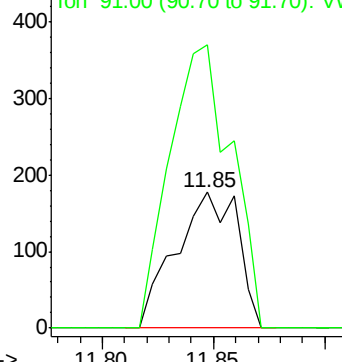
#68
m/p-Xylenes
Concen: 348.057 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW007720.D
Acq: 20 Dec 2018 01:13

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:106 Resp: 341
Ion Ratio Lower Upper
106 100
91 207.6 165.2 247.8

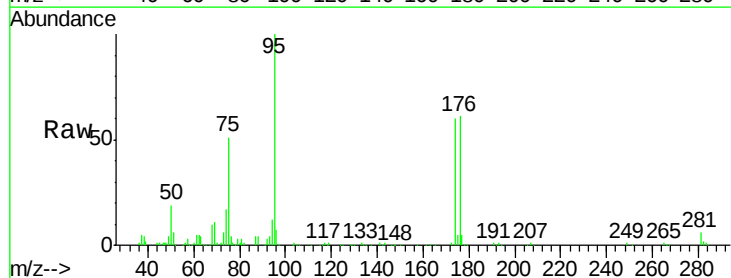


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

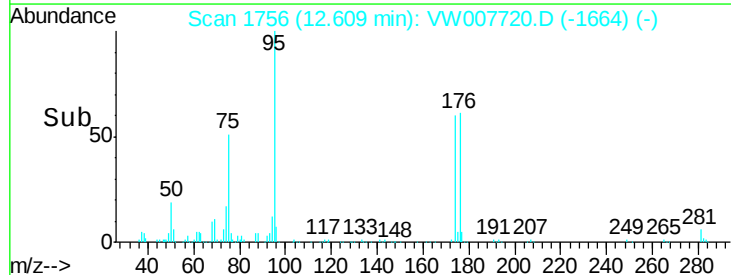
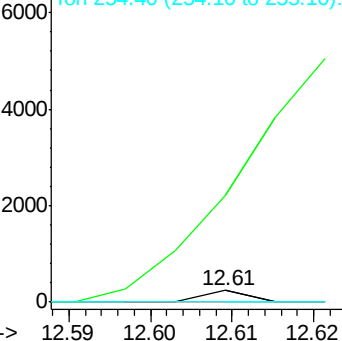


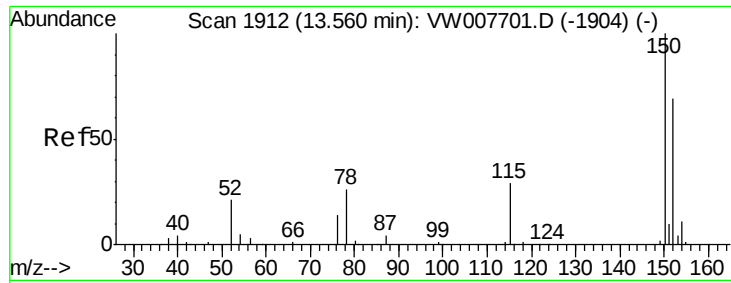
#71
Bromoform
Concen: 318.673 ug/l
RT: 12.61 min Scan# 1756
Delta R.T. 0.26 min
Lab File: VW007720.D
Acq: 20 Dec 2018 01:13

Tgt Ion:173 Resp: 87
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.7#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

BFB

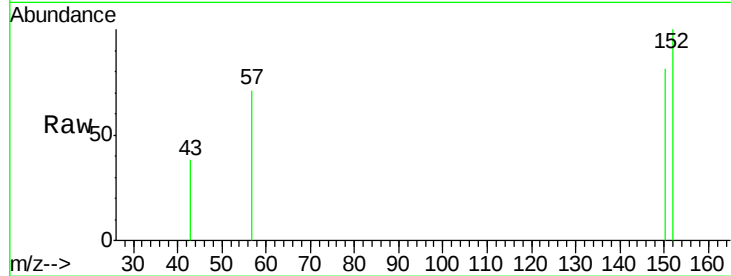
Tgt Ion:152 Resp: 94

Ion Ratio Lower Upper

152 100

115 0.0 31.8 95.4#

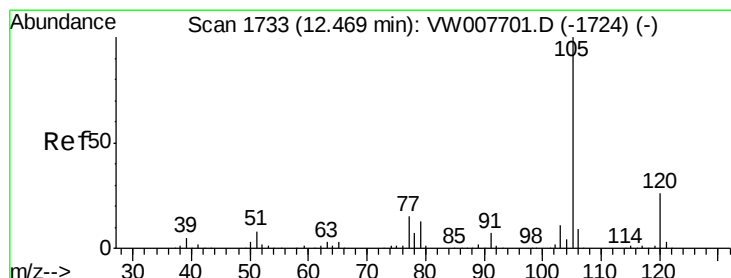
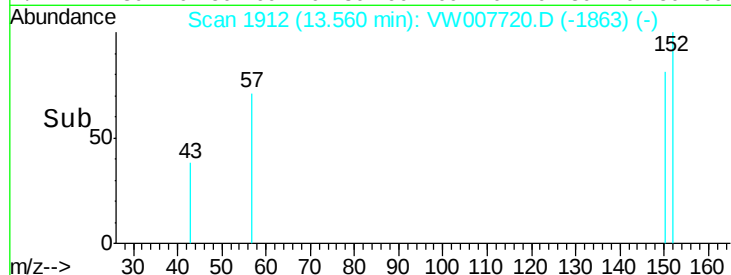
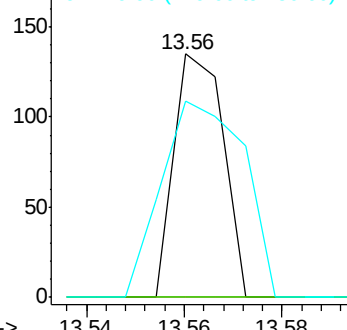
150 135.1 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 37.296 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW007720.D

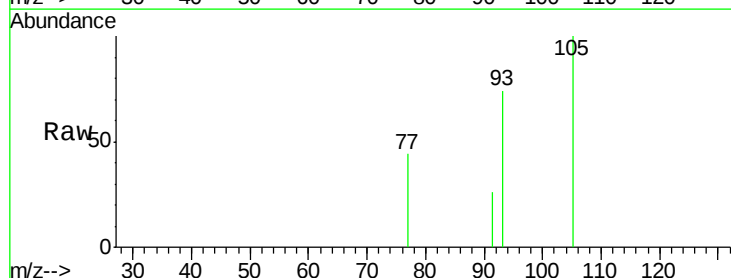
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Tgt Ion:105 Resp: 265

Ion Ratio Lower Upper

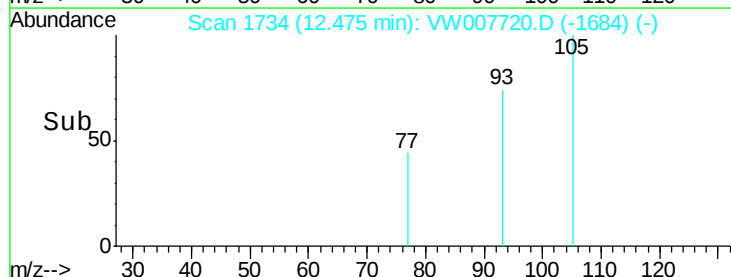
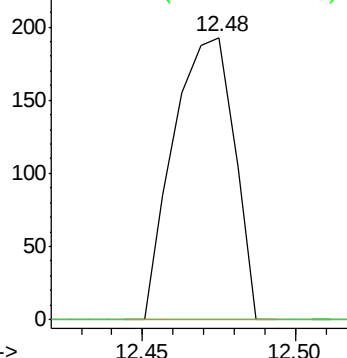
105 100

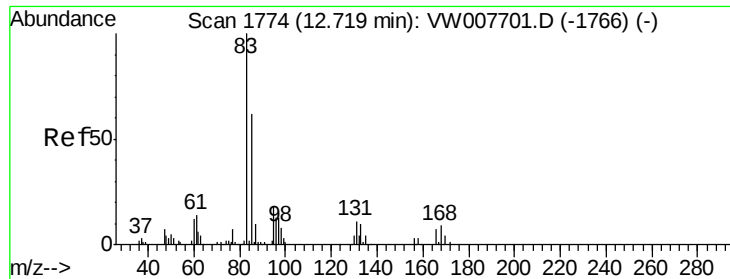
120 0.0 13.1 39.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.750 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.10 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampled :

BFB

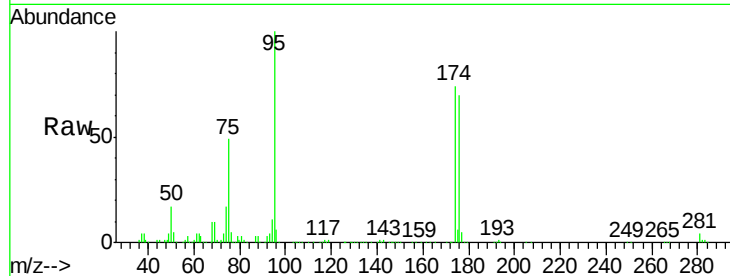
Tgt Ion: 83 Resp: 53

Ion Ratio Lower Upper

83 100

131 234.0 6.3 18.8#

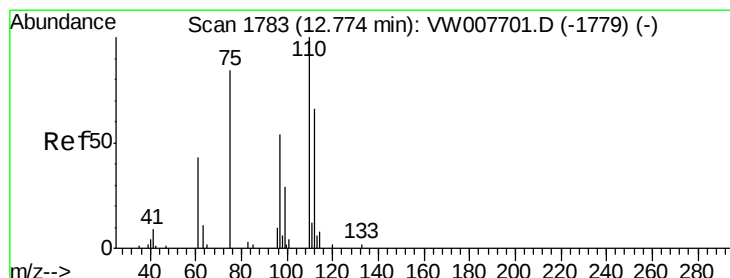
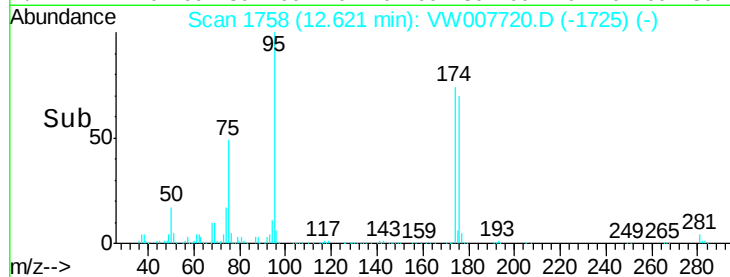
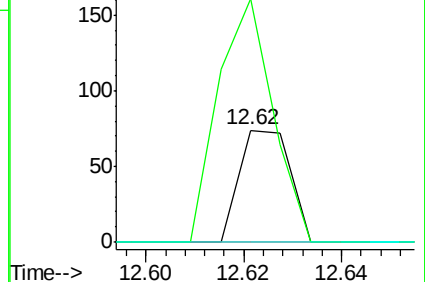
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 90508.055 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007720.D

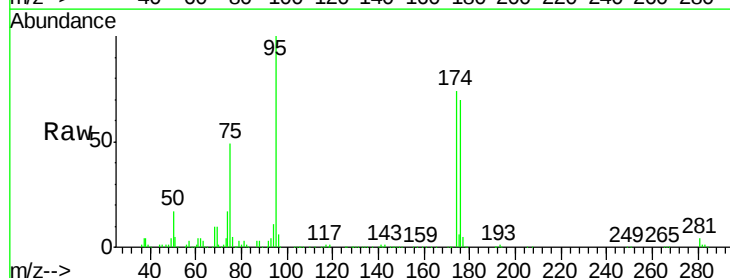
Acq: 20 Dec 2018 01:13

Tgt Ion: 75 Resp: 65757

Ion Ratio Lower Upper

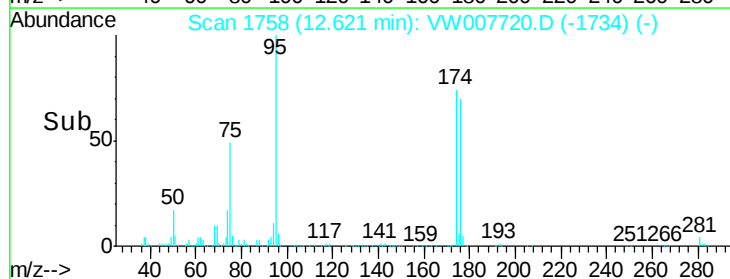
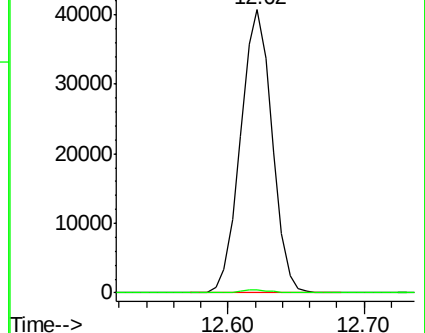
75 100

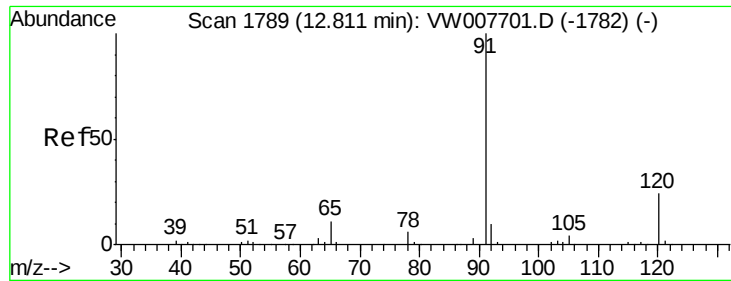
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

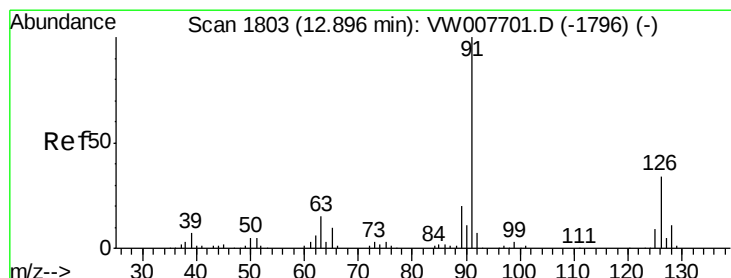
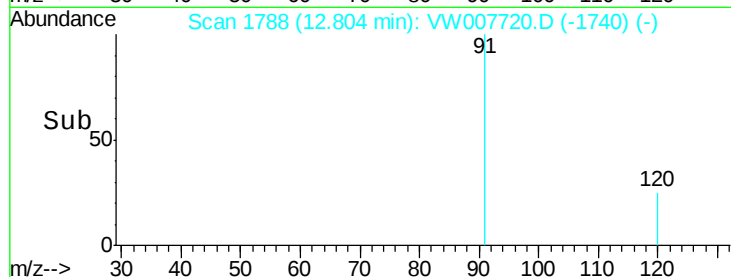
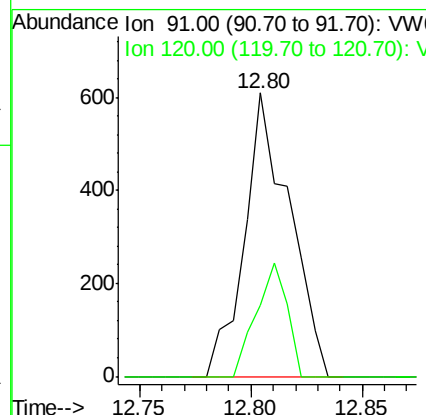
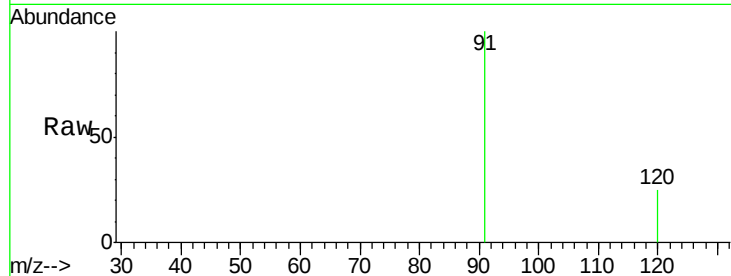




#78
n-propylbenzene
Concen: 103.614 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW007720.D
Acq: 20 Dec 2018 01:13

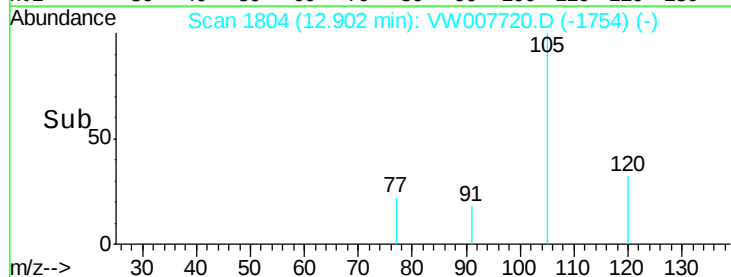
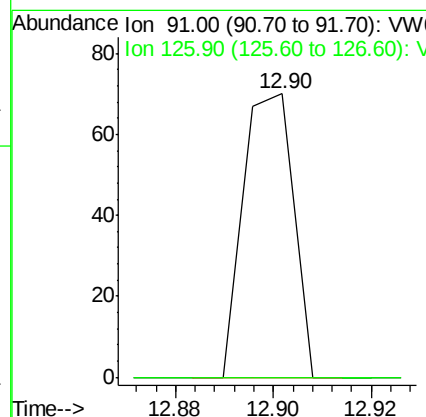
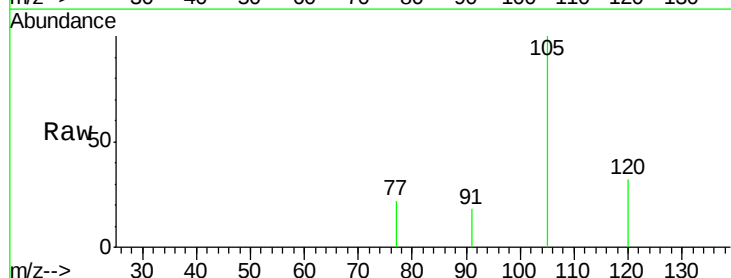
Instrument :
MSVOA_W
ClientSampled :
BFB

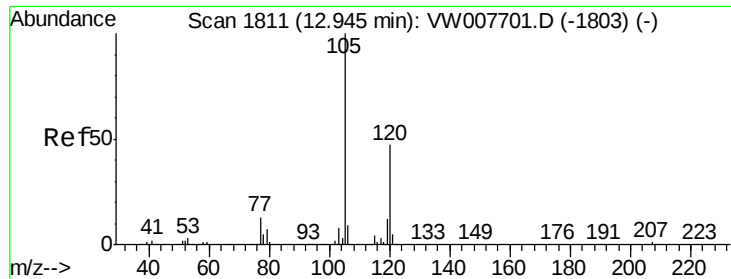
Tgt Ion: 91 Resp: 857
Ion Ratio Lower Upper
91 100
120 27.7 11.9 35.7



#79
2-Chlorotoluene
Concen: 10.377 ug/l
RT: 12.90 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VW007720.D
Acq: 20 Dec 2018 01:13

Tgt Ion: 91 Resp: 50
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#

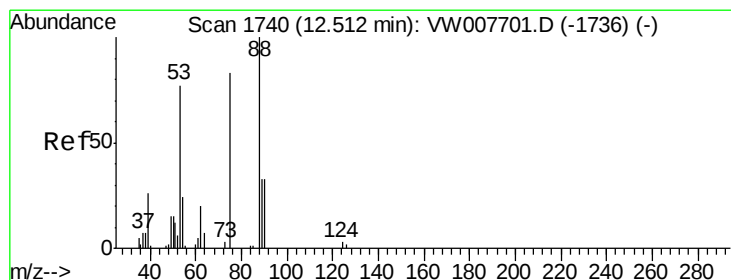
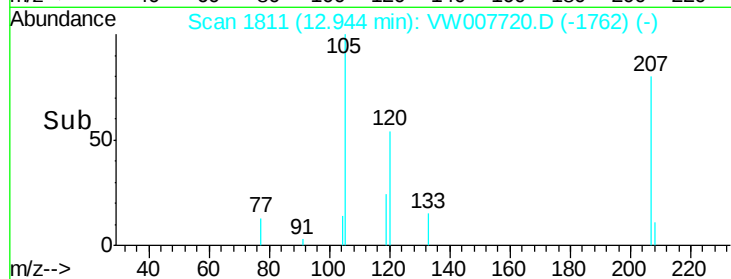
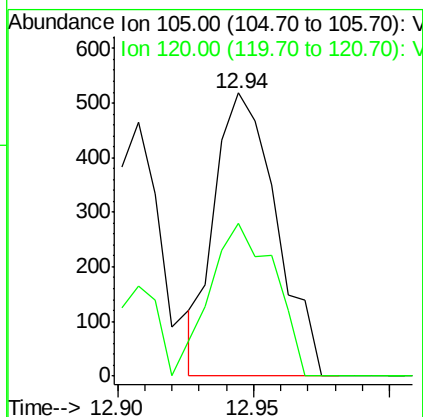
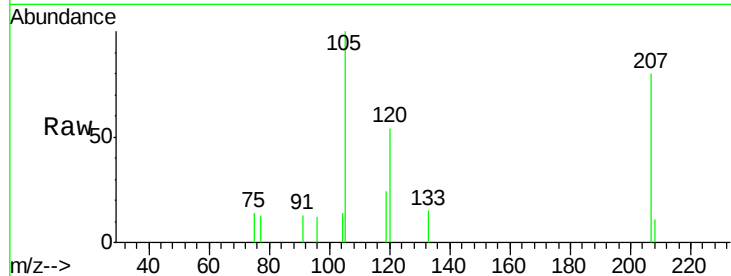




#80
 1,3,5-Trimethylbenzene
 Concen: 132.651 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007720.D
 Acq: 20 Dec 2018 01:13

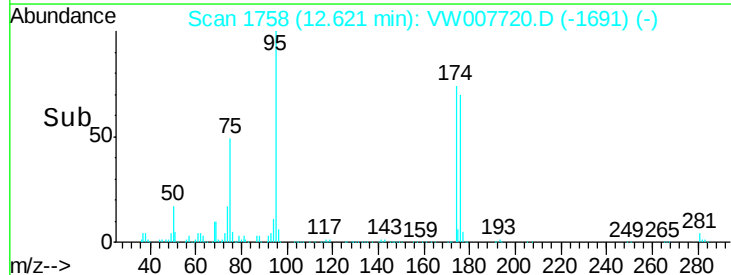
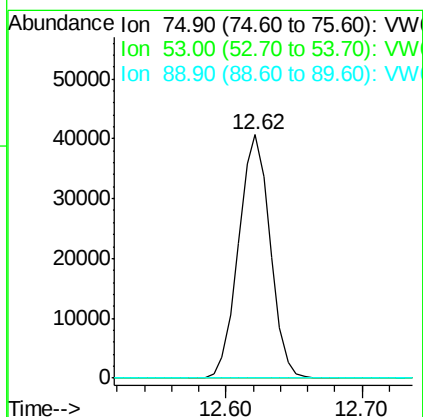
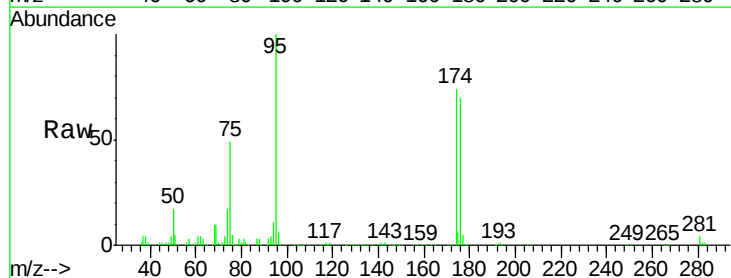
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

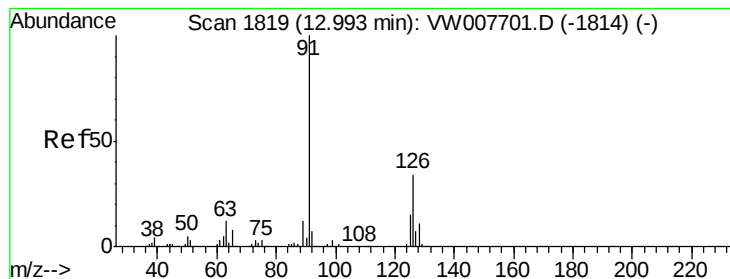
Tgt Ion: 105 Resp: 813
 Ion Ratio Lower Upper
 105 100
 120 56.7 23.6 70.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 189982.989 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW007720.D
 Acq: 20 Dec 2018 01:13

Tgt Ion: 75 Resp: 65757
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.1 39.2 58.8#





#82

4-Chlorotoluene

Concen: 14.229 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.06 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

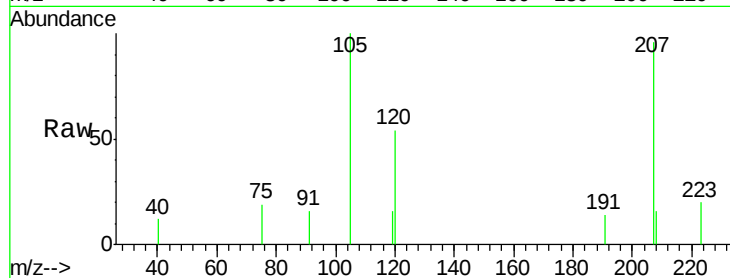
BFB

Tgt Ion: 91 Resp: 73

Ion Ratio Lower Upper

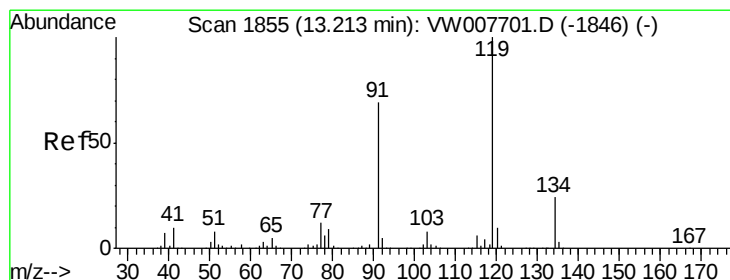
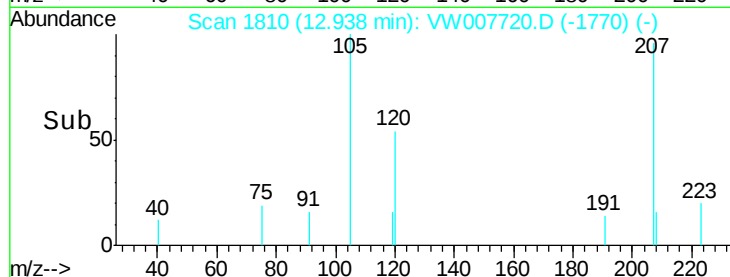
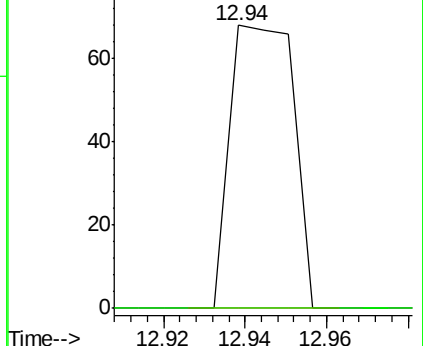
91 100

126 0.0 16.5 49.5#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 78.659 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.05 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

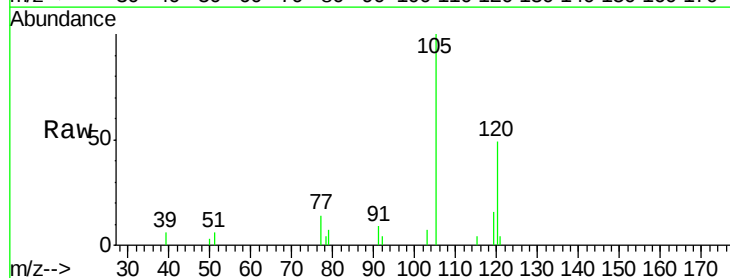
Tgt Ion: 119 Resp: 423

Ion Ratio Lower Upper

119 100

91 86.5 34.2 102.5

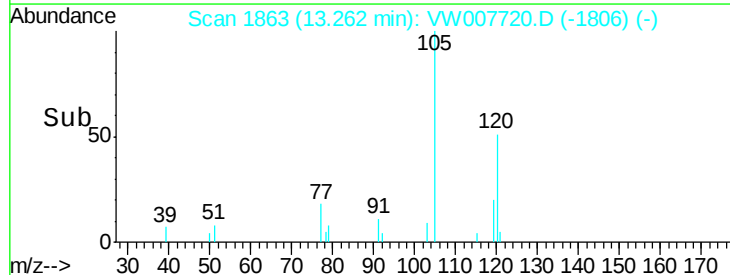
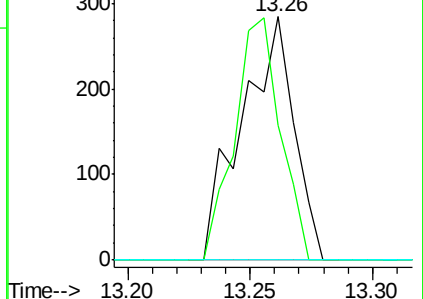
134 0.0 12.8 38.4#

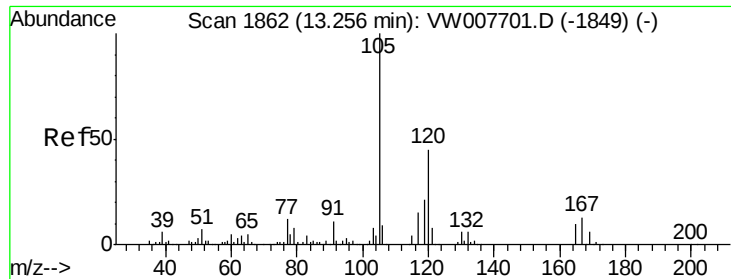


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V

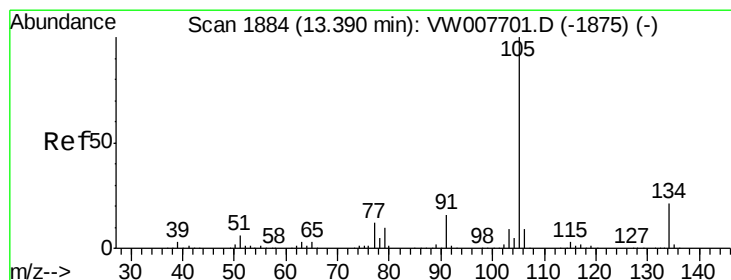
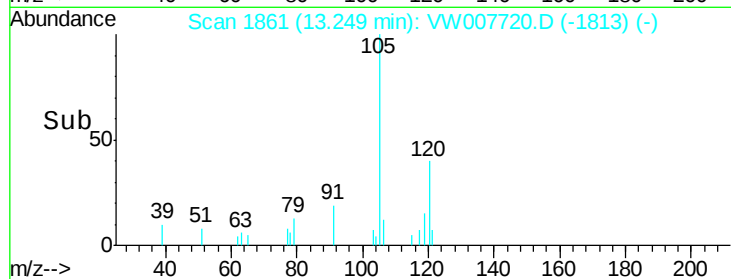
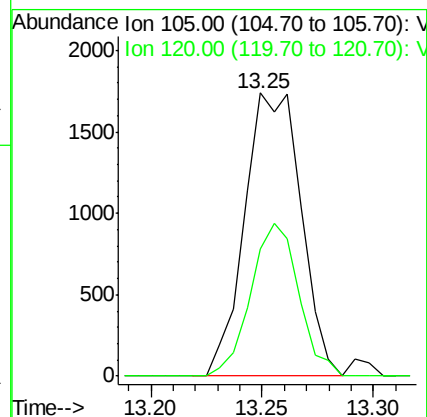
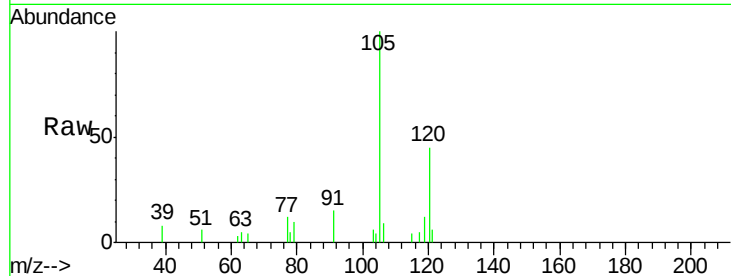




#84
 1,2,4-Trimethylbenzene
 Concen: 495.765 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW007720.D
 Acq: 20 Dec 2018 01:13

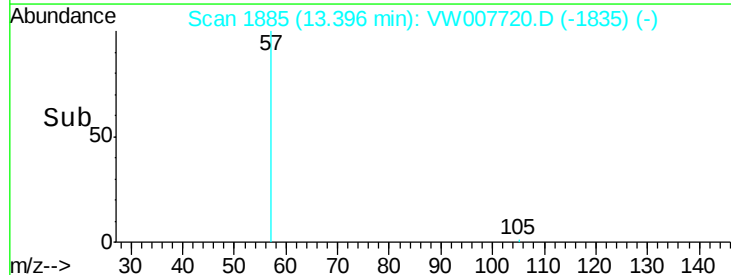
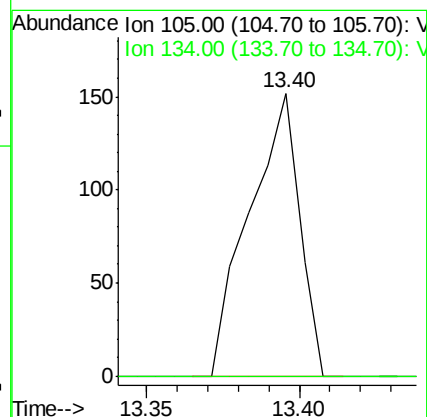
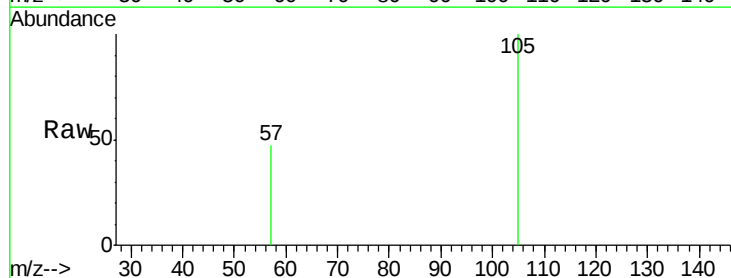
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

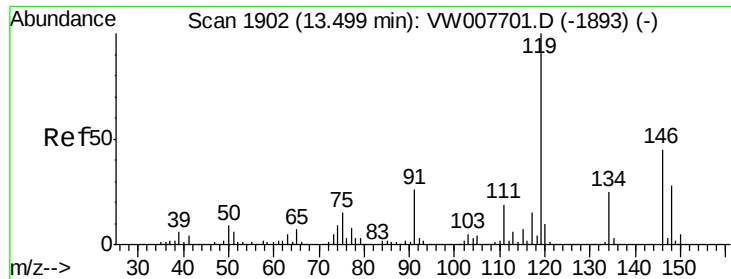
Tgt Ion:105 Resp: 3066
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 23.343 ug/l
 RT: 13.40 min Scan# 1885
 Delta R.T. 0.01 min
 Lab File: VW007720.D
 Acq: 20 Dec 2018 01:13

Tgt Ion:105 Resp: 173
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#

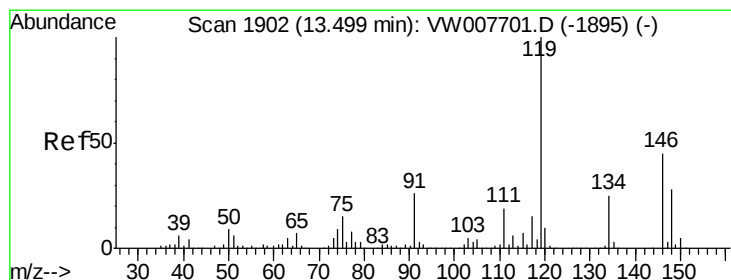
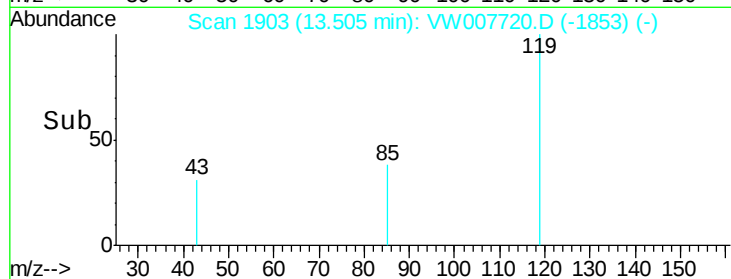
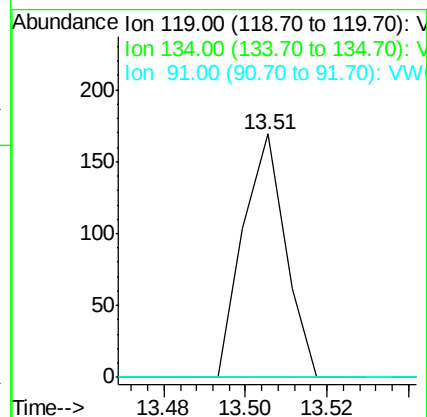
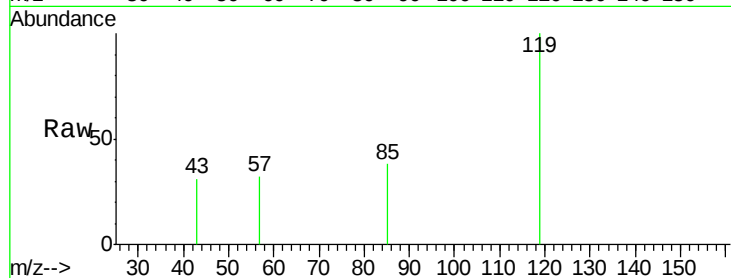




#86
 p-Isopropyltoluene
 Concen: 18.251 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007720.D
 Acq: 20 Dec 2018 01:13

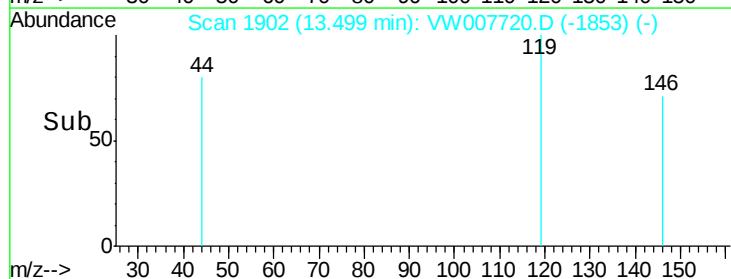
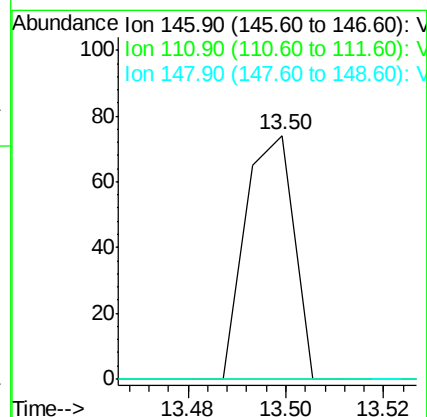
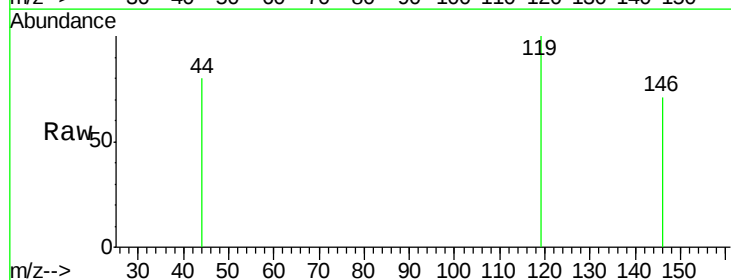
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

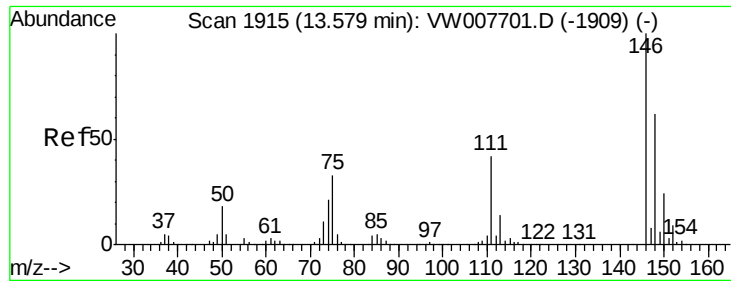
Tgt Ion:119 Resp: 123
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 39.0#
 91 0.0 12.8 38.4#



#87
 1,3-Dichlorobenzene
 Concen: 15.774 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007720.D
 Acq: 20 Dec 2018 01:13

Tgt Ion:146 Resp: 51
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.1 63.4#
 148 0.0 32.1 96.5#





#88

1,4-Dichlorobenzene

Concen: 15.770 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.08 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

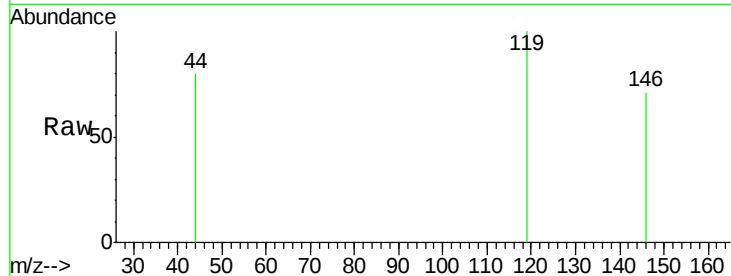
Instrument :

MSVOA_W

ClientSampleId :

BFB

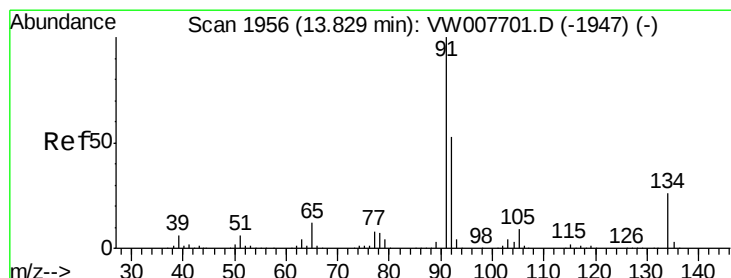
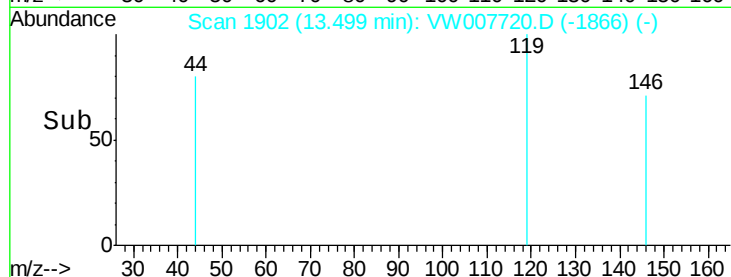
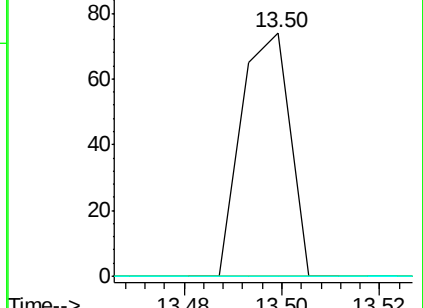
Tgt Ion:	146	Resp:	51
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.0	63.0#
148	0.0	31.8	95.4#



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



#89

n-Butylbenzene

Concen: 46.286 ug/l

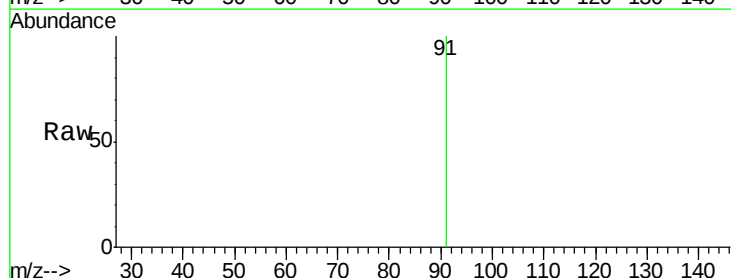
RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

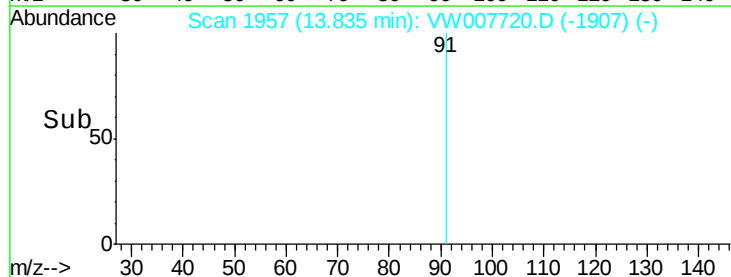
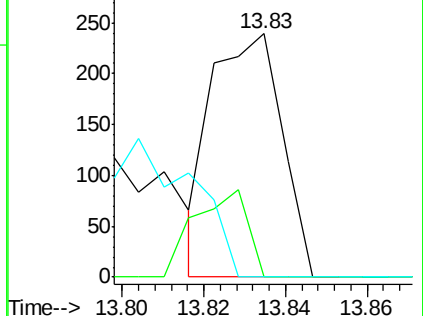
Tgt Ion:	91	Resp:	286
Ion	Ratio	Lower	Upper
91	100		
92	26.9	26.4	79.2
134	0.0	13.7	41.0#

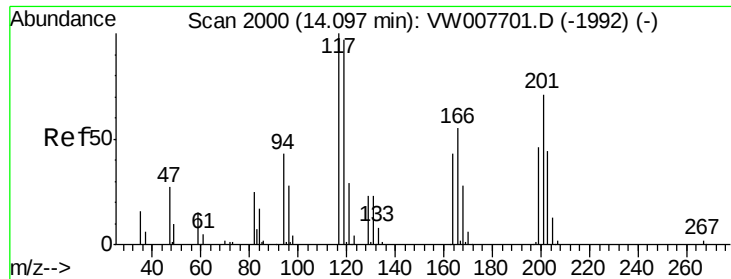


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 54.093 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

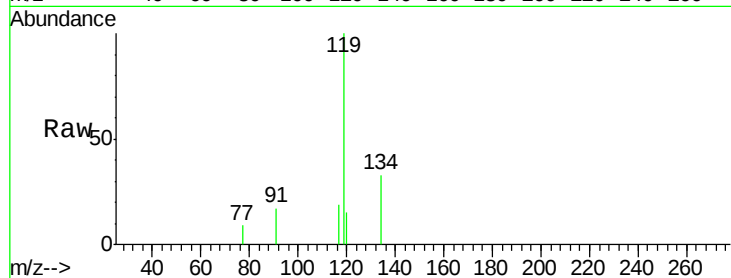
BFB

Tgt Ion:117 Resp: 64

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

14.11

120

100

80

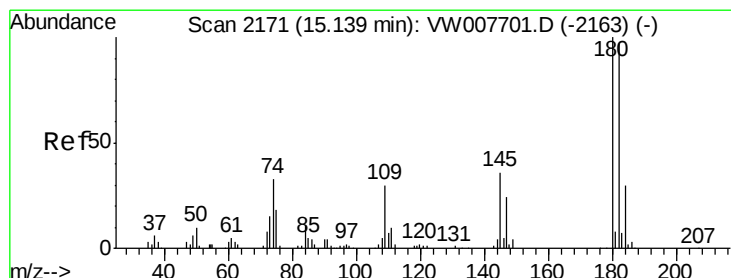
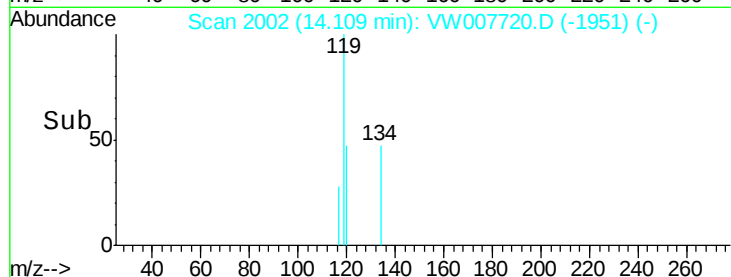
60

40

20

0

Time--> 14.08 14.10 14.12



#93

1,2,4-Trichlorobenzene

Concen: 47.279 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW007720.D

Acq: 20 Dec 2018 01:13

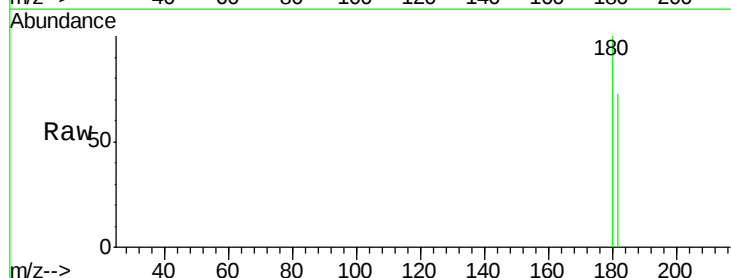
Tgt Ion:180 Resp: 95

Ion Ratio Lower Upper

180 100

182 62.1 47.5 142.6

145 0.0 17.5 52.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

15.14

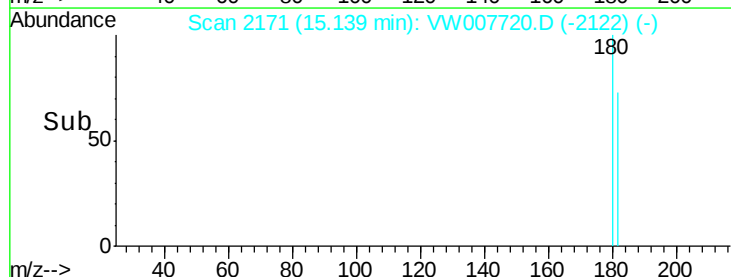
150

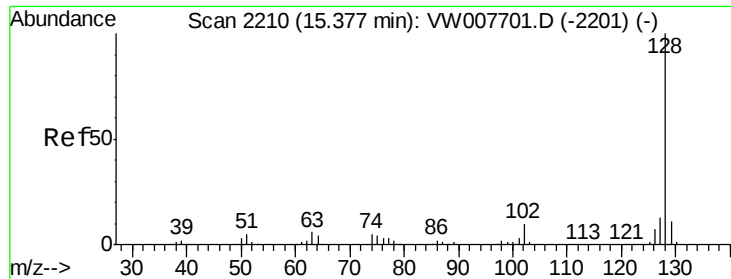
100

50

0

Time--> 15.12 15.14 15.16





#95

Naphthalene

Concen: 737.285 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007720.D

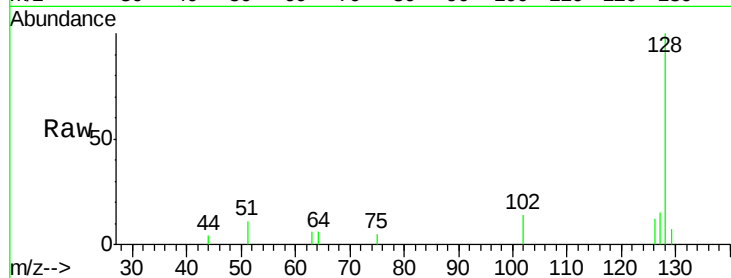
Acq: 20 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

BFB



Tgt Ion:128 Resp: 2739

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 9.1 8.8 13.2

