

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101918\
 Data File : VW006237.D
 Acq On : 19 Oct 2018 20:30
 Operator : VA/AP
 Sample : J5197-03RE
 Misc : 5.47G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-101918RE

Quant Time: Oct 20 03:32:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	194435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	291284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	232887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	95697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	98034	60.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.64%	
35) Dibromofluoromethane	7.89	113	91649	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.33	98	307586	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	12.63	95	97614	39.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.38%	

Target Compounds

					Qvalue
8) Diethyl Ether	3.68	74	2396	2.736	ug/l 97
20) Methylene Chloride	4.91	84	17734	9.065	ug/l 93
52) Toluene	10.39	92	6933	1.404	ug/l 100
68) m/p-Xylenes	11.84	106	4899	1.435	ug/l 95
69) o-Xylene	12.17	106	4837	1.486	ug/l 99
78) n-propylbenzene	12.81	91	16636	2.115	ug/l 100
80) 1,3,5-Trimethylbenzene	12.95	105	32651	5.729	ug/l 100
84) 1,2,4-Trimethylbenzene	13.26	105	144611	25.074	ug/l 100
85) sec-Butylbenzene	13.39	105	14034	1.948	ug/l 86
86) p-Isopropyltoluene	13.51	119	11225	1.723	ug/l 98
89) n-Butylbenzene	13.83	91	30714	5.154	ug/l # 78
95) Naphthalene	15.38	128	41338	10.986	ug/l 96

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

```
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Data File : VW006237.D  
Acq On    : 19 Oct 2018   20:30  
Operator  : VA/AP  
Sample    : J5197-03RE  
Misc      : 5.47G/5ML/MSVOA W/SOIL  
ALS Vial  : 17    Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

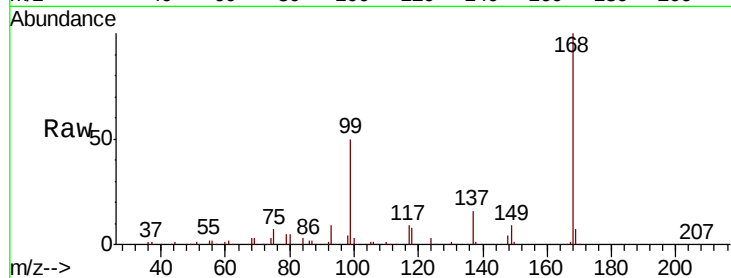
HD-02-101918RE

Tot Ion:168 Resp: 194435

Ion Ratio Lower Upper

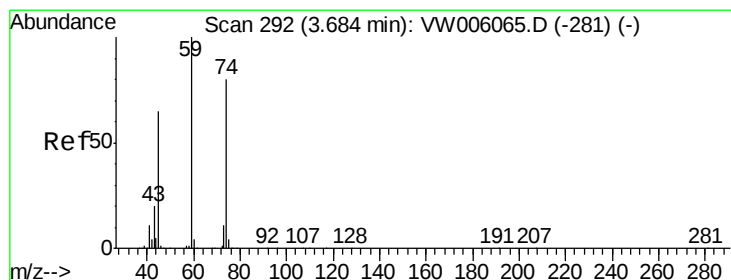
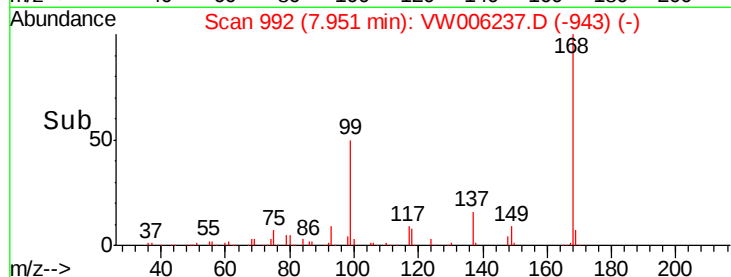
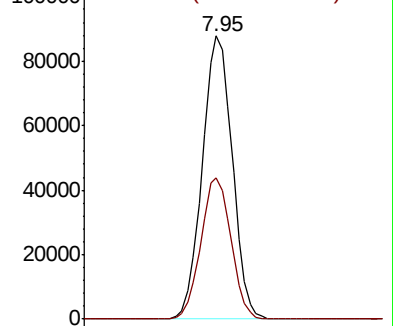
168 100

99 50.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.736 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006237.D

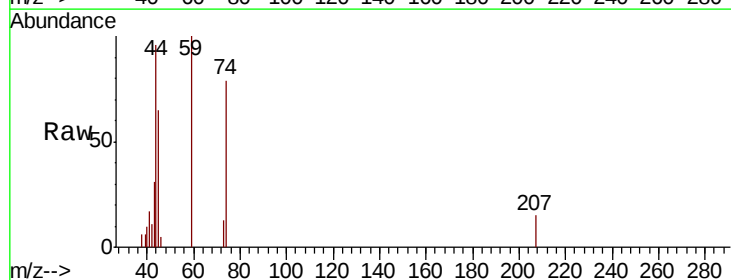
Acq: 19 Oct 2018 20:30

Tgt Ion: 74 Resp: 2396

Ion Ratio Lower Upper

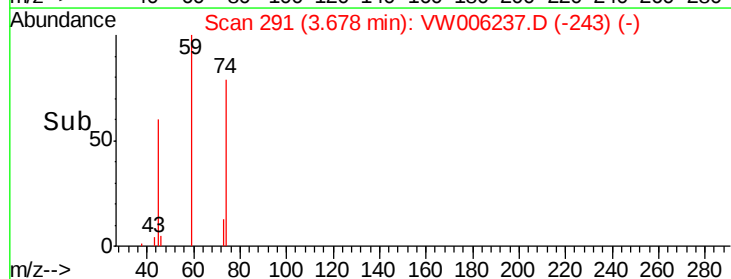
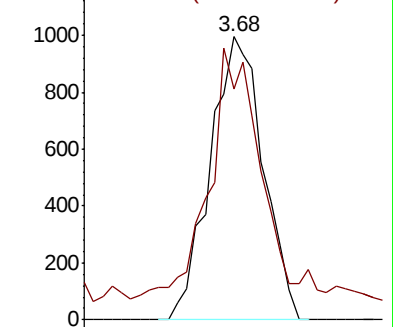
74 100

45 82.9 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#20

Methylene Chloride

Concen: 9.065 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

HD-02-101918RE

Tot Ion: 84 Resp: 17734

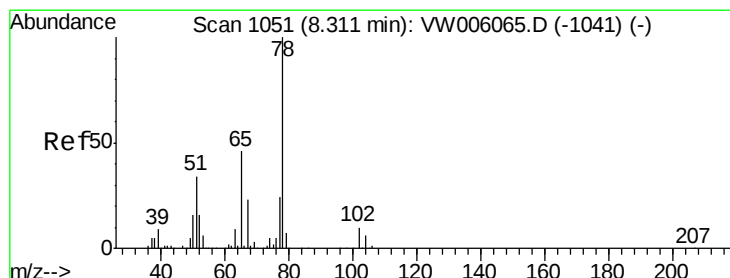
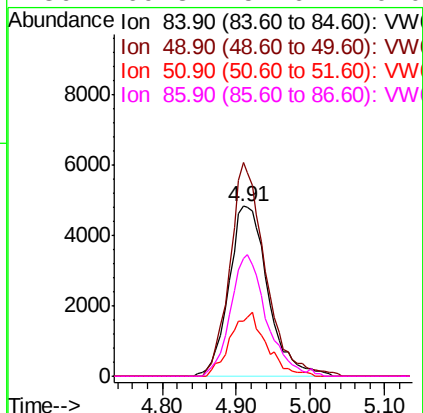
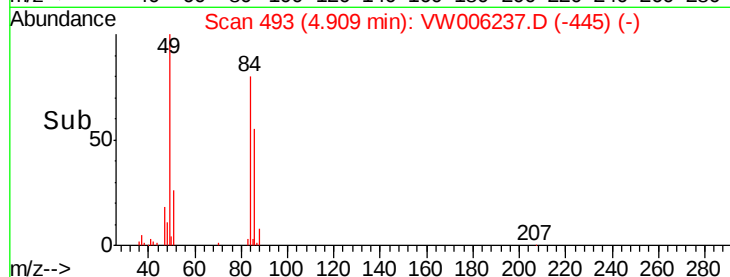
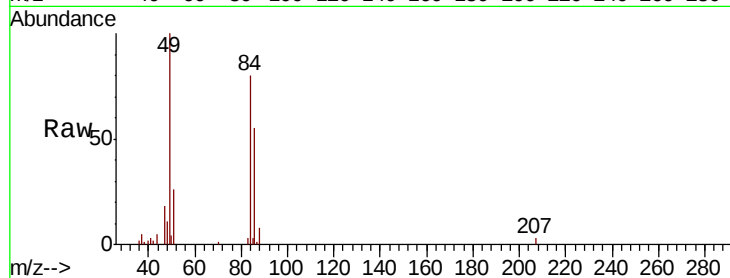
Ion Ratio Lower Upper

84 100

49 125.8 93.6 140.4

51 32.1 29.0 43.4

86 69.3 52.6 79.0



#33

1,2-Dichloroethane-d4

Concen: 60.816 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006237.D

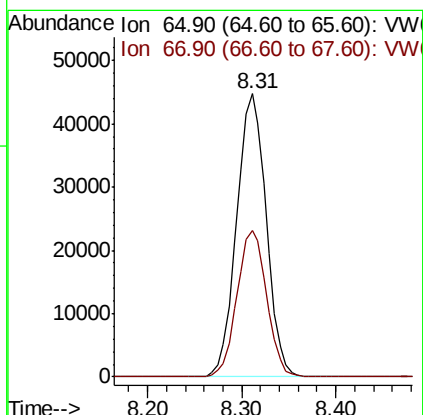
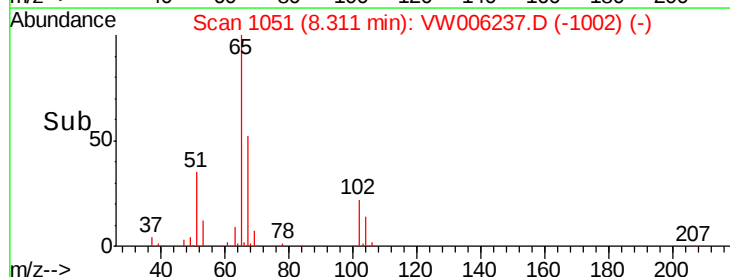
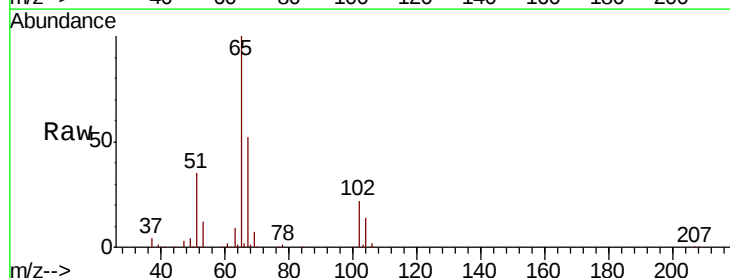
Acq: 19 Oct 2018 20:30

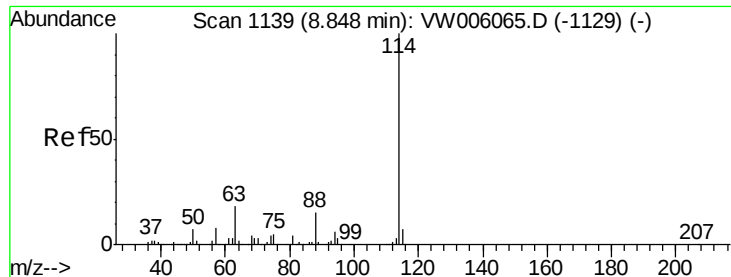
Tgt Ion: 65 Resp: 98034

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

HD-02-101918RE

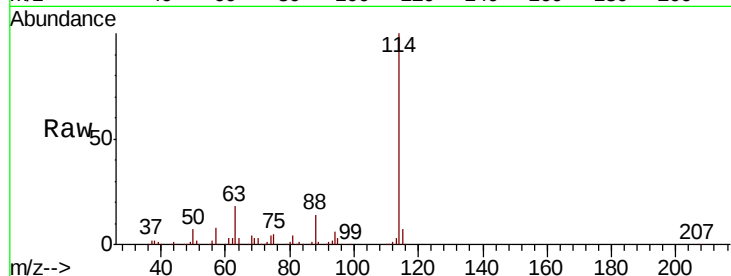
Tot Ion:114 Resp: 291284

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 13.9 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

200000

150000

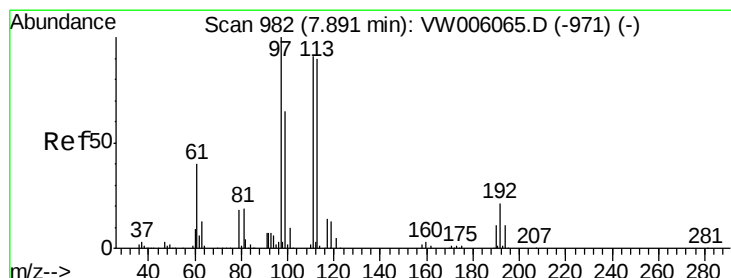
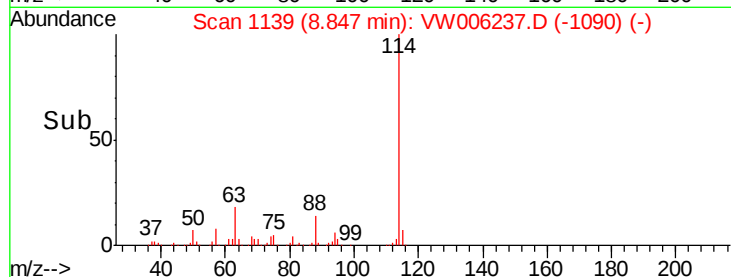
100000

50000

0

8.80 8.85 8.90

Time-->



#35

Dibromofluoromethane

Concen: 53.248 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

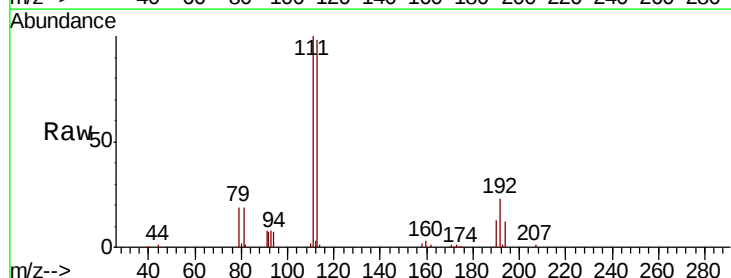
Tgt Ion:113 Resp: 91649

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 23.1 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

50000

40000

30000

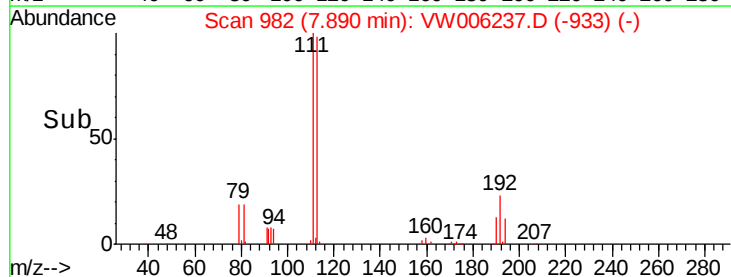
20000

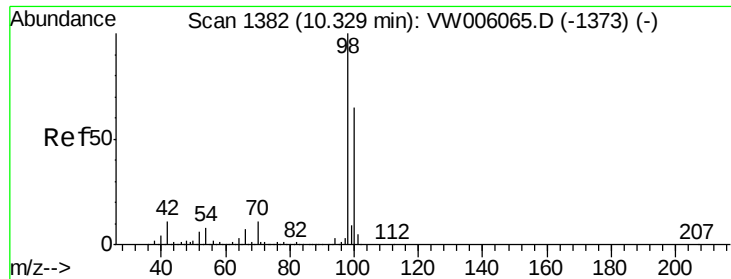
10000

0

7.80 7.89 8.00

Time-->





#50

Toluene-d8

Concen: 46.972 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

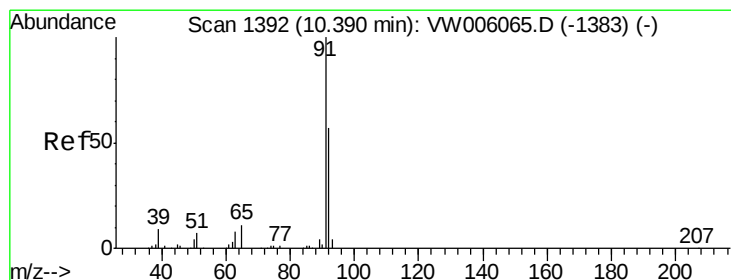
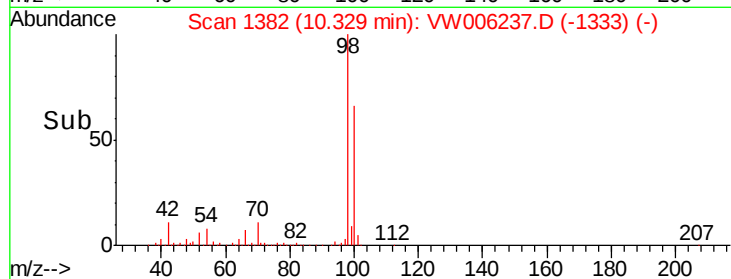
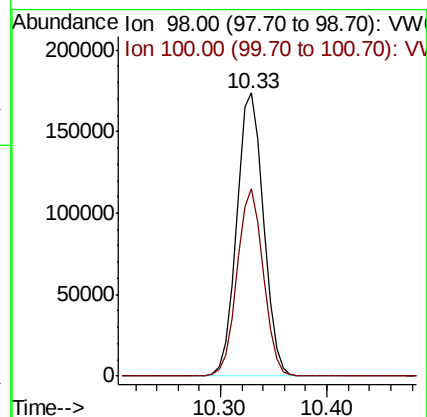
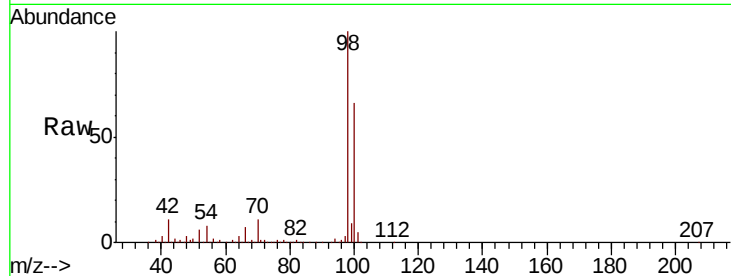
HD-02-101918RE

Tot Ion: 98 Resp: 307586

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



#52

Toluene

Concen: 1.404 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006237.D

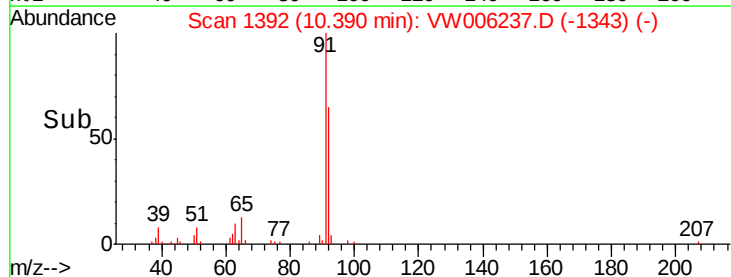
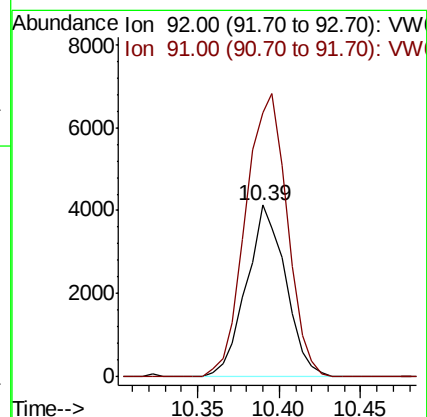
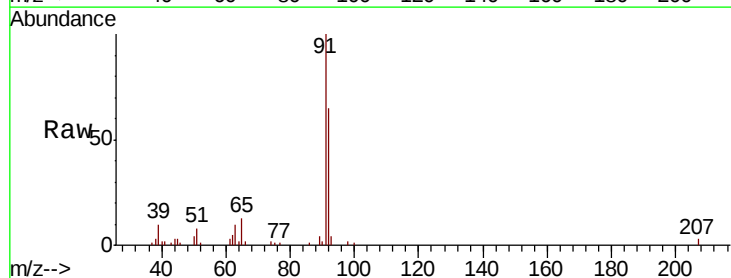
Acq: 19 Oct 2018 20:30

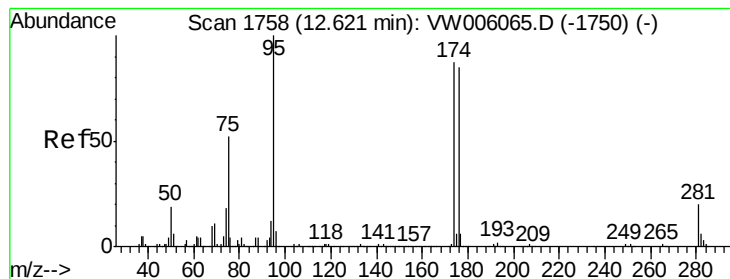
Tgt Ion: 92 Resp: 6933

Ion Ratio Lower Upper

92 100

91 174.6 140.0 210.0





#62

4-Bromofluorobenzene

Concen: 39.689 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

HD-02-101918RE

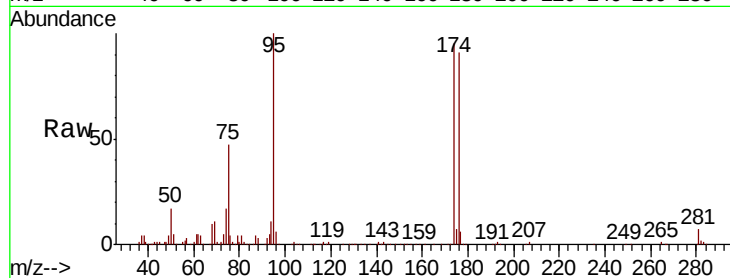
Tot Ion: 95 Resp: 97614

Ion Ratio Lower Upper

95 100

174 93.7 0.0 186.0

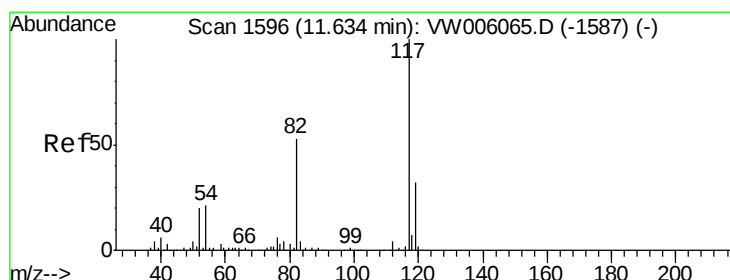
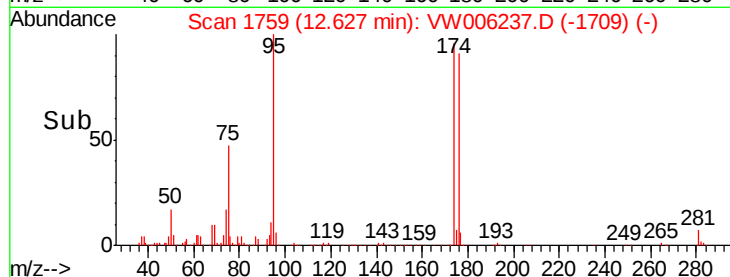
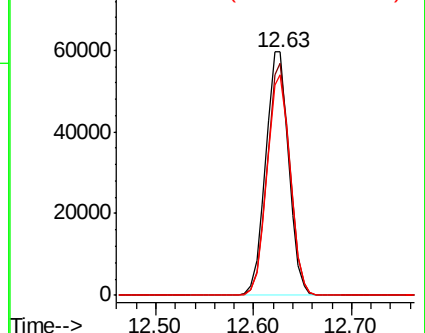
176 90.6 0.0 181.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

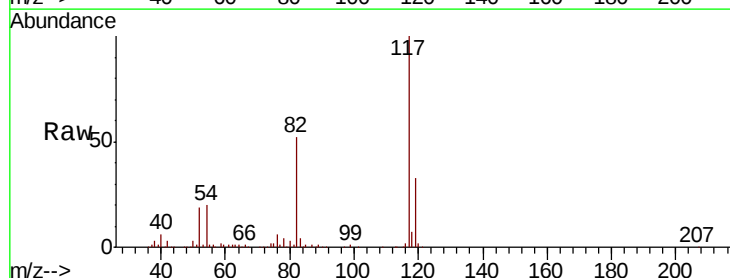
Tgt Ion: 117 Resp: 232887

Ion Ratio Lower Upper

117 100

82 52.2 42.1 63.1

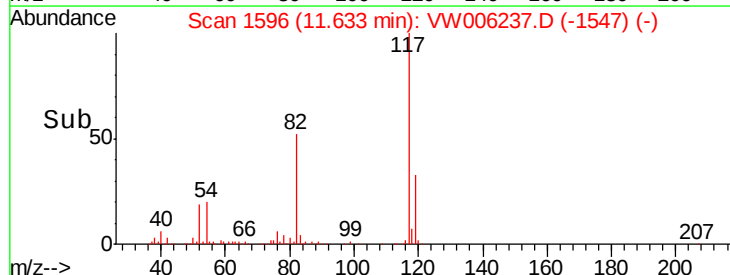
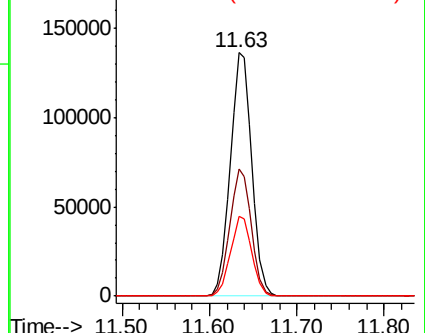
119 32.7 25.8 38.6

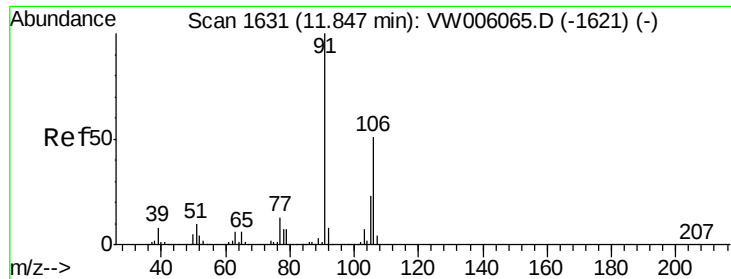


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

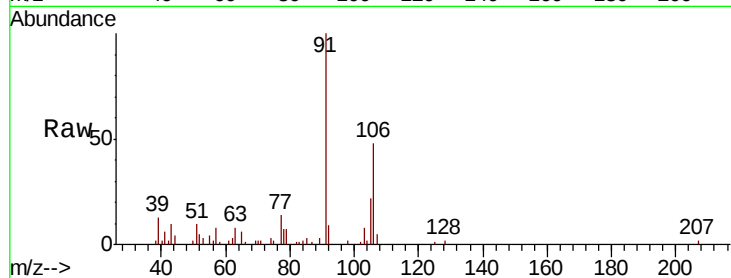




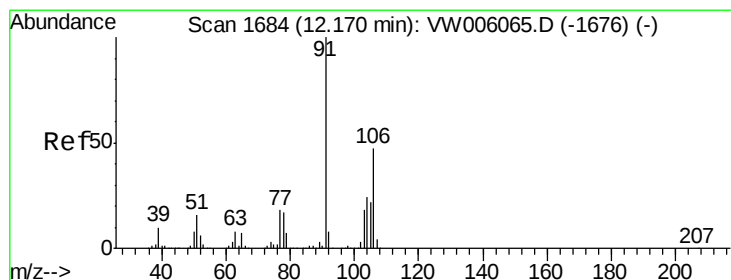
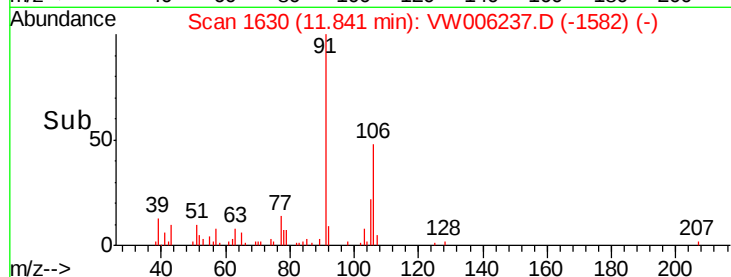
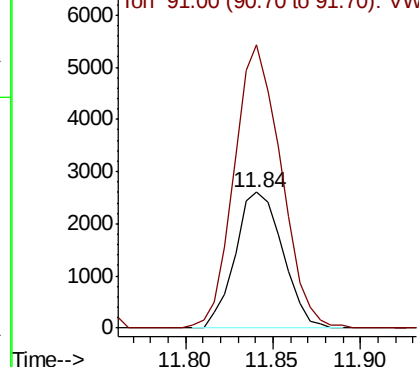
#68
m/p-Xylenes
Concen: 1.435 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006237.D
Acq: 19 Oct 2018 20:30

Instrument :
MSVOA_W
ClientSampleId :
HD-02-101918RE

Tot Ion:106 Resp: 4899
Ion Ratio Lower Upper
106 100
91 206.9 159.1 238.7

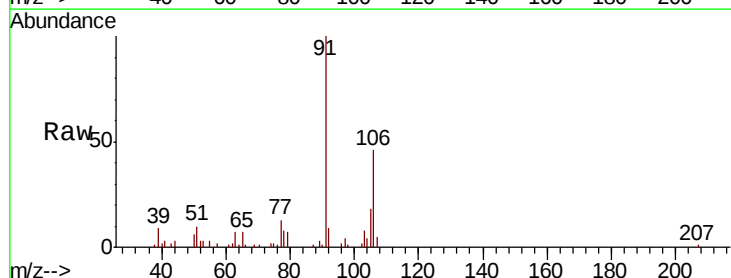


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

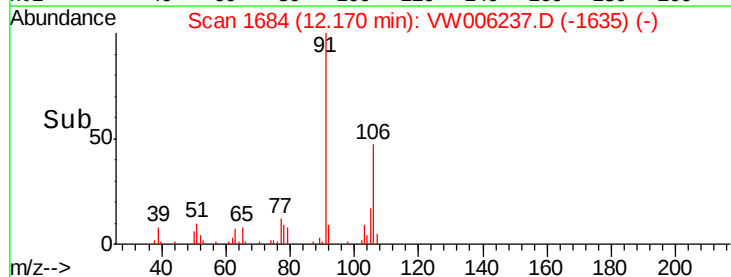
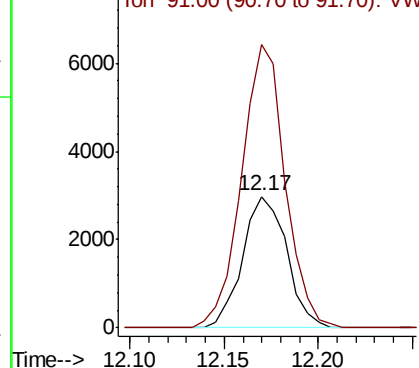


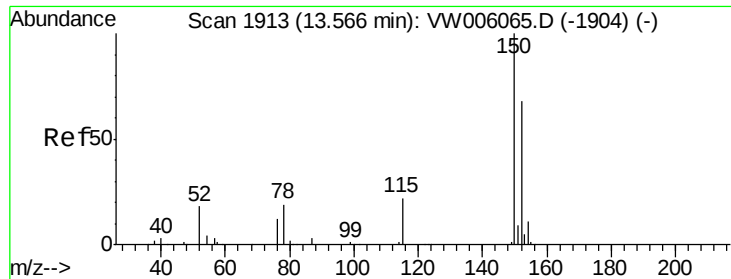
#69
o-Xylene
Concen: 1.486 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006237.D
Acq: 19 Oct 2018 20:30

Tgt Ion:106 Resp: 4837
Ion Ratio Lower Upper
106 100
91 212.4 105.4 316.1



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

HD-02-101918RE

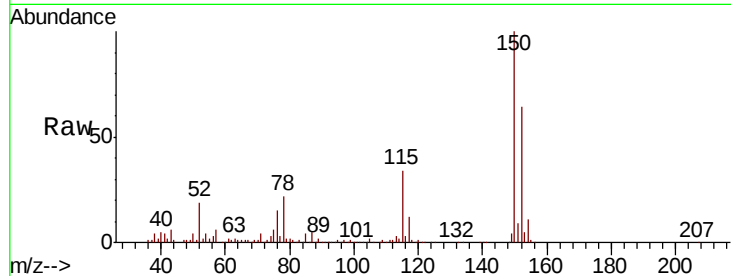
Tot Ion:152 Resp: 95697

Ion Ratio Lower Upper

152 100

115 58.5 27.8 83.3

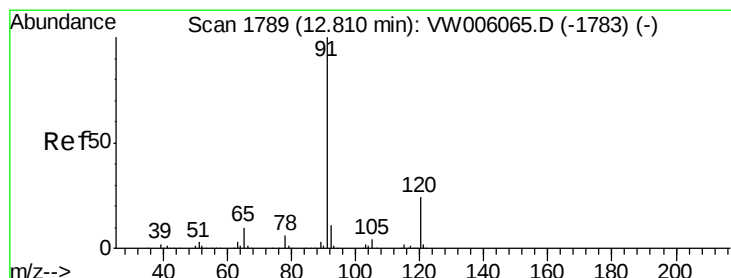
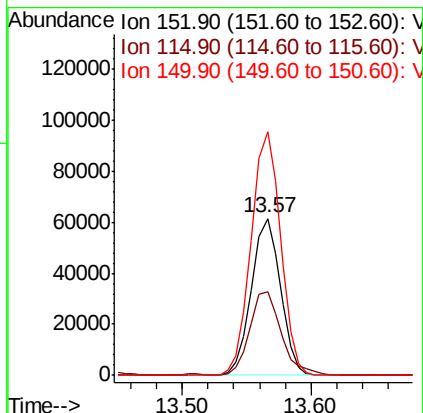
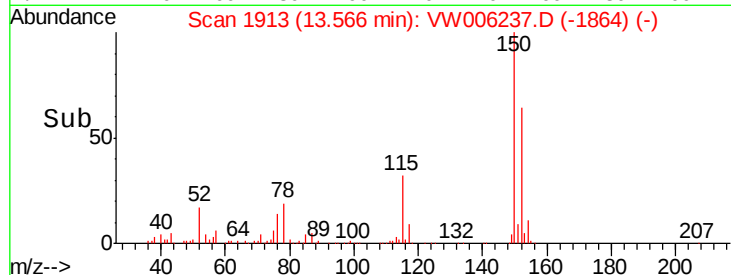
150 156.7 0.0 349.2



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



#78

n-propylbenzene

Concen: 2.115 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006237.D

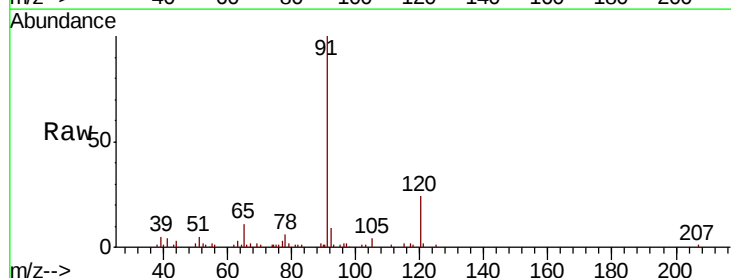
Acq: 19 Oct 2018 20:30

Tgt Ion: 91 Resp: 16636

Ion Ratio Lower Upper

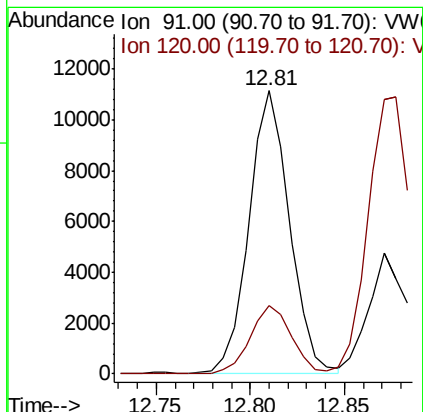
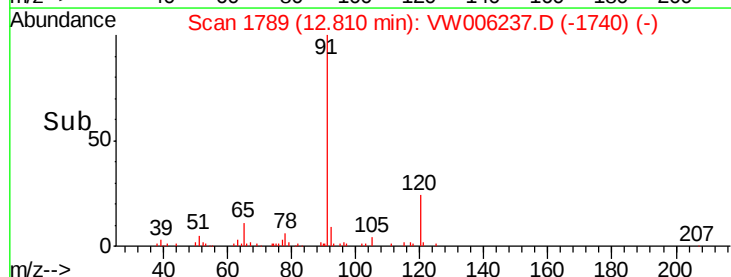
91 100

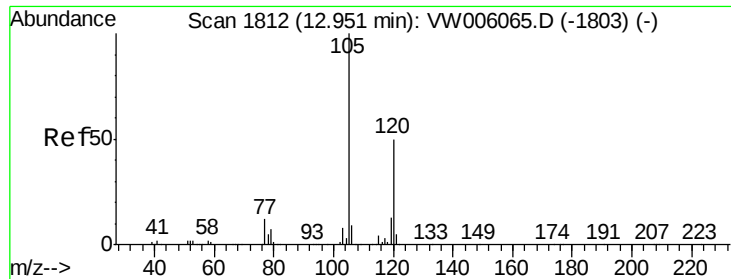
120 24.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

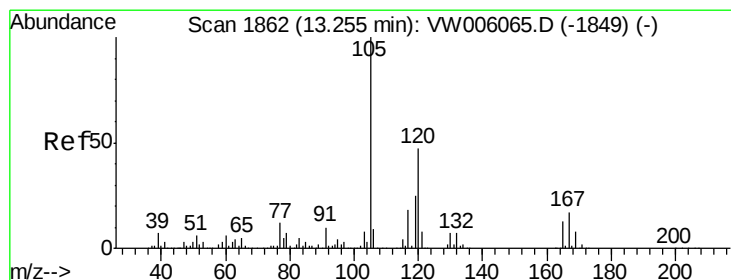
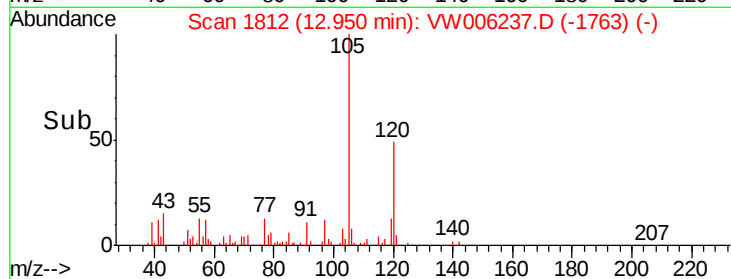
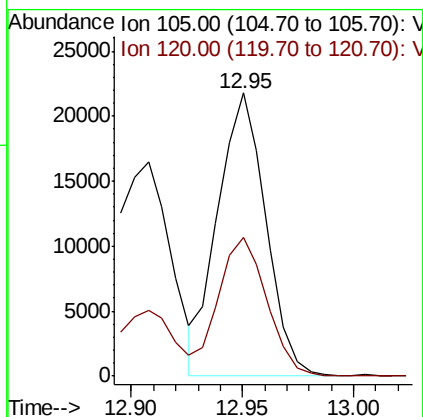
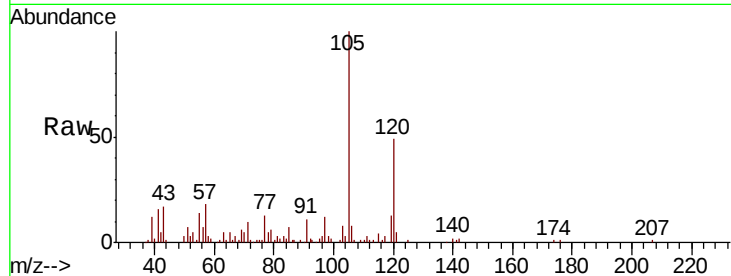




#80
 1,3,5-Trimethylbenzene
 Concen: 5.729 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006237.D
 Acq: 19 Oct 2018 20:30

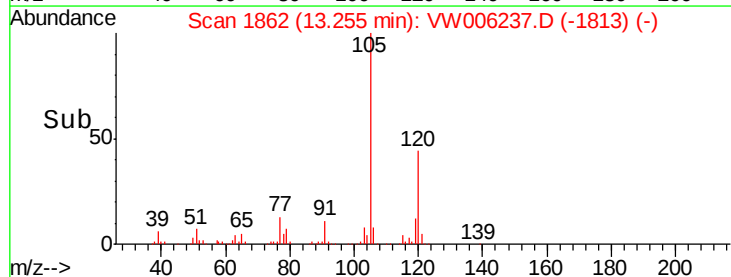
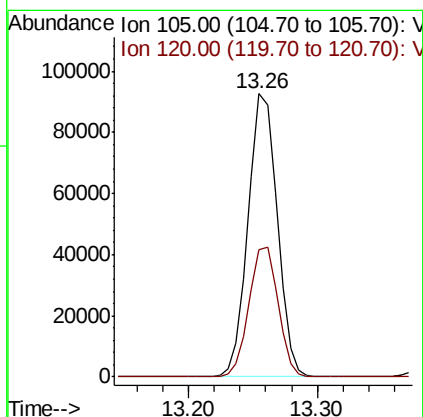
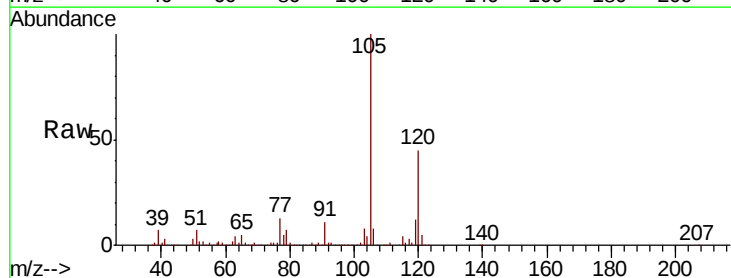
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-101918RE

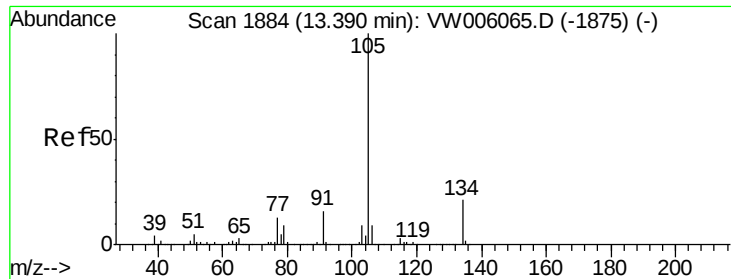
Tot Ion:105 Resp: 32651
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.9 74.6



#84
 1,2,4-Trimethylbenzene
 Concen: 25.074 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006237.D
 Acq: 19 Oct 2018 20:30

Tgt Ion:105 Resp: 144611
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.3





#85

sec-Butylbenzene

Concen: 1.948 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

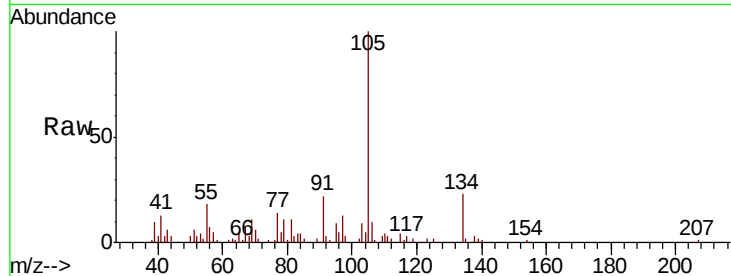
HD-02-101918RE

Tot Ion:105 Resp: 14034

Ion Ratio Lower Upper

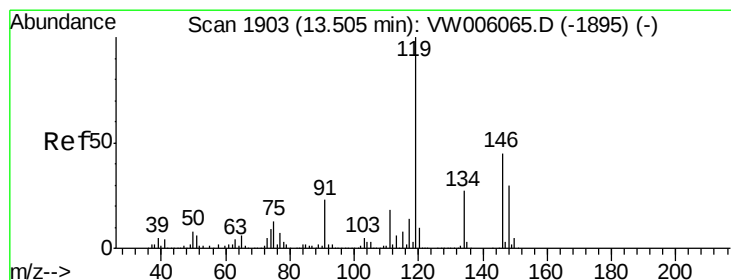
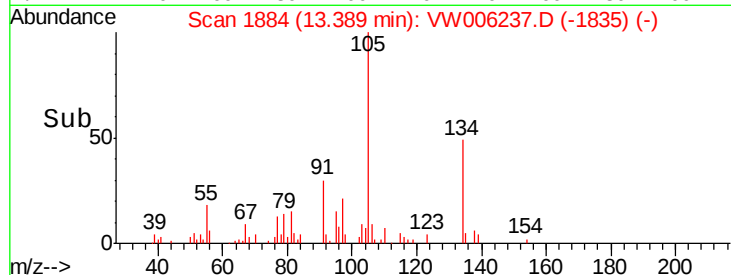
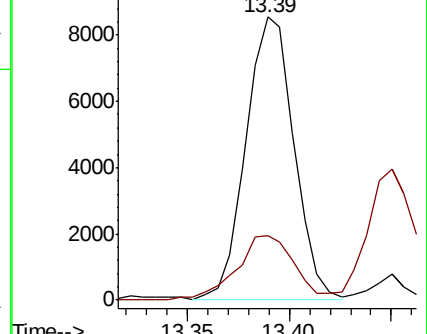
105 100

134 27.5 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.723 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

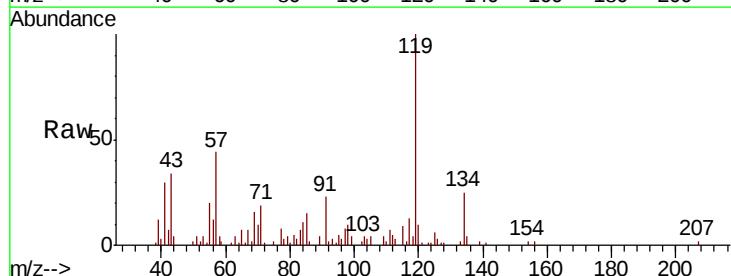
Tgt Ion:119 Resp: 11225

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

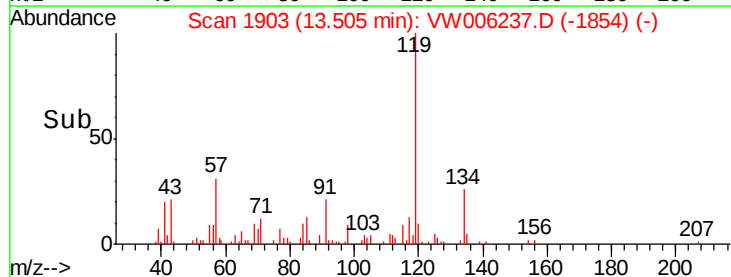
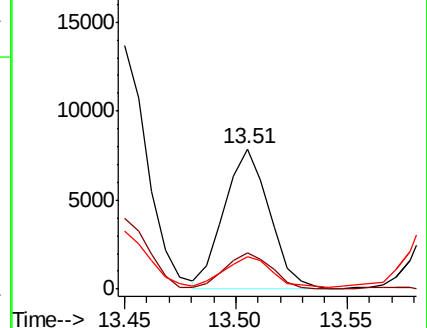
91 21.6 11.4 34.1

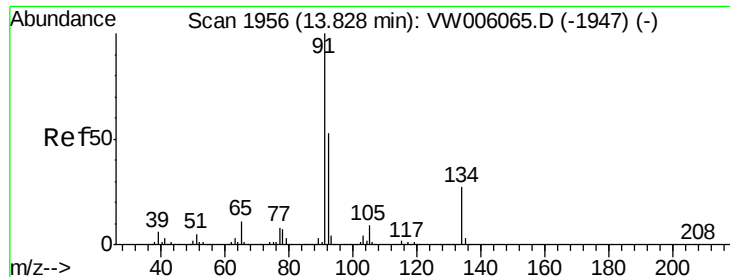


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 5.154 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

HD-02-101918RE

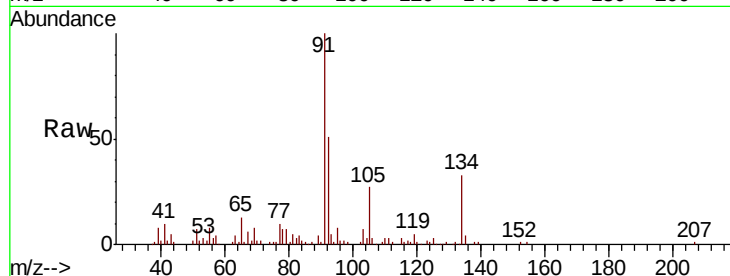
Tot Ion: 91 Resp: 30714

Ion Ratio Lower Upper

91 100

92 57.6 26.6 79.7

134 0.0 14.0 41.9#

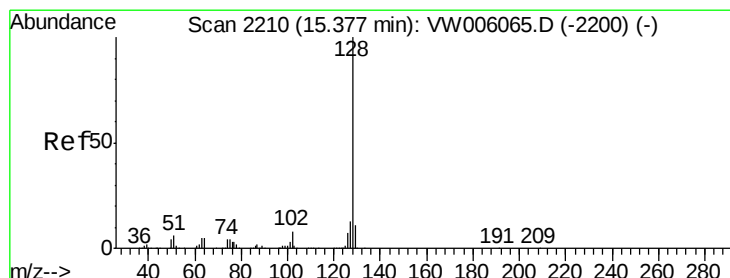
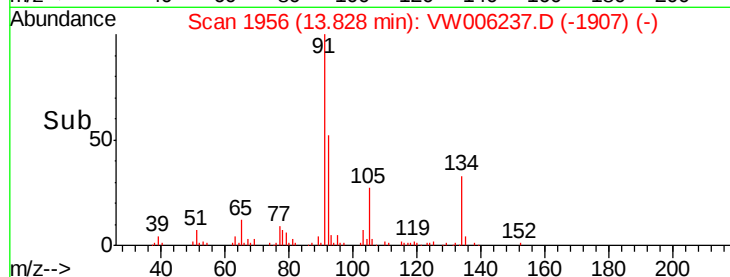
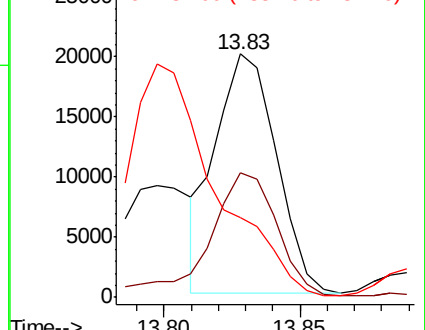


Abundance

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): VW



#95

Naphthalene

Concen: 10.986 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006237.D

Acq: 19 Oct 2018 20:30

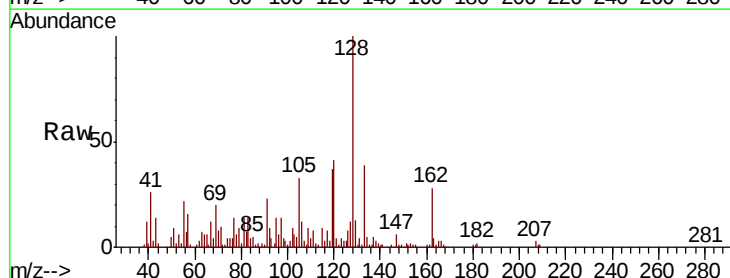
Tgt Ion: 128 Resp: 41338

Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

129 8.9 8.7 13.1



Abundance

Ion 128.00 (127.70 to 128.70): VW

Ion 127.00 (126.70 to 127.70): VW

Ion 129.00 (128.70 to 129.70): VW

