

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004883.D
 Acq On : 22 Aug 2018 11:19
 Operator : SY/AP
 Sample : J4271-11RE
 Misc : 6.37G/5ML/MSVOA W/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-082018-BRE

Quant Time: Aug 22 11:42:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	403634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	115501	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	161776	70.38	ug/l	0.00
Spiked Amount			Recovery	=	140.76%	
35) Dibromofluoromethane	7.88	113	616	0.24	ug/l	0.00
Spiked Amount			Recovery	=	0.48%	
50) Toluene-d8	10.33	98	319228	31.70	ug/l	0.00
Spiked Amount			Recovery	=	63.40%	
62) 4-Bromofluorobenzene	12.62	95	114452	31.59	ug/l	0.00
Spiked Amount			Recovery	=	63.18%	

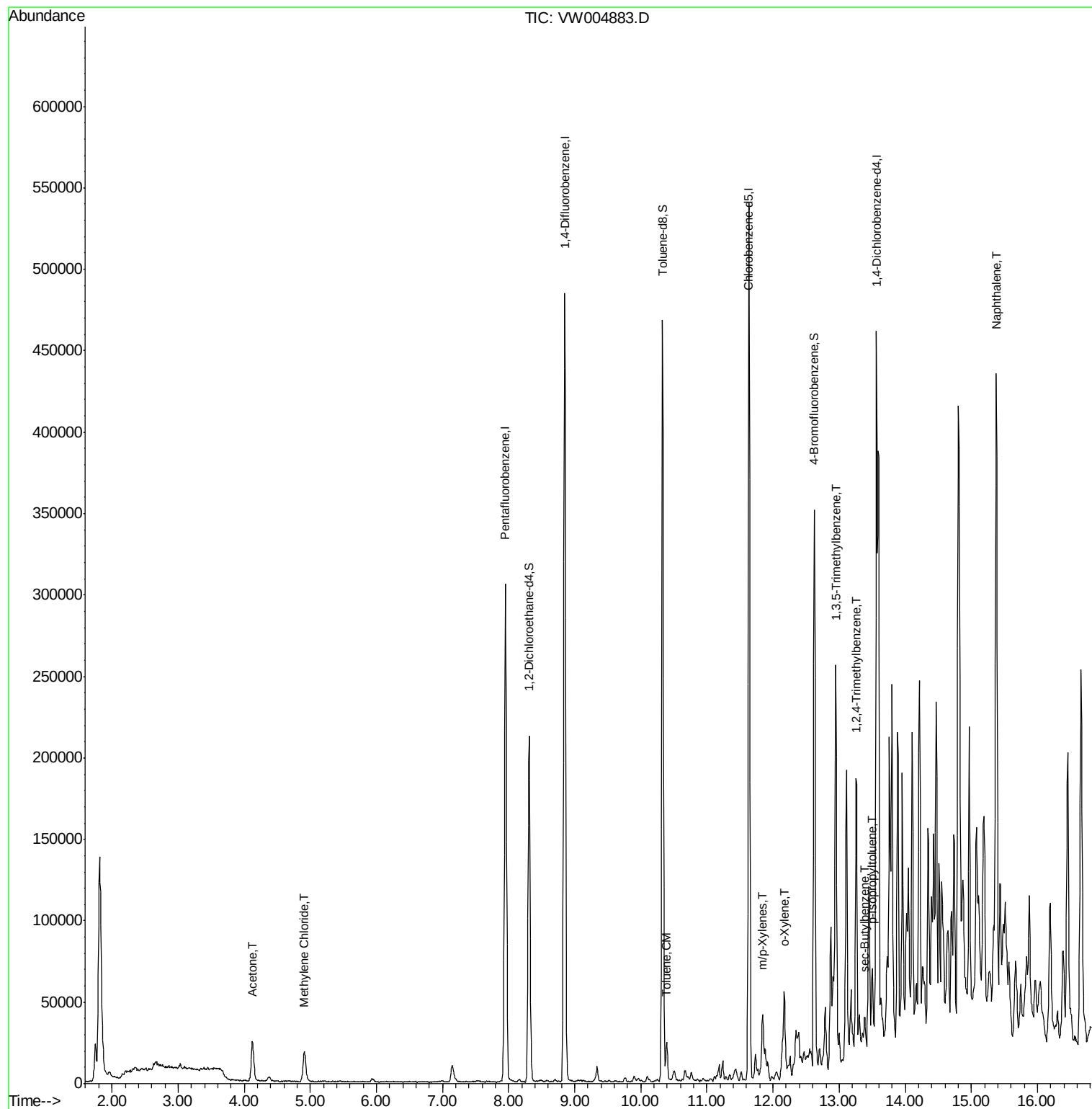
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	41719	71.10	ug/l	99
20) Methylene Chloride	4.91	84	14154	1.06	ug/l	95
52) Toluene	10.39	92	9631	1.33	ug/l	94
68) m/p-Xylenes	11.84	106	8502	1.88	ug/l	92
69) o-Xylene	12.17	106	12576	3.00	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	97082	14.54	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	94962	13.83	ug/l	99
85) sec-Butylbenzene	13.39	105	8935	1.05	ug/l #	75
86) p-Isopropyltoluene	13.51	119	19817	2.67	ug/l	98
95) Naphthalene	15.38	128	333793	68.69	ug/l	99

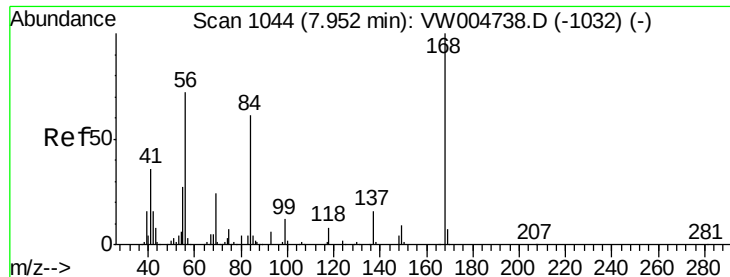
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004883.D

Acq: 22 Aug 2018 11:19

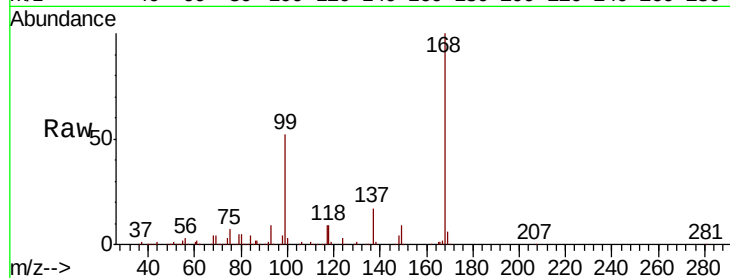
Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-BRE

Tot Ion:168 Resp: 237754

Ion Ratio Lower Upper

168 100

99 51.7 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

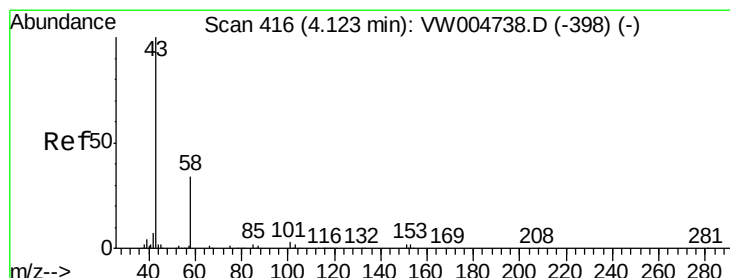
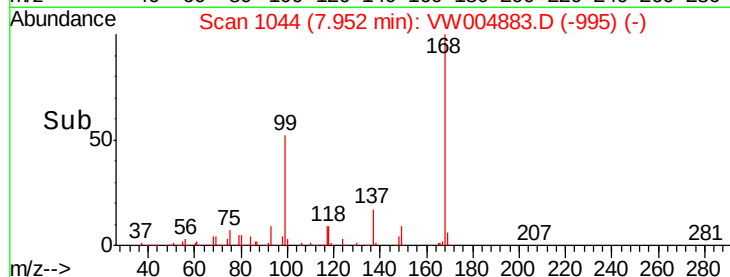
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 71.10 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW004883.D

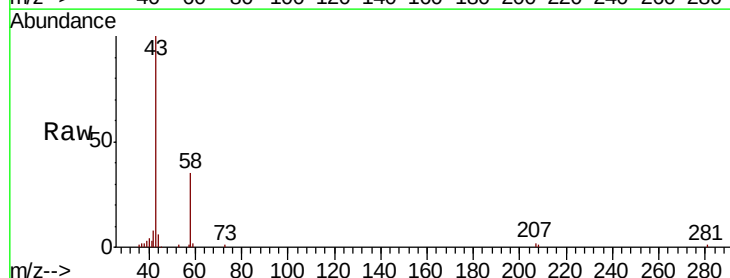
Acq: 22 Aug 2018 11:19

Tgt Ion: 43 Resp: 41719

Ion Ratio Lower Upper

43 100

58 34.7 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

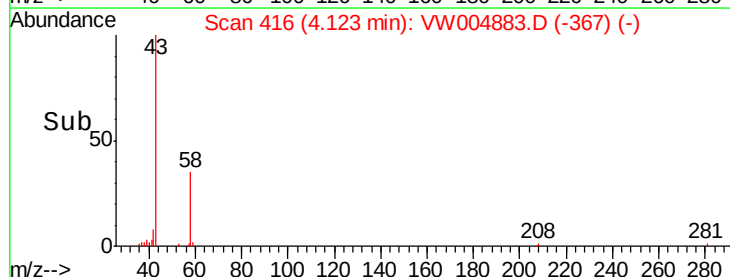
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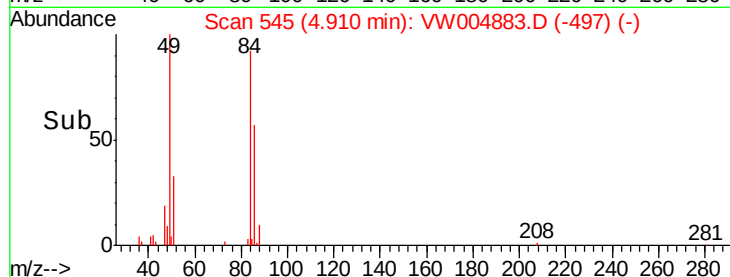
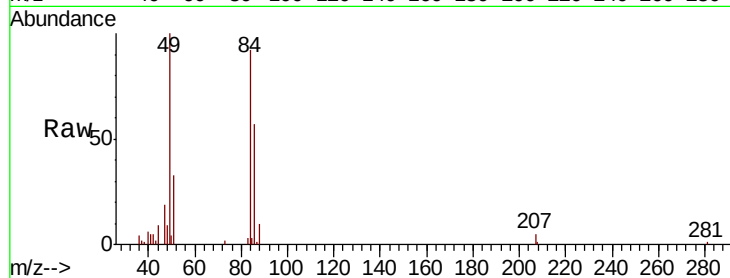
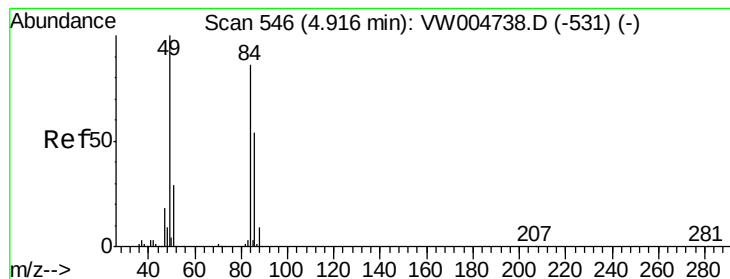
10000

5000

0

Time-->





#20

Methylene Chloride

Concen: 1.06 ug/l

RT: 4.91 min Scan# 545

Delta R.T. -0.01 min

Lab File: VW004883.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

HR-06-082018-BRE

Tot Ion: 84 Resp: 14154

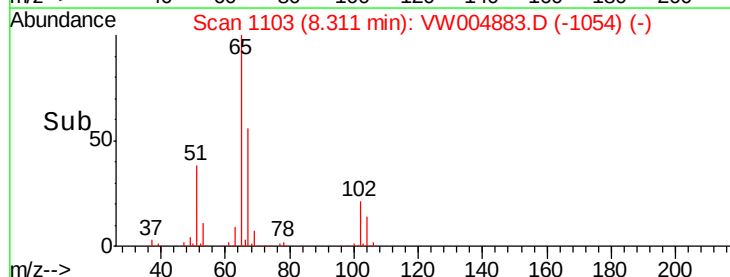
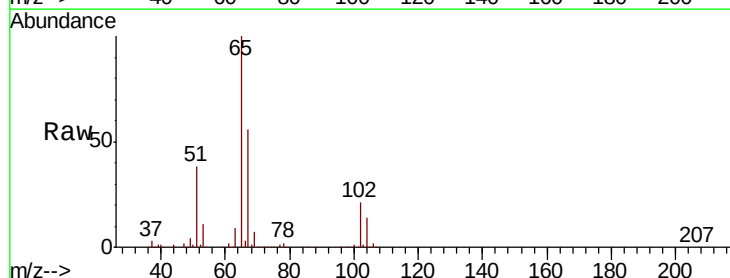
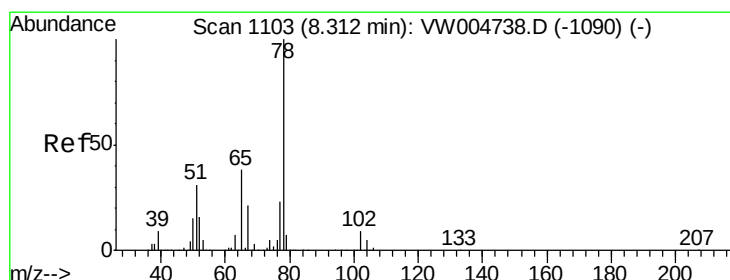
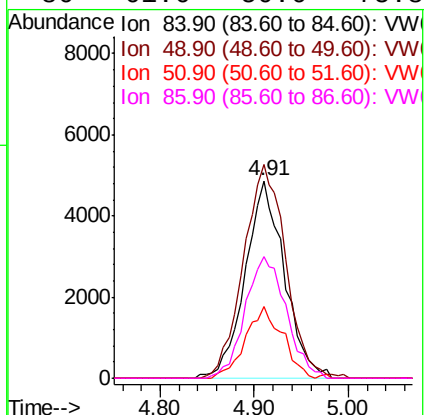
Ion Ratio Lower Upper

84 100

49 108.1 93.2 139.8

51 36.1 27.4 41.0

86 61.6 50.6 75.8



#33

1,2-Dichloroethane-d4

Concen: 70.38 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004883.D

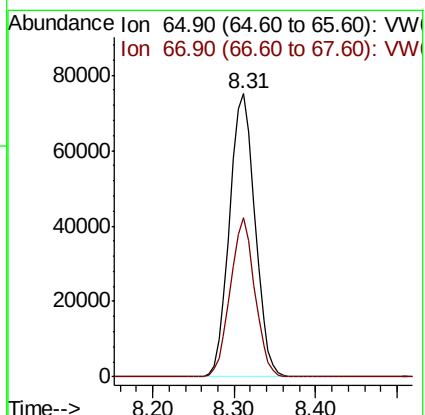
Acq: 22 Aug 2018 11:19

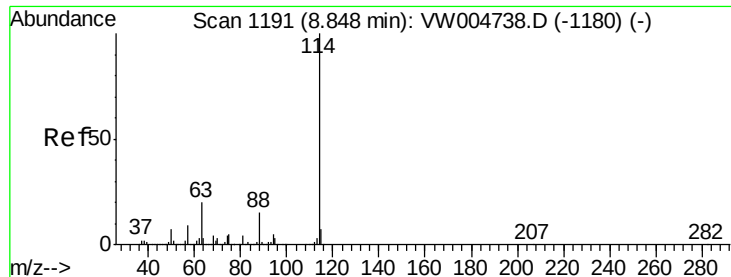
Tgt Ion: 65 Resp: 161776

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.4

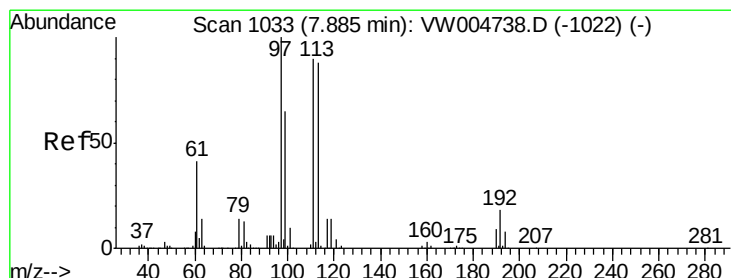
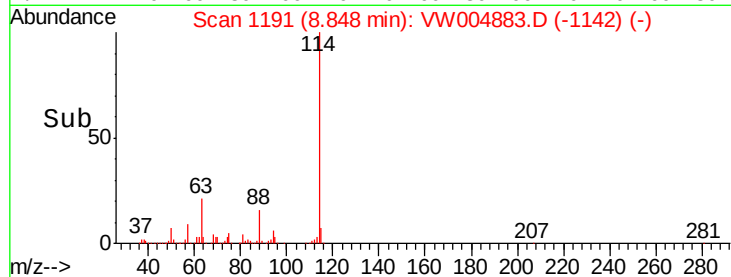
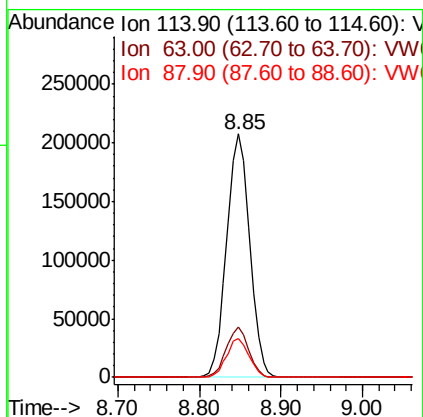
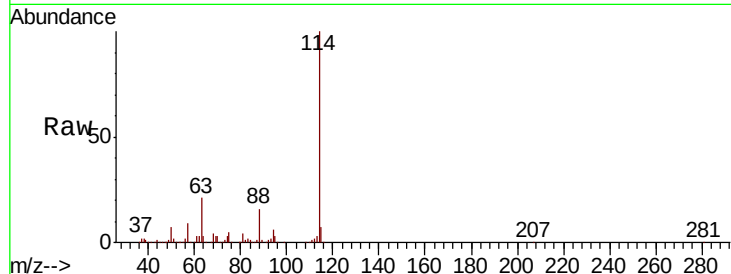




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004883.D
 Acq: 22 Aug 2018 11:19

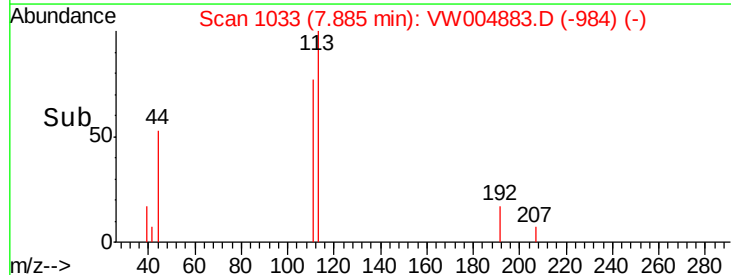
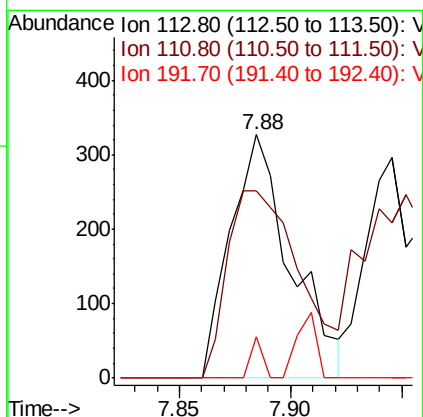
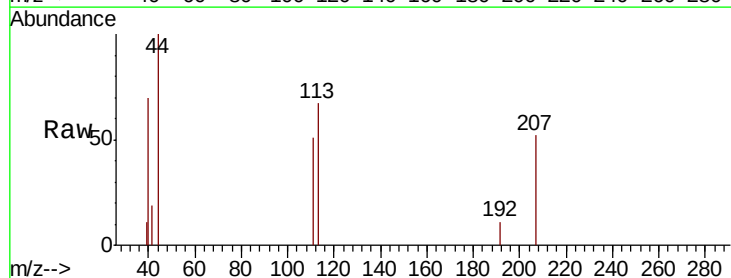
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-082018-BRE

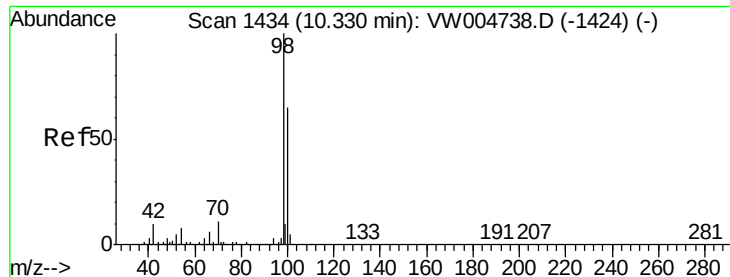
Tot Ion:114 Resp: 403634
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.0
 88 16.1 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 0.24 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004883.D
 Acq: 22 Aug 2018 11:19

Tgt Ion:113 Resp: 616
 Ion Ratio Lower Upper
 113 100
 111 93.0 82.4 123.6
 192 3.2 16.7 25.1#





#50

Toluene-d8

Concen: 31.70 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004883.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

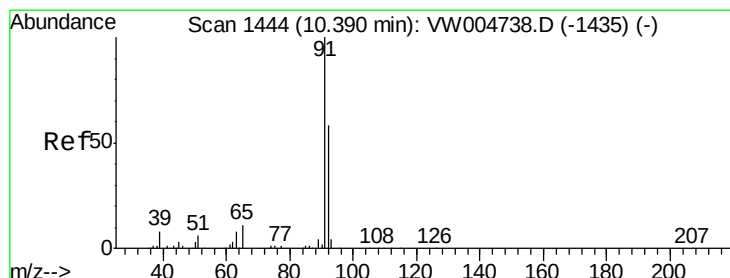
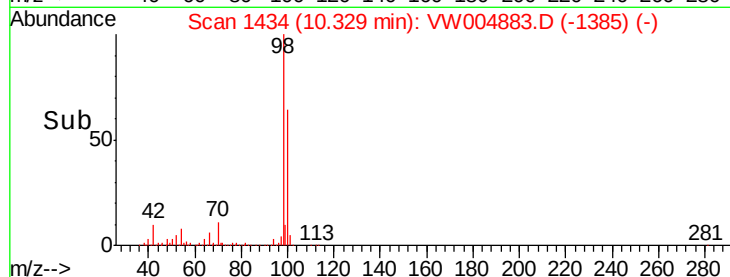
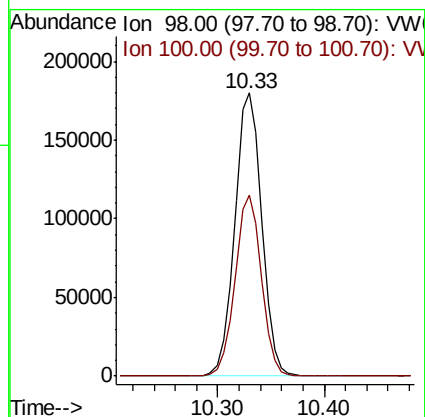
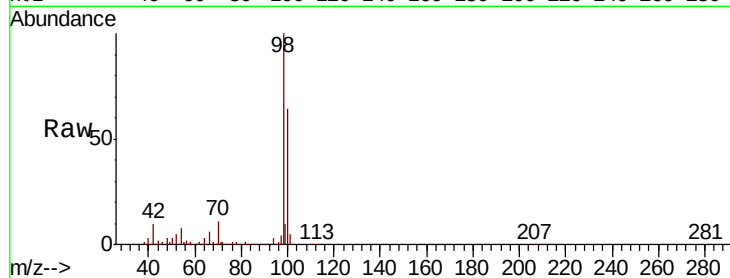
HR-06-082018-BRE

Tot Ion: 98 Resp: 319228

Ion Ratio Lower Upper

98 100

100 62.4 51.8 77.8



#52

Toluene

Concen: 1.33 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004883.D

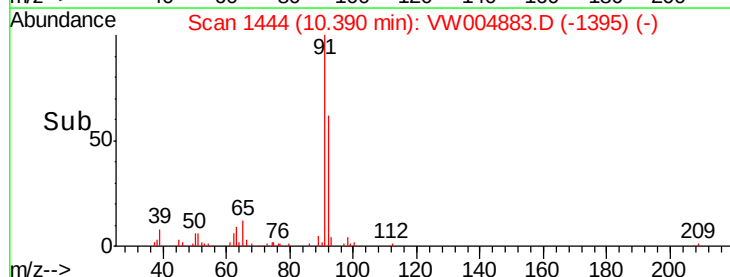
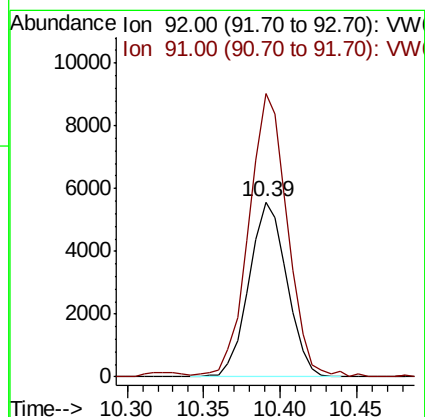
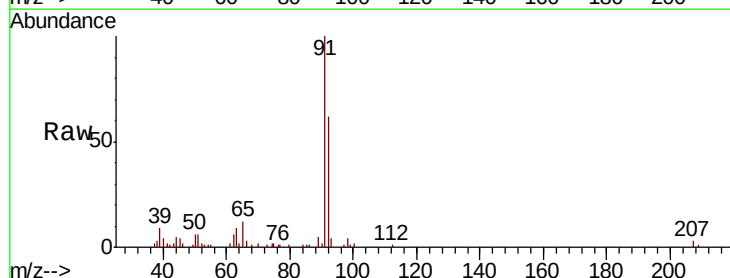
Acq: 22 Aug 2018 11:19

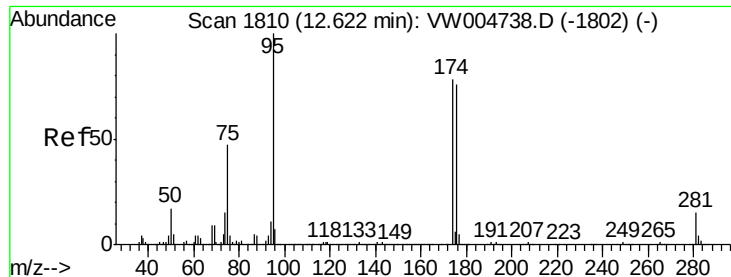
Tgt Ion: 92 Resp: 9631

Ion Ratio Lower Upper

92 100

91 165.0 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 31.59 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004883.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

HR-06-082018-BRE

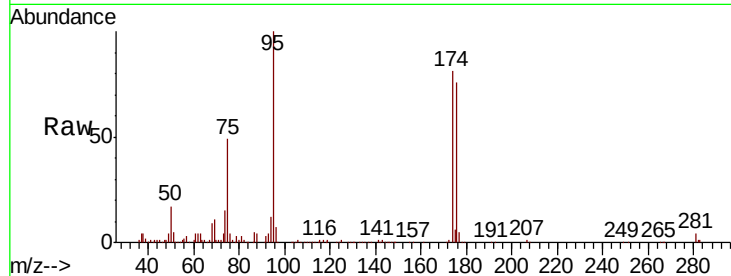
Tot Ion: 95 Resp: 114452

Ion Ratio Lower Upper

95 100

174 86.5 0.0 165.8

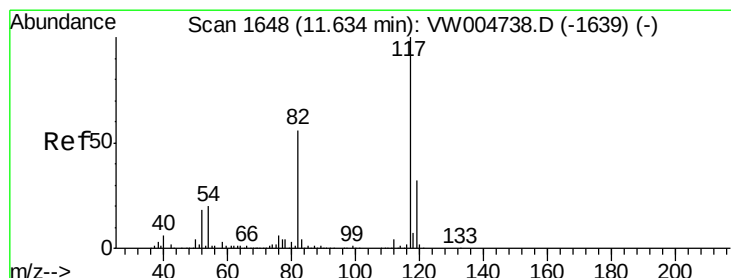
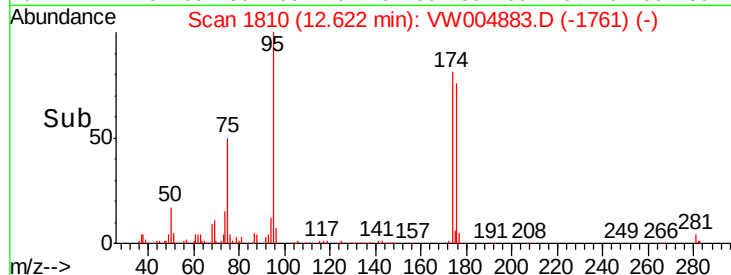
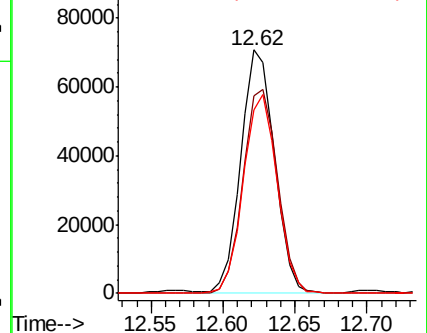
176 82.2 0.0 159.8



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW004883.D

Acq: 22 Aug 2018 11:19

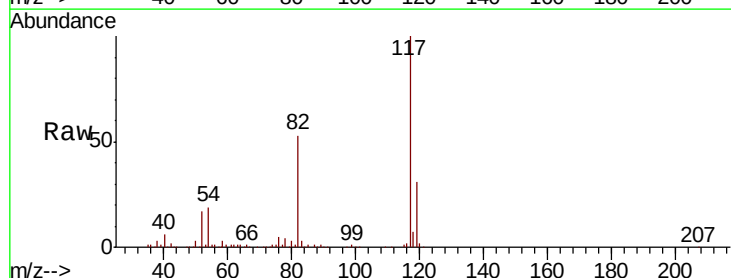
Tgt Ion: 117 Resp: 319258

Ion Ratio Lower Upper

117 100

82 52.6 44.6 67.0

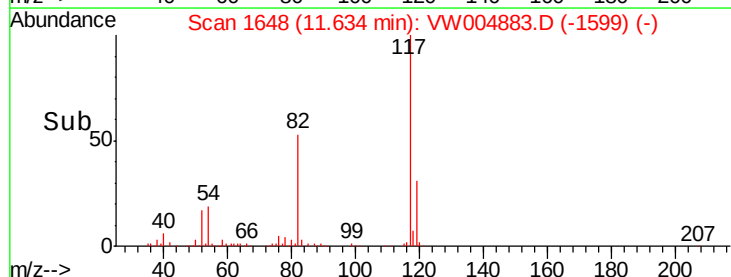
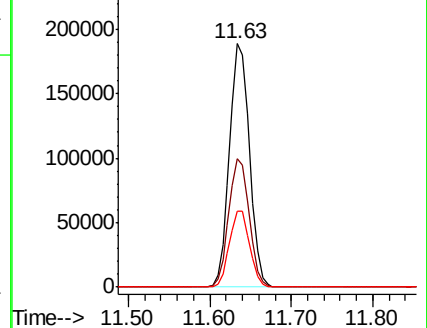
119 31.0 25.6 38.4

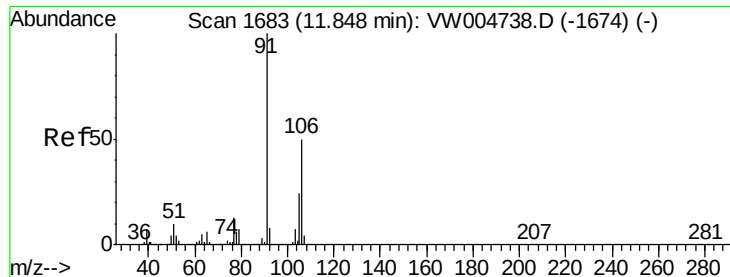


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#68

m/p-Xylenes

Concen: 1.88 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004883.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

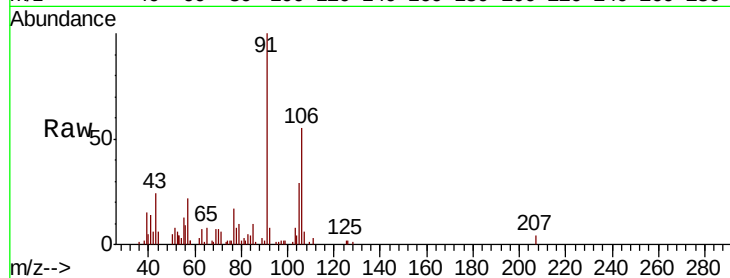
HR-06-082018-BRE

Tot Ion:106 Resp: 8502

Ion Ratio Lower Upper

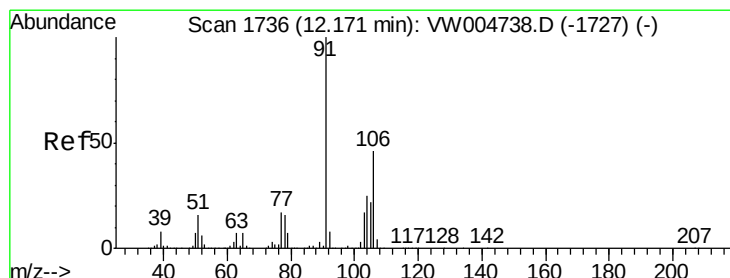
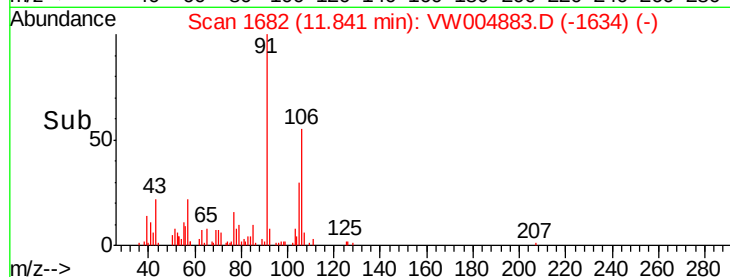
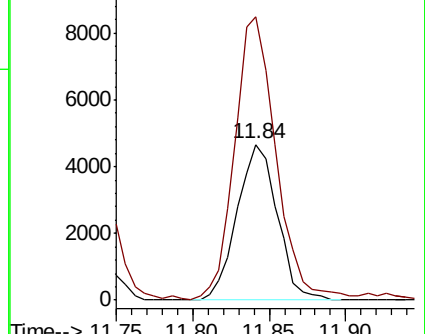
106 100

91 188.0 159.9 239.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 3.00 ug/l

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004883.D

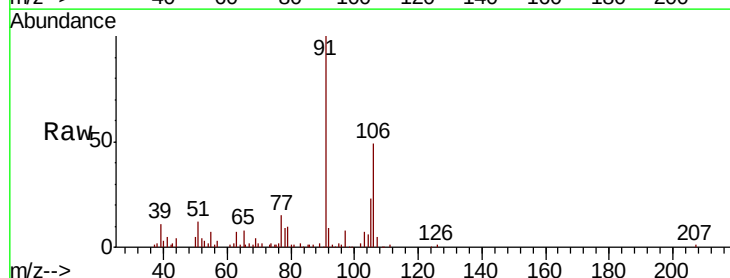
Acq: 22 Aug 2018 11:19

Tgt Ion:106 Resp: 12576

Ion Ratio Lower Upper

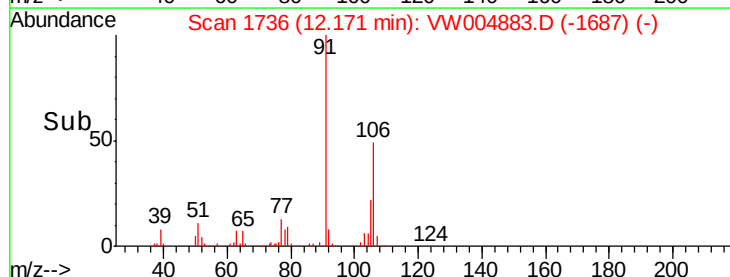
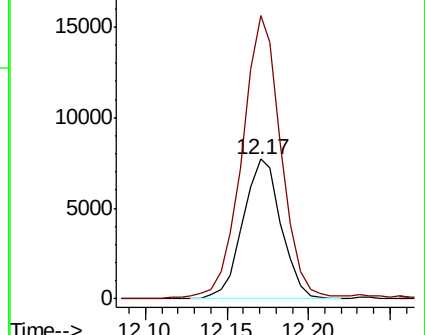
106 100

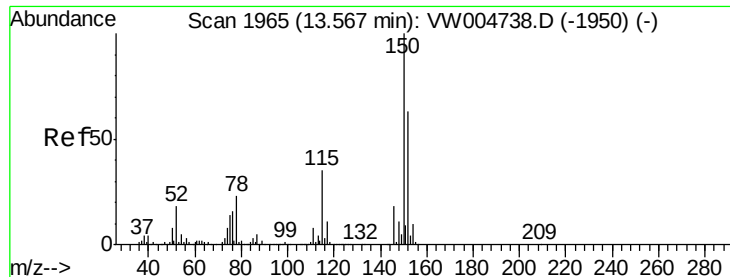
91 208.2 107.3 321.8



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: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004883.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

HR-06-082018-BRE

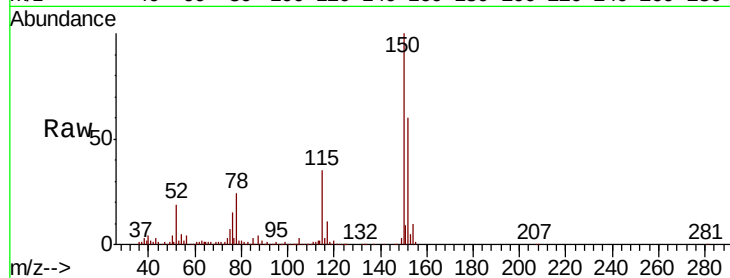
Tot Ion:152 Resp: 115501

Ion Ratio Lower Upper

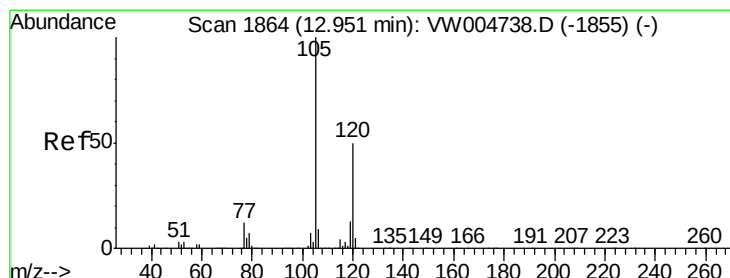
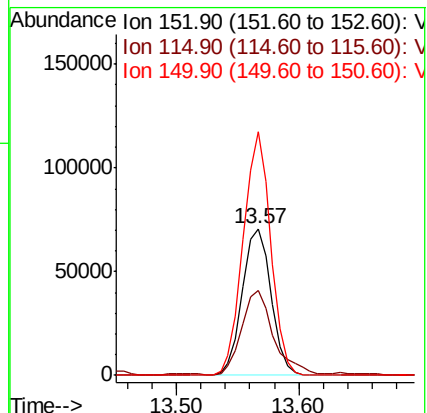
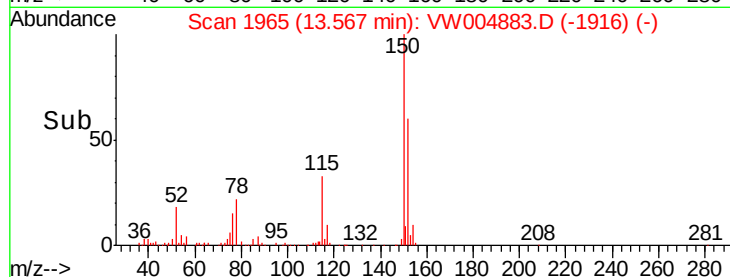
152 100

115 63.9 28.5 85.5

150 158.4 0.0 344.8



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



#80

1,3,5-Trimethylbenzene

Concen: 14.54 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004883.D

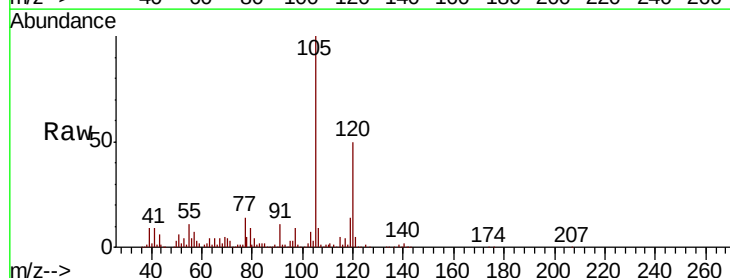
Acq: 22 Aug 2018 11:19

Tgt Ion:105 Resp: 97082

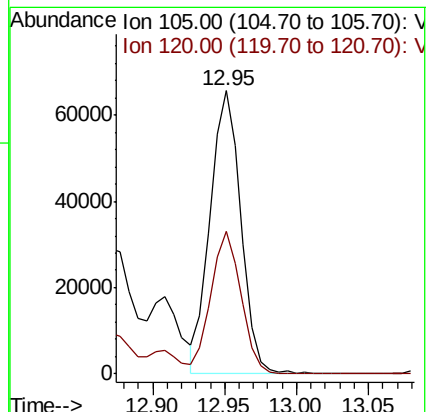
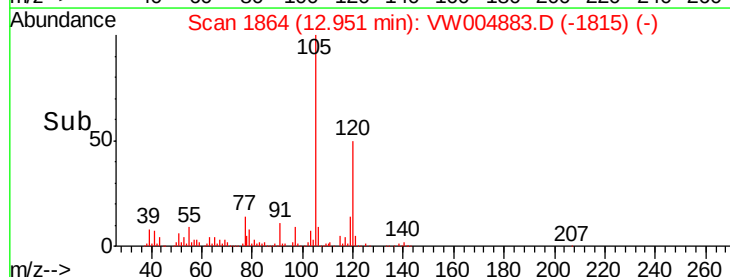
Ion Ratio Lower Upper

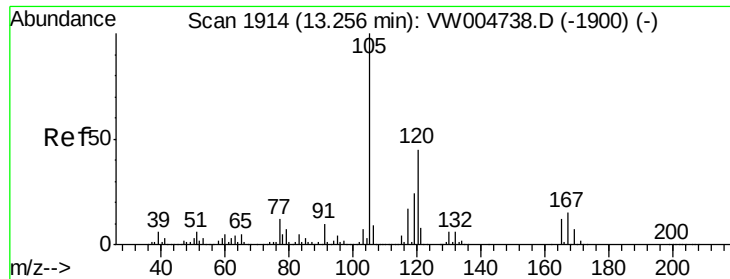
105 100

120 49.3 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

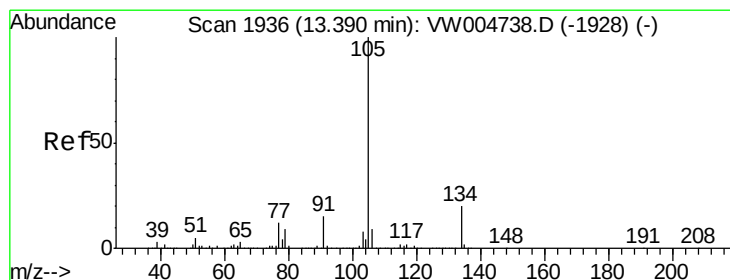
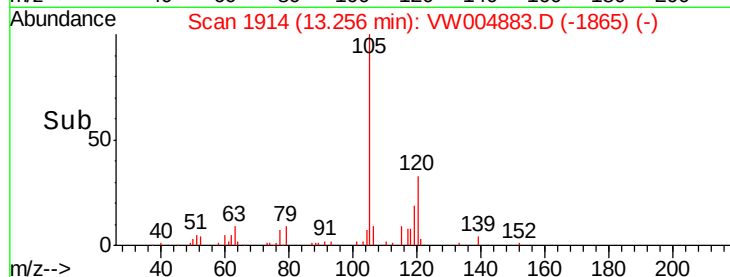
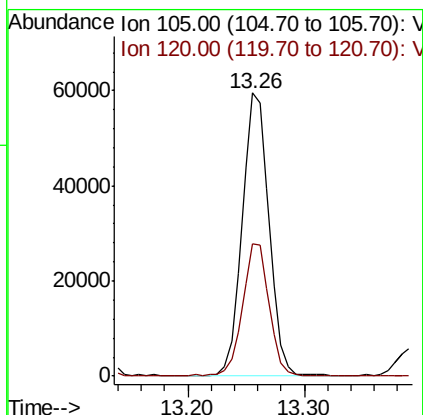
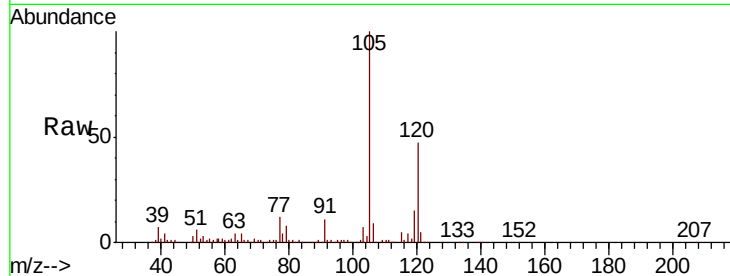




#84
 1,2,4-Trimethylbenzene
 Concen: 13.83 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004883.D
 Acq: 22 Aug 2018 11:19

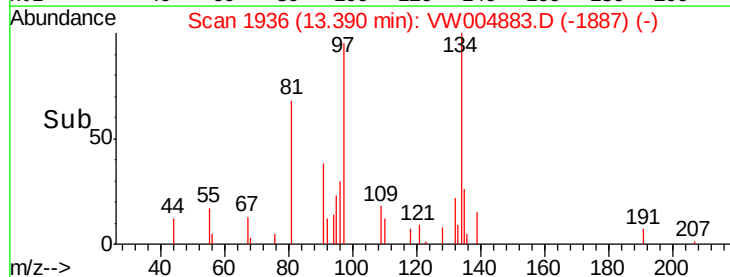
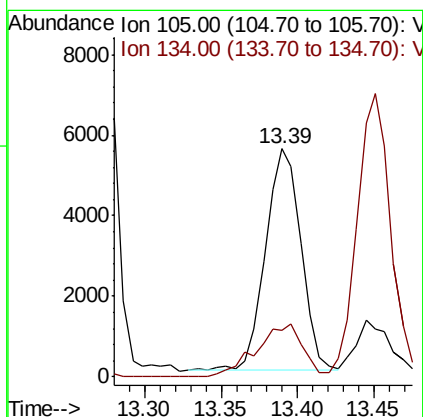
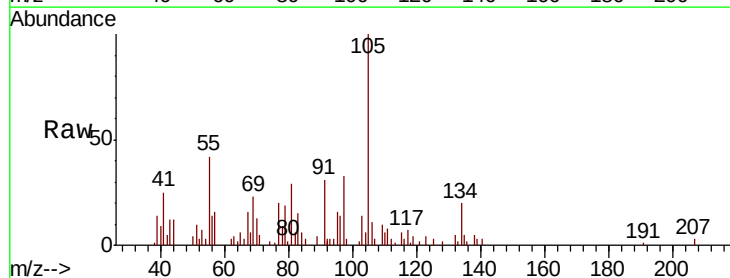
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-082018-BRE

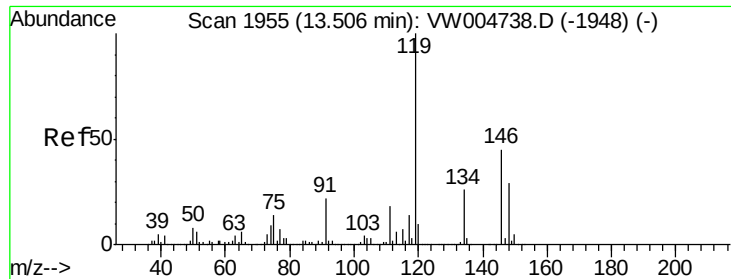
Tot Ion:105 Resp: 94962
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.8 68.3



#85
 sec-Butylbenzene
 Concen: 1.05 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004883.D
 Acq: 22 Aug 2018 11:19

Tgt Ion:105 Resp: 8935
 Ion Ratio Lower Upper
 105 100
 134 31.2 10.0 29.8#

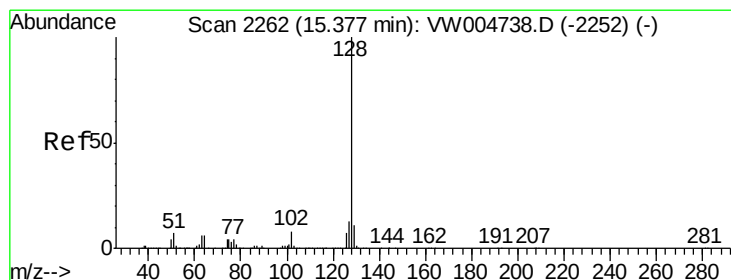
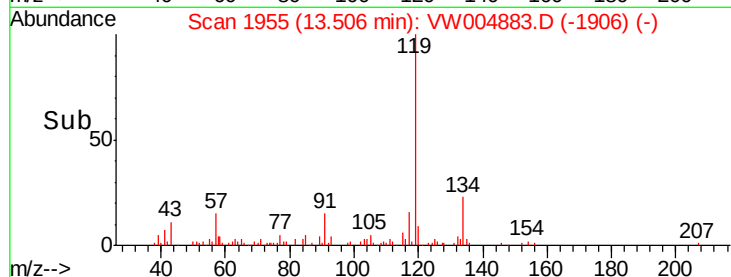
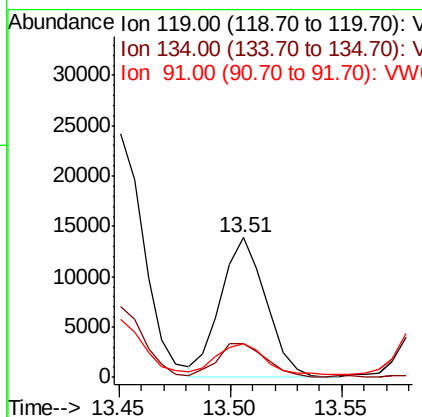
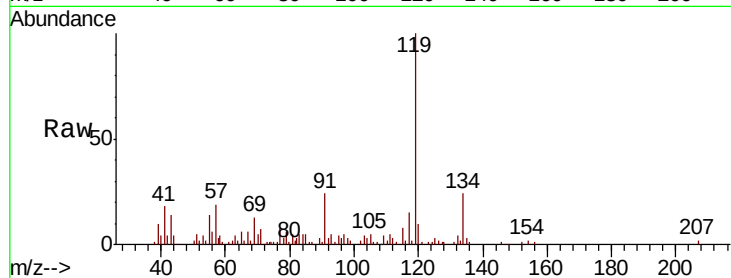




#86
 p-Isopropyltoluene
 Concen: 2.67 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004883.D
 Acq: 22 Aug 2018 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-082018-BRE

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	13.1	39.3
91	22.5	11.2	33.5



#95
 Naphthalene
 Concen: 68.69 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW004883.D
 Acq: 22 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.0	8.6	13.0

