

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW050818\
 Data File : VW002313.D
 Acq On : 09 May 2018 00:49
 Operator : JC/SY
 Sample : J2675-01
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-050418

Quant Time: May 09 08:47:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	25086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	40651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	24393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	18530	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	17273	64.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.68%	
35) Dibromofluoromethane	7.88	113	14184	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
50) Toluene-d8	10.33	98	29722	29.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.82%	
62) 4-Bromofluorobenzene	12.62	95	21949	61.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.26%	

Target Compounds

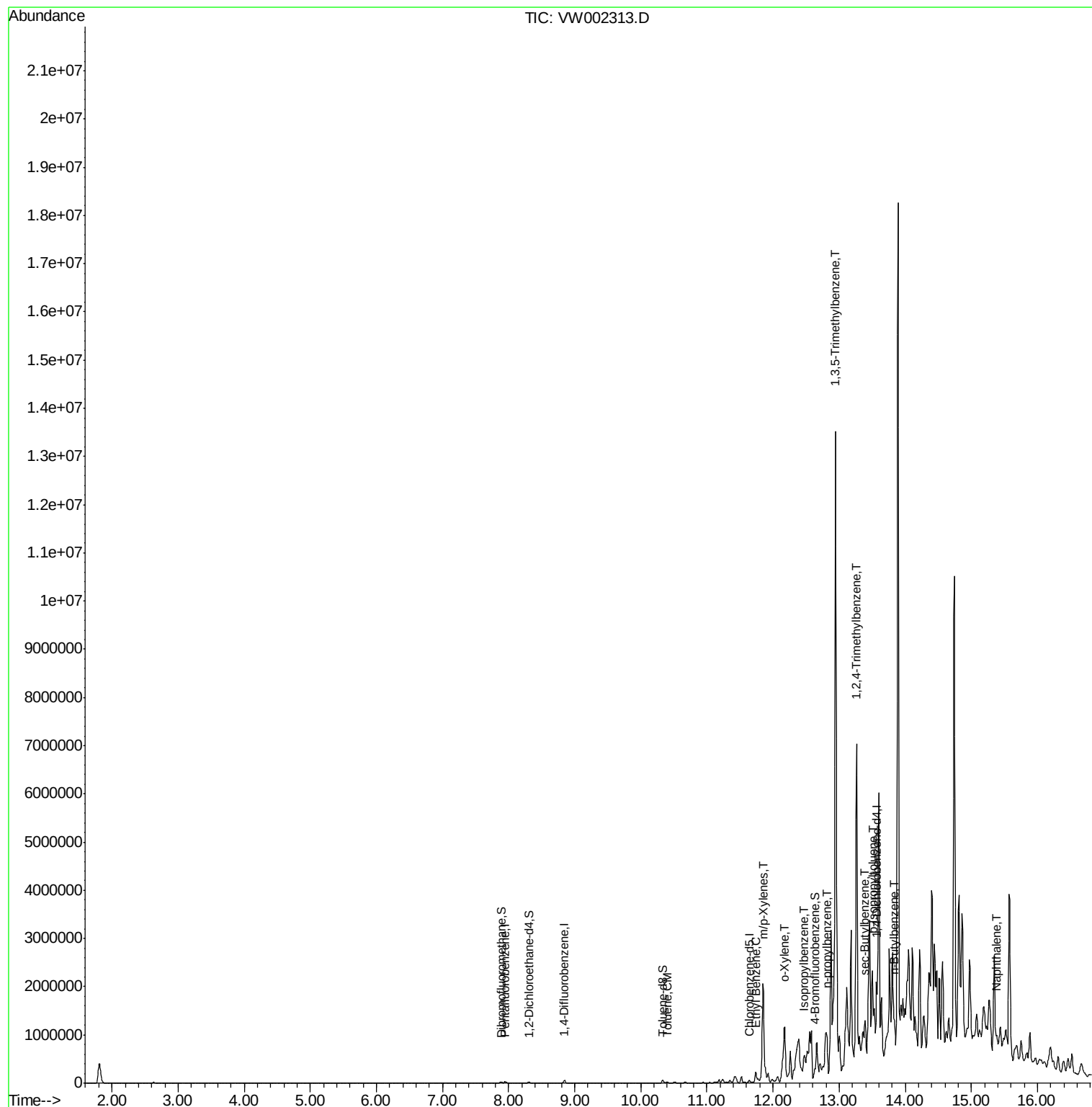
						Qvalue
52) Toluene	10.40	92	9552	14.00	ug/l	97
67) Ethyl Benzene	11.74	91	134563	157.07	ug/l	98
68) m/p-Xylenes	11.84	106	247601	749.05	ug/l	100
69) o-Xylene	12.18	106	272053	865.43	ug/l	100
73) Isopropylbenzene	12.48	105	192813	160.19	ug/l	99
78) n-propylbenzene	12.82	91	559006	391.79	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1615923	1596.04	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3402188	3241.06	ug/l	99
85) sec-Butylbenzene	13.40	105	344266	276.62	ug/l	80
86) p-Isopropyltoluene	13.51	119	335900	301.86	ug/l	99
89) n-Butylbenzene	13.84	91	338901	325.46	ug/l #	76
95) Naphthalene	15.38	128	317548	443.42	ug/l	96

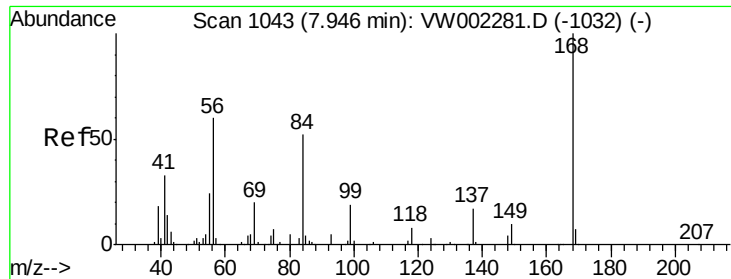
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002313.D

Acq: 09 May 2018 00:49

Instrument :

MSVOA_W

ClientSampleId :

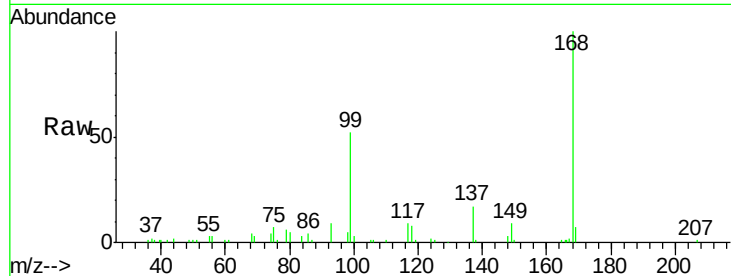
HR-06-050418

Tot Ion:168 Resp: 25086

Ion Ratio Lower Upper

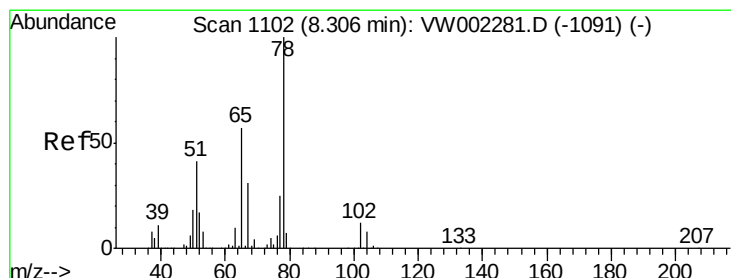
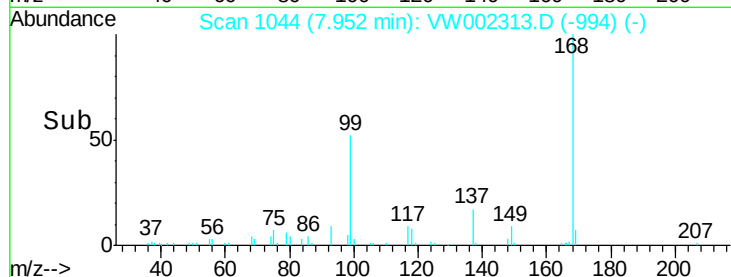
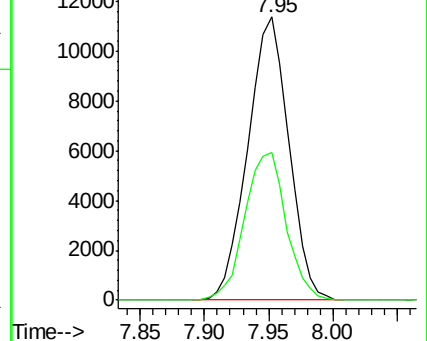
168 100

99 52.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#33

1,2-Dichloroethane-d4

Concen: 64.84 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW002313.D

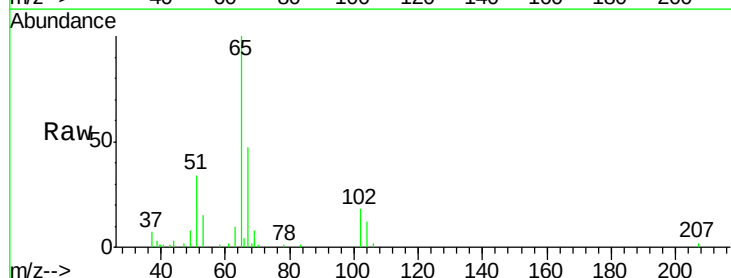
Acq: 09 May 2018 00:49

Tgt Ion: 65 Resp: 17273

Ion Ratio Lower Upper

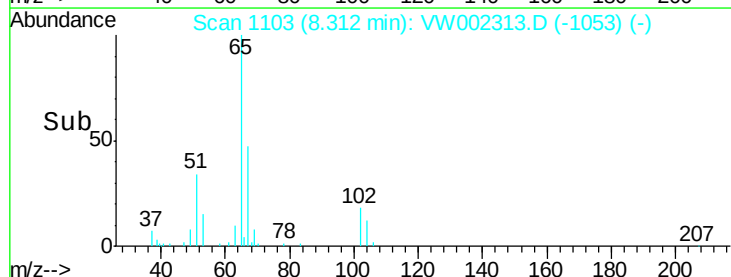
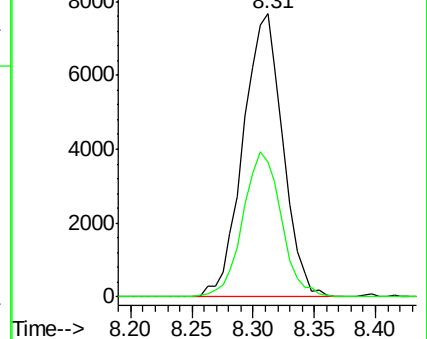
65 100

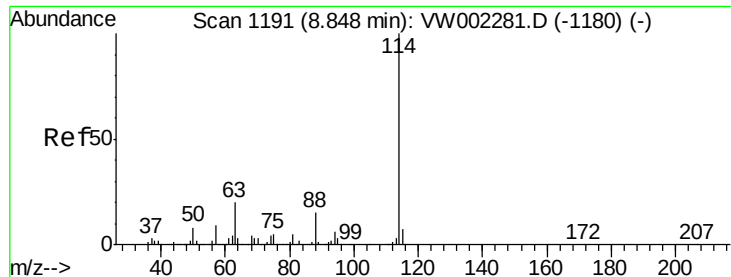
67 49.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW002313.D

Acq: 09 May 2018 00:49

Instrument :

MSVOA_W

ClientSampleId :

HR-06-050418

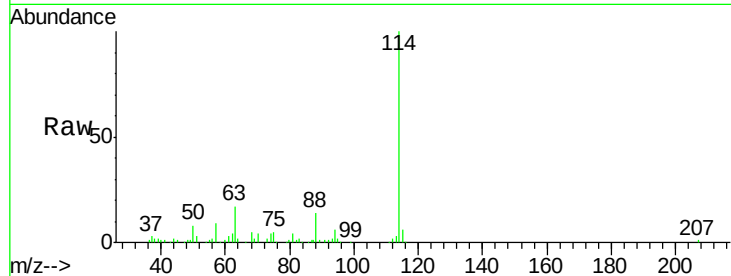
Tot Ion:114 Resp: 40651

Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.0

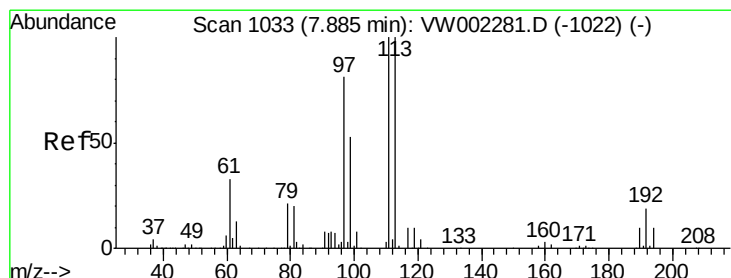
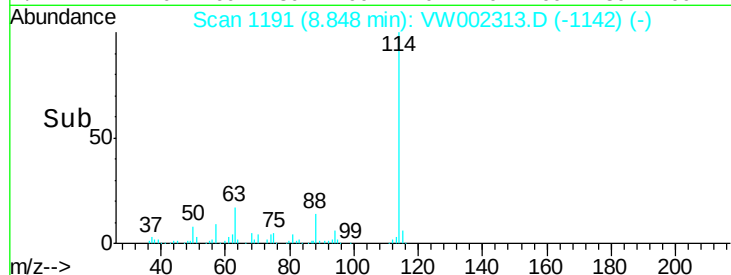
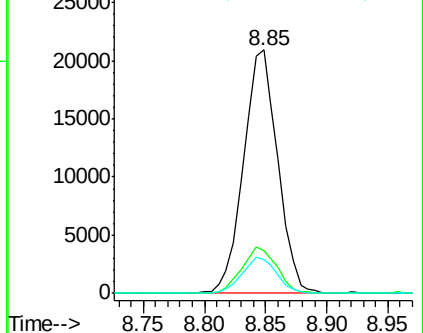
88 13.8 0.0 29.6



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



#35

Dibromofluoromethane

Concen: 54.44 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW002313.D

Acq: 09 May 2018 00:49

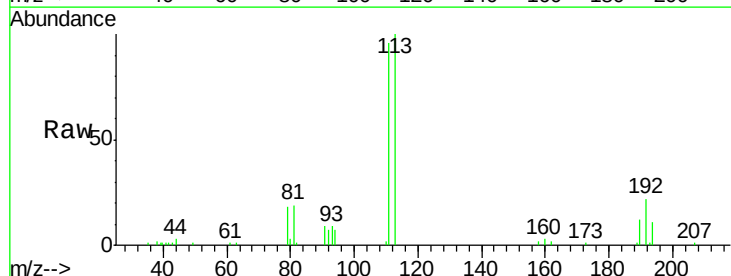
Tgt Ion:113 Resp: 14184

Ion Ratio Lower Upper

113 100

111 100.3 81.5 122.3

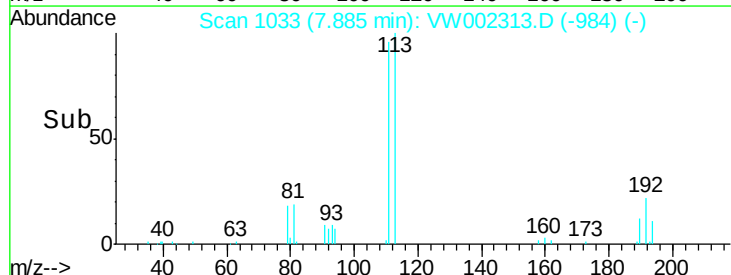
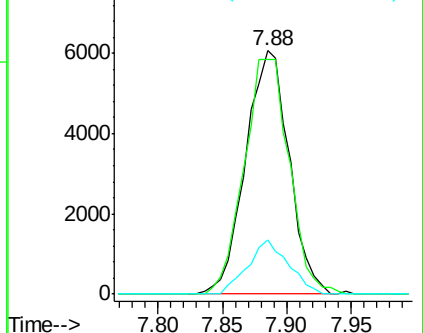
192 20.7 16.4 24.6

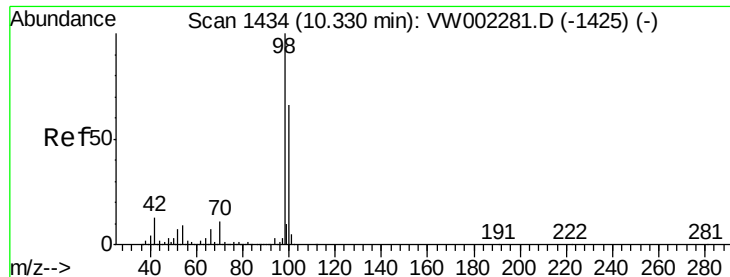


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 29.91 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002313.D

Acq: 09 May 2018 00:49

Instrument :

MSVOA_W

ClientSampleId :

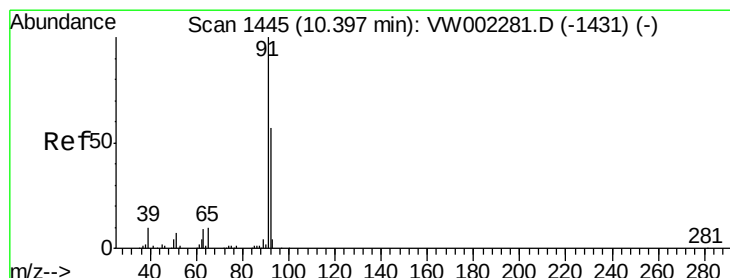
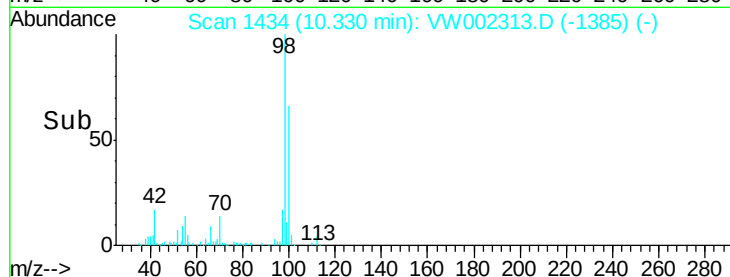
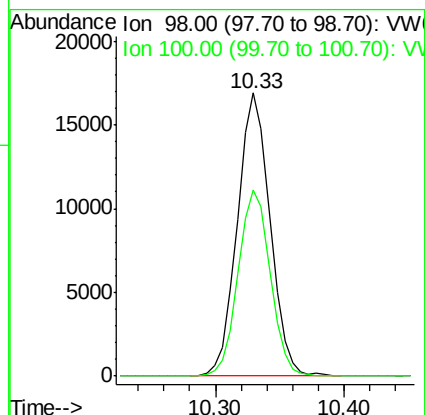
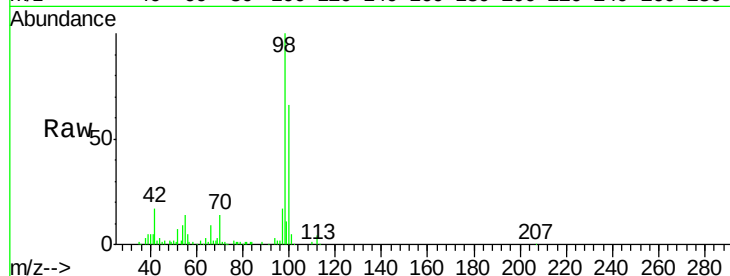
HR-06-050418

Tot Ion: 98 Resp: 29722

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.2



#52

Toluene

Concen: 14.00 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW002313.D

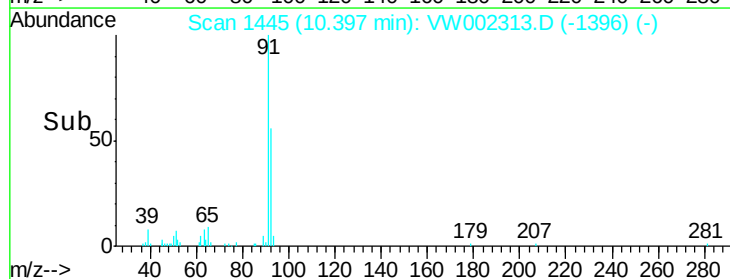
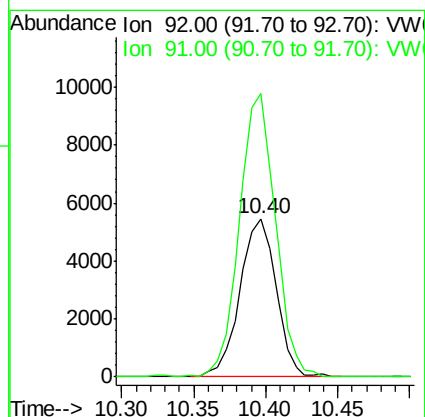
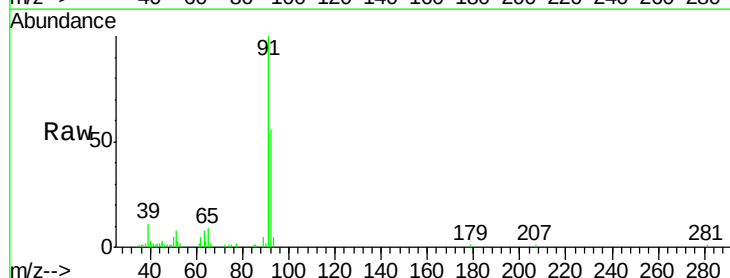
Acq: 09 May 2018 00:49

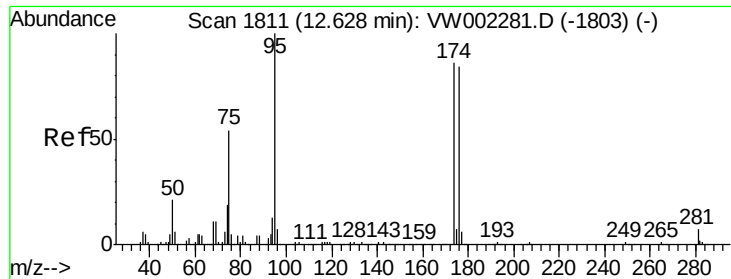
Tgt Ion: 92 Resp: 9552

Ion Ratio Lower Upper

92 100

91 177.7 138.6 208.0

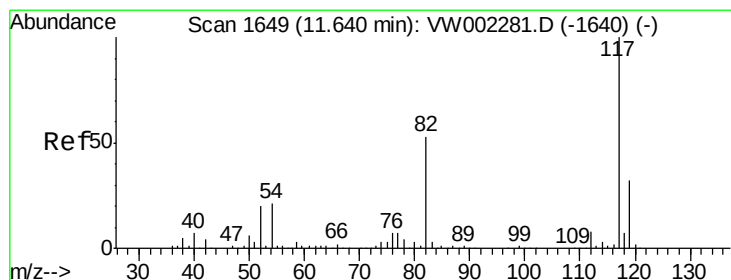
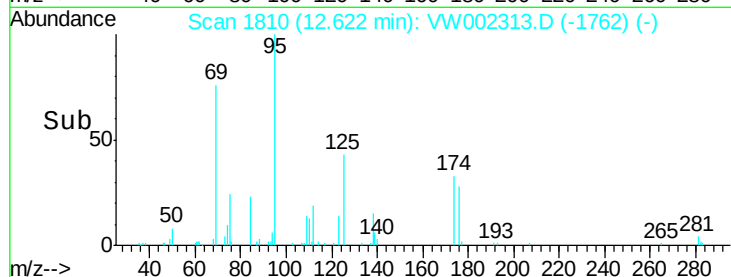
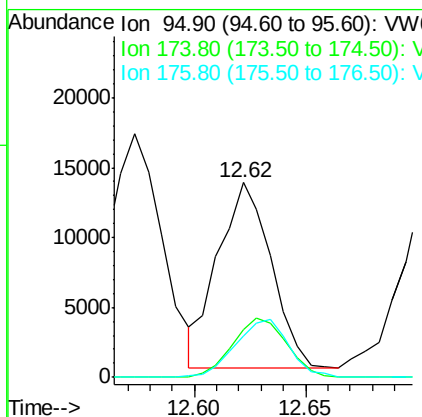
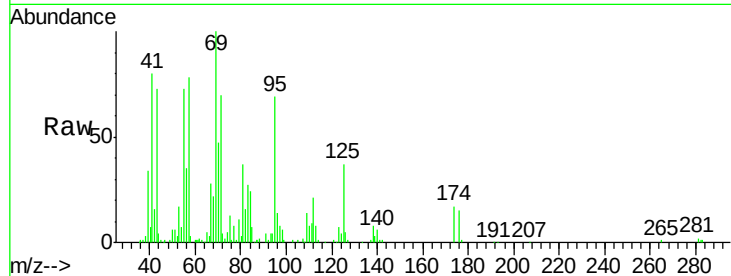




#62
4-Bromofluorobenzene
Concen: 61.13 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW002313.D
Acq: 09 May 2018 00:49

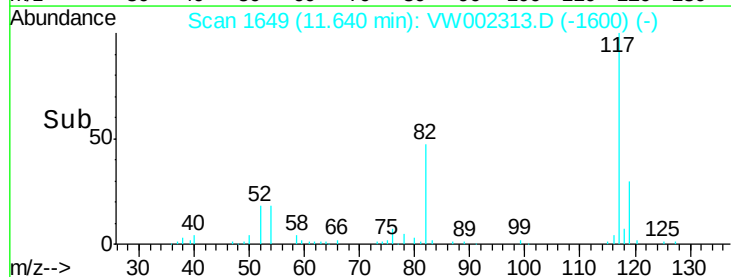
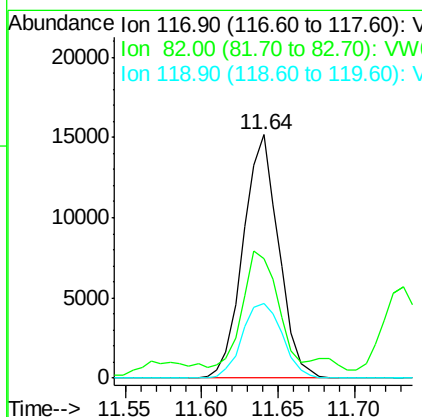
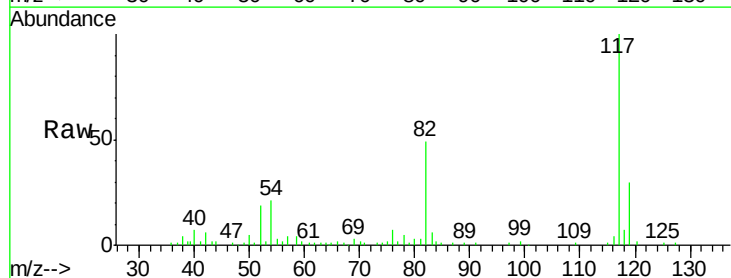
Instrument :
MSVOA_W
ClientSampleId :
HR-06-050418

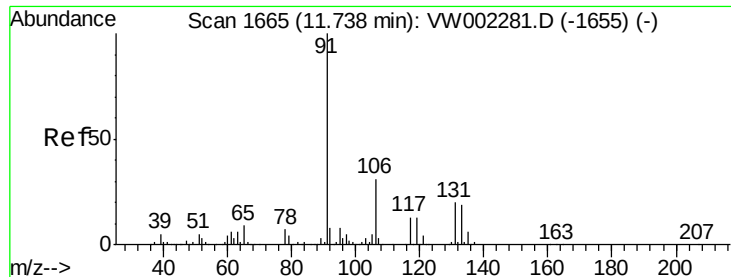
Tot Ion: 95 Resp: 21949
Ion Ratio Lower Upper
95 100
174 32.6 0.0 176.8
176 31.5 0.0 170.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002313.D
Acq: 09 May 2018 00:49

Tgt Ion: 117 Resp: 24393
Ion Ratio Lower Upper
117 100
82 44.0 42.6 63.8
119 30.4 25.2 37.8





#67

Ethyl Benzene

Concen: 157.07 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW002313.D

Acq: 09 May 2018 00:49

Instrument :

MSVOA_W

ClientSampleId :

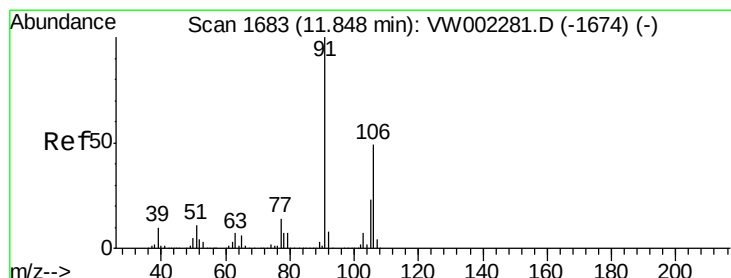
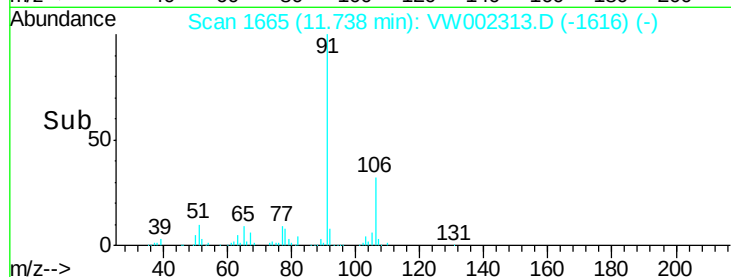
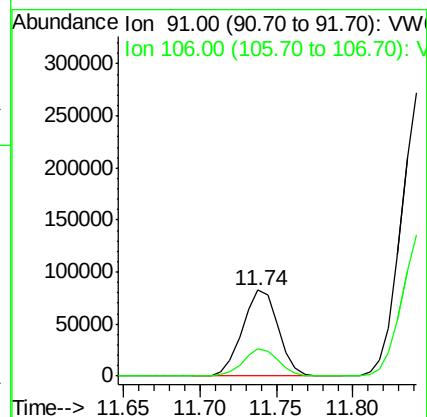
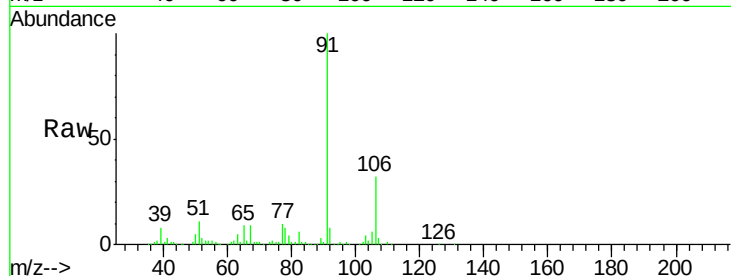
HR-06-050418

Tot Ion: 91 Resp: 134563

Ion Ratio Lower Upper

91 100

106 32.0 24.9 37.3



#68

m/p-Xylenes

Concen: 749.05 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW002313.D

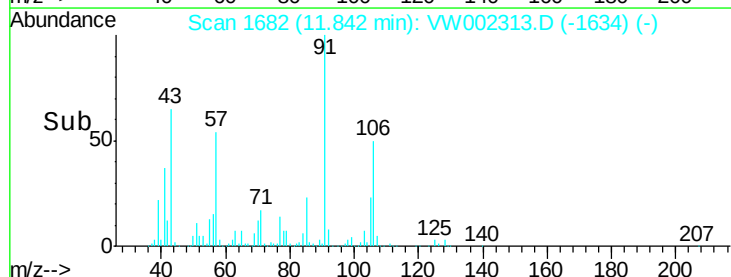
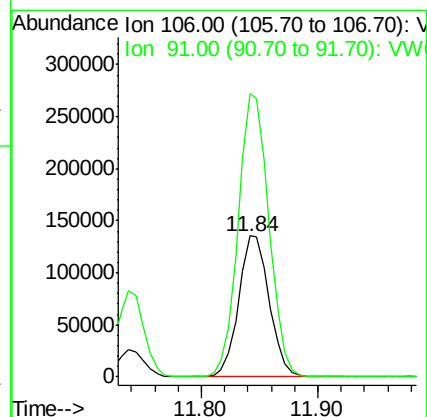
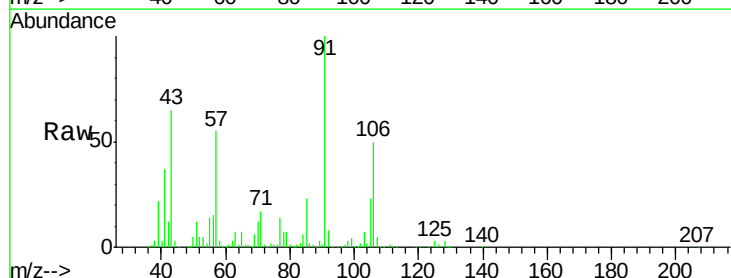
Acq: 09 May 2018 00:49

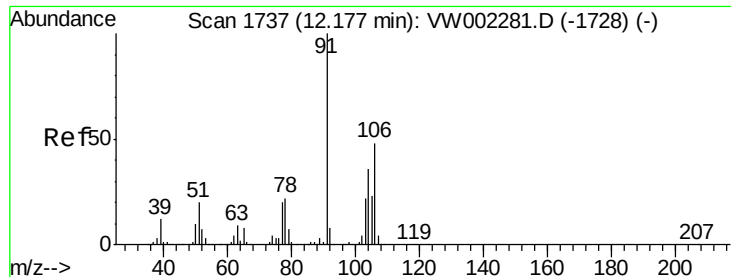
Tgt Ion: 106 Resp: 247601

Ion Ratio Lower Upper

106 100

91 201.1 161.4 242.0

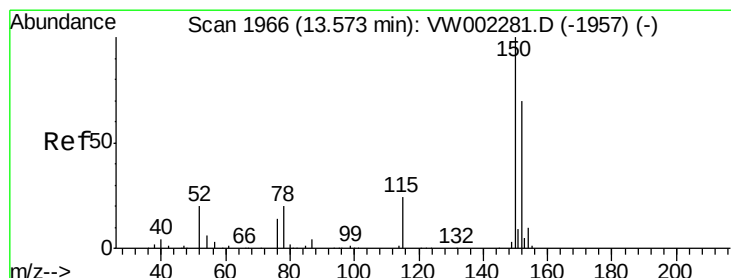
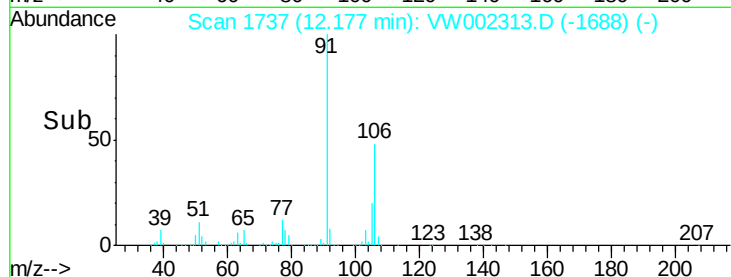
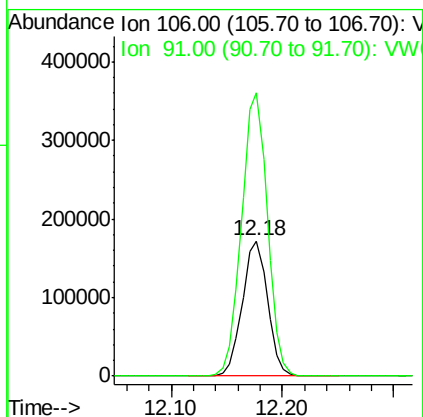
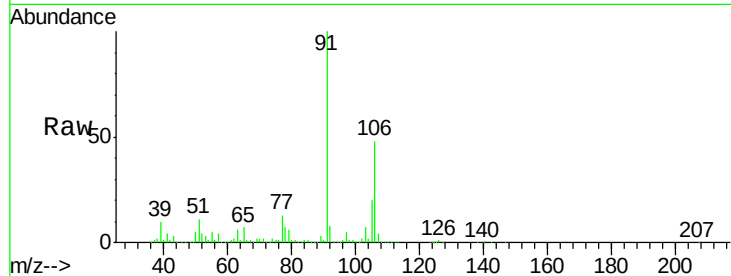




#69
o-Xylene
Concen: 865.43 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VW002313.D
Acq: 09 May 2018 00:49

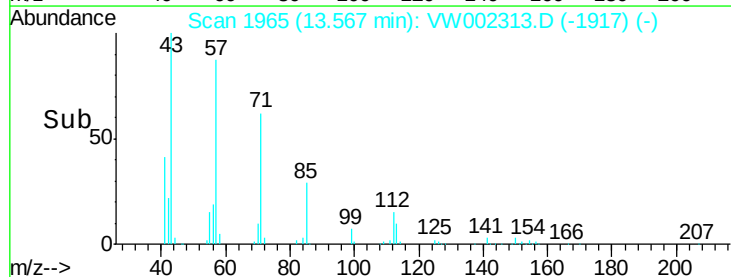
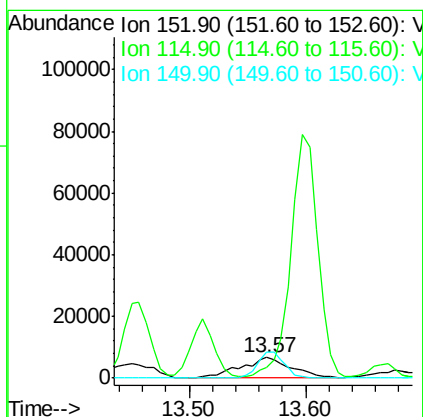
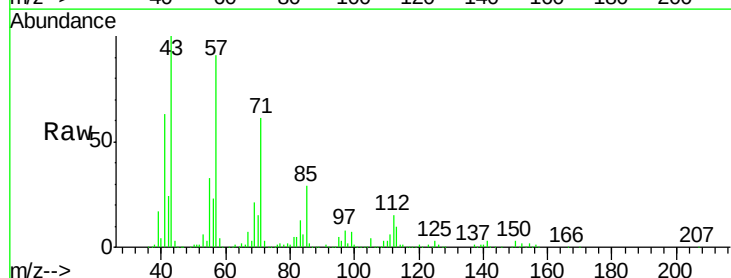
Instrument :
MSVOA_W
ClientSampled :
HR-06-050418

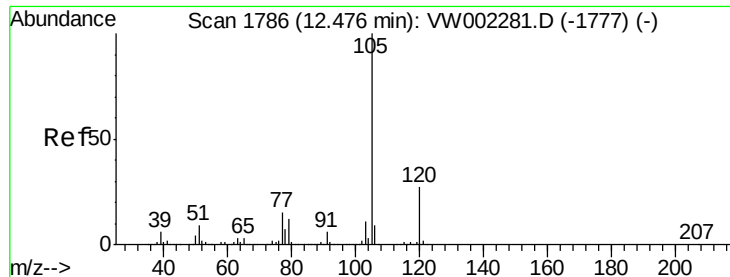
Tot Ion:106 Resp: 272053
Ion Ratio Lower Upper
106 100
91 214.4 107.1 321.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002313.D
Acq: 09 May 2018 00:49

Tgt Ion:152 Resp: 18530
Ion Ratio Lower Upper
152 100
115 0.0 28.5 85.5#
150 74.4 0.0 342.6





#73

Isopropylbenzene

Concen: 160.19 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW002313.D

Acq: 09 May 2018 00:49

Instrument :

MSVOA_W

ClientSampleId :

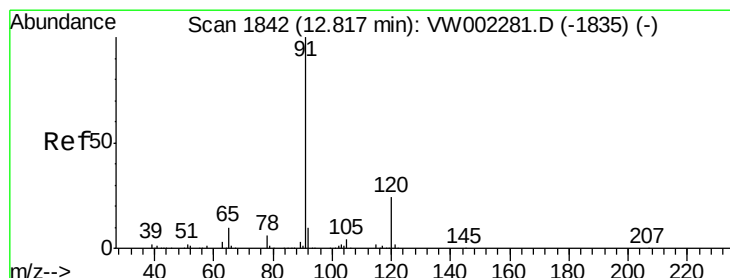
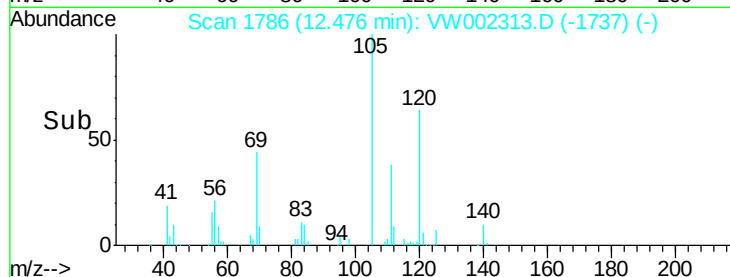
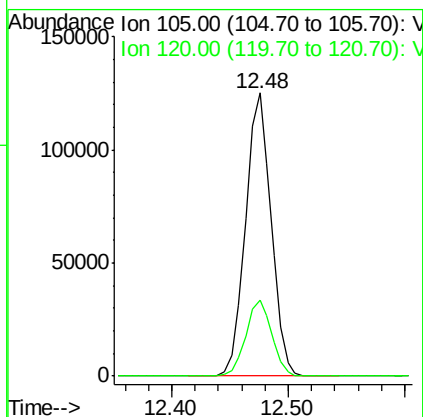
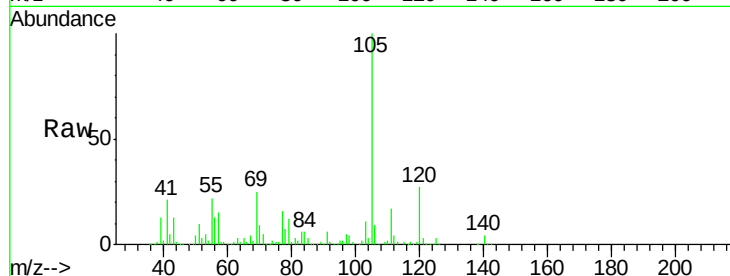
HR-06-050418

Tot Ion:105 Resp: 192813

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



#78

n-propylbenzene

Concen: 391.79 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VW002313.D

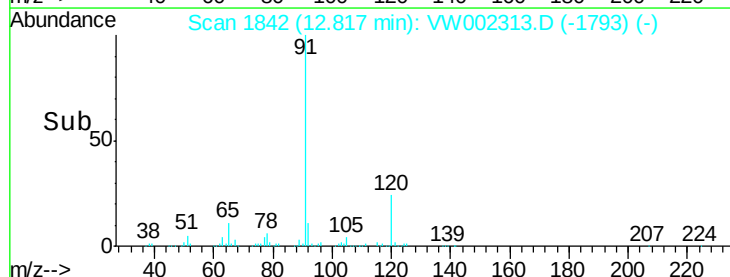
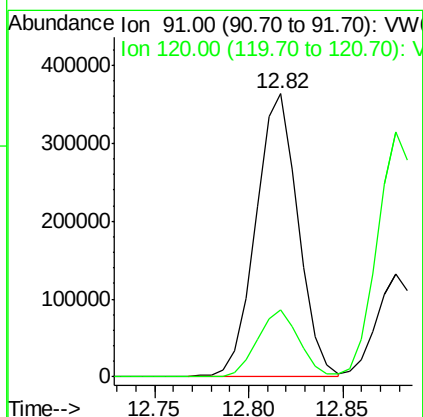
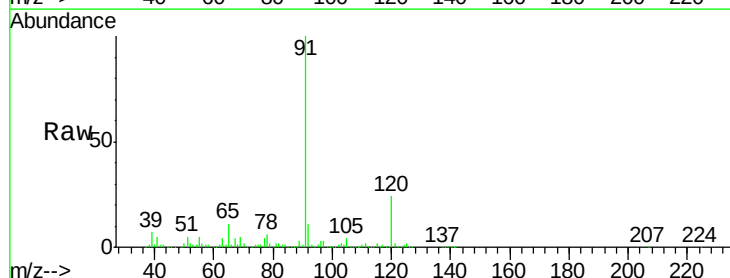
Acq: 09 May 2018 00:49

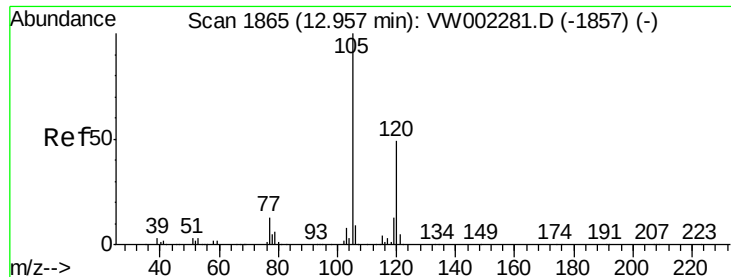
Tgt Ion: 91 Resp: 559006

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.5

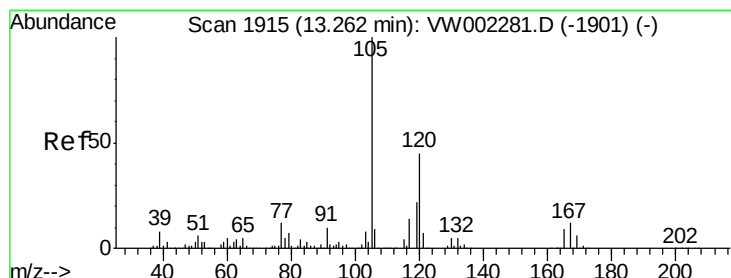
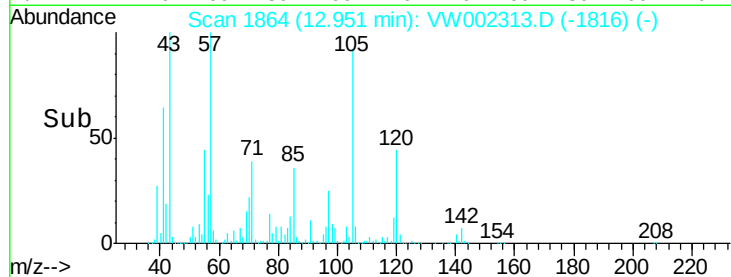
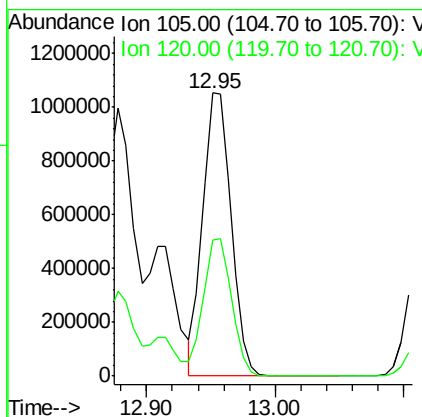
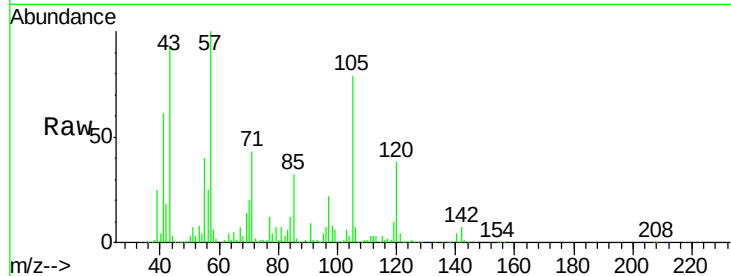




#80
 1,3,5-Trimethylbenzene
 Concen: 1596.04 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VW002313.D
 Acq: 09 May 2018 00:49

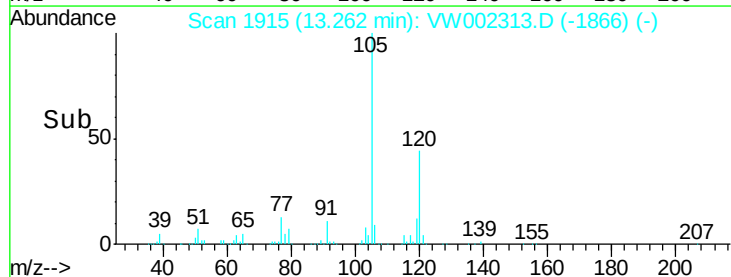
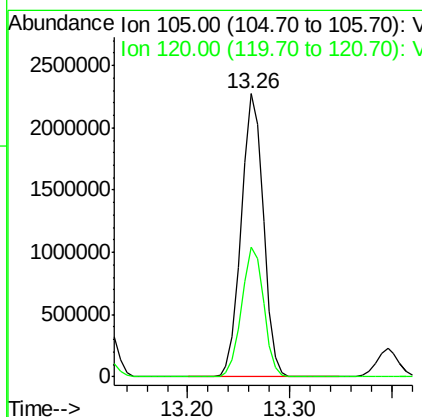
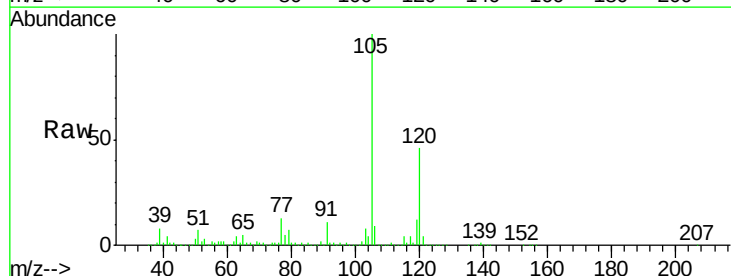
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-050418

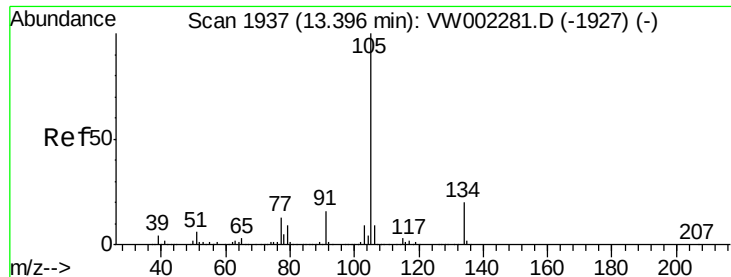
Tot Ion:105 Resp: 1615923
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 74.0



#84
 1,2,4-Trimethylbenzene
 Concen: 3241.06 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW002313.D
 Acq: 09 May 2018 00:49

Tgt Ion:105 Resp: 3402188
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.5 67.5

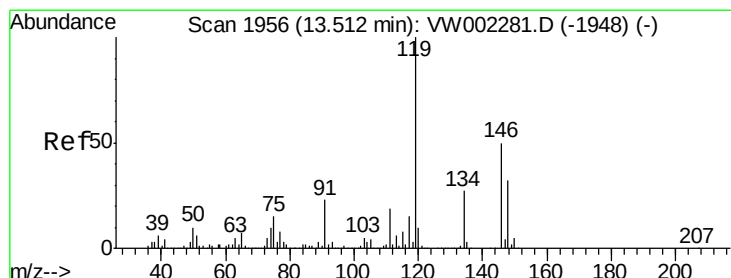
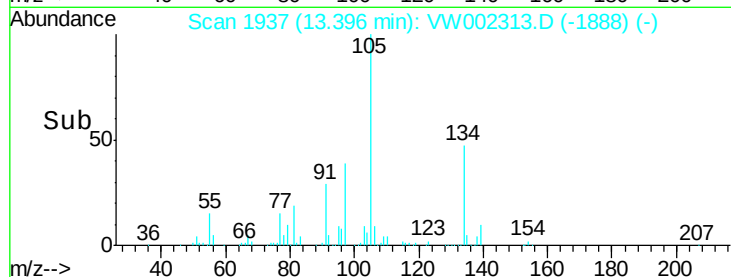
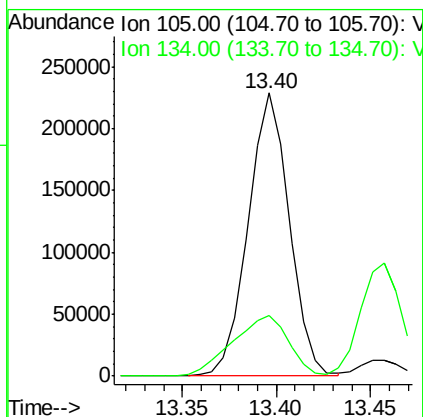
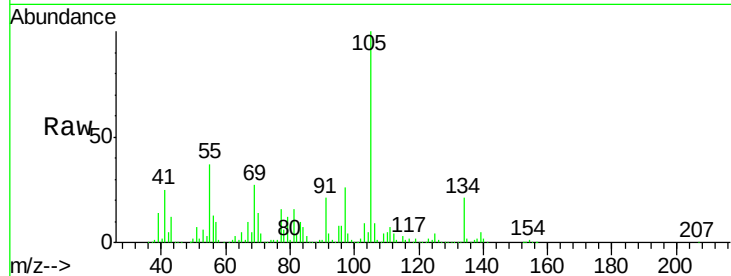




#85
 sec-Butylbenzene
 Concen: 276.62 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW002313.D
 Acq: 09 May 2018 00:49

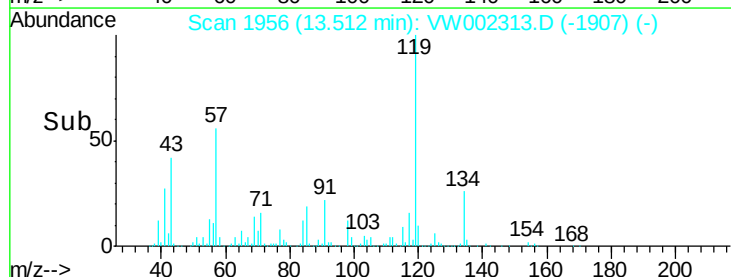
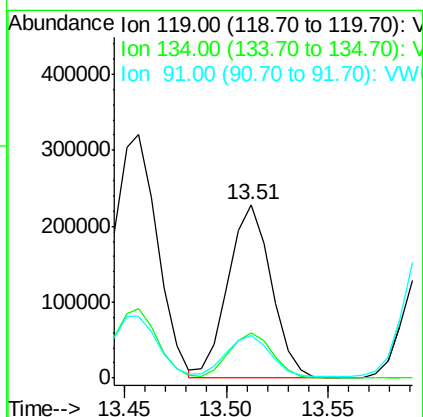
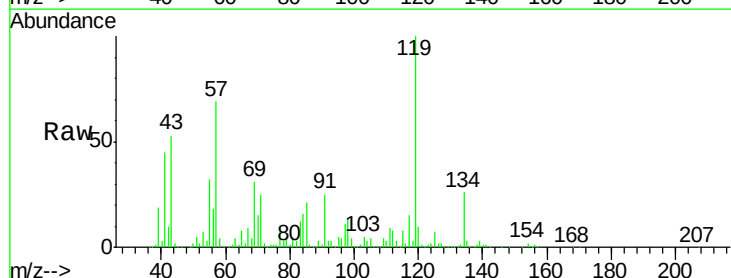
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-050418

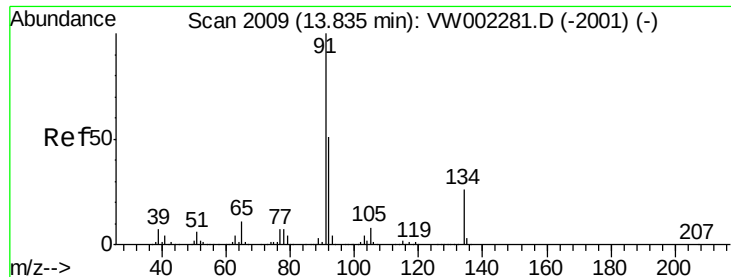
Tot Ion:105 Resp: 344266
 Ion Ratio Lower Upper
 105 100
 134 29.6 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 301.86 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002313.D
 Acq: 09 May 2018 00:49

Tgt Ion:119 Resp: 335900
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.9
 91 23.8 11.8 35.3





#89

n-Butylbenzene

Concen: 325.46 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW002313.D

Acq: 09 May 2018 00:49

Instrument :

MSVOA_W

ClientSampleId :

HR-06-050418

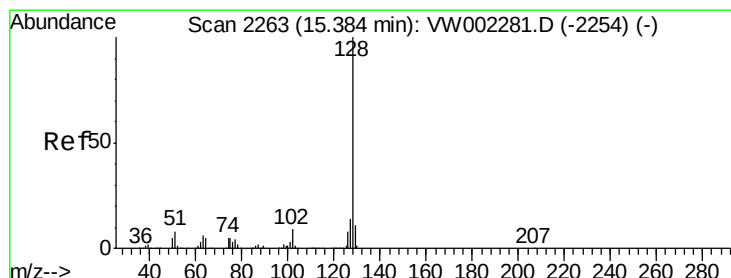
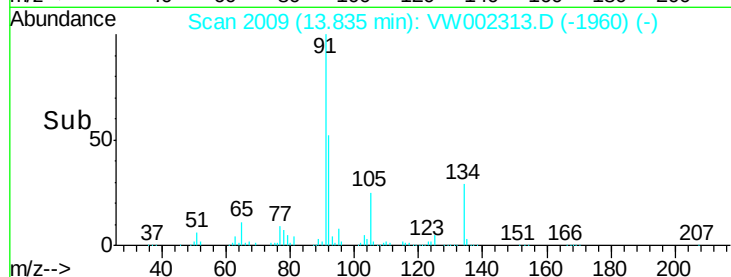
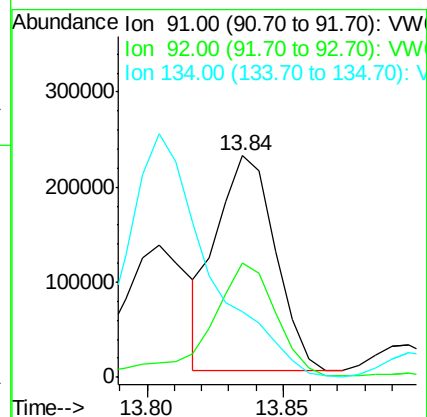
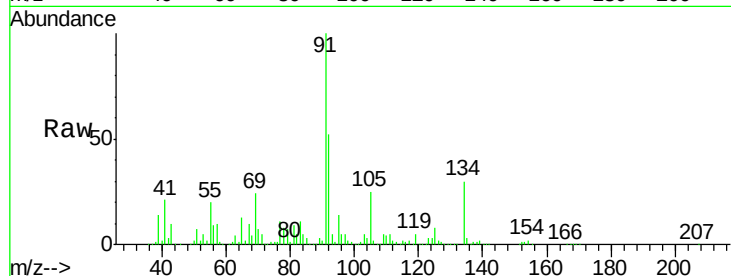
Tot Ion: 91 Resp: 338901

Ion Ratio Lower Upper

91 100

92 59.3 25.9 77.8

134 0.0 13.1 39.1#



#95

Naphthalene

Concen: 443.42 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002313.D

Acq: 09 May 2018 00:49

Tgt Ion: 128 Resp: 317548

Ion Ratio Lower Upper

128 100

127 11.9 11.0 16.4

129 9.5 8.7 13.1

