

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002361.D
 Acq On : 10 May 2018 06:20
 Operator : JC/SY
 Sample : J2675-01RE
 Misc : 4.70G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-050418RE

Quant Time: May 10 08:19:13 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	75359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	140967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	81307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	64157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	60667	75.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.62%	
35) Dibromofluoromethane	7.88	113	48019	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	10.33	98	100528	29.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.36%	
62) 4-Bromofluorobenzene	12.62	95	67135	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	

Target Compounds

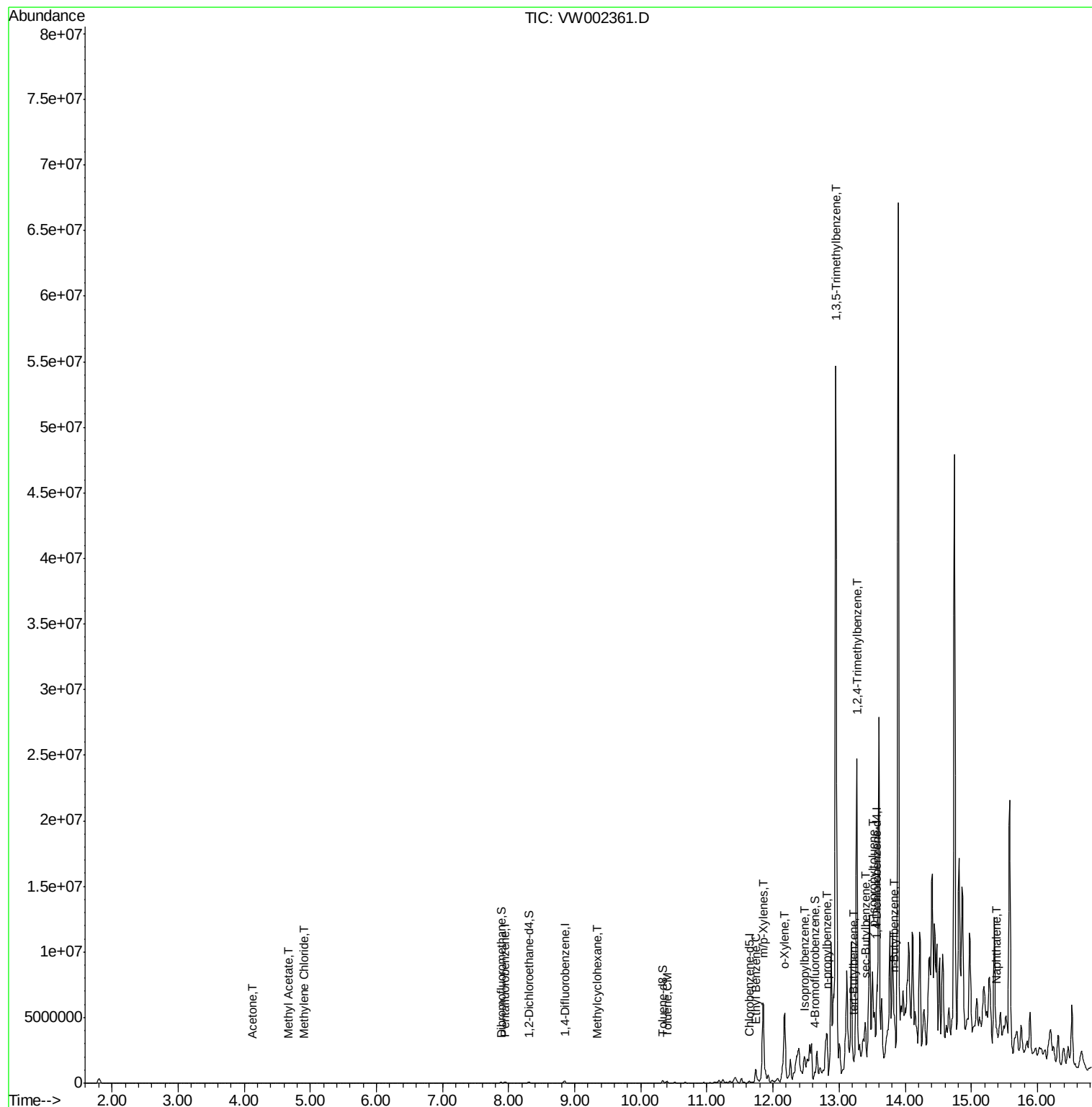
						Qvalue
16) Acetone	4.12	43	13333	85.31	ug/l	99
18) Methyl Acetate	4.67	43	2726	5.81	ug/l	93
20) Methylene Chloride	4.90	84	13324	17.68	ug/l	92
39) Methylcyclohexane	9.34	83	3954	2.66	ug/l #	73
52) Toluene	10.40	92	56251	23.77	ug/l	98
67) Ethyl Benzene	11.74	91	656162	229.78	ug/l	99
68) m/p-Xylenes	11.85	106	819615	743.88	ug/l	99
69) o-Xylene	12.18	106	1271793	1213.76	ug/l	100
73) Isopropylbenzene	12.48	105	802971	192.68	ug/l	100
78) n-propylbenzene	12.82	91	2256605	456.80	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	8340843	2379.38	ug/l	100
83) tert-Butylbenzene	13.22	119	78299	25.94	ug/l	87
84) 1,2,4-Trimethylbenzene	13.27	105	11572578	3184.12	ug/l	96
85) sec-Butylbenzene	13.40	105	1311527	304.37	ug/l	82
86) p-Isopropyltoluene	13.51	119	1383214	359.02	ug/l	100
89) n-Butylbenzene	13.84	91	1265249	350.94	ug/l #	71
95) Naphthalene	15.38	128	1085432	437.76	ug/l #	92

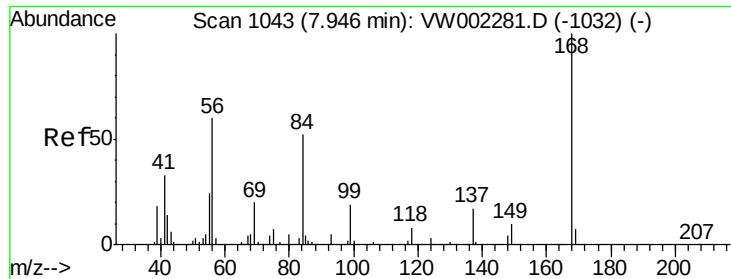
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW002361.D

Acq: 10 May 2018 06:20

Instrument :

MSVOA_W

ClientSampleId :

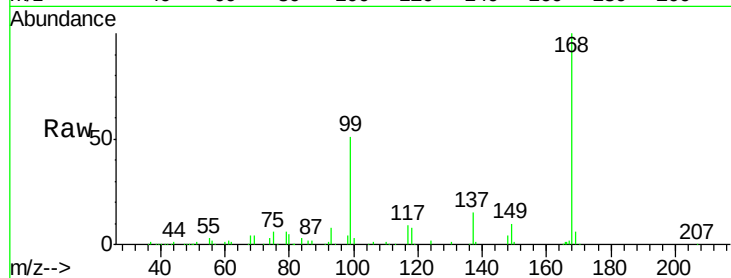
HR-06-050418RE

Tot Ion:168 Resp: 75359

Ion Ratio Lower Upper

168 100

99 51.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

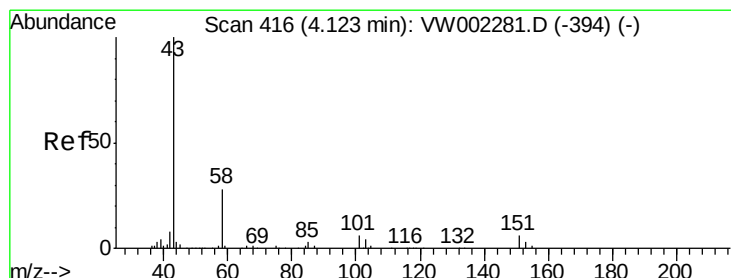
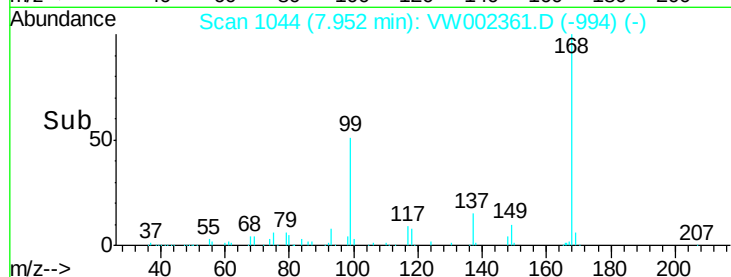
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 85.31 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW002361.D

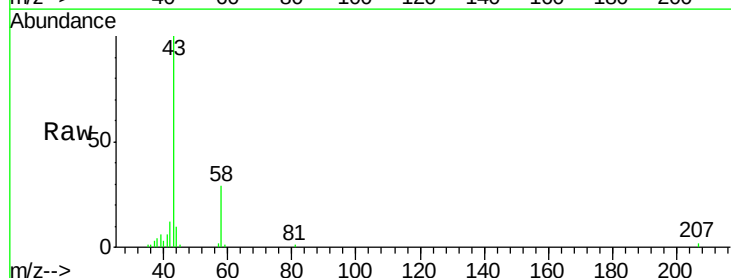
Acq: 10 May 2018 06:20

Tgt Ion: 43 Resp: 13333

Ion Ratio Lower Upper

43 100

58 28.6 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

5000

4000

3000

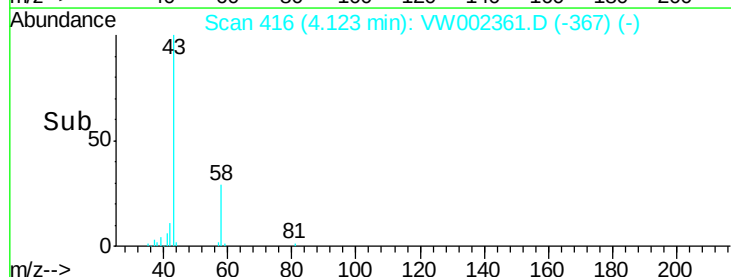
2000

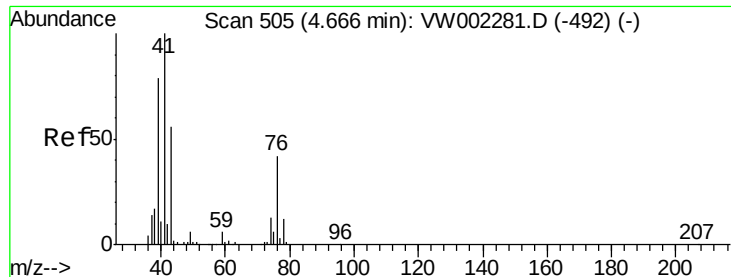
1000

0

4.00 4.10 4.20

Time-->

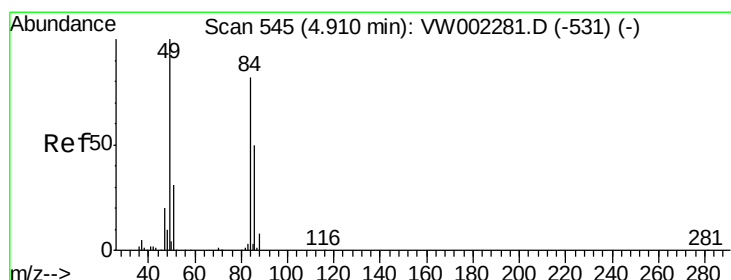
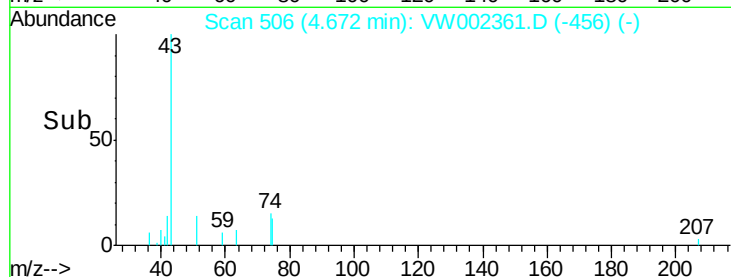
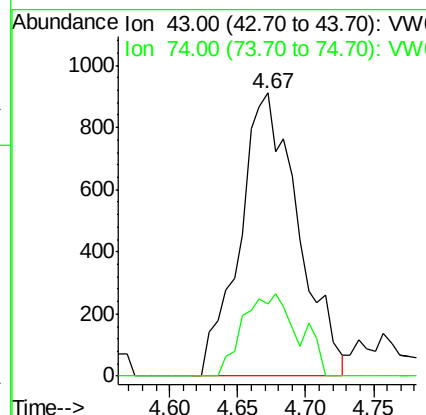
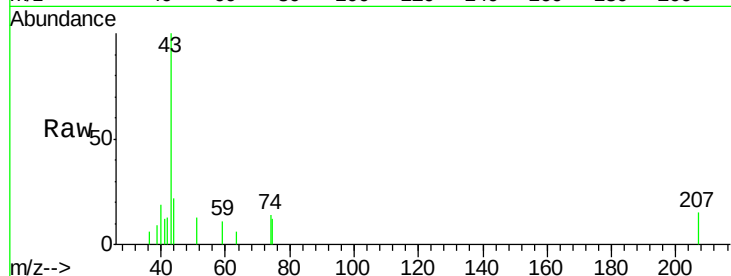




#18
Methyl Acetate
Concen: 5.81 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW002361.D
Acq: 10 May 2018 06:20

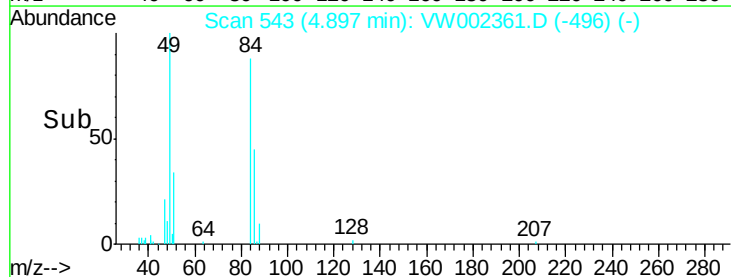
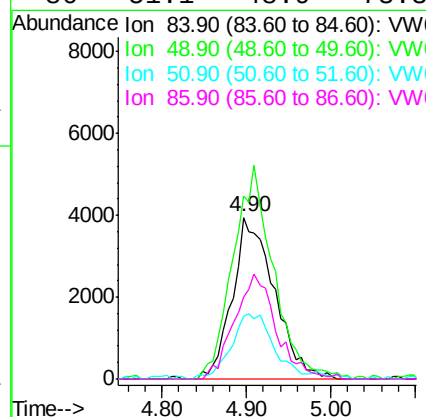
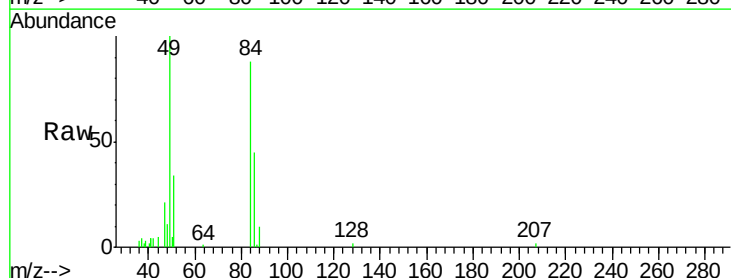
Instrument :
MSVOA_W
ClientSampleId :
HR-06-050418RE

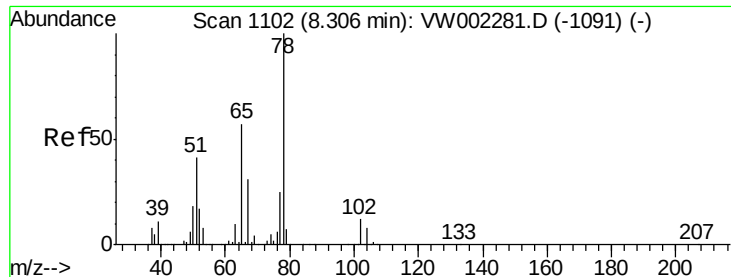
Tot Ion: 43 Resp: 2726
Ion Ratio Lower Upper
43 100
74 27.8 19.4 29.2



#20
Methylene Chloride
Concen: 17.68 ug/l
RT: 4.90 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW002361.D
Acq: 10 May 2018 06:20

Tgt Ion: 84 Resp: 13324
Ion Ratio Lower Upper
84 100
49 113.4 97.7 146.5
51 38.9 30.2 45.4
86 51.1 48.9 73.3

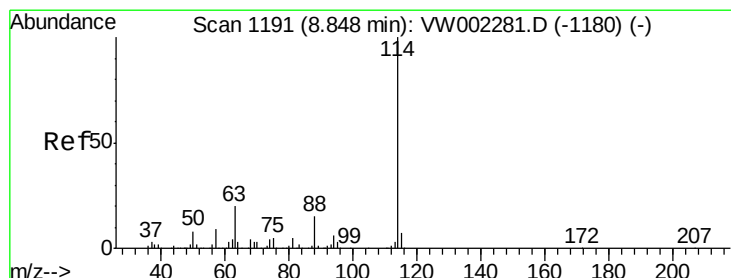
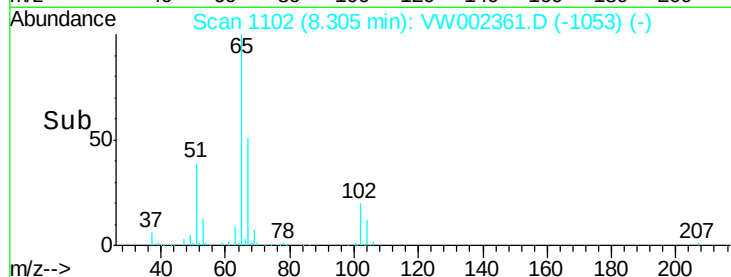
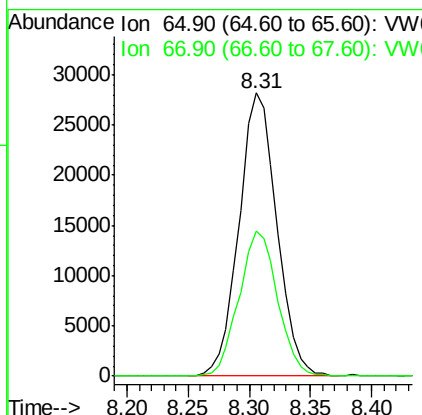
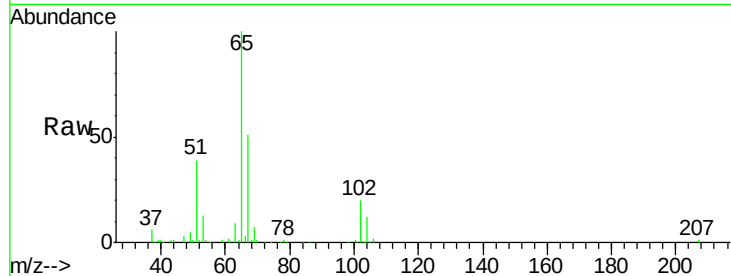




#33
 1,2-Dichloroethane-d4
 Concen: 75.81 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002361.D
 Acq: 10 May 2018 06:20

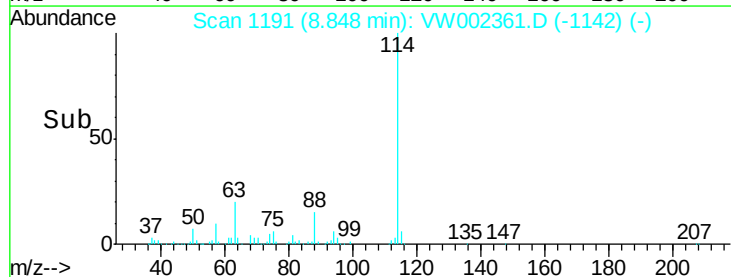
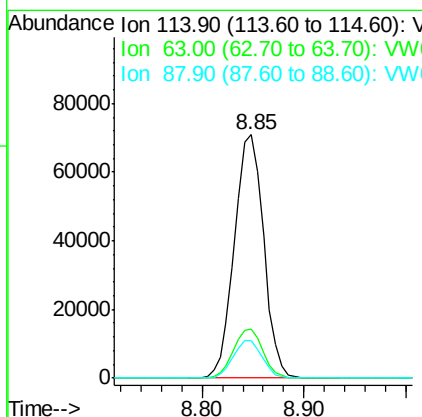
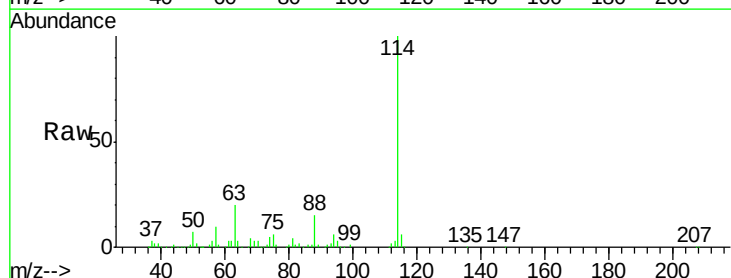
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-050418RE

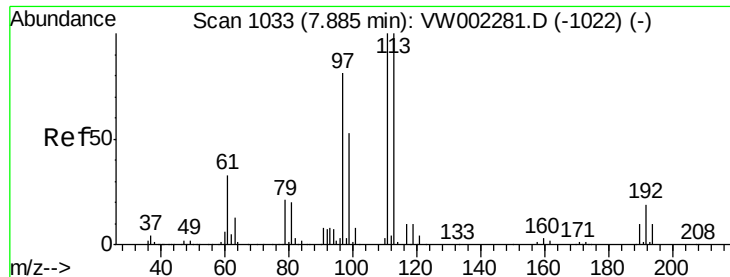
Tot Ion: 65 Resp: 60667
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW002361.D
 Acq: 10 May 2018 06:20

Tgt Ion: 114 Resp: 140967
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 15.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 53.15 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002361.D

Acq: 10 May 2018 06:20

Instrument :

MSVOA_W

ClientSampleId :

HR-06-050418RE

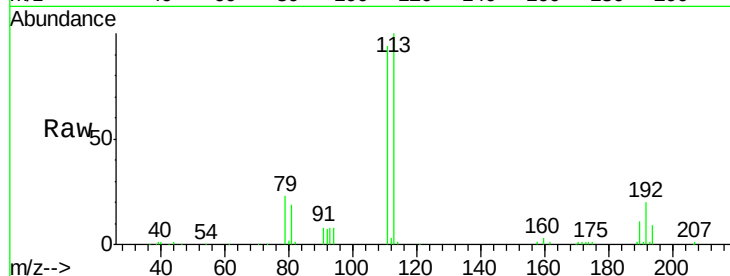
Tot Ion:113 Resp: 48019

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

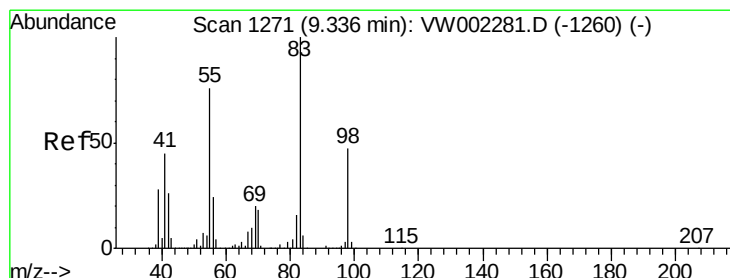
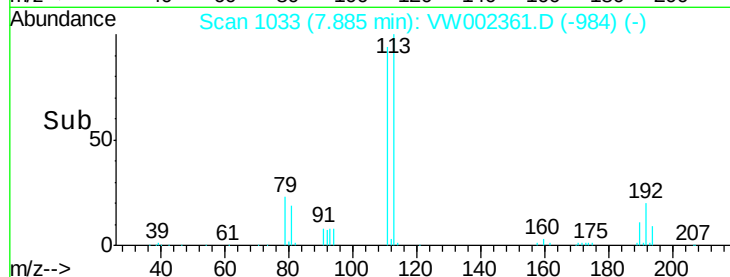
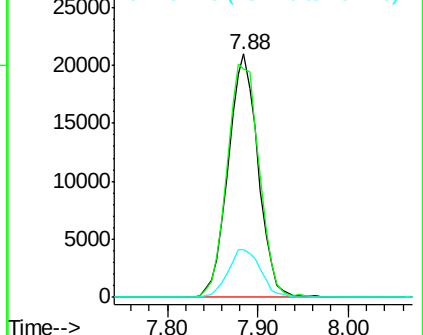
192 21.4 16.4 24.6



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



#39

Methylcyclohexane

Concen: 2.66 ug/l

RT: 9.34 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VW002361.D

Acq: 10 May 2018 06:20

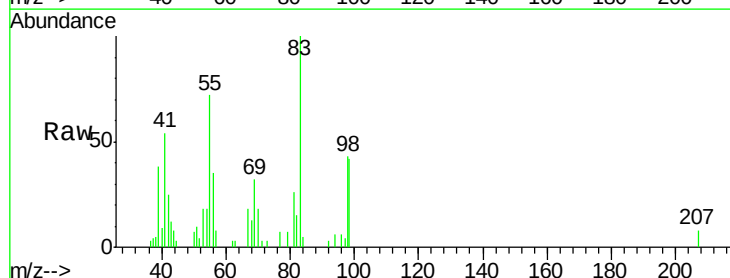
Tgt Ion: 83 Resp: 3954

Ion Ratio Lower Upper

83 100

55 68.1 60.6 91.0

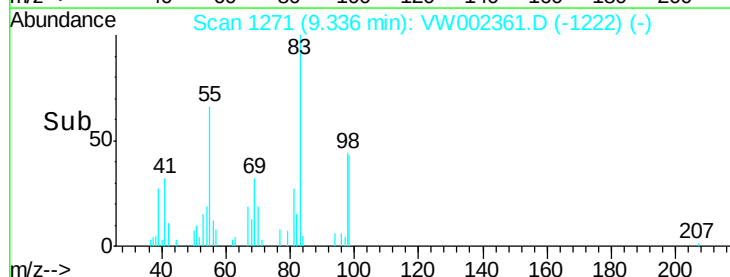
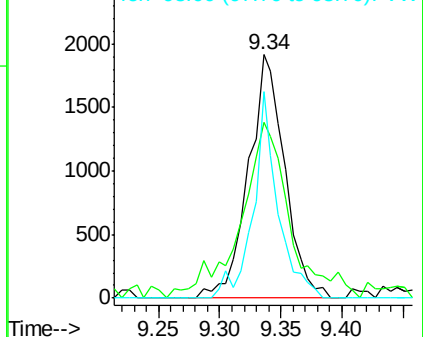
98 84.8 37.4 56.0#

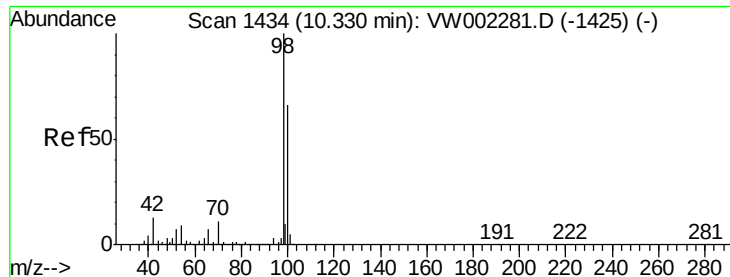


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 29.18 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002361.D

Acq: 10 May 2018 06:20

Instrument :

MSVOA_W

ClientSampleId :

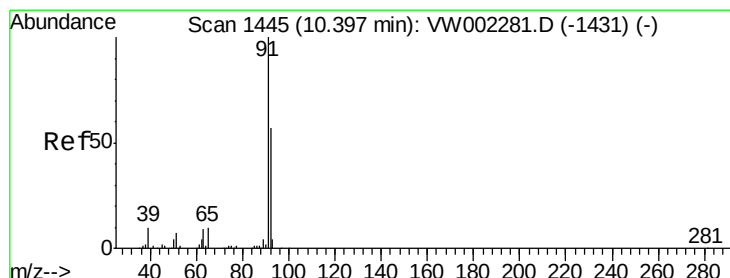
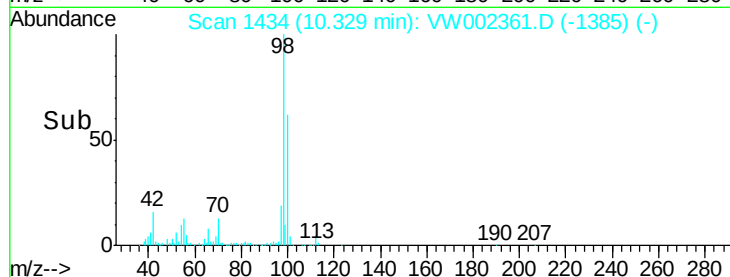
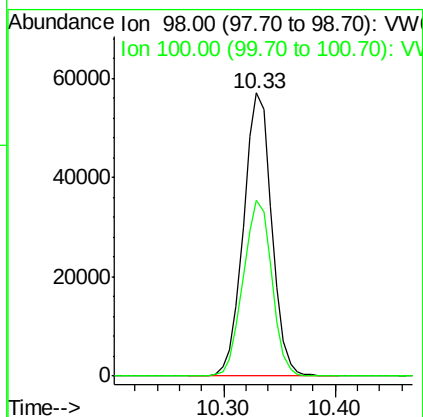
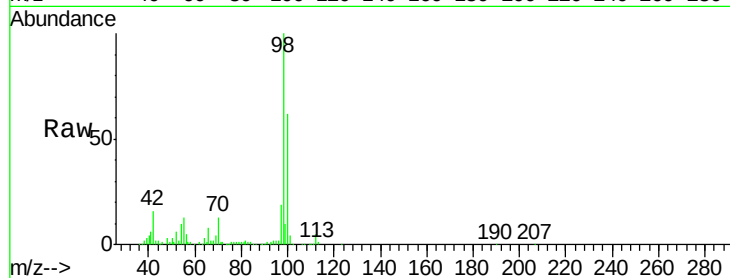
HR-06-050418RE

Tot Ion: 98 Resp: 100528

Ion Ratio Lower Upper

98 100

100 62.8 51.4 77.2



#52

Toluene

Concen: 23.77 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW002361.D

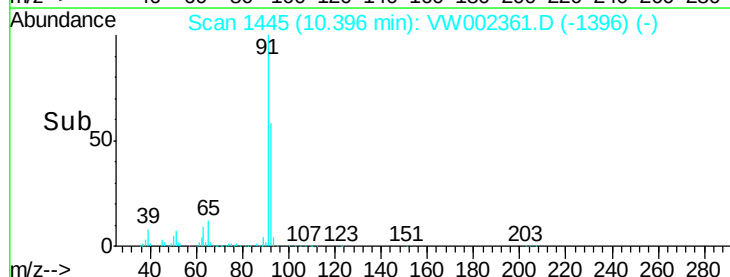
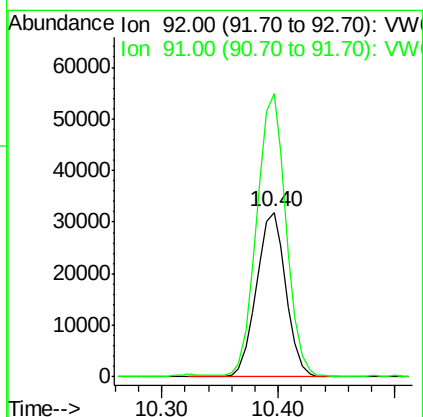
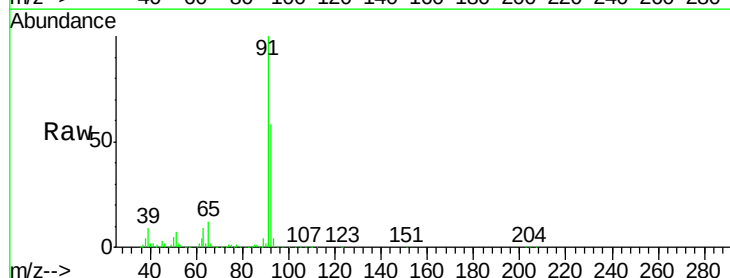
Acq: 10 May 2018 06:20

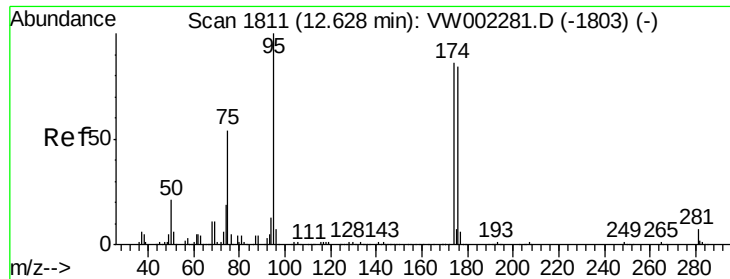
Tgt Ion: 92 Resp: 56251

Ion Ratio Lower Upper

92 100

91 170.6 138.6 208.0

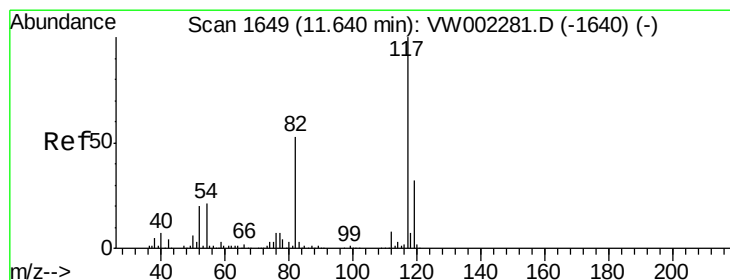
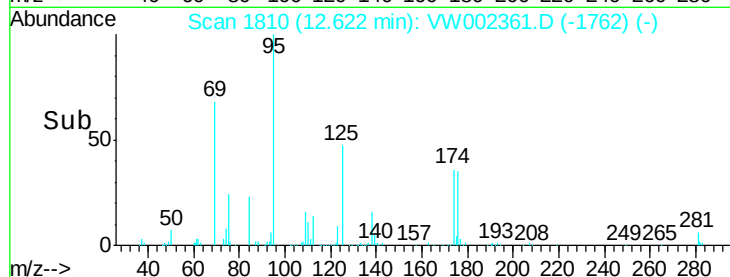
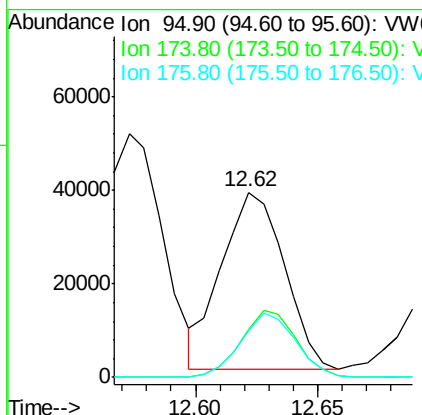
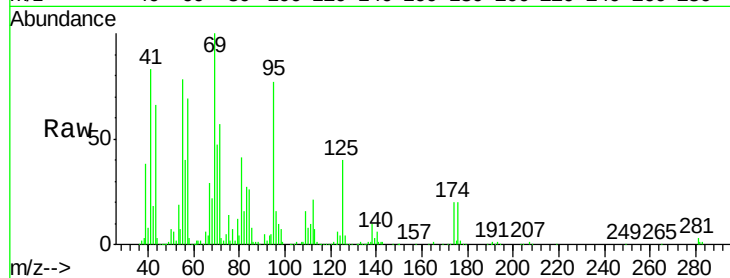




#62
4-Bromofluorobenzene
Concen: 53.92 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW002361.D
Acq: 10 May 2018 06:20

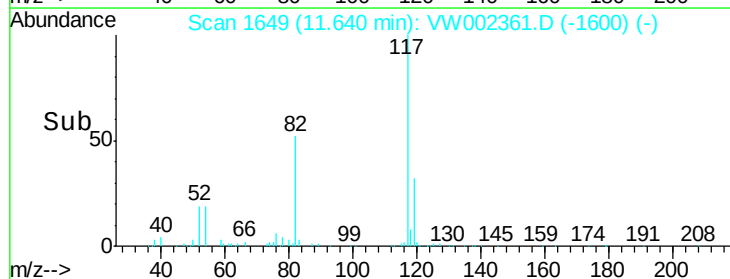
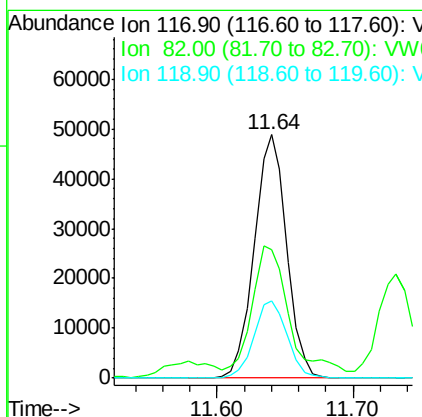
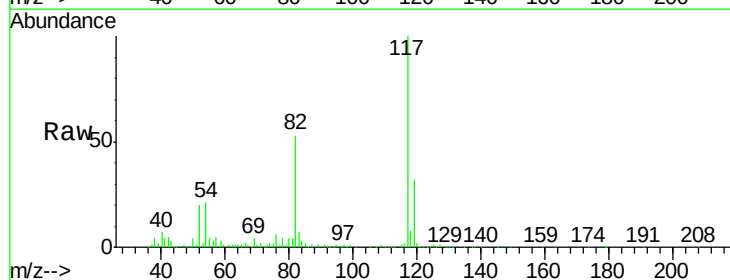
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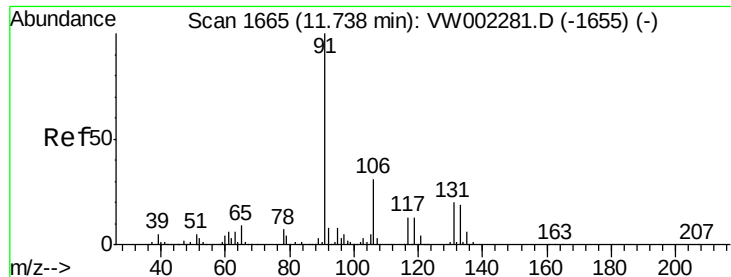
Tot Ion: 95 Resp: 67135
Ion Ratio Lower Upper
95 100
174 34.1 0.0 176.8
176 32.7 0.0 170.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002361.D
Acq: 10 May 2018 06:20

Tgt Ion: 117 Resp: 81307
Ion Ratio Lower Upper
117 100
82 47.7 42.6 63.8
119 31.6 25.2 37.8

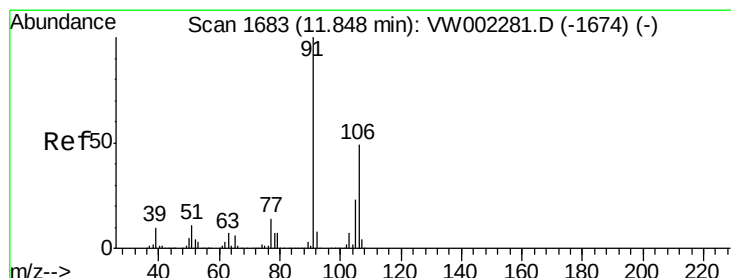
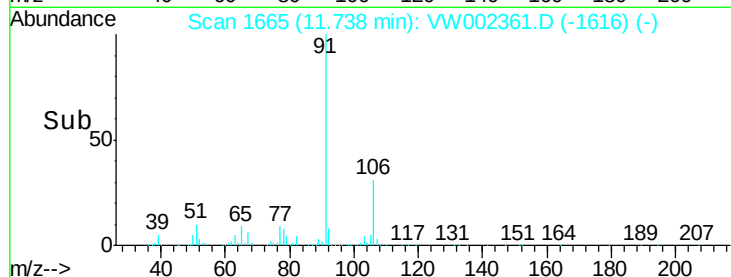
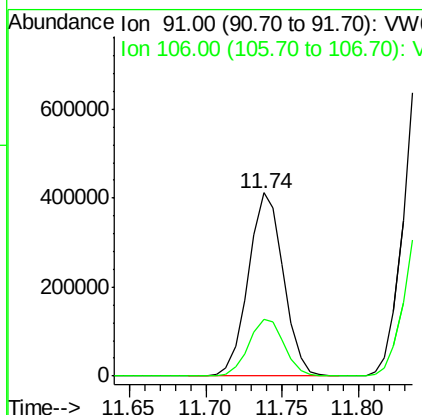
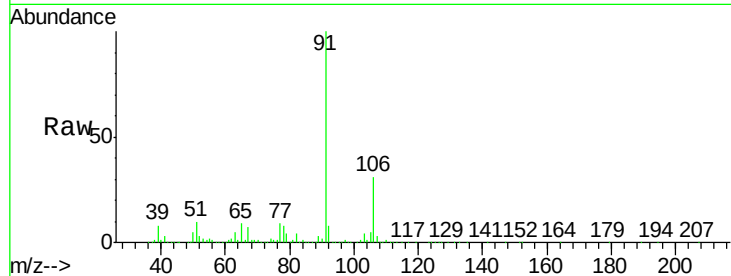




#67
Ethyl Benzene
Concen: 229.78 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002361.D
Acq: 10 May 2018 06:20

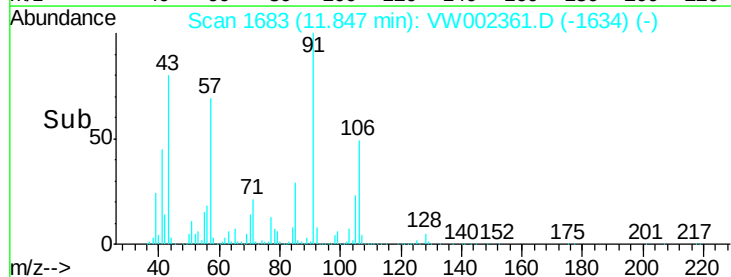
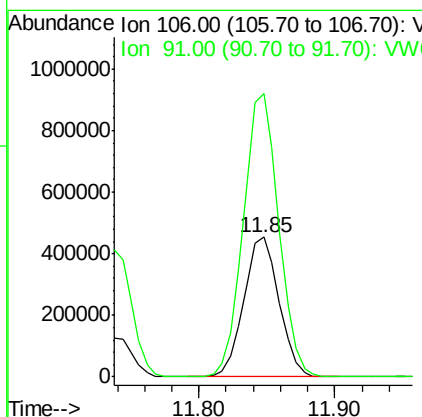
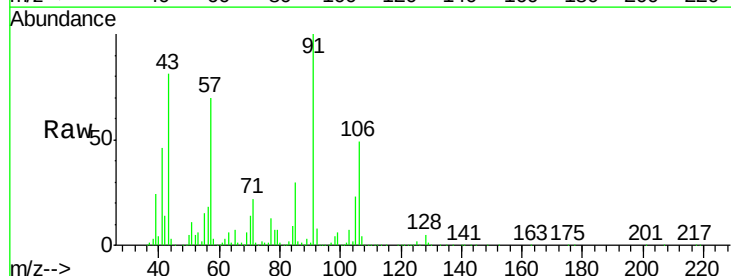
Instrument :
MSVOA_W
ClientSampled :
HR-06-050418RE

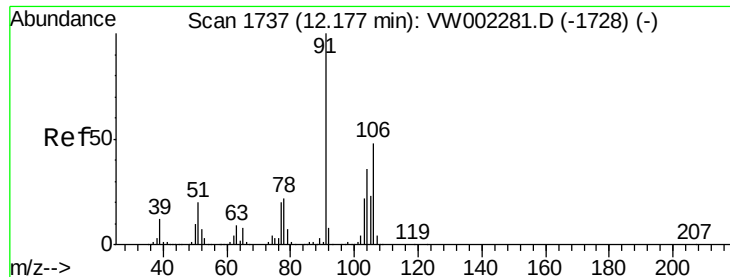
Tot Ion: 91 Resp: 656162
Ion Ratio Lower Upper
91 100
106 30.7 24.9 37.3



#68
m/p-Xylenes
Concen: 743.88 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002361.D
Acq: 10 May 2018 06:20

Tgt Ion: 106 Resp: 819615
Ion Ratio Lower Upper
106 100
91 203.7 161.4 242.0

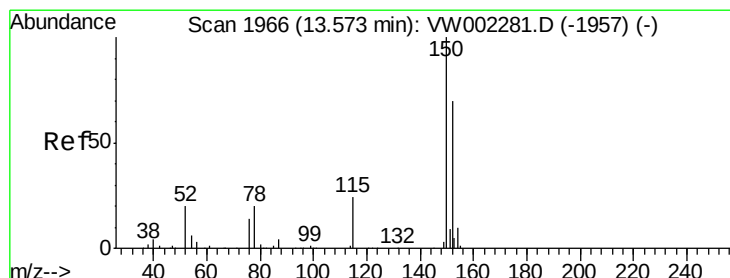
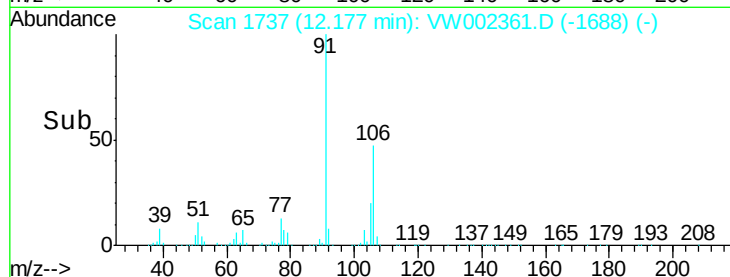
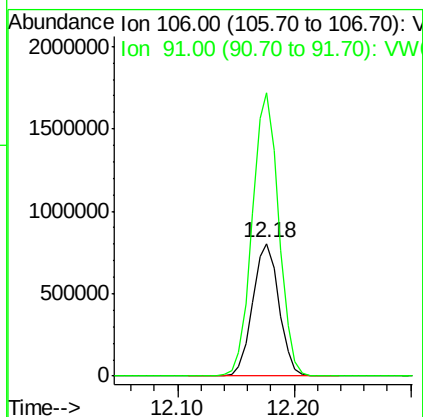
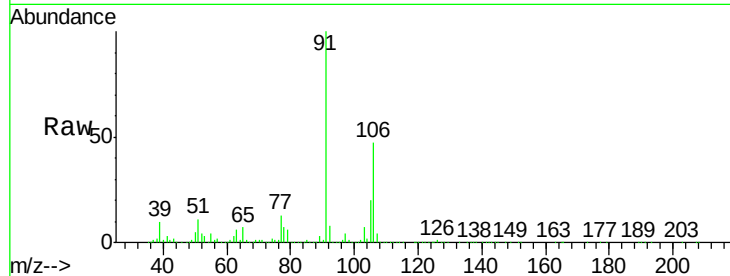




#69
o-Xylene
Concen: 1213.76 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002361.D
Acq: 10 May 2018 06:20

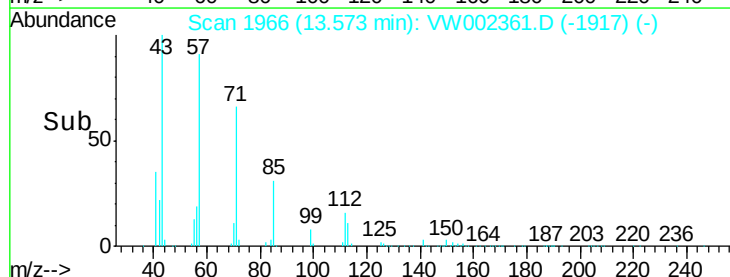
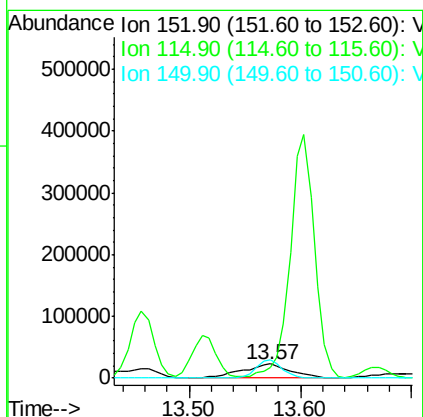
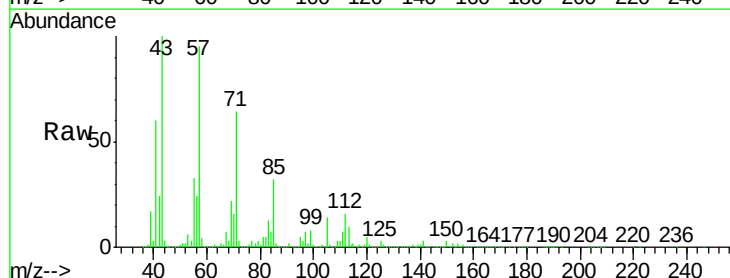
Instrument :
MSVOA_W
ClientSampleId :
HR-06-050418RE

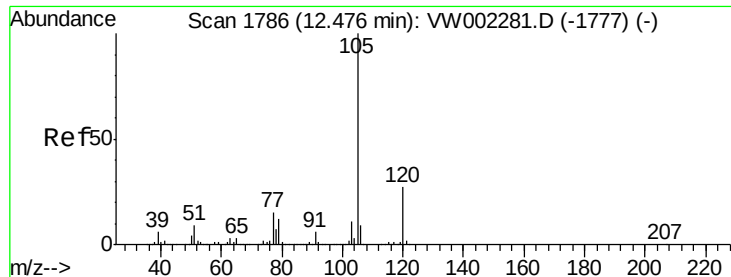
Tot Ion:106 Resp: 1271793
Ion Ratio Lower Upper
106 100
91 214.8 107.1 321.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002361.D
Acq: 10 May 2018 06:20

Tgt Ion:152 Resp: 64157
Ion Ratio Lower Upper
152 100
115 0.0 28.5 85.5#
150 72.4 0.0 342.6





#73

Isopropylbenzene

Concen: 192.68 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002361.D

Acq: 10 May 2018 06:20

Instrument :

MSVOA_W

ClientSampleId :

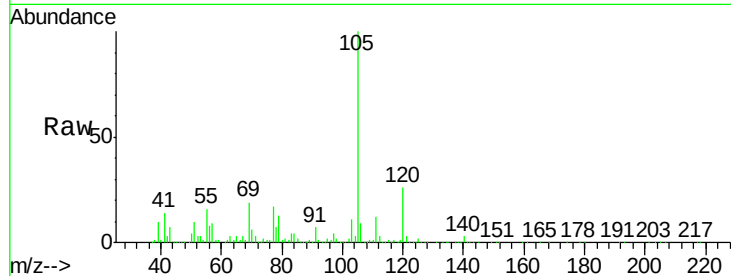
HR-06-050418RE

Tot Ion:105 Resp: 802971

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

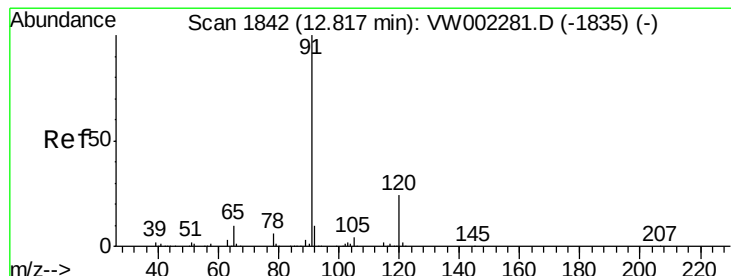
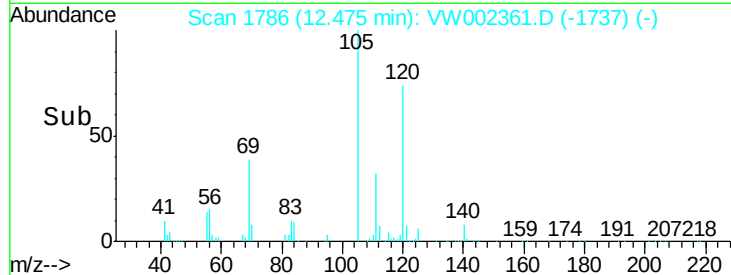
100000

0

12.40

12.50

Time-->



#78

n-propylbenzene

Concen: 456.80 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002361.D

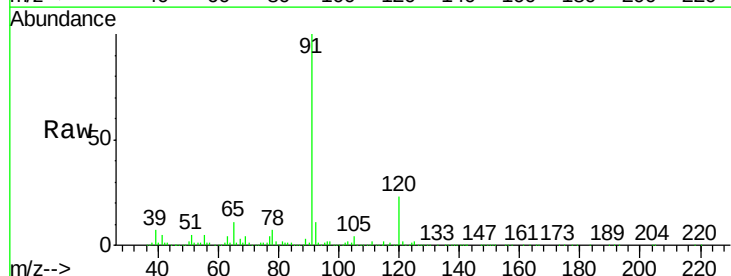
Acq: 10 May 2018 06:20

Tgt Ion: 91 Resp: 2256605

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

1500000

1000000

500000

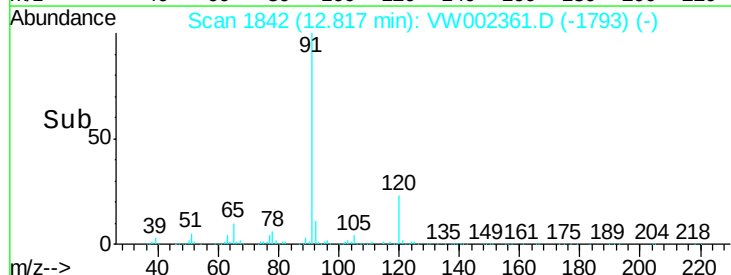
0

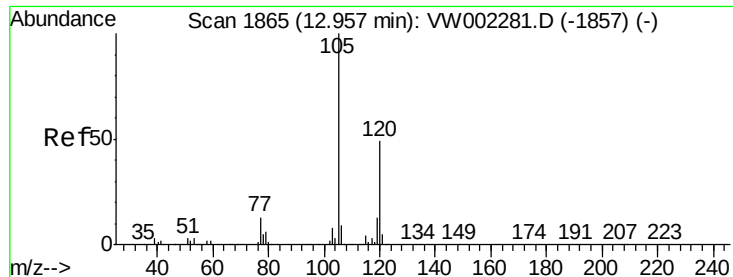
12.75

12.80

12.85

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 2379.38 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002361.D

Acq: 10 May 2018 06:20

Instrument :

MSVOA_W

ClientSampleId :

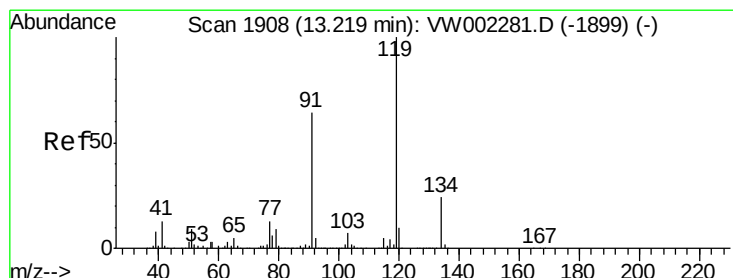
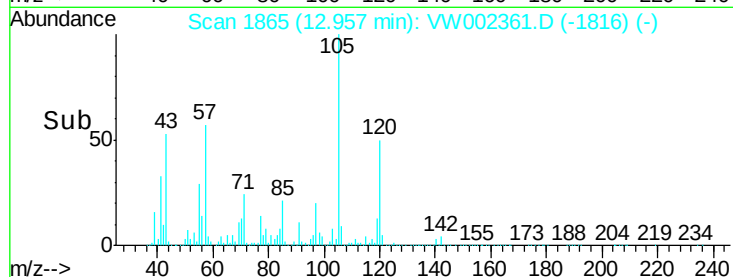
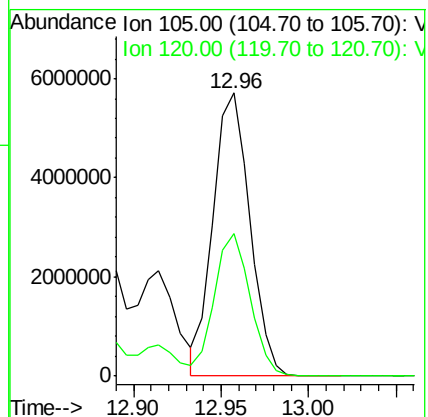
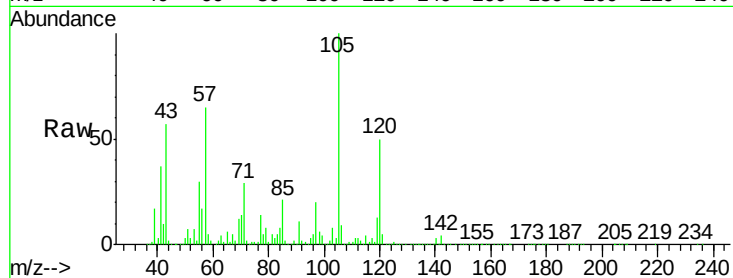
HR-06-050418RE

Tot Ion:105 Resp: 8340843

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0



#83

tert-Butylbenzene

Concen: 25.94 ug/l

RT: 13.22 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VW002361.D

Acq: 10 May 2018 06:20

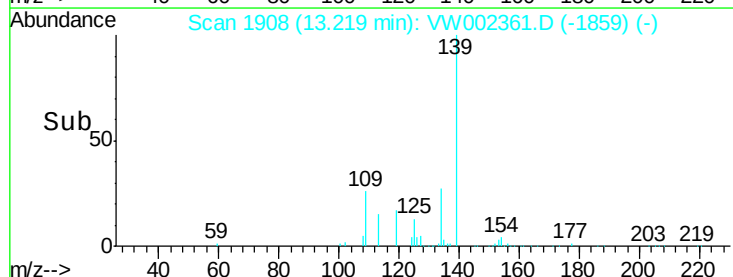
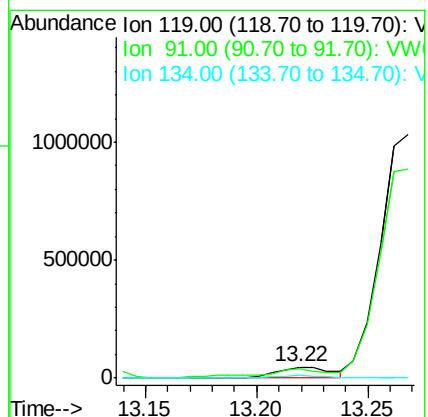
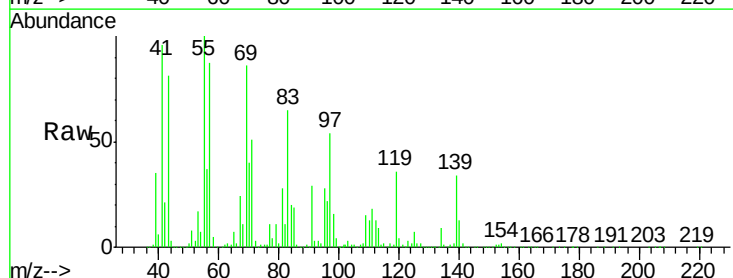
Tgt Ion:119 Resp: 78299

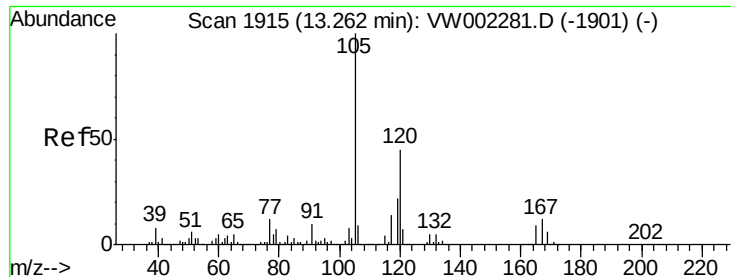
Ion Ratio Lower Upper

119 100

91 74.9 31.6 94.8

134 22.3 13.1 39.3





#84

1,2,4-Trimethylbenzene

Concen: 3184.12 ug/l

RT: 13.27 min Scan# 1916

Delta R.T. 0.01 min

Lab File: VW002361.D

Acq: 10 May 2018 06:20

Instrument :

MSVOA_W

ClientSampleId :

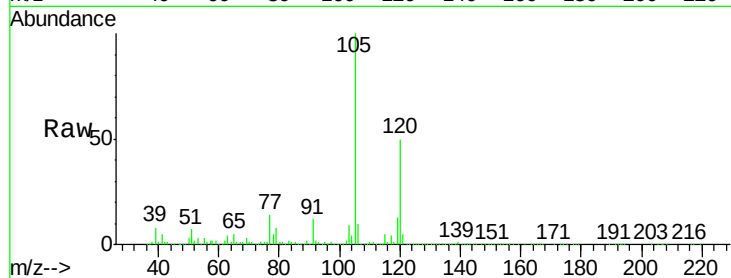
HR-06-050418RE

Tot Ion:105 Resp:11572578

Ion Ratio Lower Upper

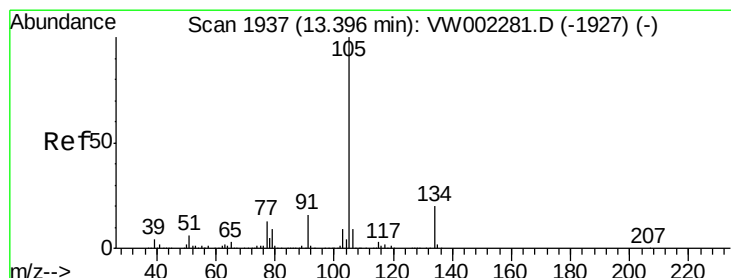
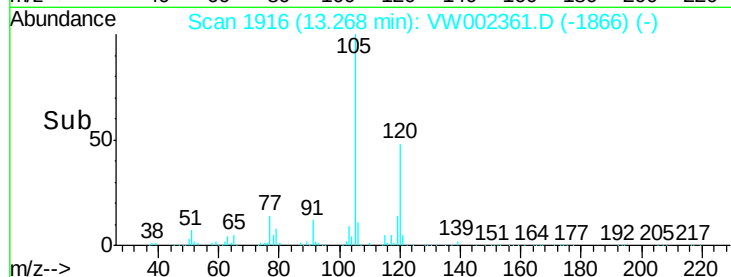
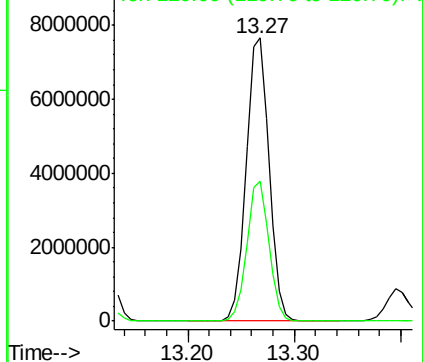
105 100

120 47.8 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 304.37 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VW002361.D

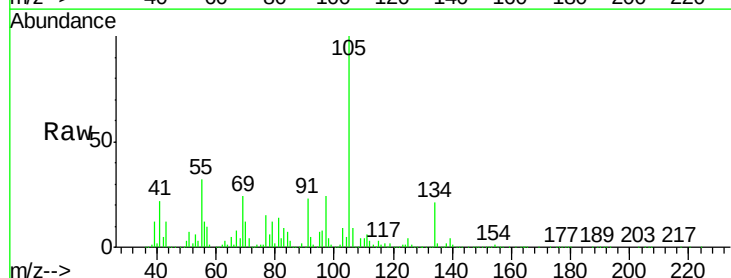
Acq: 10 May 2018 06:20

Tgt Ion:105 Resp: 1311527

Ion Ratio Lower Upper

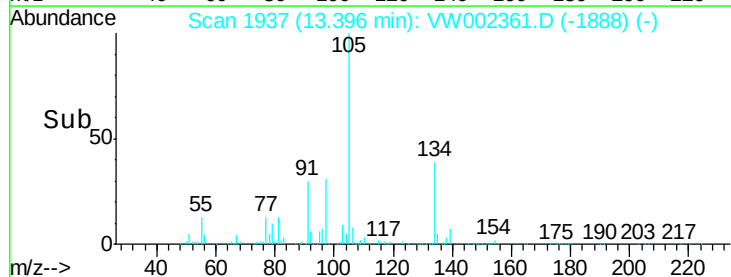
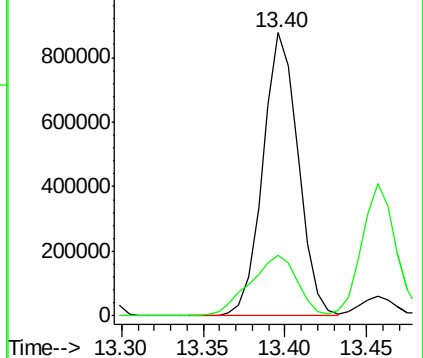
105 100

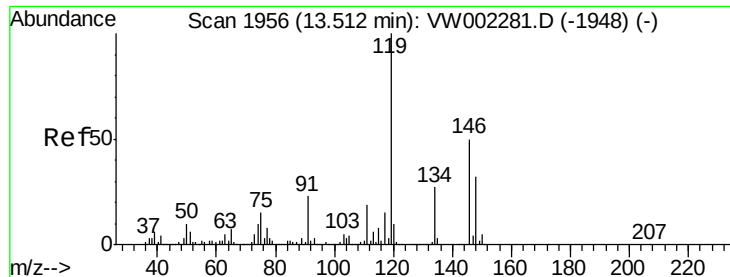
134 29.1 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 359.02 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW002361.D

Acq: 10 May 2018 06:20

Instrument :

MSVOA_W

ClientSampleId :

HR-06-050418RE

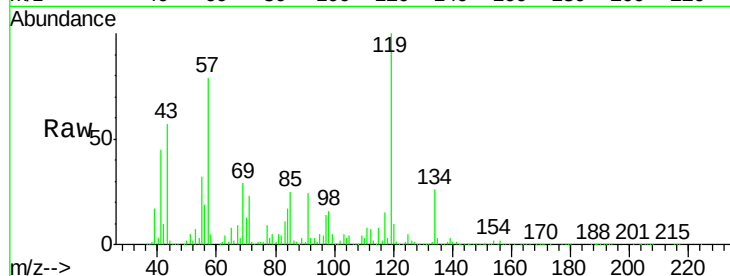
Tot Ion:119 Resp: 1383214

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

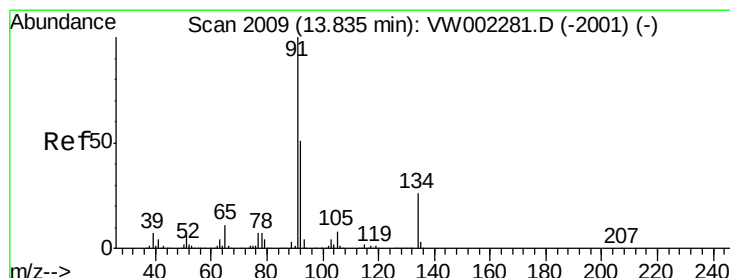
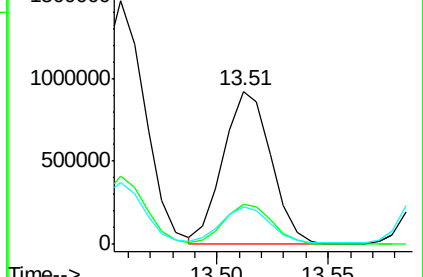
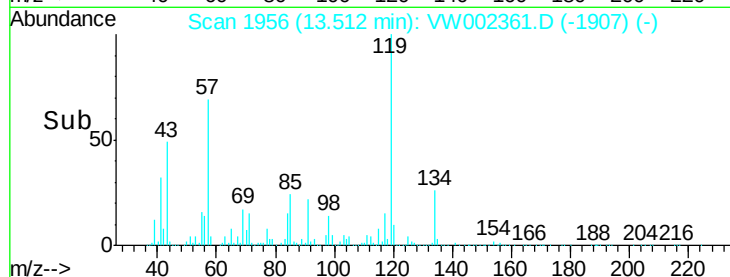
91 23.5 11.8 35.3



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: 350.94 ug/l

RT: 13.84 min Scan# 2010

Delta R.T. 0.01 min

Lab File: VW002361.D

Acq: 10 May 2018 06:20

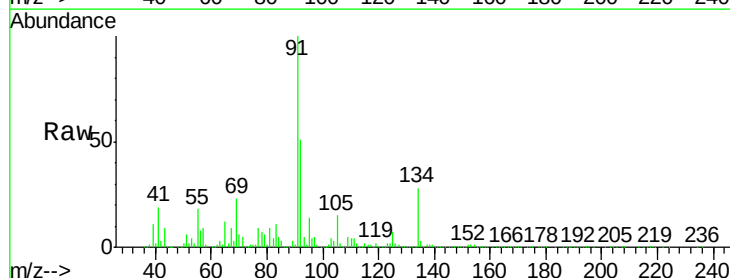
Tgt Ion: 91 Resp: 1265249

Ion Ratio Lower Upper

91 100

92 64.8 25.9 77.8

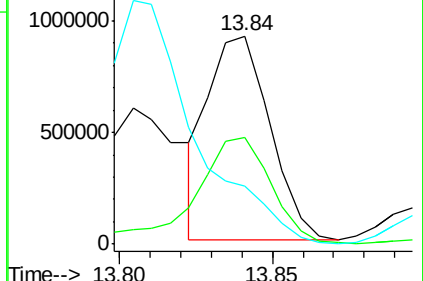
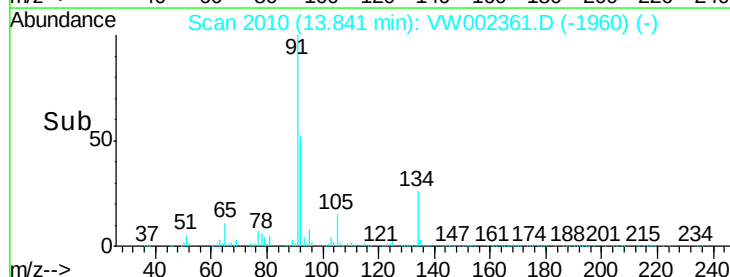
134 0.0 13.1 39.1#

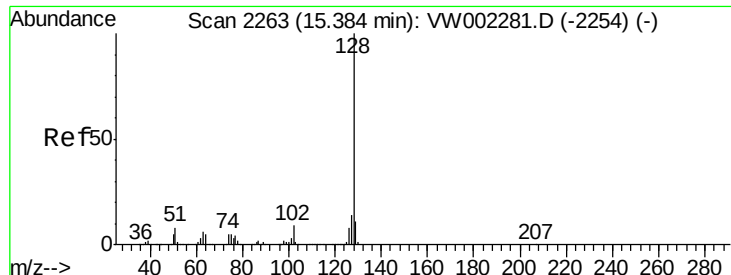


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 437.76 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002361.D

Acq: 10 May 2018 06:20

Instrument :

MSVOA_W

ClientSampleId :

HR-06-050418RE

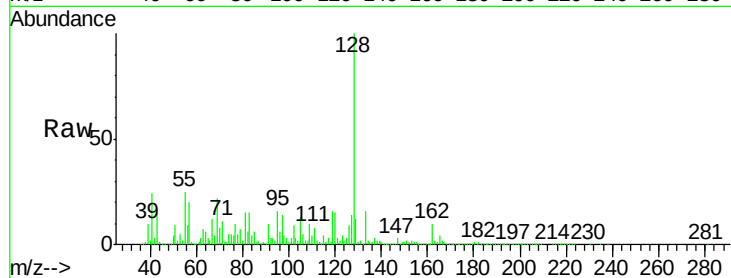
Tot Ion:128 Resp: 1085432

Ion Ratio Lower Upper

128 100

127 18.9 11.0 16.4#

129 11.7 8.7 13.1



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

