

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008512.D
 Acq On : 04 Feb 2019 19:56
 Operator : SY/VA
 Sample : K1341-05
 Misc : 6.17G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-020419-C

Quant Time: Feb 05 04:10:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

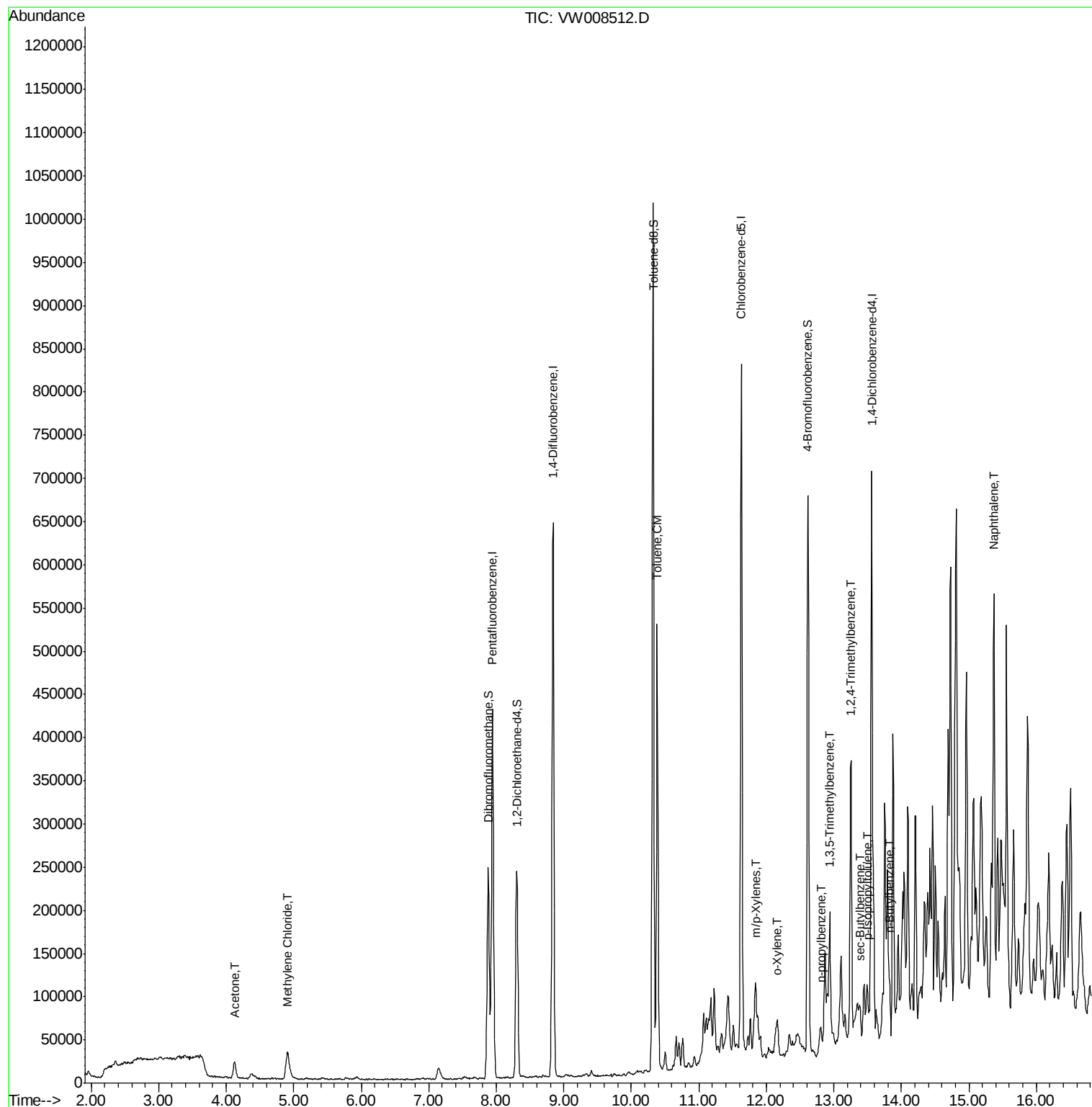
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	328339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	537737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164220	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	184134	57.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.16%	
35) Dibromofluoromethane	7.88	113	170059	54.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.16%	
50) Toluene-d8	10.32	98	623450	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.62	95	195494	40.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.68%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	33922	46.830	ug/l	99
20) Methylene Chloride	4.90	84	27640	8.279	ug/l	95
52) Toluene	10.38	92	221179	23.771	ug/l	99
68) m/p-Xylenes	11.83	106	15410	2.392	ug/l	98
69) o-Xylene	12.17	106	10320	1.686	ug/l	88
78) n-propylbenzene	12.80	91	20931	1.423	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	39033	3.814	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	182753	17.571	ug/l	100
85) sec-Butylbenzene	13.38	105	14188	1.091	ug/l	85
86) p-Isopropyltoluene	13.50	119	11876	1.043	ug/l	94
89) n-Butylbenzene	13.83	91	33639	3.008	ug/l #	83
95) Naphthalene	15.37	128	366279	61.182	ug/l	99

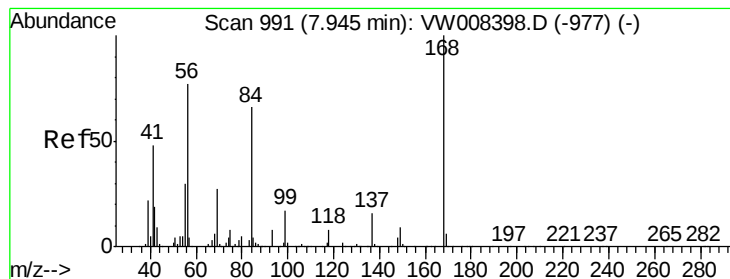
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008512.D
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008512.D

Acq: 04 Feb 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

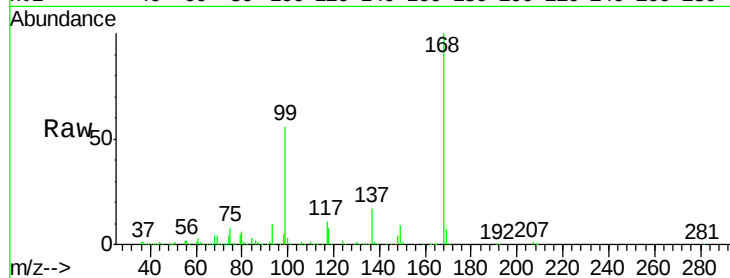
HR-05-020419-C

Tot Ion:168 Resp: 328339

Ion Ratio Lower Upper

168 100

99 55.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

50000

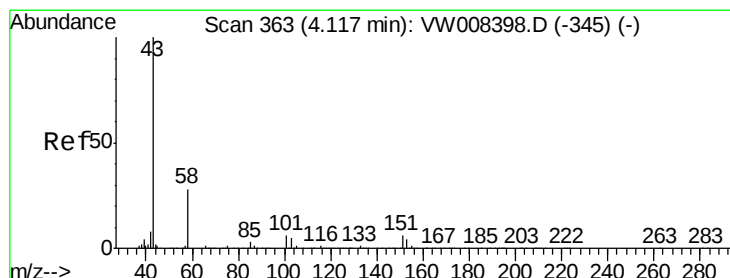
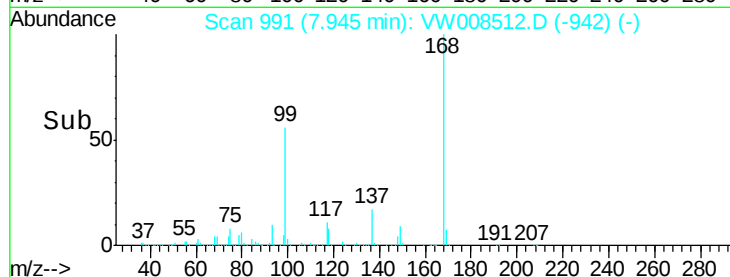
0

Time-->

7.80

7.90

8.00



#16

Acetone

Concen: 46.830 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008512.D

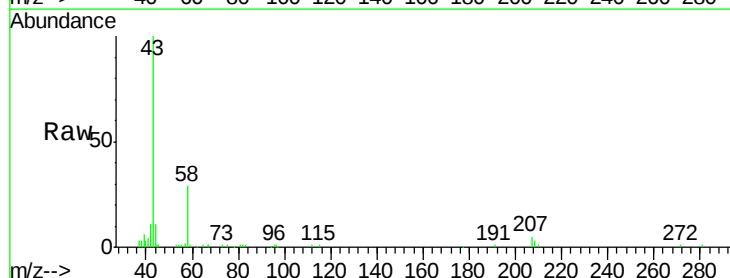
Acq: 04 Feb 2019 19:56

Tgt Ion: 43 Resp: 33922

Ion Ratio Lower Upper

43 100

58 28.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

10000

5000

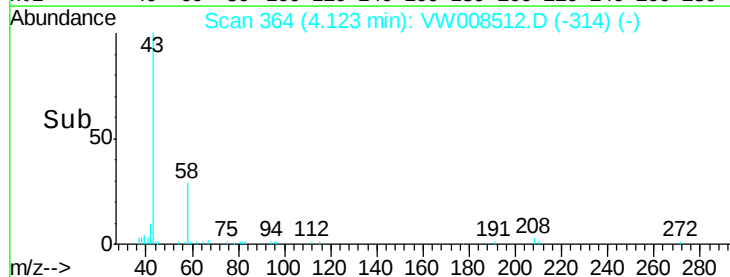
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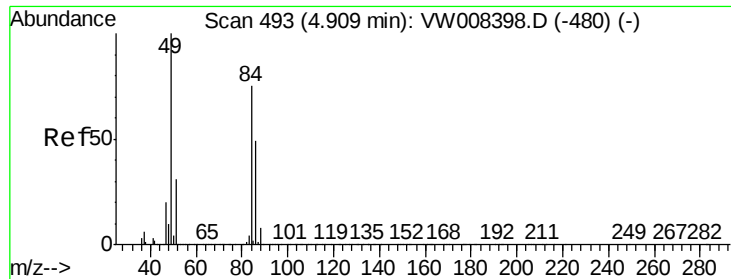
Time-->

4.00

4.10

4.20

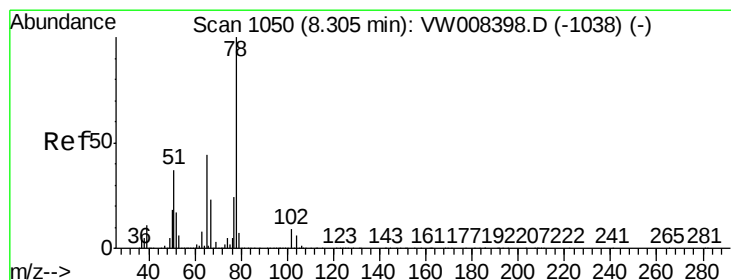
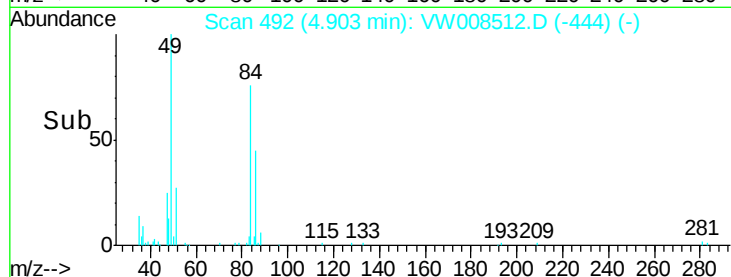
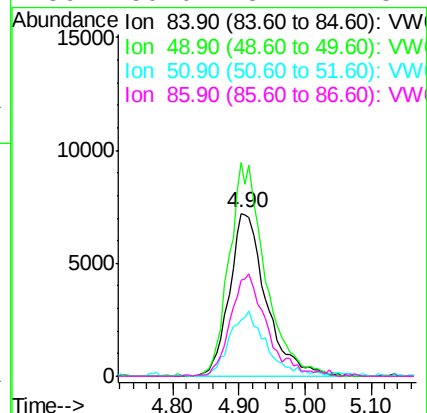
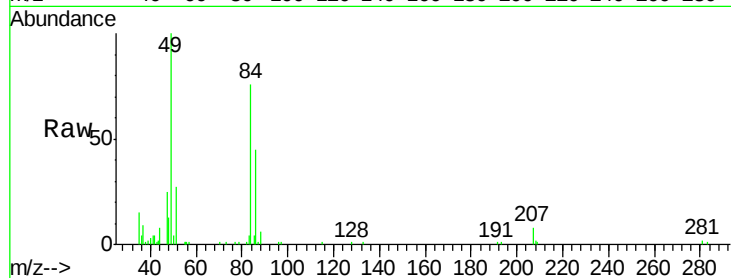




#20
Methylene Chloride
Concen: 8.279 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008512.D
Acq: 04 Feb 2019 19:56

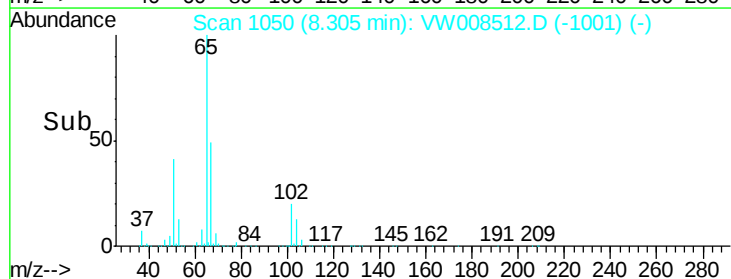
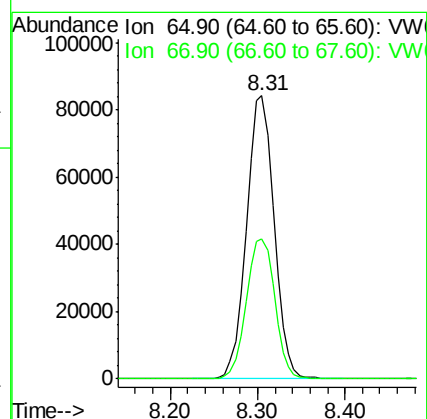
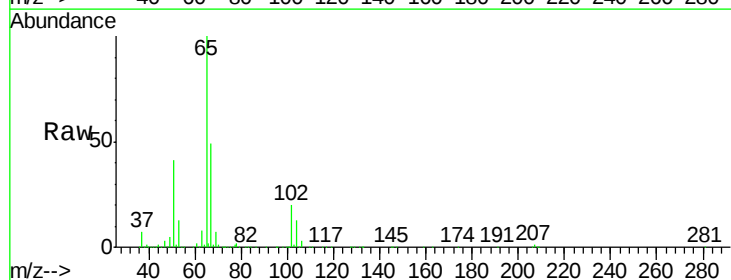
Instrument :
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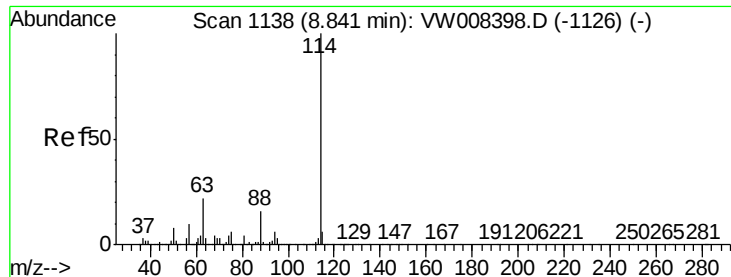
Tot Ion:	84	Resp:	27640
Ion	Ratio	Lower	Upper
84	100		
49	131.3	106.8	160.2
51	34.9	32.9	49.3
86	59.0	52.2	78.2



#33
1,2-Dichloroethane-d4
Concen: 57.085 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008512.D
Acq: 04 Feb 2019 19:56

Tgt Ion:	65	Resp:	184134
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.0

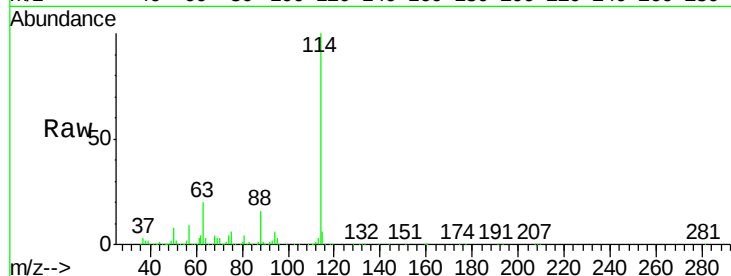




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008512.D
 Acq: 04 Feb 2019 19:56

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-020419-C

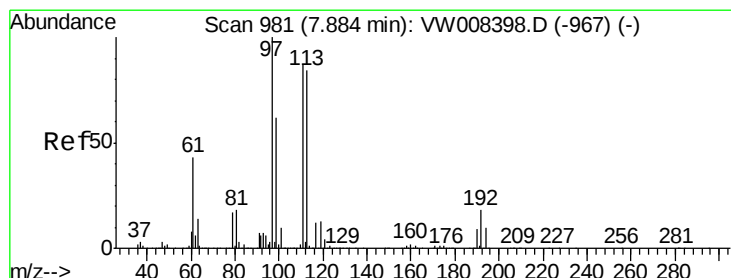
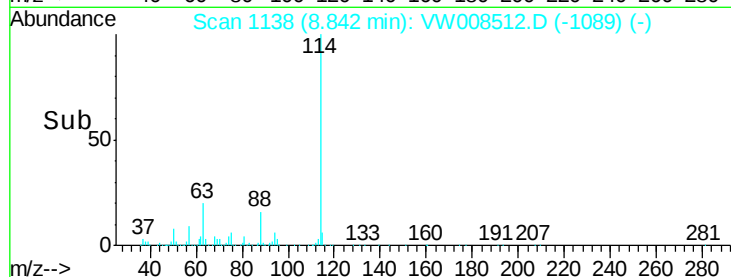
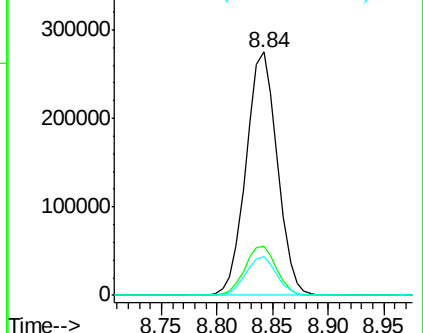
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.6
88	15.8	0.0	31.8



Abundance Ion 113.90 (113.60 to 114.60): V

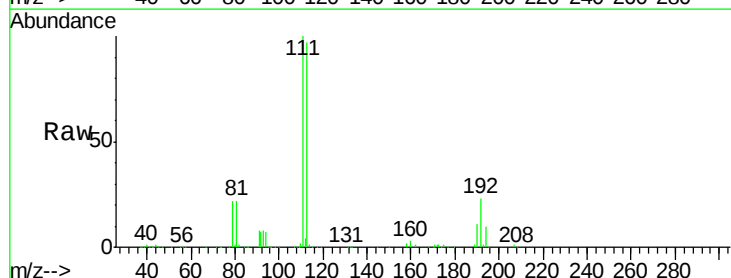
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 54.084 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008512.D
 Acq: 04 Feb 2019 19:56

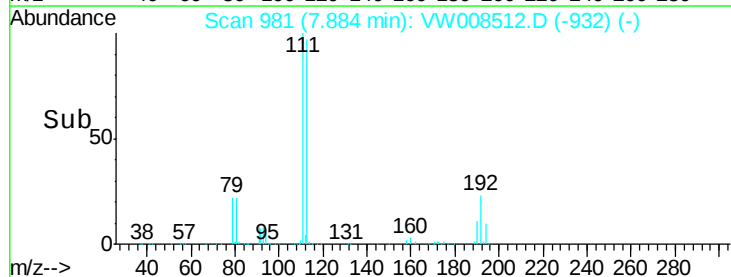
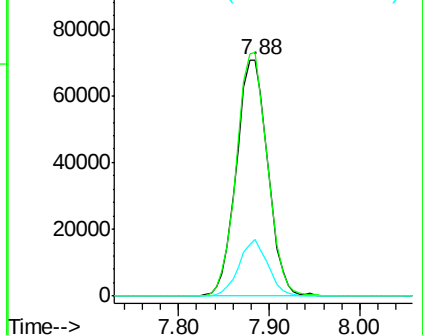
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.0	121.4
192	22.1	16.8	25.2

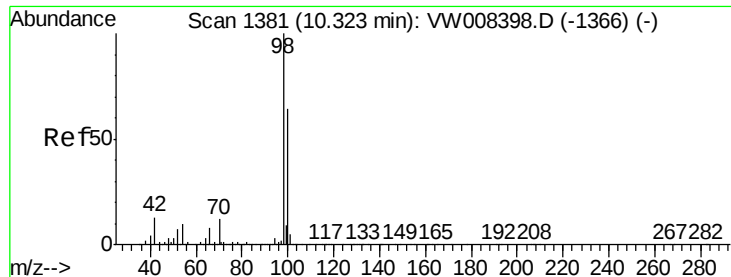


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.445 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008512.D

Acq: 04 Feb 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

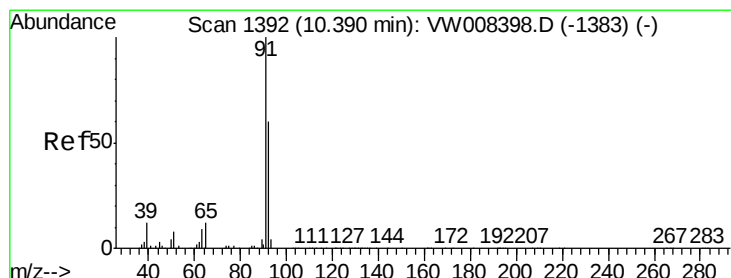
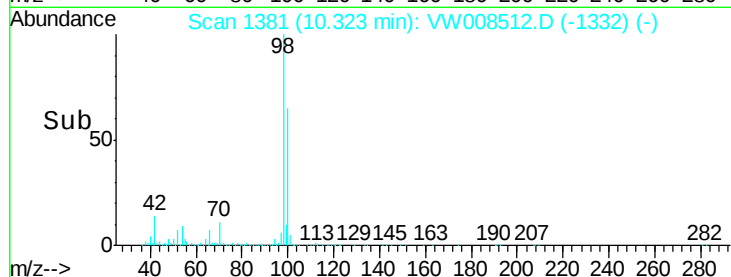
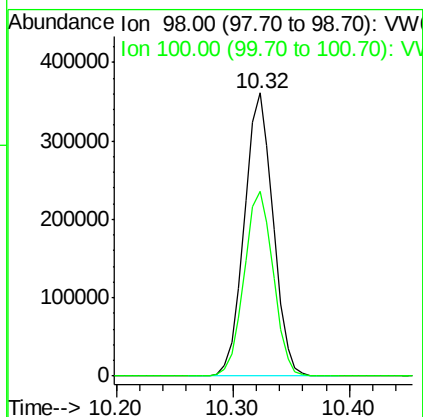
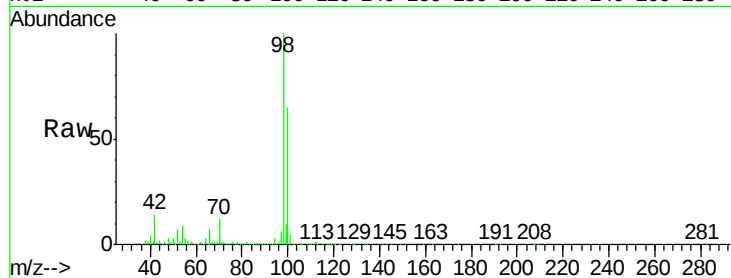
HR-05-020419-C

Tot Ion: 98 Resp: 623450

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8



#52

Toluene

Concen: 23.771 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008512.D

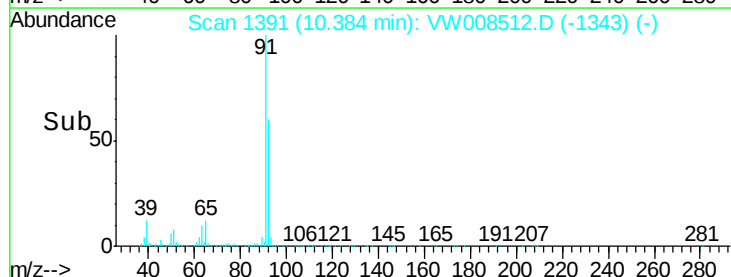
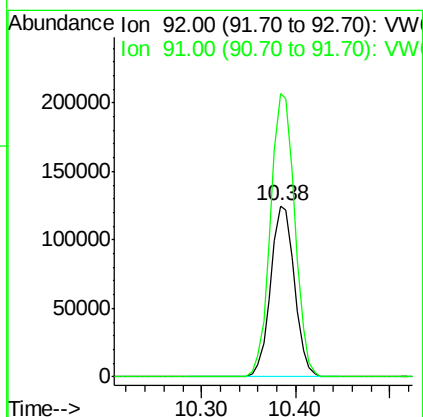
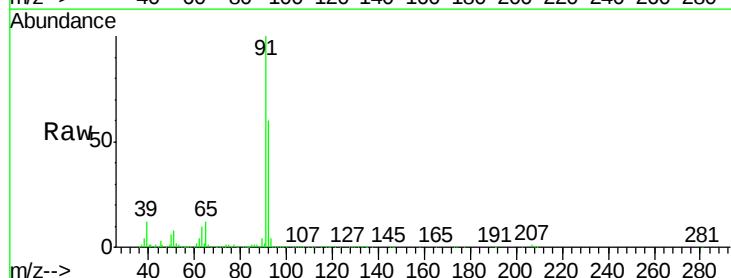
Acq: 04 Feb 2019 19:56

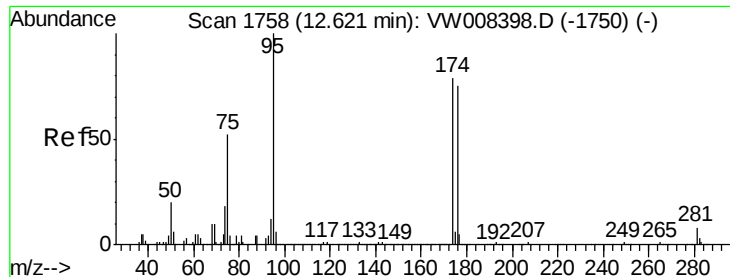
Tgt Ion: 92 Resp: 221179

Ion Ratio Lower Upper

92 100

91 167.9 135.5 203.3

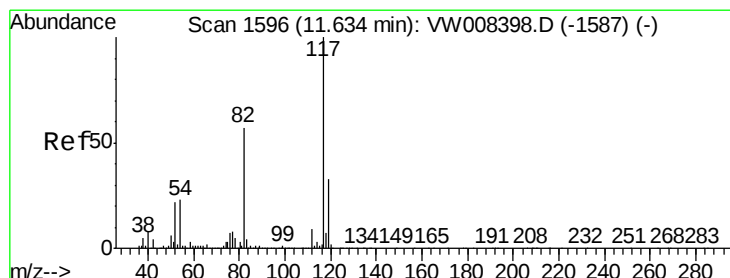
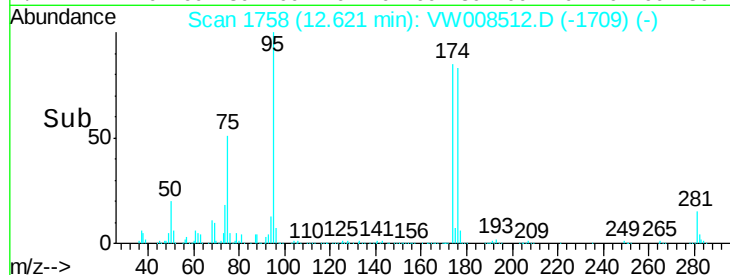
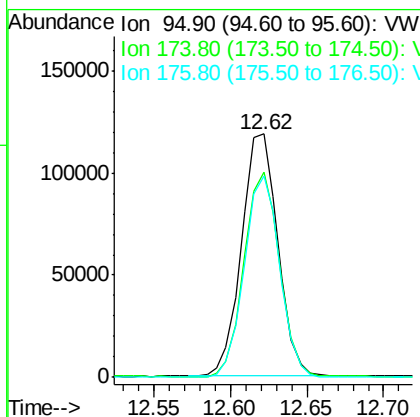
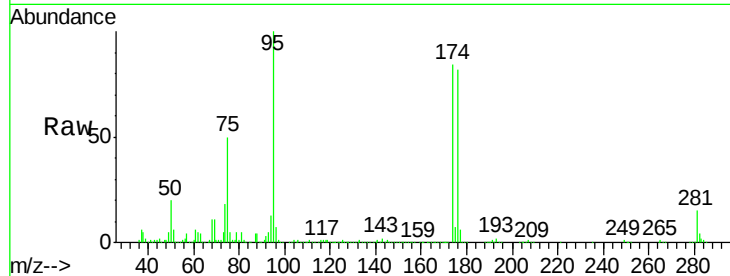




#62
4-Bromofluorobenzene
Concen: 40.336 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008512.D
Acq: 04 Feb 2019 19:56

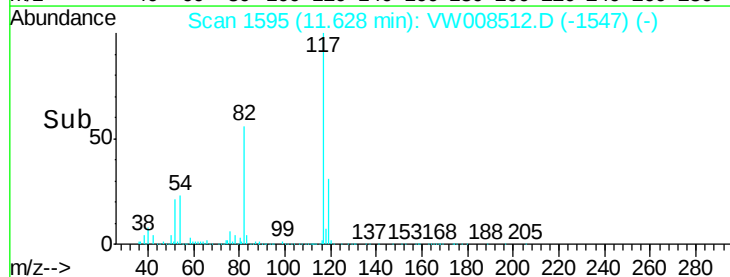
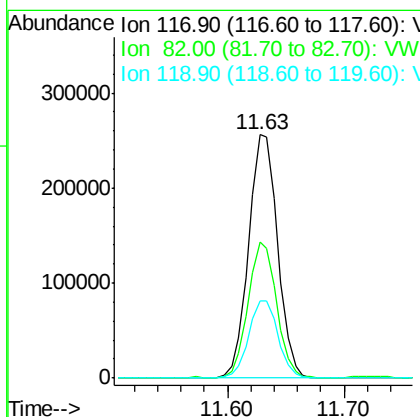
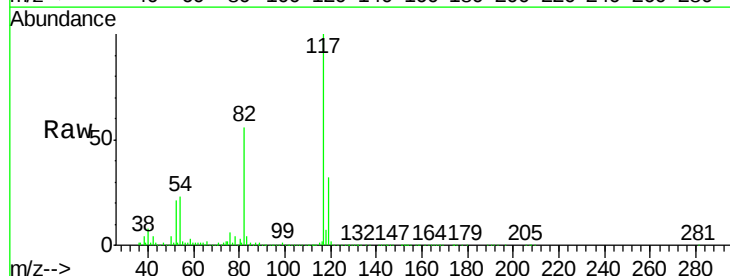
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MSVOA_W
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HR-05-020419-C

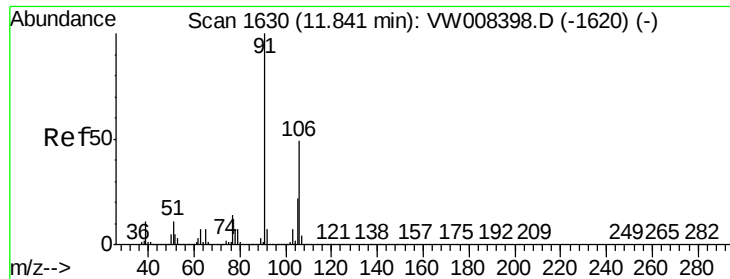
Tot Ion: 95 Resp: 195494
Ion Ratio Lower Upper
95 100
174 82.5 0.0 157.6
176 81.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008512.D
Acq: 04 Feb 2019 19:56

Tgt Ion: 117 Resp: 442479
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 31.5 26.2 39.4

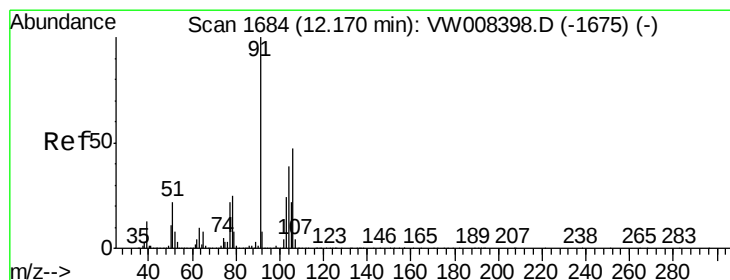
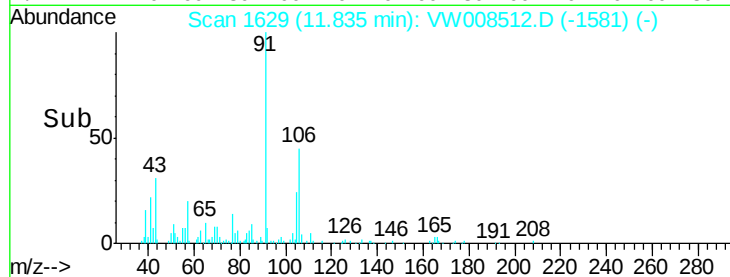
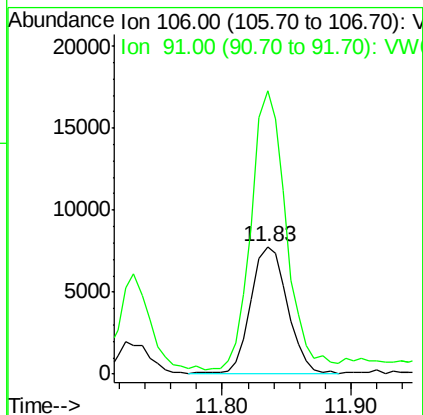
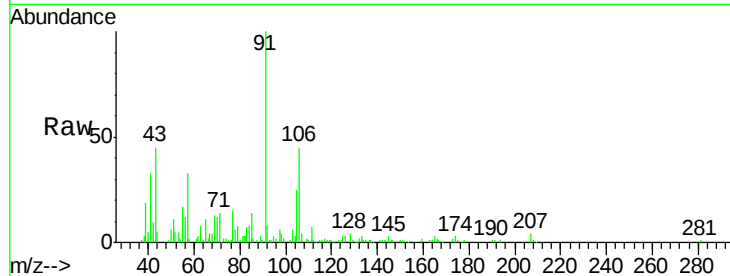




#68
m/p-Xylenes
Concen: 2.392 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008512.D
Acq: 04 Feb 2019 19:56

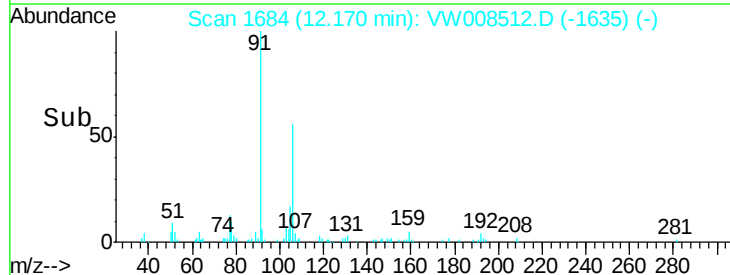
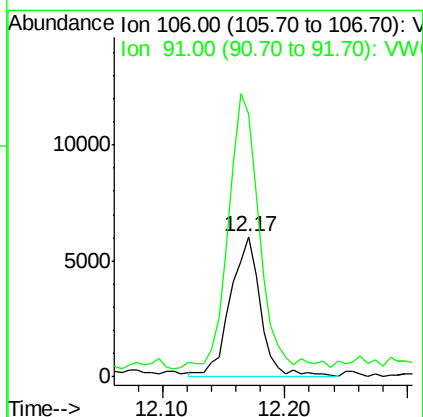
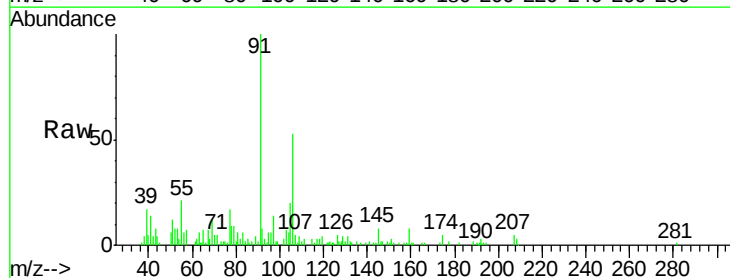
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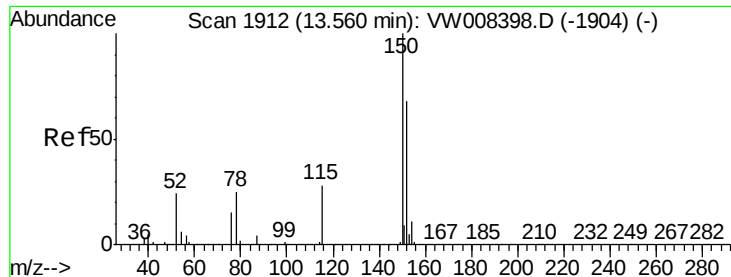
Tot Ion:106 Resp: 15410
Ion Ratio Lower Upper
106 100
91 207.0 162.9 244.3



#69
o-Xylene
Concen: 1.686 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008512.D
Acq: 04 Feb 2019 19:56

Tgt Ion:106 Resp: 10320
Ion Ratio Lower Upper
106 100
91 195.8 107.5 322.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008512.D

Acq: 04 Feb 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

HR-05-020419-C

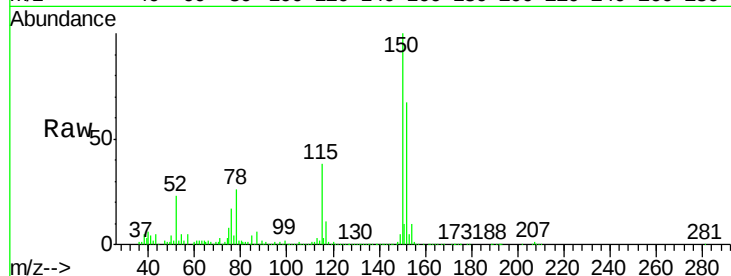
Tot Ion:152 Resp: 164220

Ion Ratio Lower Upper

152 100

115 59.4 29.9 89.7

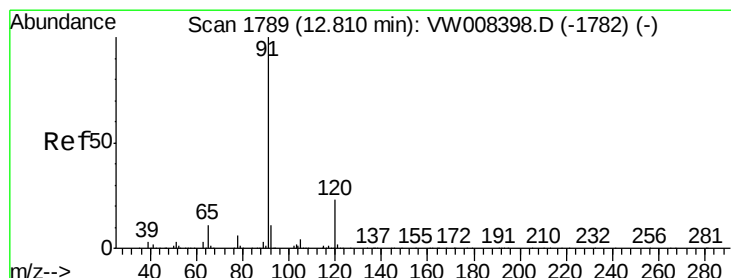
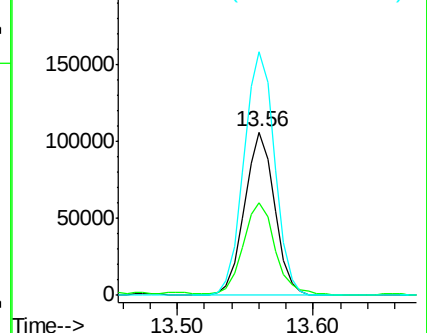
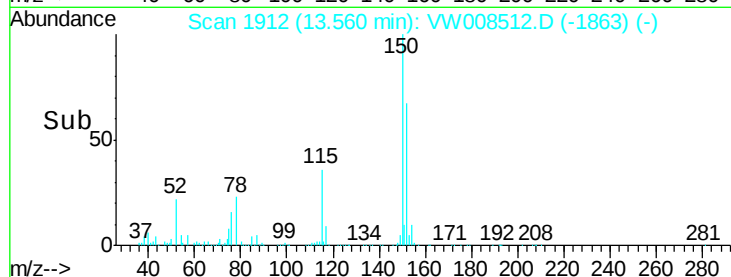
150 152.8 0.0 351.4



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: 1.423 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008512.D

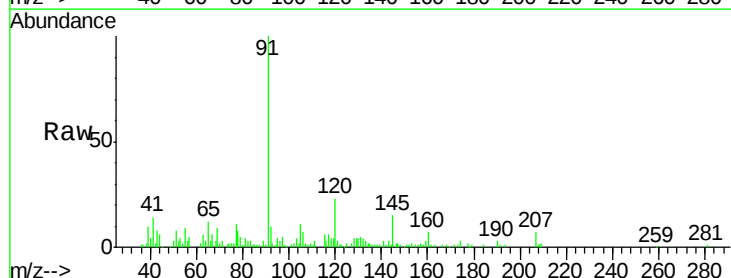
Acq: 04 Feb 2019 19:56

Tgt Ion: 91 Resp: 20931

Ion Ratio Lower Upper

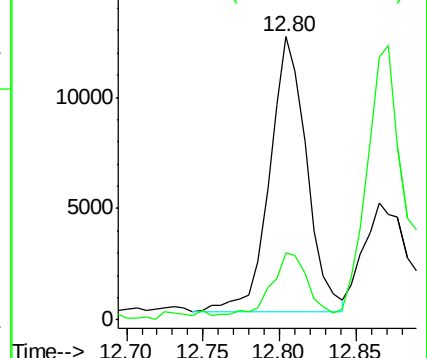
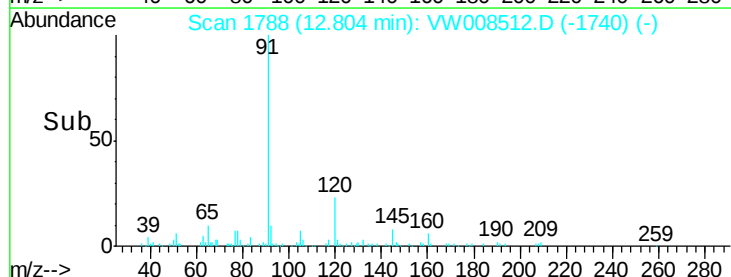
91 100

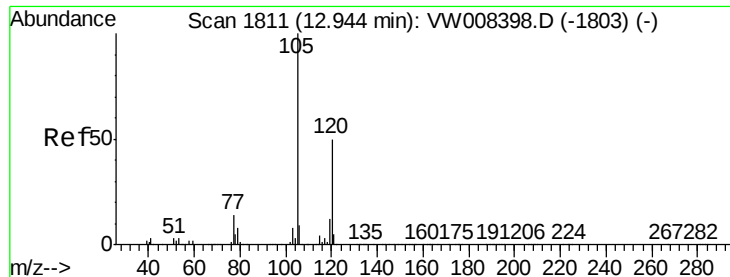
120 20.5 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

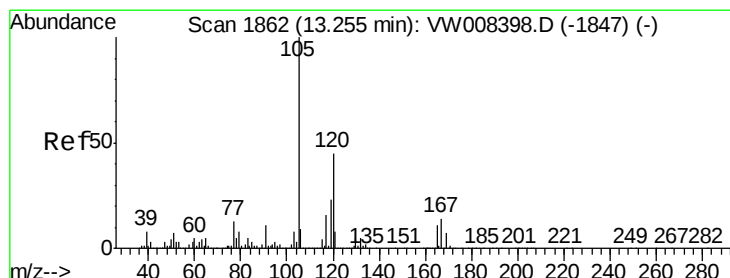
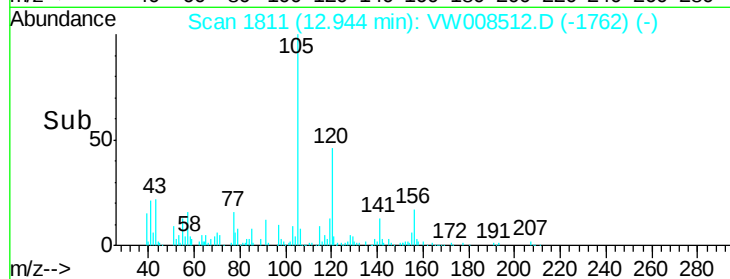
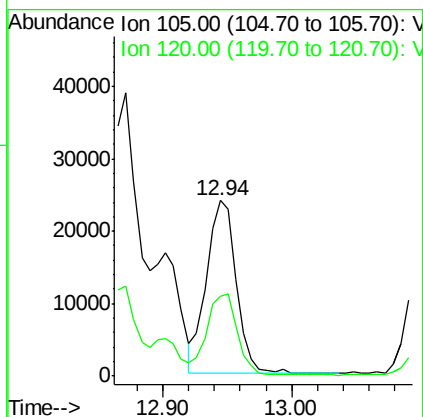
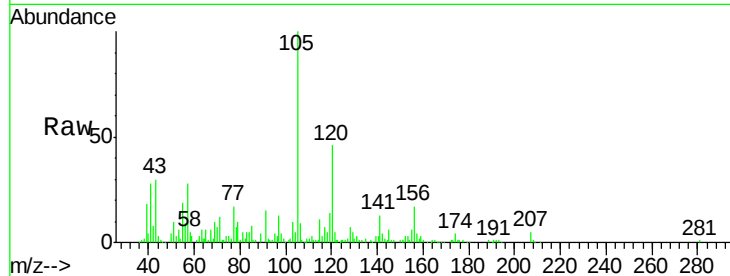




#80
 1,3,5-Trimethylbenzene
 Concen: 3.814 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008512.D
 Acq: 04 Feb 2019 19:56

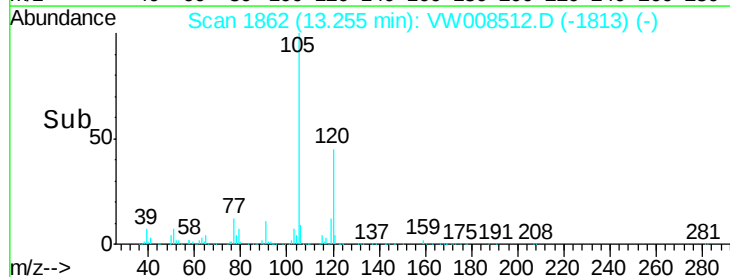
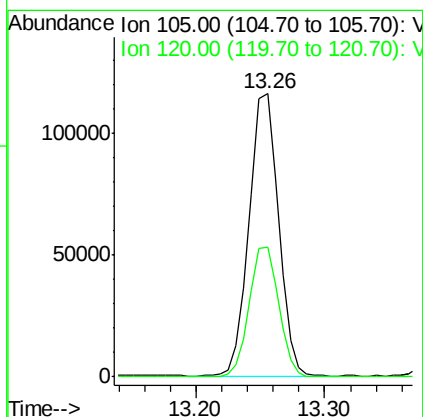
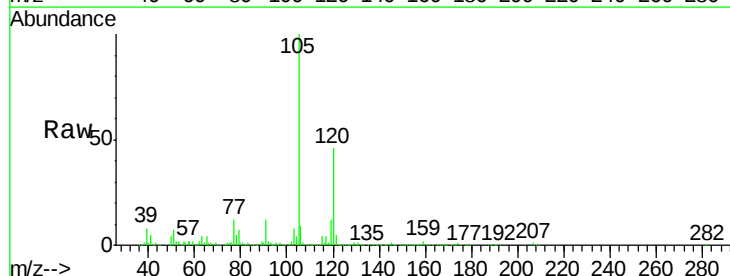
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-020419-C

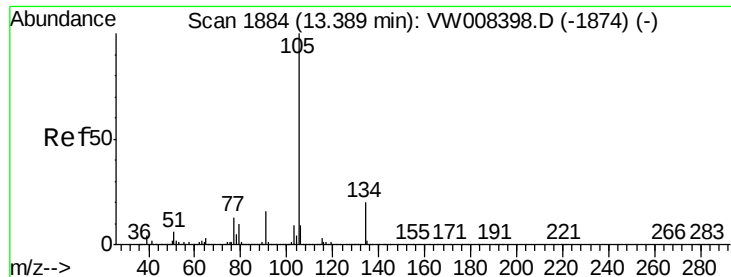
Tot Ion:105 Resp: 39033
 Ion Ratio Lower Upper
 105 100
 120 46.7 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 17.571 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008512.D
 Acq: 04 Feb 2019 19:56

Tgt Ion:105 Resp: 182753
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 1.091 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008512.D

Acq: 04 Feb 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

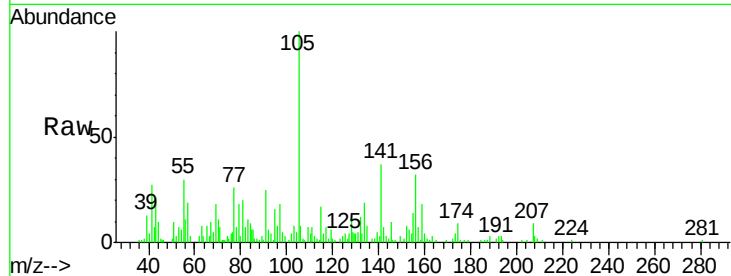
HR-05-020419-C

Tot Ion:105 Resp: 14188

Ion Ratio Lower Upper

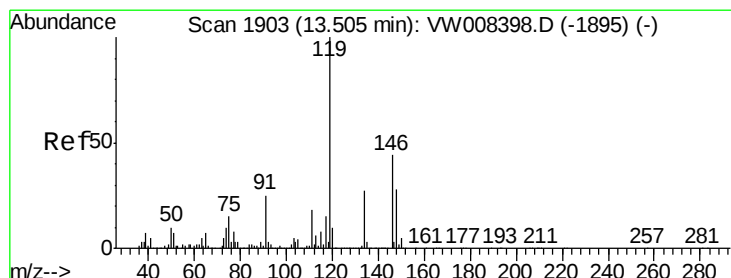
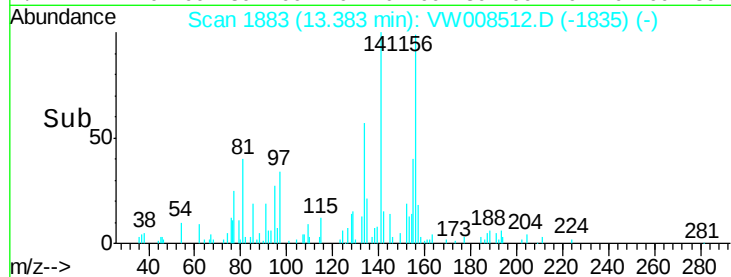
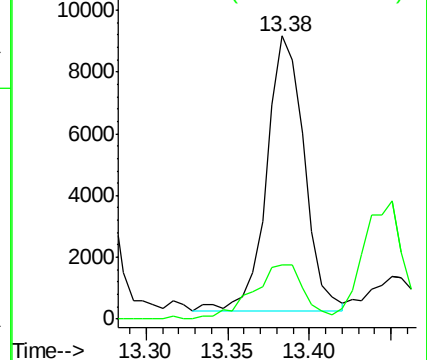
105 100

134 27.2 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.043 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008512.D

Acq: 04 Feb 2019 19:56

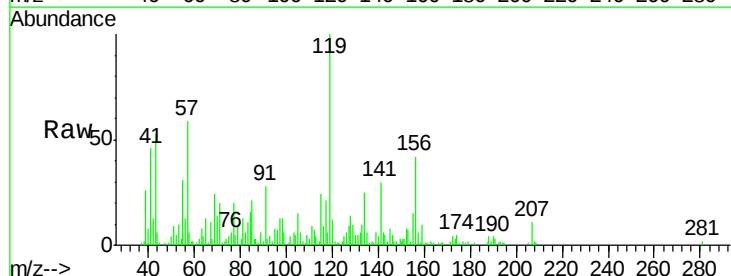
Tgt Ion:119 Resp: 11876

Ion Ratio Lower Upper

119 100

134 28.9 13.4 40.2

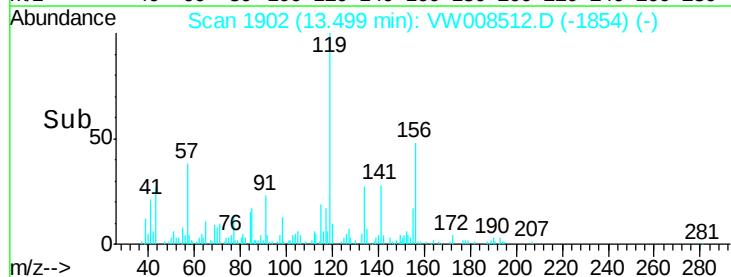
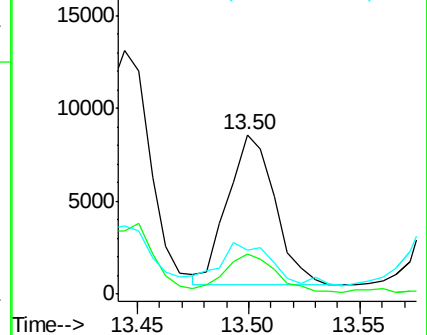
91 28.9 12.6 37.6

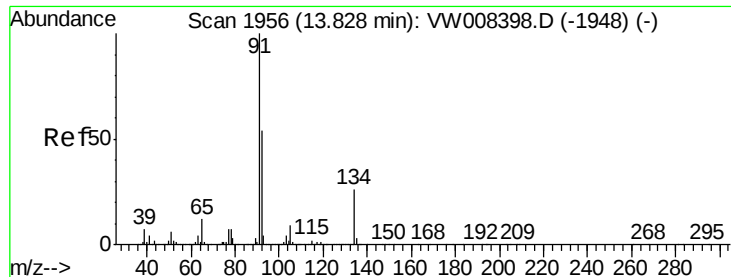


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 3.008 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008512.D

Acq: 04 Feb 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

HR-05-020419-C

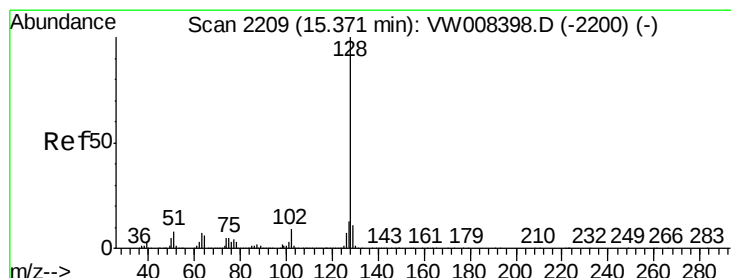
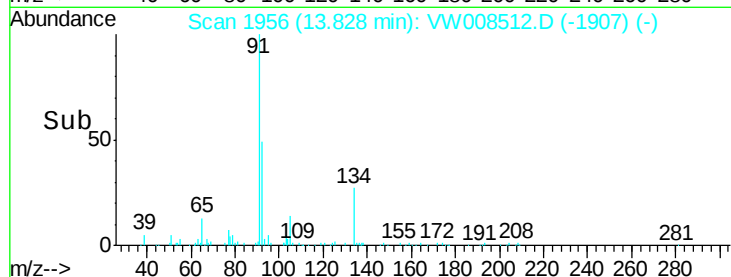
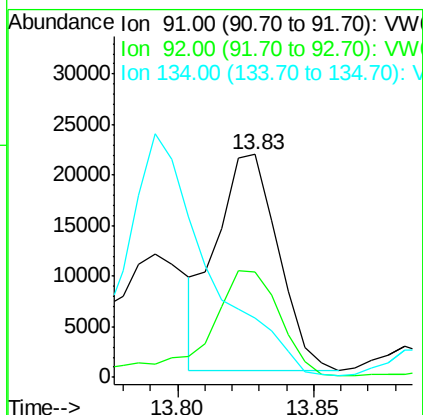
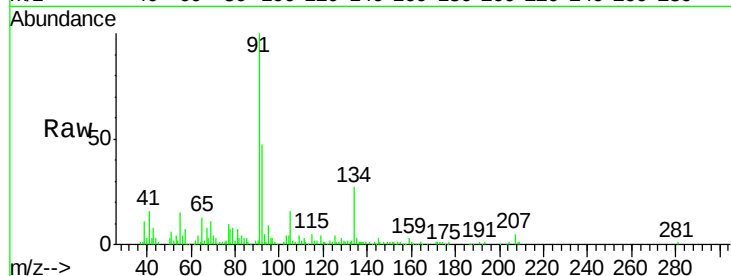
Tot Ion: 91 Resp: 33639

Ion Ratio Lower Upper

91 100

92 55.4 27.4 82.2

134 0.0 13.0 39.0#



#95

Naphthalene

Concen: 61.182 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008512.D

Acq: 04 Feb 2019 19:56

Tgt Ion: 128 Resp: 366279

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

129 11.1 8.7 13.1

