

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008511.D
 Acq On : 04 Feb 2019 19:29
 Operator : SY/VA
 Sample : K1341-03
 Misc : 6.91G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Feb 05 04:07:57 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	331961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	548873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165945	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	183230	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
35) Dibromofluoromethane	7.88	113	173199	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	
50) Toluene-d8	10.32	98	631802	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.62	95	197020	39.83	ug/l	0.00
Spiked Amount			Recovery	=	79.66%	

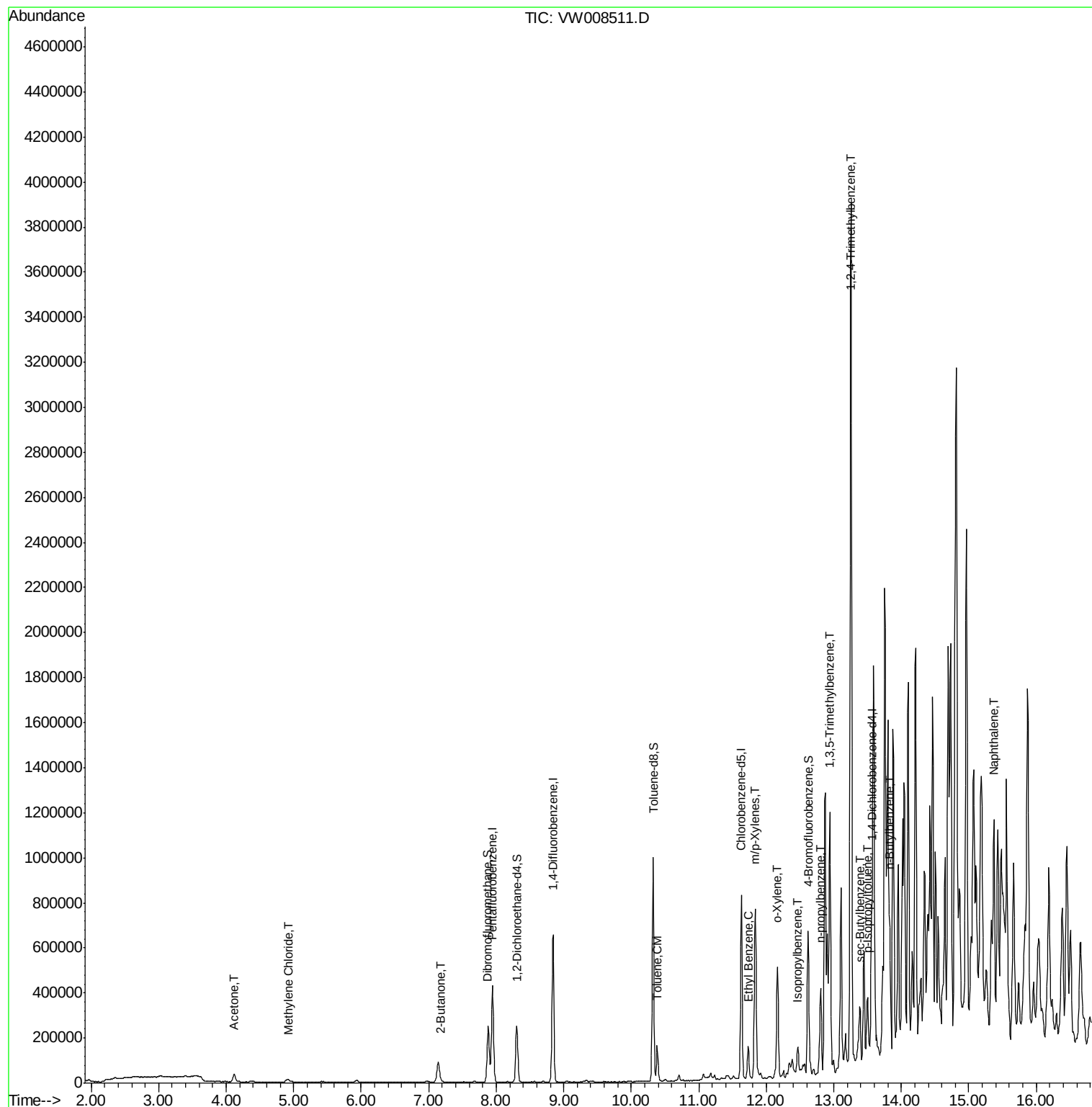
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	57694	78.779	ug/l	94
20) Methylene Chloride	4.92	84	10287	3.048	ug/l #	77
25) 2-Butanone	7.18	43	11212	11.022	ug/l	90
52) Toluene	10.39	92	69481	7.316	ug/l	99
67) Ethyl Benzene	11.73	91	94835	5.598	ug/l	98
68) m/p-Xylenes	11.83	106	203747	30.999	ug/l	99
69) o-Xylene	12.16	106	131837	21.111	ug/l	97
73) Isopropylbenzene	12.47	105	77269	6.246	ug/l	99
78) n-propylbenzene	12.80	91	286232	19.263	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	450826	43.598	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	2011272	191.361	ug/l	100
85) sec-Butylbenzene	13.39	105	148579	11.306	ug/l	81
86) p-Isopropyltoluene	13.50	119	126241	10.967	ug/l	98
89) n-Butylbenzene	13.83	91	305866	27.062	ug/l #	81
95) Naphthalene	15.37	128	664211	109.794	ug/l	98

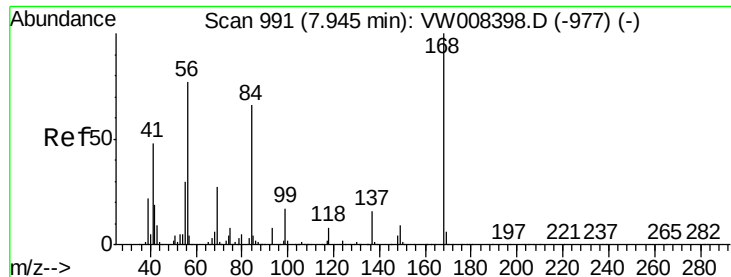
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008511.D

Acq: 04 Feb 2019 19:29

Instrument :

MSVOA_W

ClientSampleId :

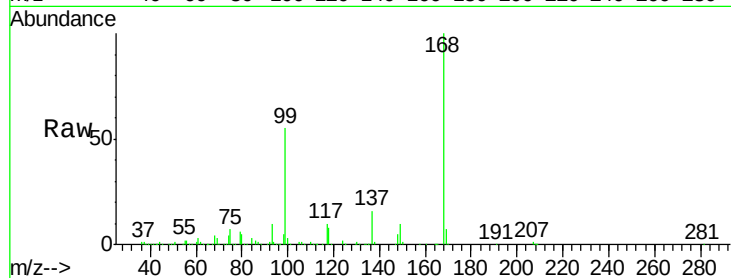
HR-05-020419-B

Tot Ion:168 Resp: 331961

Ion Ratio Lower Upper

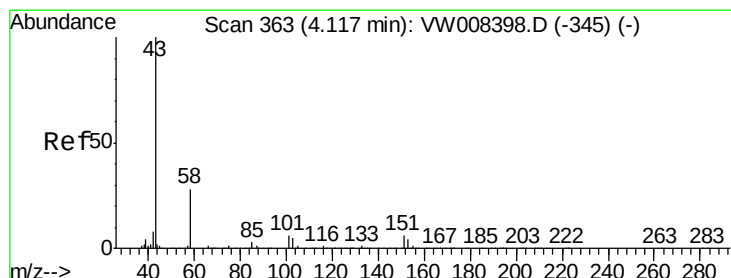
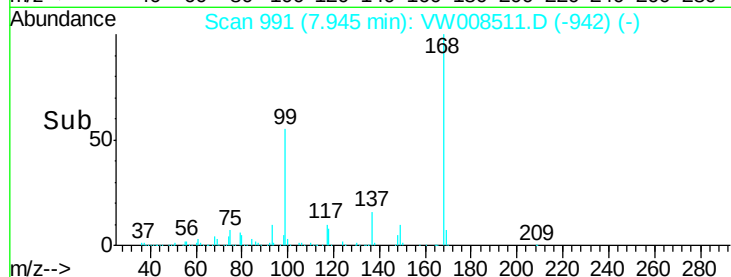
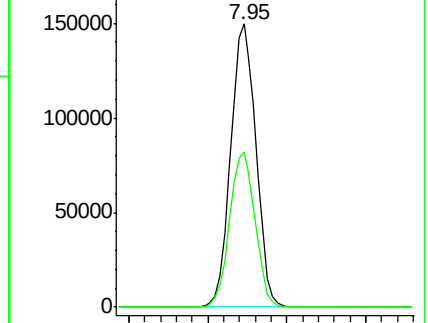
168 100

99 55.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 78.779 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008511.D

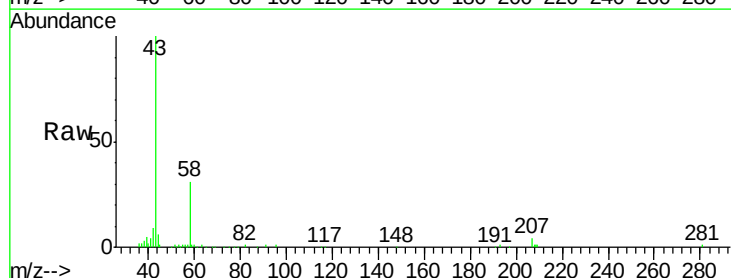
Acq: 04 Feb 2019 19:29

Tgt Ion: 43 Resp: 57694

Ion Ratio Lower Upper

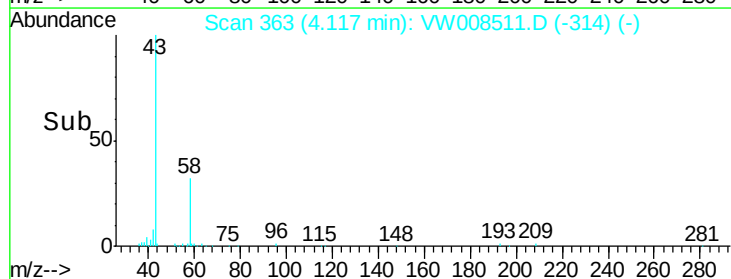
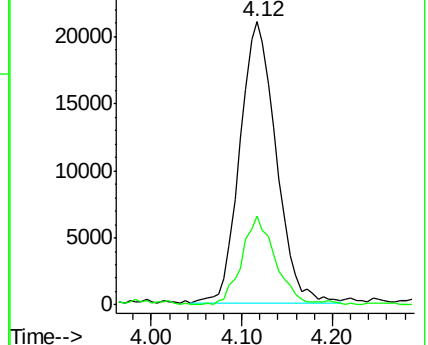
43 100

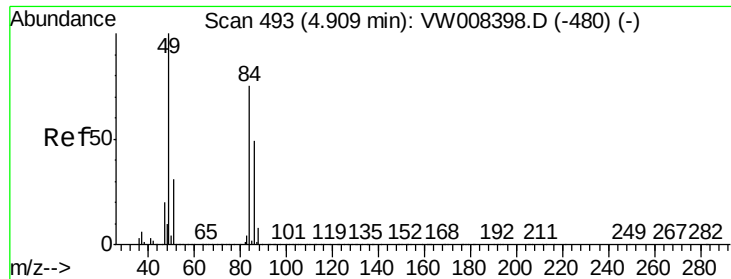
58 31.7 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

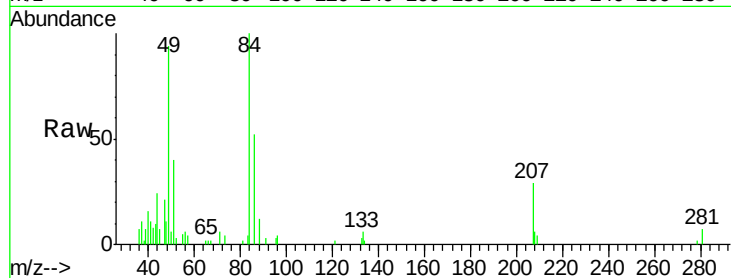




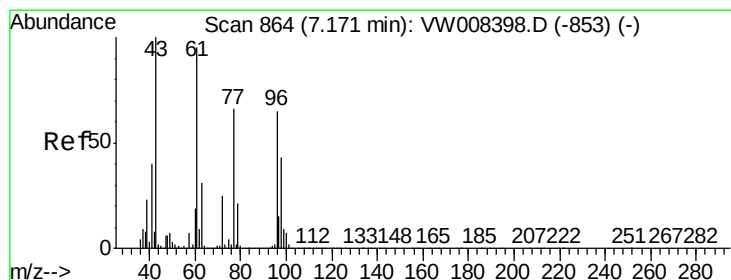
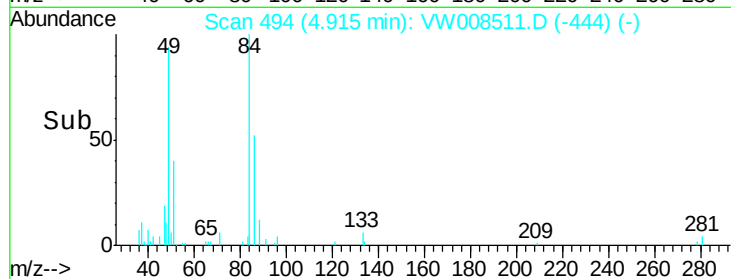
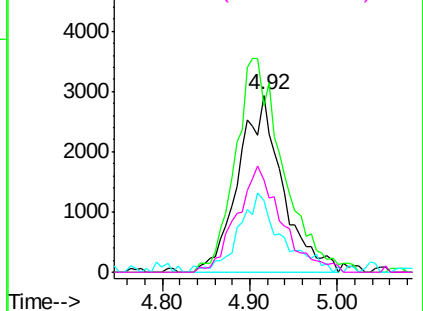
#20
Methylene Chloride
Concen: 3.048 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008511.D
Acq: 04 Feb 2019 19:29

Instrument :
MSVOA_W
ClientSampled :
HR-05-020419-B

Tot Ion: 84 Resp: 10287
Ion Ratio Lower Upper
84 100
49 94.4 106.8 160.2#
51 40.5 32.9 49.3
86 52.2 52.2 78.2

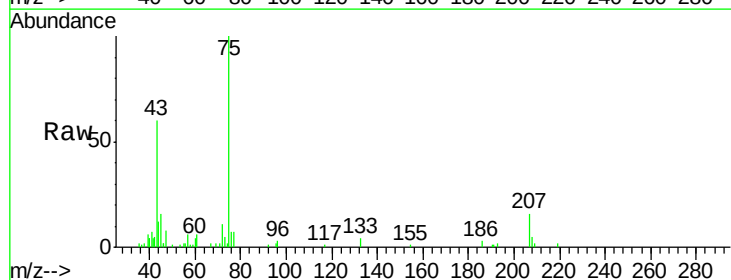


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

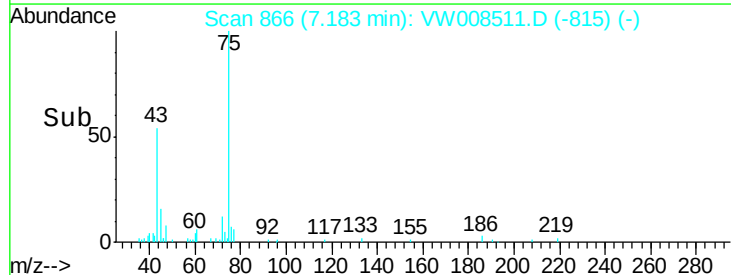
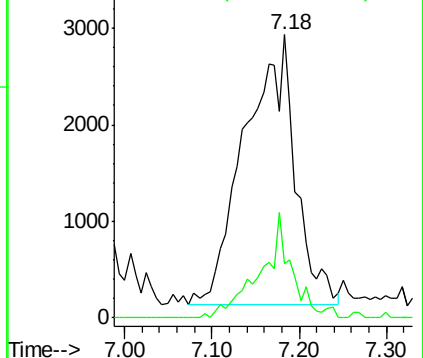


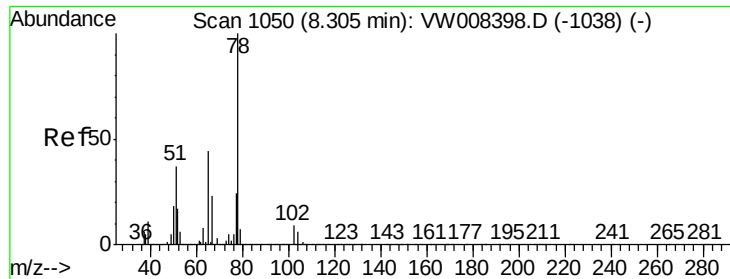
#25
2-Butanone
Concen: 11.022 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008511.D
Acq: 04 Feb 2019 19:29

Tgt Ion: 43 Resp: 11212
Ion Ratio Lower Upper
43 100
72 20.1 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

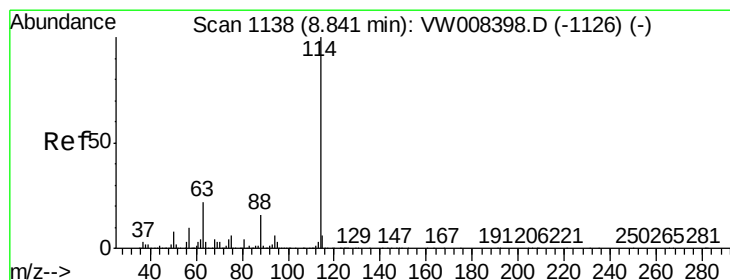
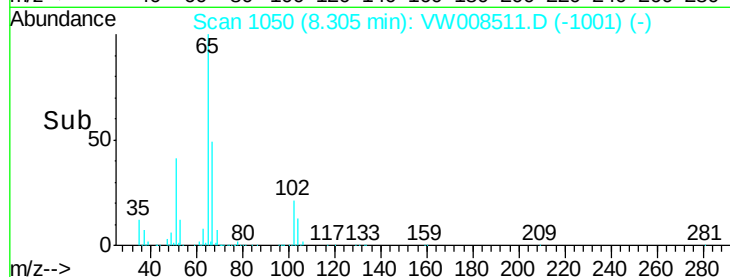
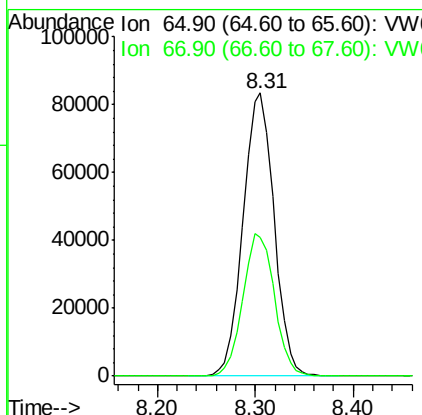
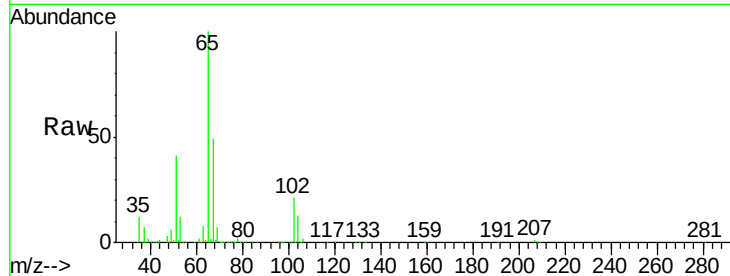




#33
 1,2-Dichloroethane-d4
 Concen: 56.185 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008511.D
 Acq: 04 Feb 2019 19:29

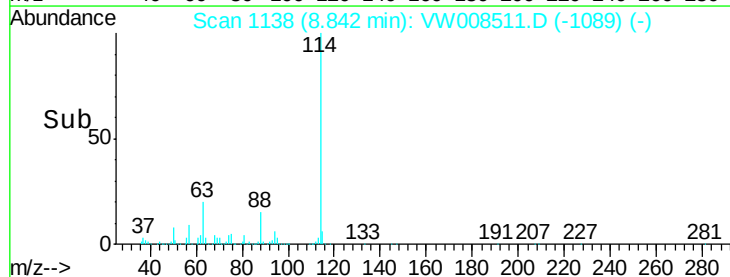
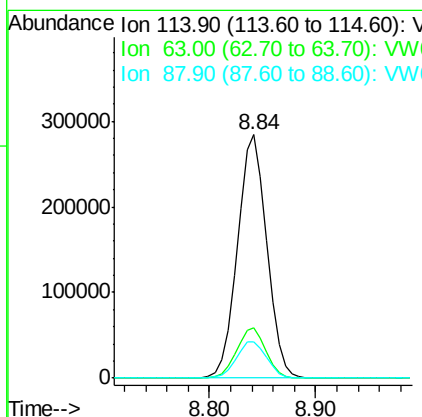
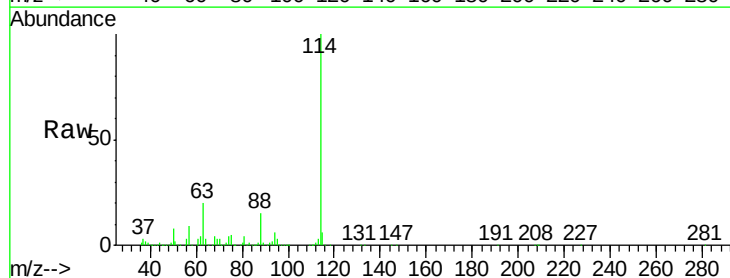
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-020419-B

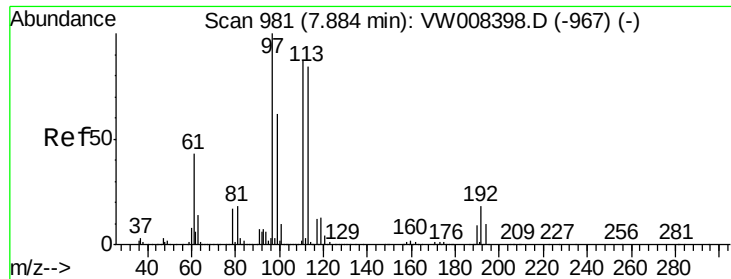
Tot Ion: 65 Resp: 183230
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008511.D
 Acq: 04 Feb 2019 19:29

Tgt Ion: 114 Resp: 548873
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.6
 88 14.9 0.0 31.8

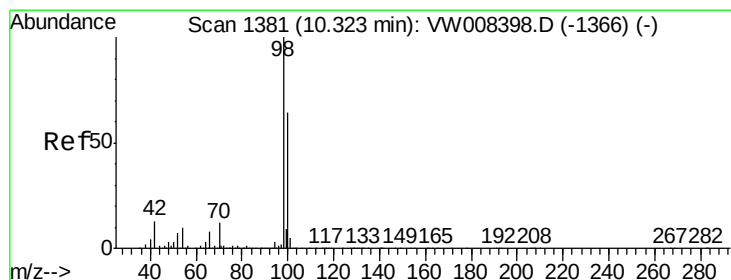
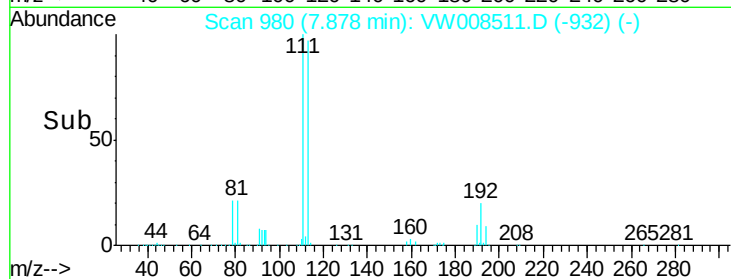
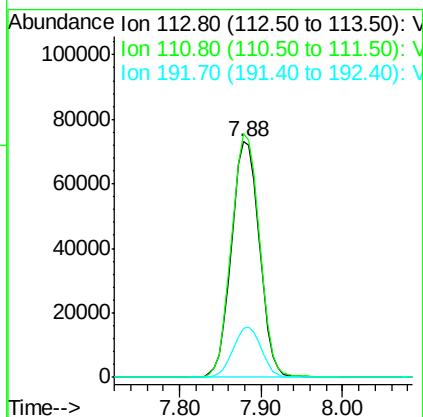
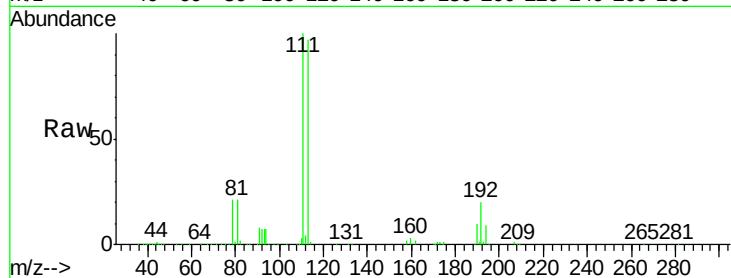




#35
 Dibromofluoromethane
 Concen: 53.965 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008511.D
 Acq: 04 Feb 2019 19:29

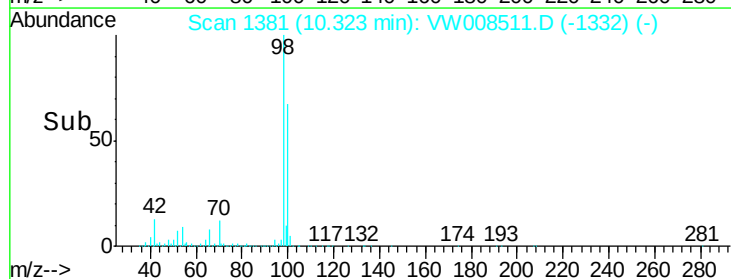
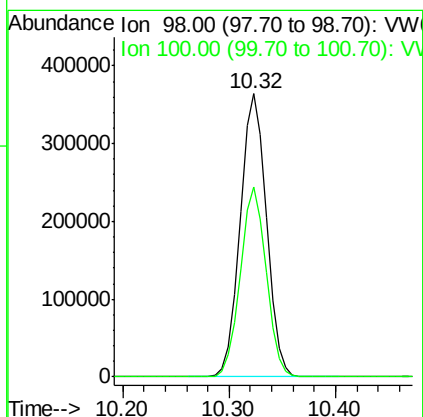
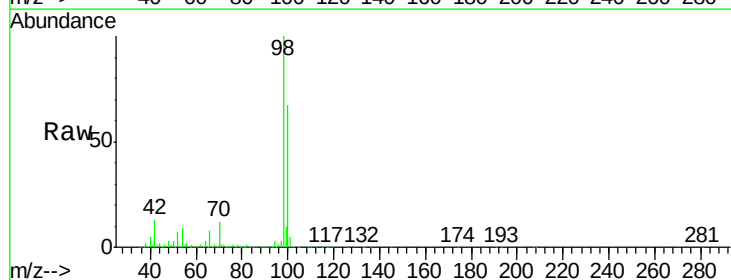
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-020419-B

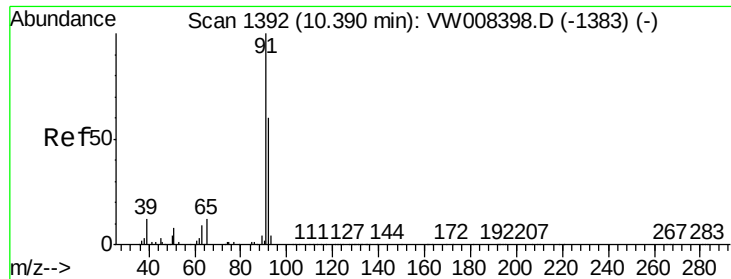
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.4
192	21.5	16.8	25.2



#50
 Toluene-d8
 Concen: 49.091 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW008511.D
 Acq: 04 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.6	78.8





#52

Toluene

Concen: 7.316 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008511.D

Acq: 04 Feb 2019 19:29

Instrument :

MSVOA_W

ClientSampleId :

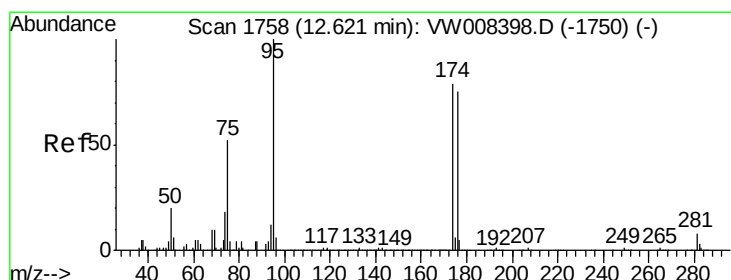
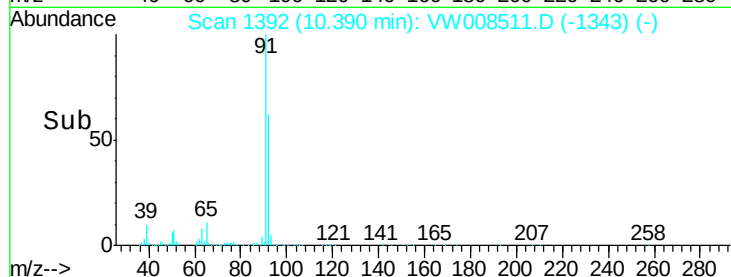
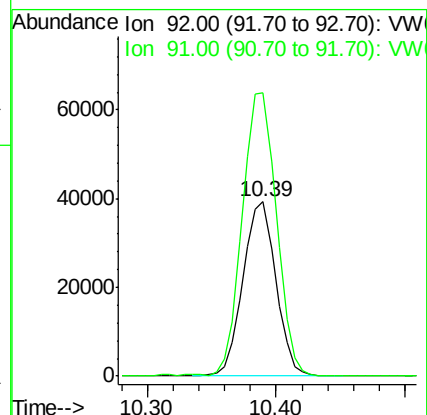
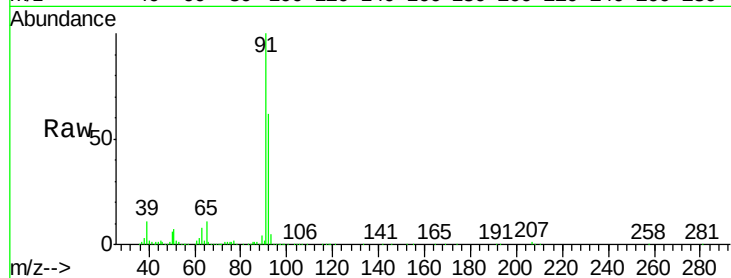
HR-05-020419-B

Tot Ion: 92 Resp: 69481

Ion Ratio Lower Upper

92 100

91 168.7 135.5 203.3



#62

4-Bromofluorobenzene

Concen: 39.826 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008511.D

Acq: 04 Feb 2019 19:29

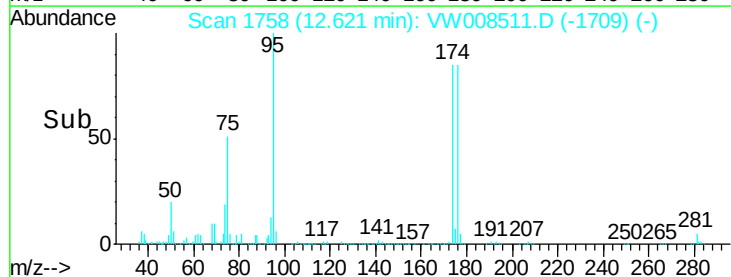
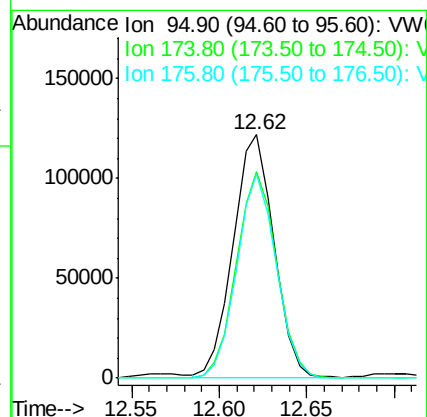
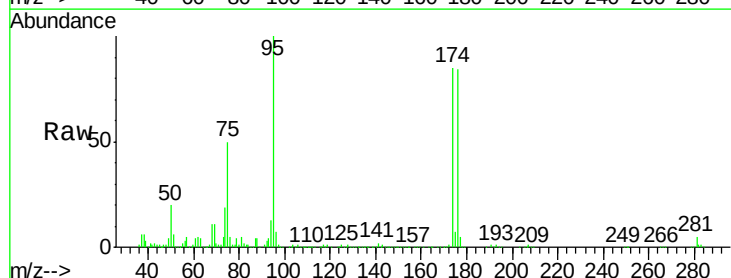
Tgt Ion: 95 Resp: 197020

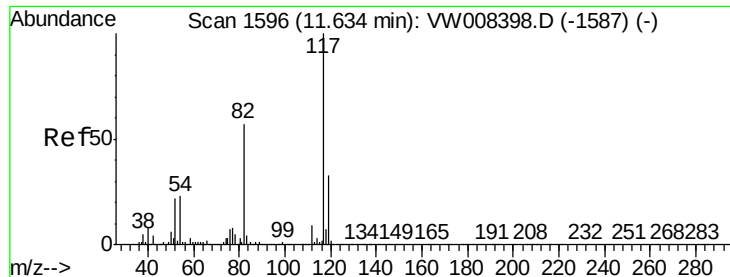
Ion Ratio Lower Upper

95 100

174 84.1 0.0 157.6

176 81.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008511.D

Acq: 04 Feb 2019 19:29

Instrument :

MSVOA_W

ClientSampled :

HR-05-020419-B

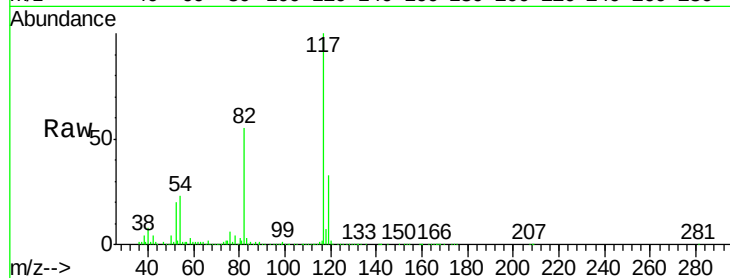
Tot Ion:117 Resp: 451457

Ion Ratio Lower Upper

117 100

82 55.1 45.4 68.0

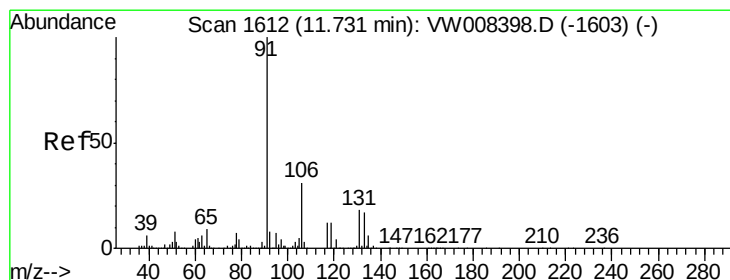
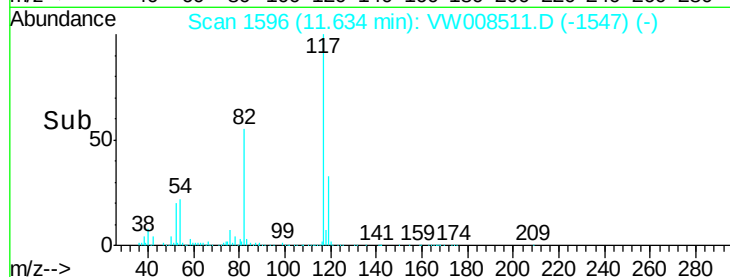
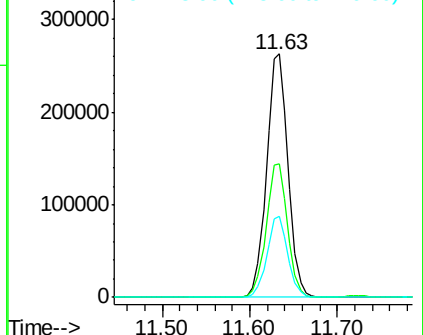
119 33.2 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 5.598 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008511.D

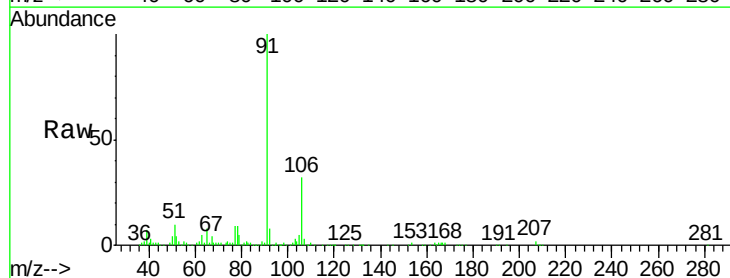
Acq: 04 Feb 2019 19:29

Tgt Ion: 91 Resp: 94835

Ion Ratio Lower Upper

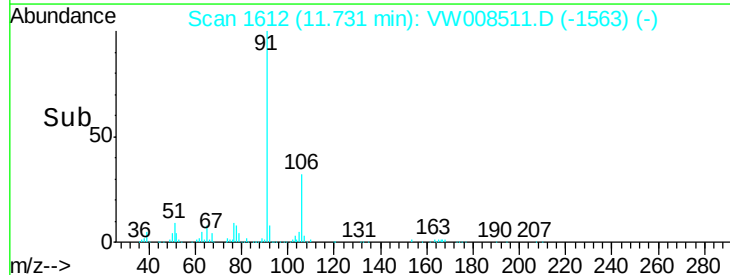
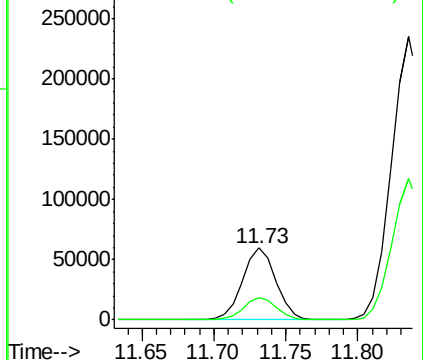
91 100

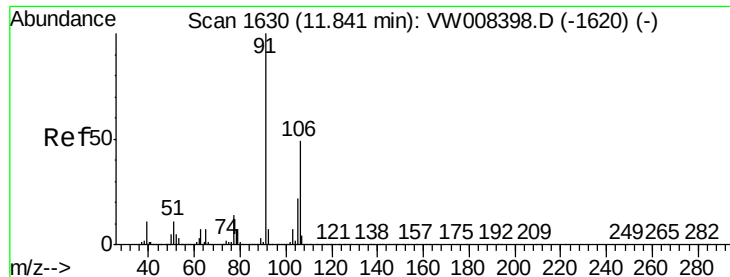
106 31.7 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

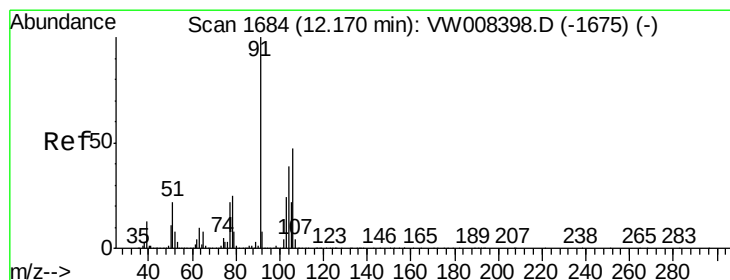
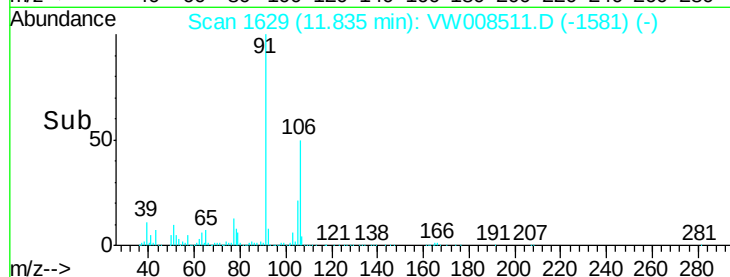
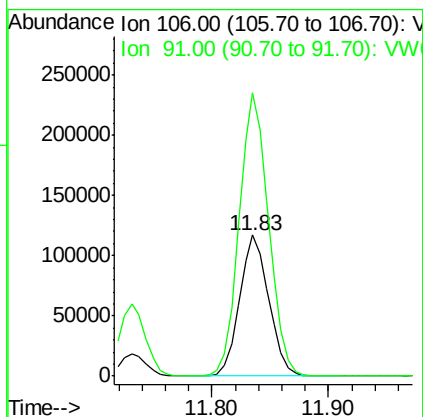
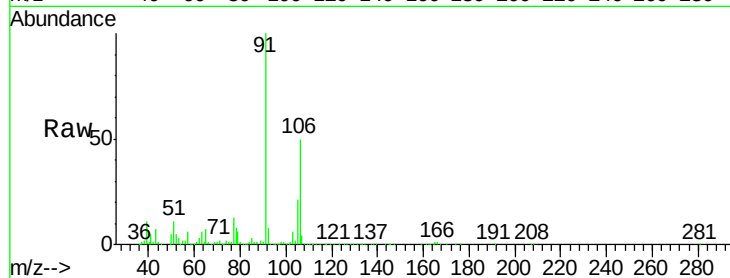




#68
m/p-Xylenes
Concen: 30.999 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008511.D
Acq: 04 Feb 2019 19:29

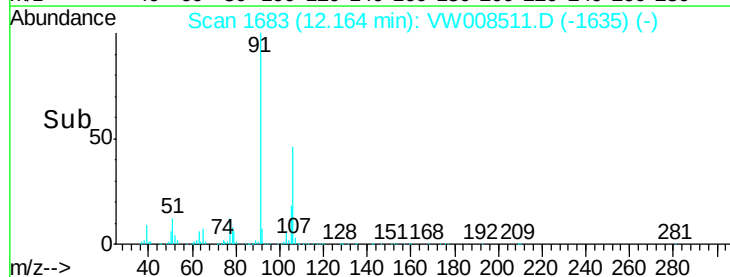
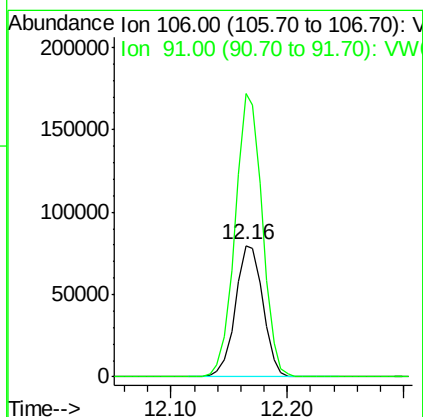
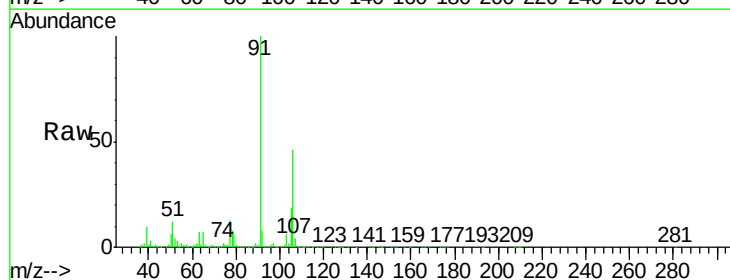
Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-B

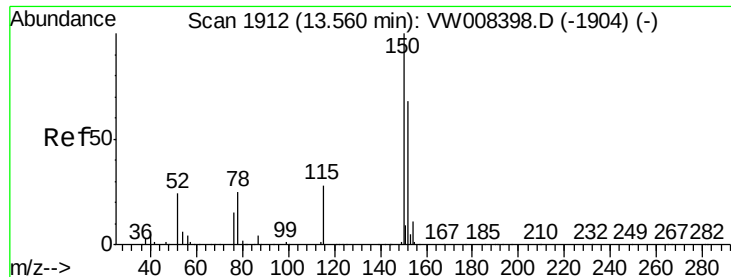
Tot Ion:106 Resp: 203747
Ion Ratio Lower Upper
106 100
91 202.0 162.9 244.3



#69
o-Xylene
Concen: 21.111 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008511.D
Acq: 04 Feb 2019 19:29

Tgt Ion:106 Resp: 131837
Ion Ratio Lower Upper
106 100
91 210.5 107.5 322.4



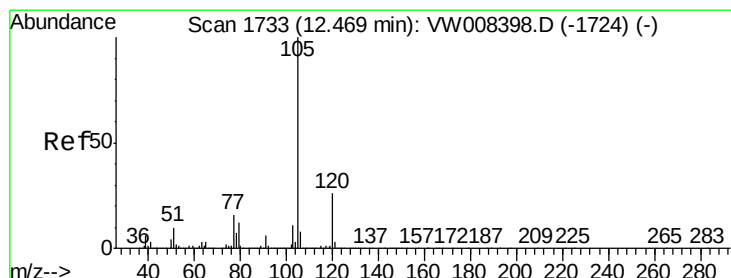
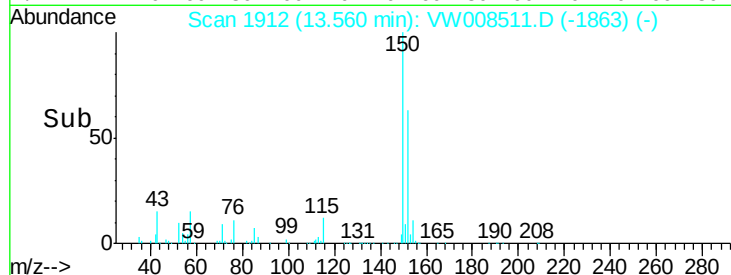
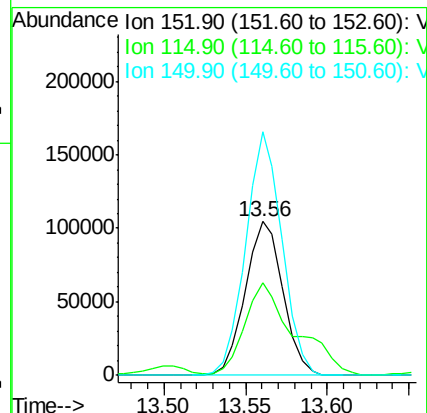
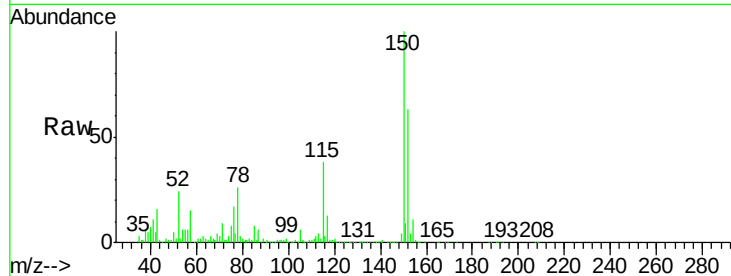


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008511.D
Acq: 04 Feb 2019 19:29

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

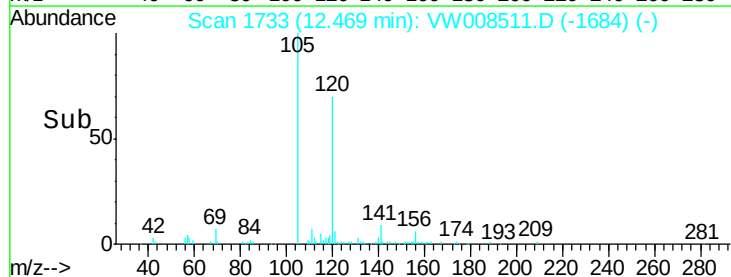
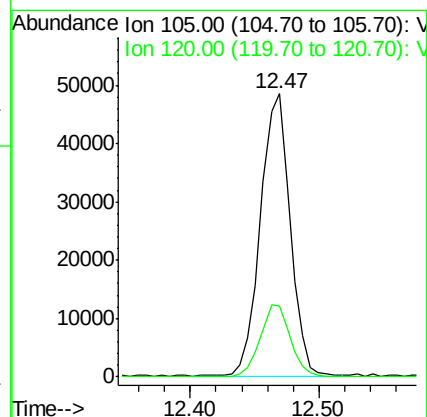
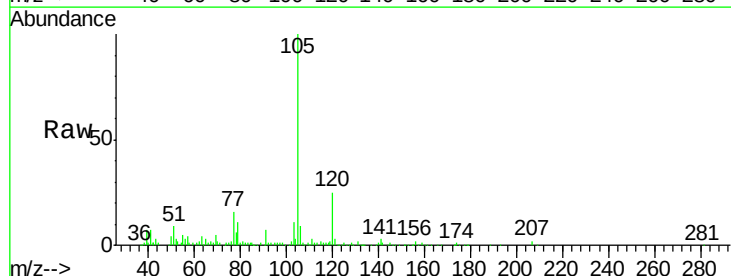
Tot Ion	Ratio	Lower	Upper
152	100		
115	80.4	29.9	89.7
150	154.6	0.0	351.4

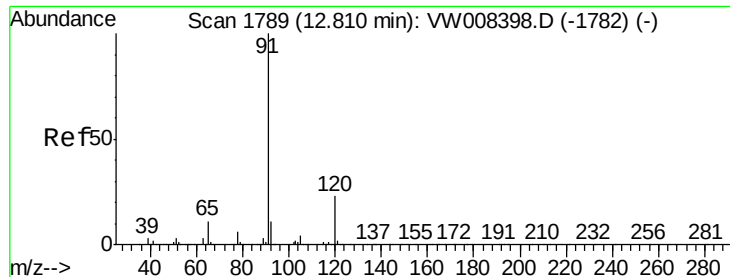


#73

Isopropylbenzene
Concen: 6.246 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008511.D
Acq: 04 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8





#78

n-propylbenzene

Concen: 19.263 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008511.D

Acq: 04 Feb 2019 19:29

Instrument :

MSVOA_W

ClientSampleId :

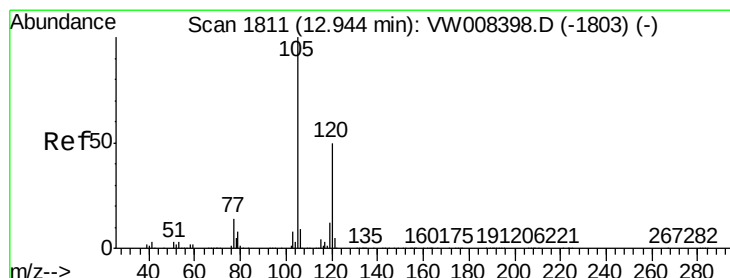
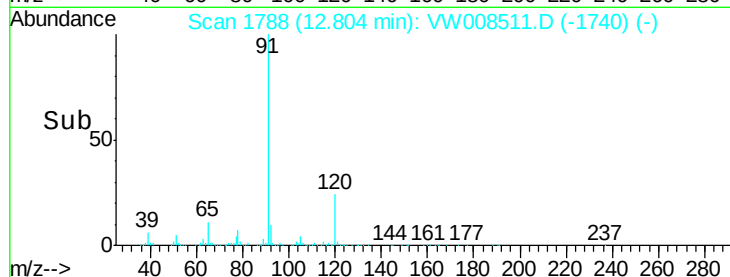
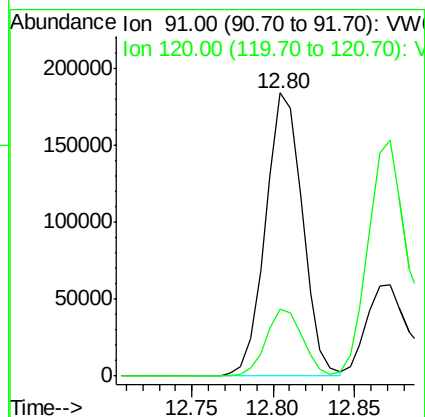
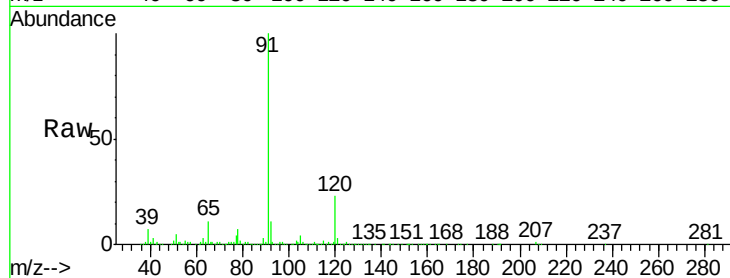
HR-05-020419-B

Tot Ion: 91 Resp: 286232

Ion Ratio Lower Upper

91 100

120 23.5 11.4 34.1



#80

1,3,5-Trimethylbenzene

Concen: 43.598 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008511.D

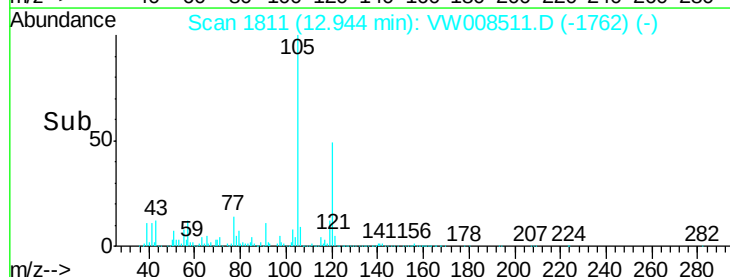
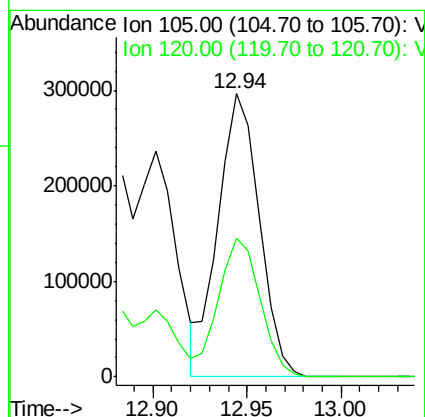
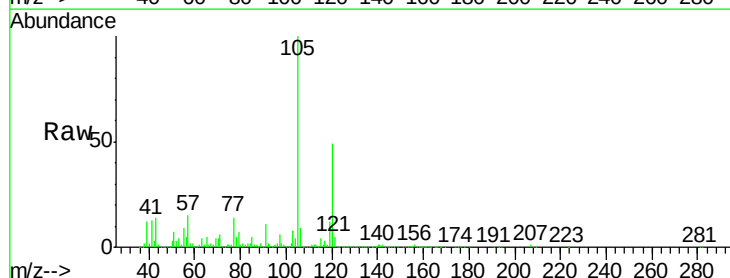
Acq: 04 Feb 2019 19:29

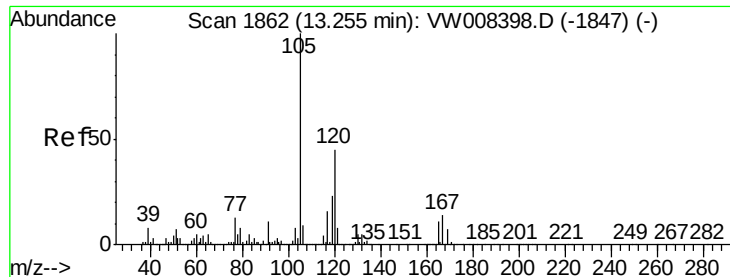
Tgt Ion: 105 Resp: 450826

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.8

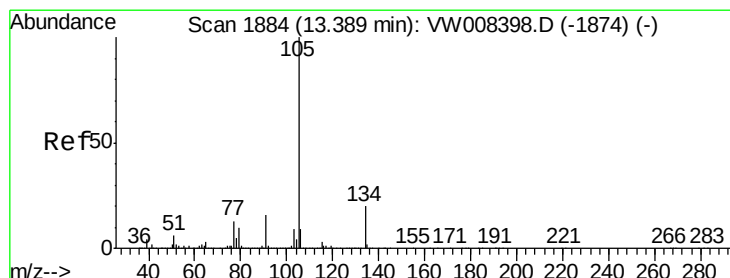
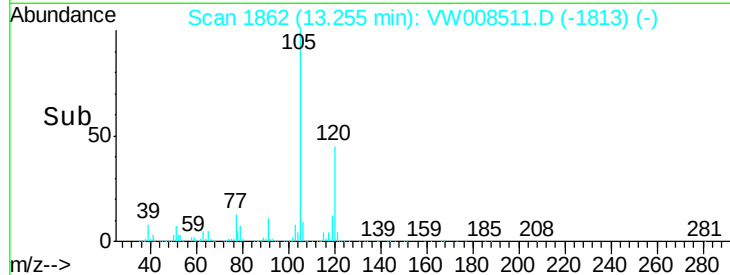
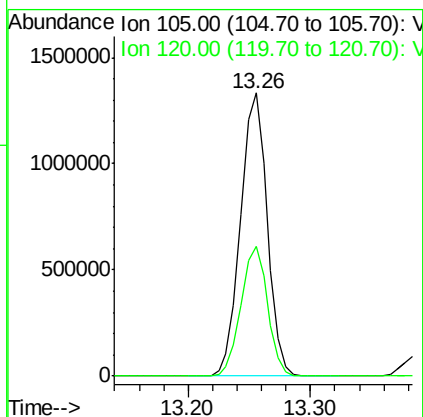
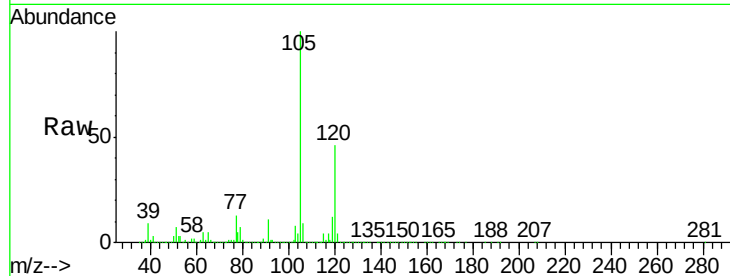




#84
 1,2,4-Trimethylbenzene
 Concen: 191.361 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008511.D
 Acq: 04 Feb 2019 19:29

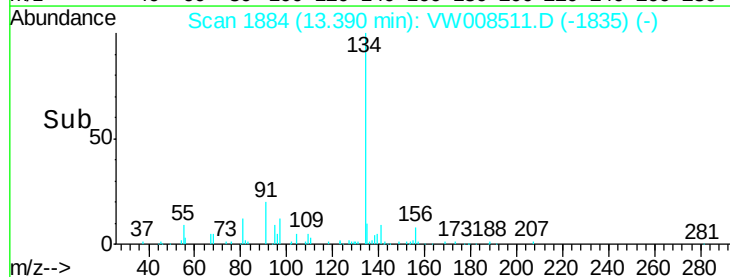
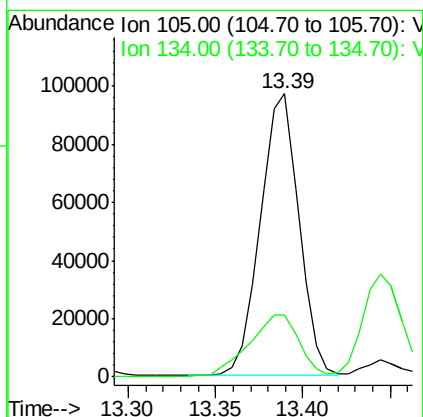
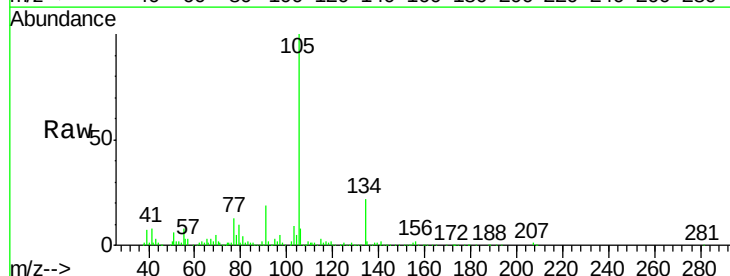
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-020419-B

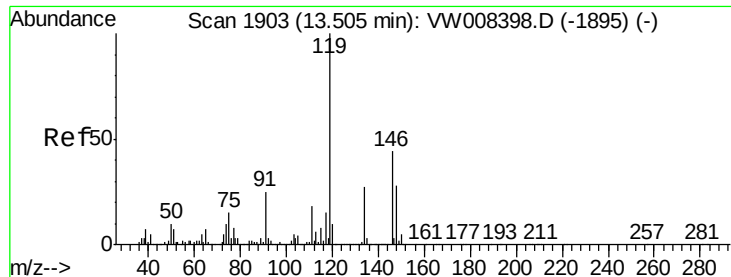
Tot Ion:105 Resp: 2011272
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 11.306 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008511.D
 Acq: 04 Feb 2019 19:29

Tgt Ion:105 Resp: 148579
 Ion Ratio Lower Upper
 105 100
 134 29.1 10.2 30.6

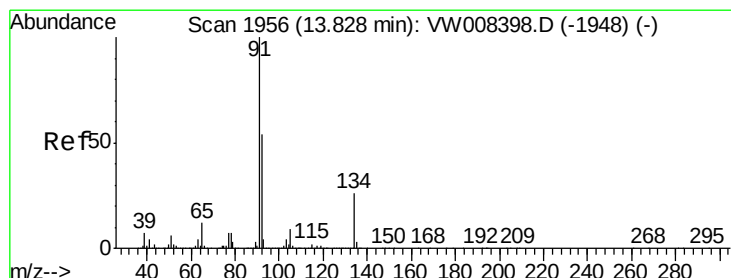
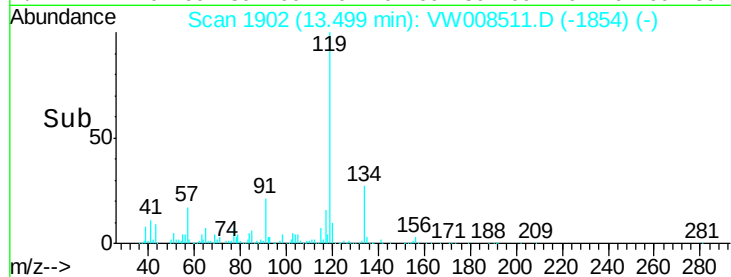
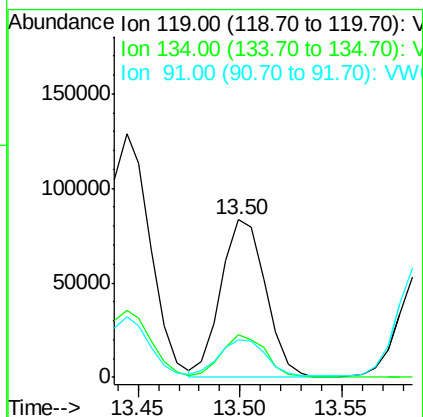
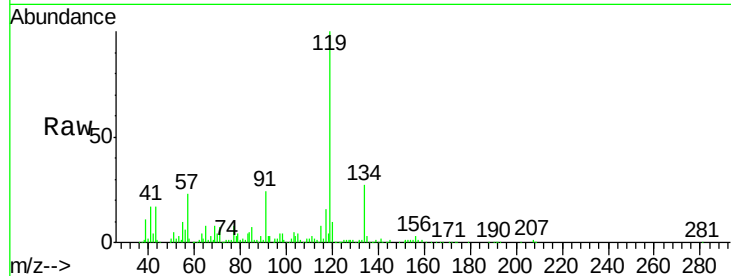




#86
 p-Isopropyltoluene
 Concen: 10.967 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008511.D
 Acq: 04 Feb 2019 19:29

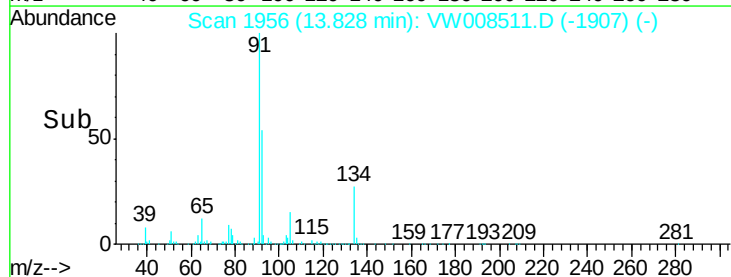
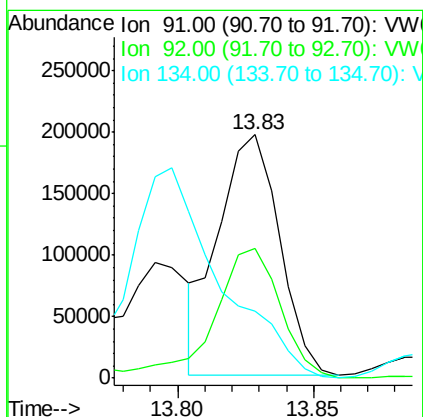
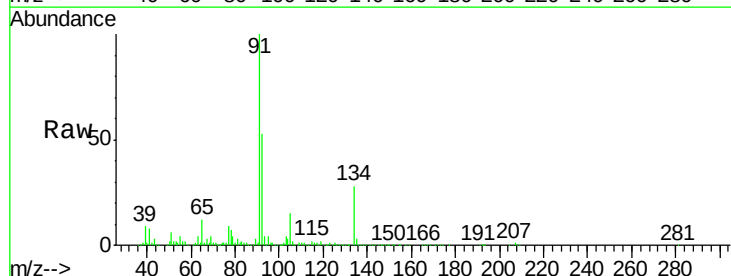
Instrument :
 MSVOA_W
 ClientSampled :
 HR-05-020419-B

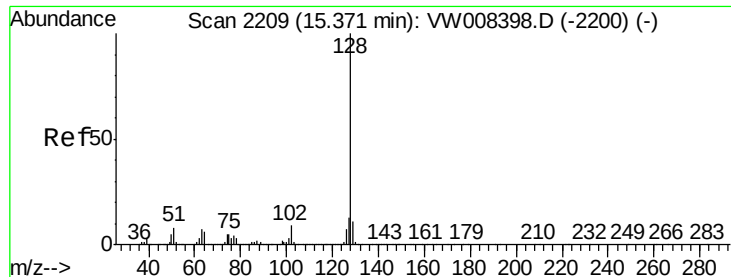
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	23.6	12.6	37.6



#89
 n-Butylbenzene
 Concen: 27.062 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW008511.D
 Acq: 04 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	27.4	82.2
134	0.0	13.0	39.0

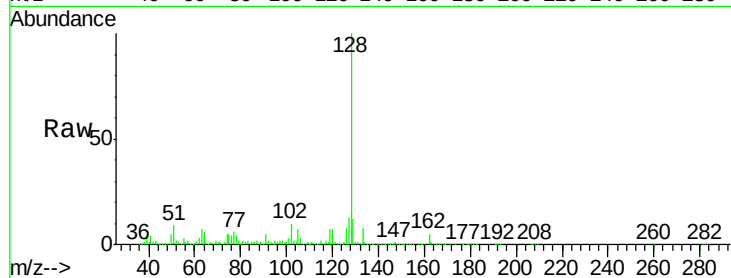




#95
Naphthalene
Concen: 109.794 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008511.D
Acq: 04 Feb 2019 19:29

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	11.8	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

