

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008980.D
 Acq On : 05 Mar 2019 00:37
 Operator : SY/VA
 Sample : K1688-15
 Misc : 8.99G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-H

Quant Time: Mar 05 07:36:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	332509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	519146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	436407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156634	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	184095	59.03	ug/l	0.00
Spiked Amount			Recovery	=	118.06%	
35) Dibromofluoromethane	7.88	113	160668	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
50) Toluene-d8	10.32	98	611146	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.62	95	187358	39.77	ug/l	0.00
Spiked Amount			Recovery	=	79.54%	

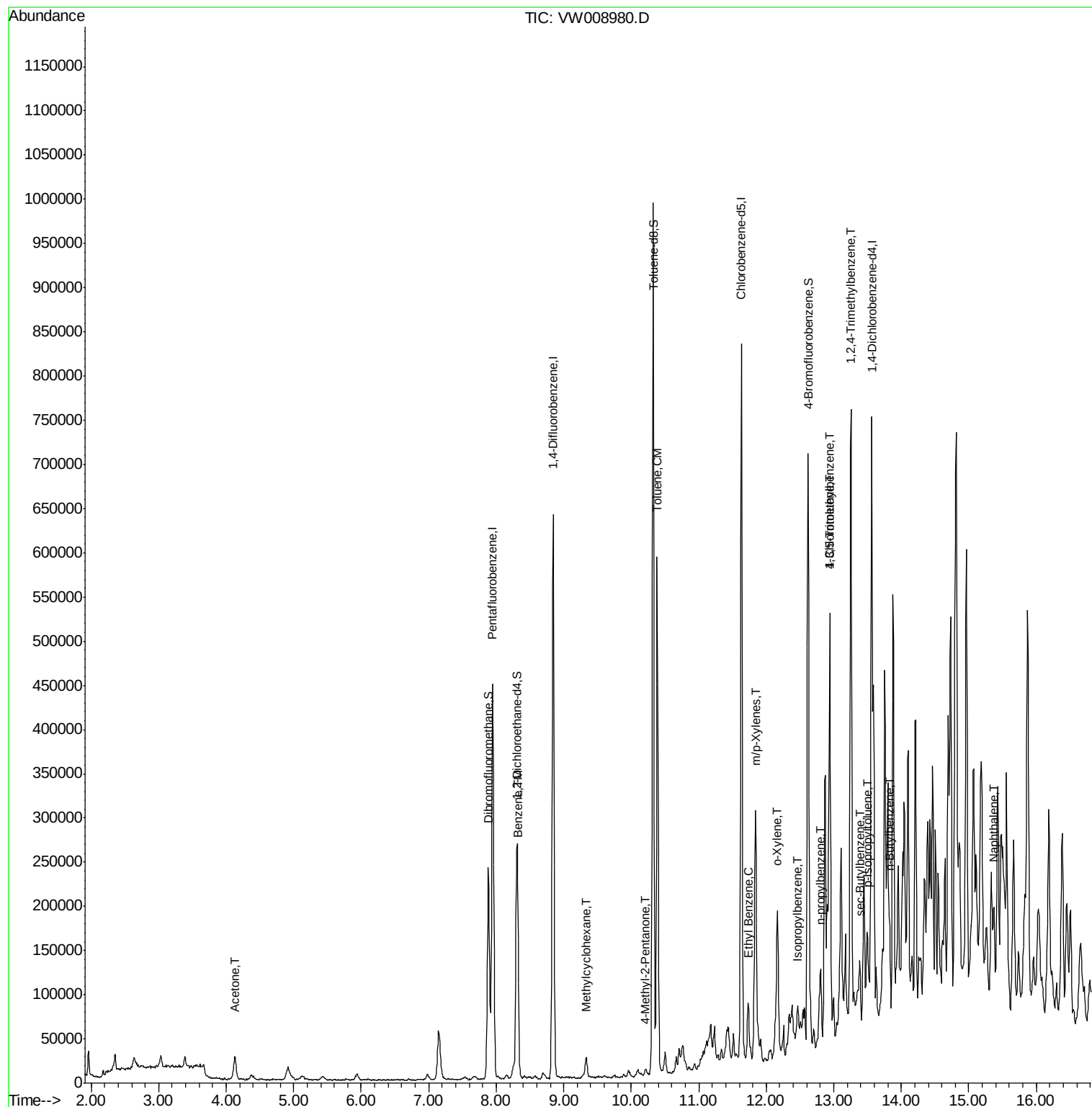
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	45312	62.683	ug/l	100
39) Methylcyclohexane	9.34	83	8743	1.387	ug/l	93
40) Benzene	8.32	78	48444	3.511	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	4752	1.996	ug/l	89
52) Toluene	10.38	92	245190	26.184	ug/l	100
67) Ethyl Benzene	11.73	91	42589	2.596	ug/l	97
68) m/p-Xylenes	11.83	106	59081	9.014	ug/l	99
69) o-Xylene	12.16	106	38759	6.300	ug/l	96
73) Isopropylbenzene	12.47	105	21319	1.985	ug/l	98
78) n-propylbenzene	12.80	91	61885	4.711	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	114342	12.253	ug/l	100
82) 4-Chlorotoluene	12.94	91	13935	1.773	ug/l #	50
84) 1,2,4-Trimethylbenzene	13.26	105	374942	38.816	ug/l	98
85) sec-Butylbenzene	13.38	105	34964	3.014	ug/l	85
86) p-Isopropyltoluene	13.50	119	30879	2.903	ug/l	98
89) n-Butylbenzene	13.83	91	48951	4.913	ug/l #	76
95) Naphthalene	15.37	128	60054	10.436	ug/l #	94

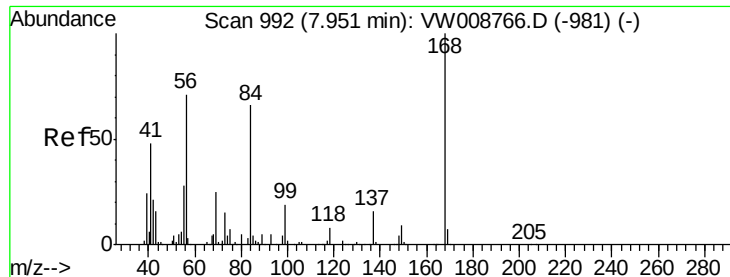
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008980.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

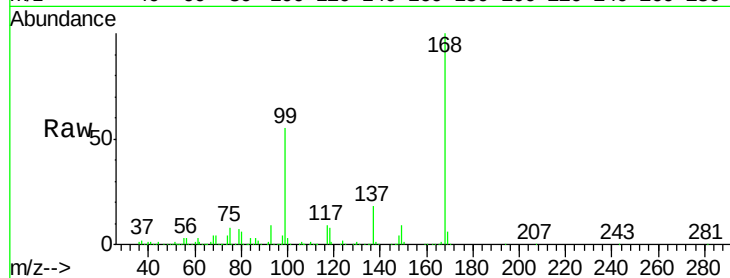
JC-03-030119-H

Tot Ion:168 Resp: 332509

Ion Ratio Lower Upper

168 100

99 55.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

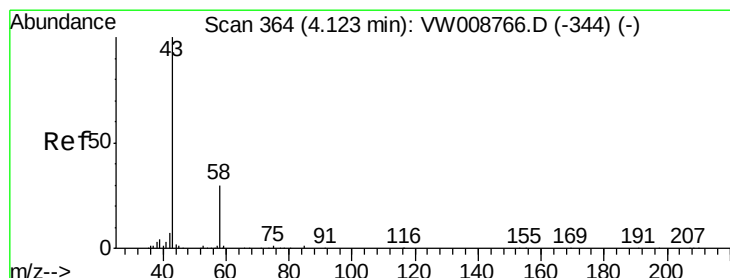
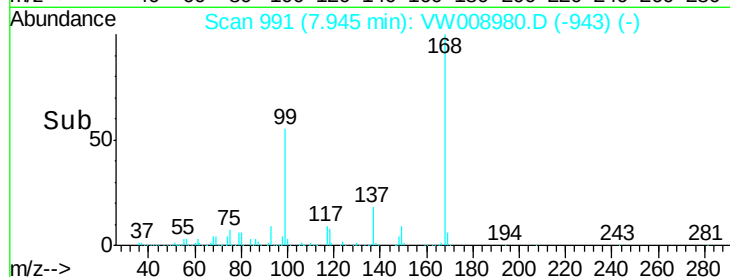
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 62.683 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008980.D

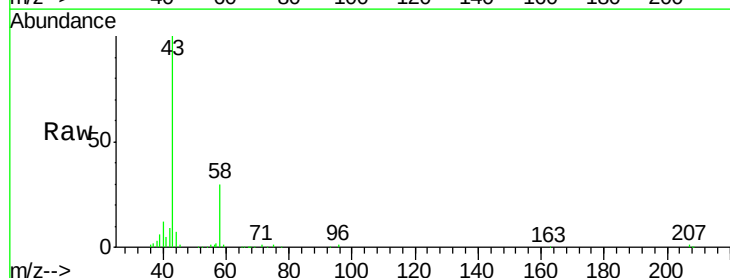
Acq: 05 Mar 2019 00:37

Tgt Ion: 43 Resp: 45312

Ion Ratio Lower Upper

43 100

58 29.7 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

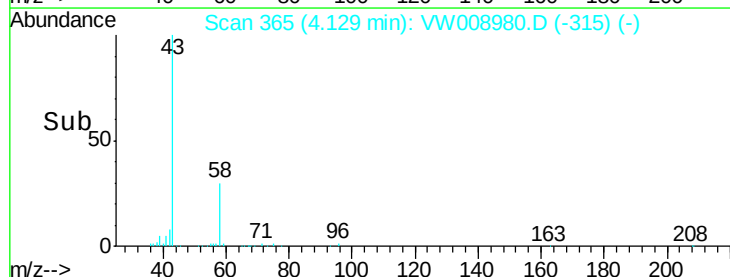
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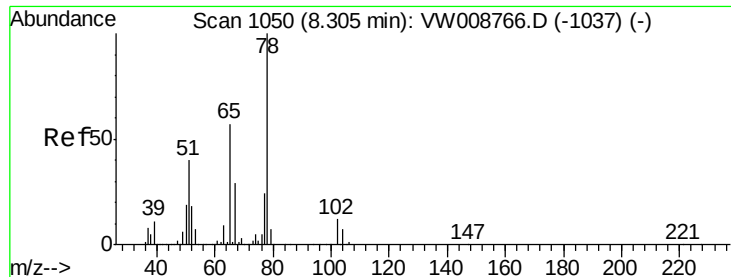
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Time-->

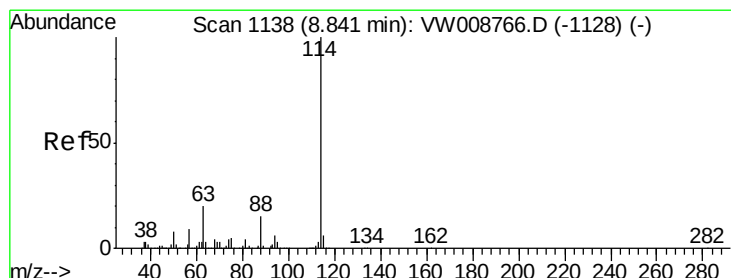
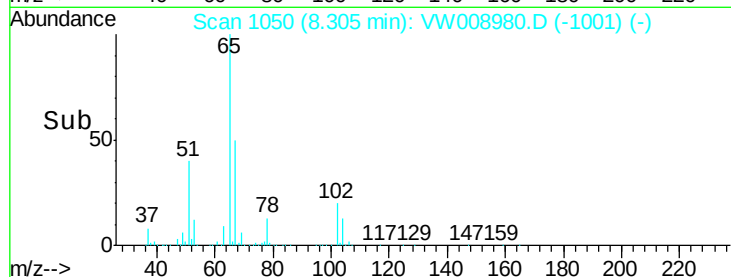
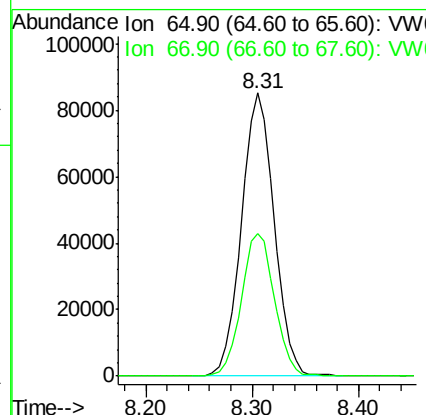
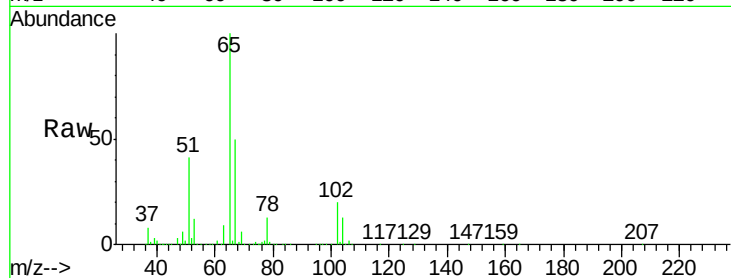




#33
 1,2-Dichloroethane-d4
 Concen: 59.031 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008980.D
 Acq: 05 Mar 2019 00:37

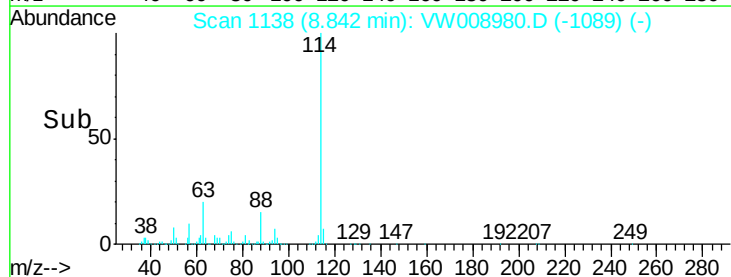
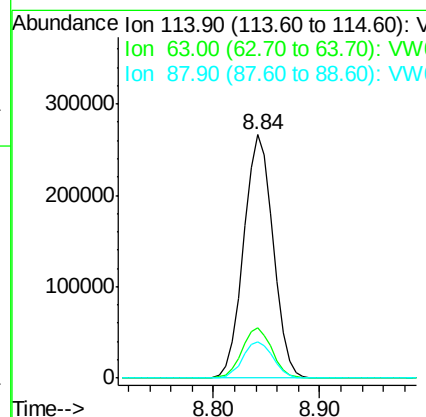
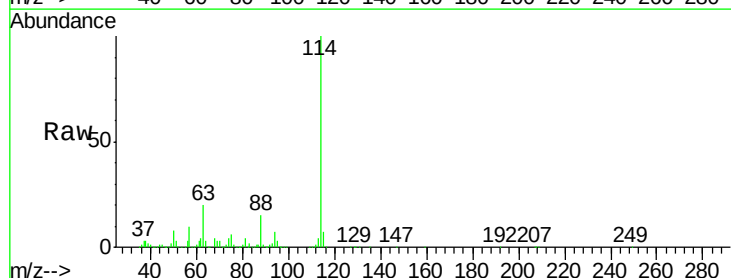
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-H

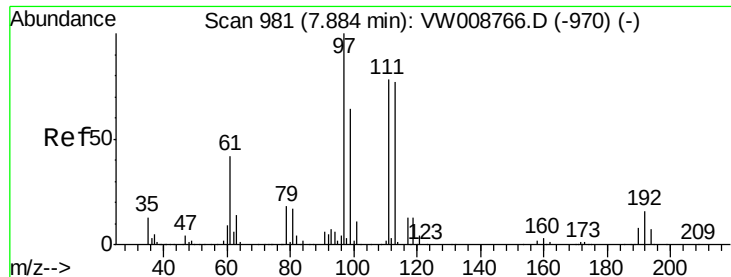
Tot Ion: 65 Resp: 184095
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008980.D
 Acq: 05 Mar 2019 00:37

Tgt Ion: 114 Resp: 519146
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 14.9 0.0 30.4

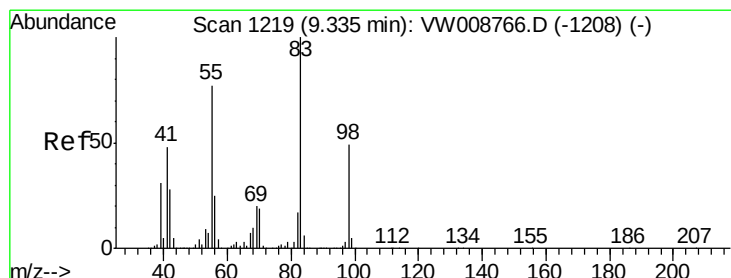
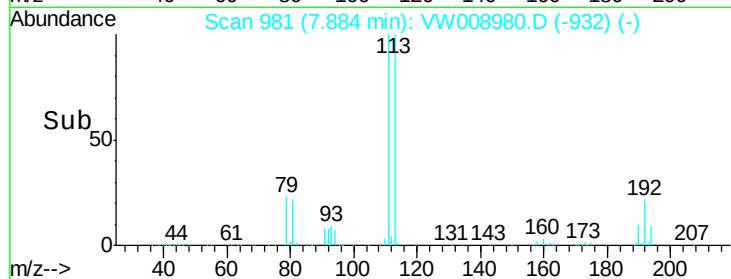
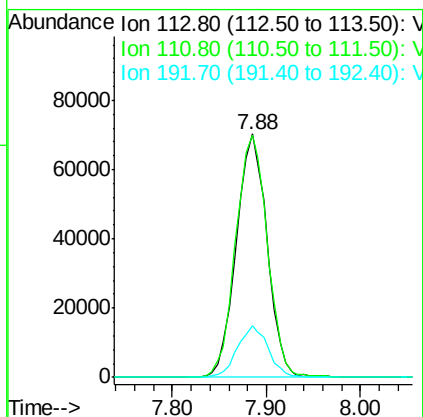
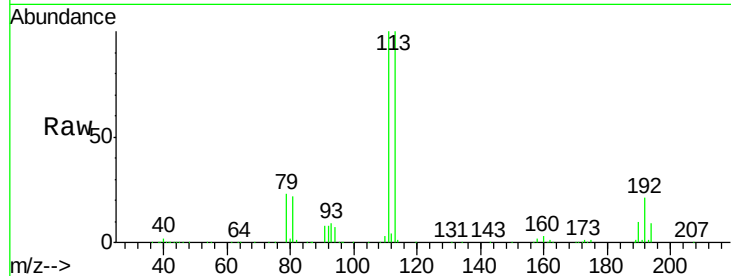




#35
 Dibromofluoromethane
 Concen: 51.546 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008980.D
 Acq: 05 Mar 2019 00:37

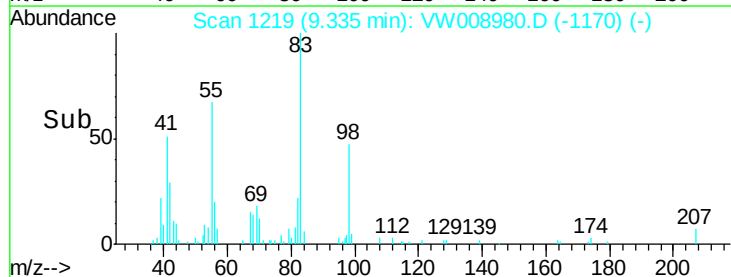
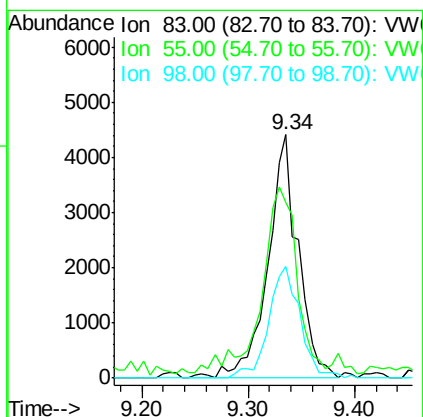
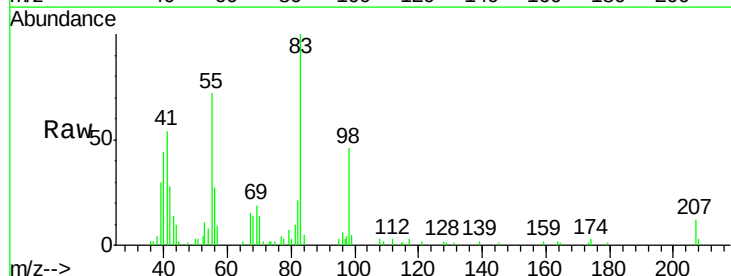
Instrument :
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 ClientSampleId :
 JC-03-030119-H

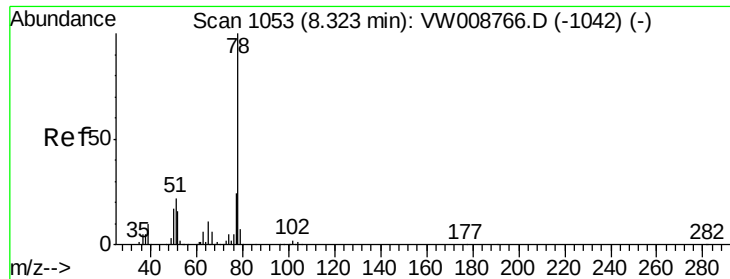
Tot Ion:113 Resp: 160668
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.9 122.9
 192 21.1 17.1 25.7



#39
 Methylcyclohexane
 Concen: 1.387 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW008980.D
 Acq: 05 Mar 2019 00:37

Tgt Ion: 83 Resp: 8743
 Ion Ratio Lower Upper
 83 100
 55 69.6 61.2 91.8
 98 45.9 39.4 59.2





#40

Benzene

Concen: 3.511 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008980.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

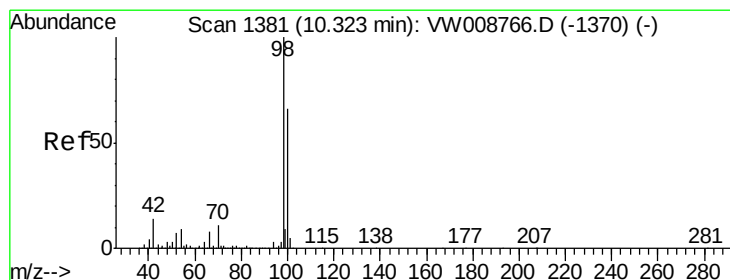
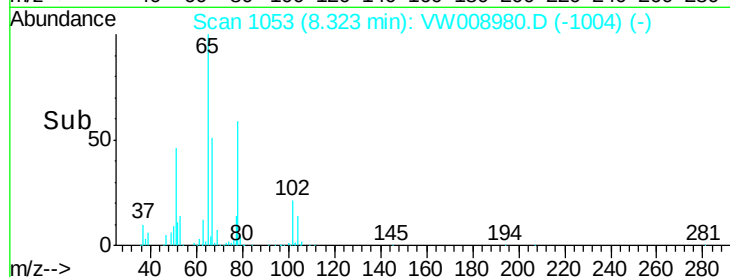
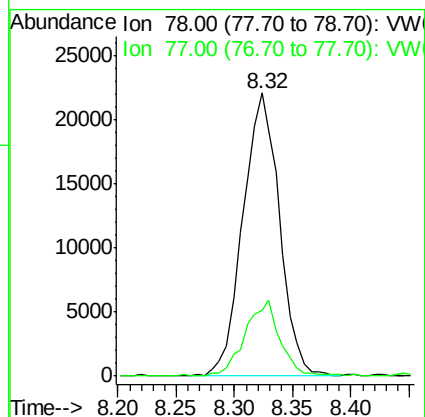
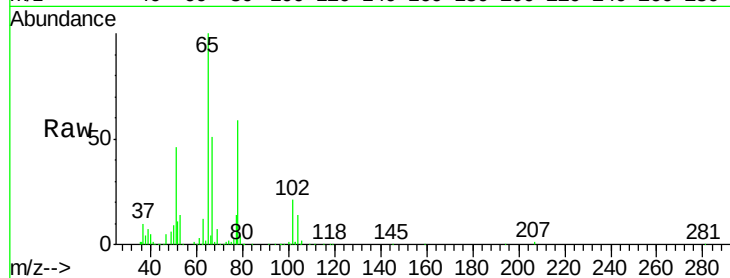
JC-03-030119-H

Tot Ion: 78 Resp: 48444

Ion Ratio Lower Upper

78 100

77 23.3 19.3 28.9



#50

Toluene-d8

Concen: 50.791 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008980.D

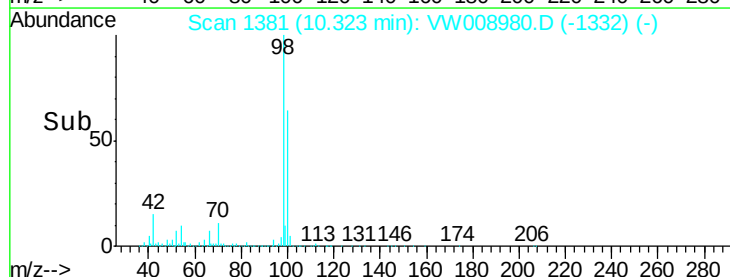
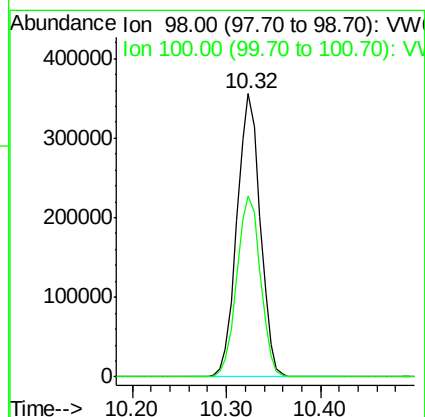
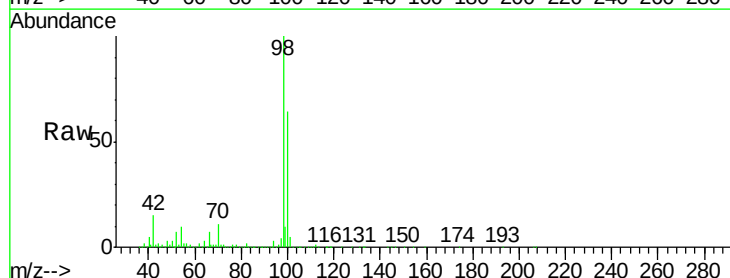
Acq: 05 Mar 2019 00:37

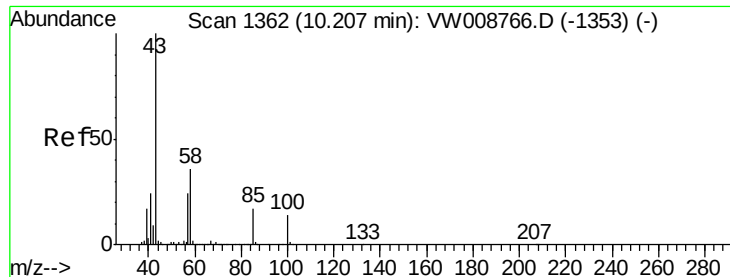
Tgt Ion: 98 Resp: 611146

Ion Ratio Lower Upper

98 100

100 64.8 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.996 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008980.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

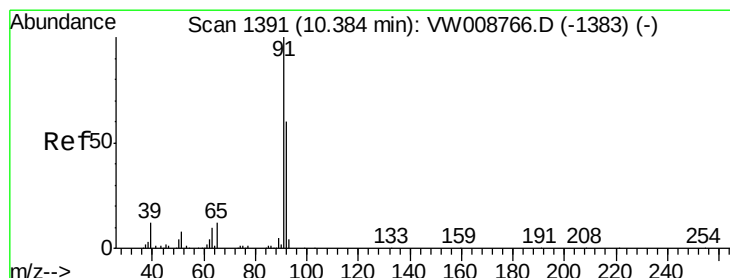
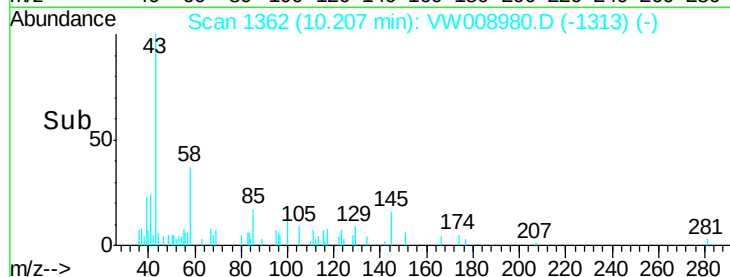
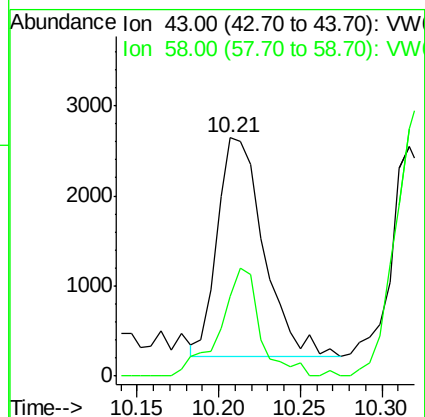
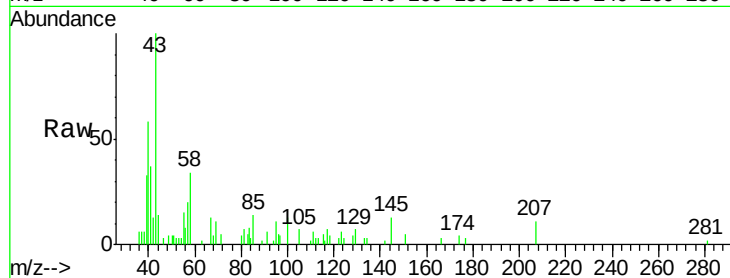
JC-03-030119-H

Tot Ion: 43 Resp: 4752

Ion Ratio Lower Upper

43 100

58 43.0 29.1 43.7



#52

Toluene

Concen: 26.184 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008980.D

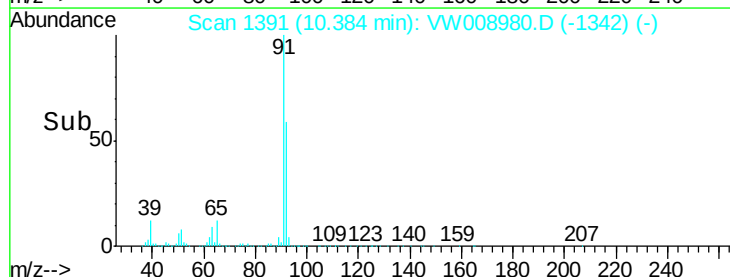
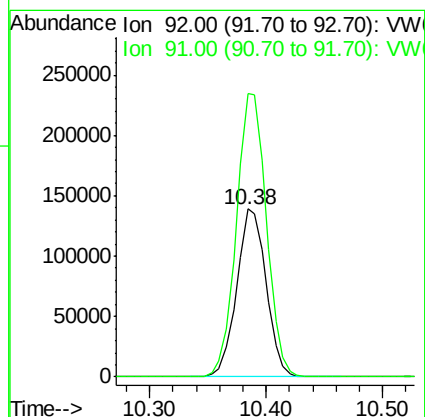
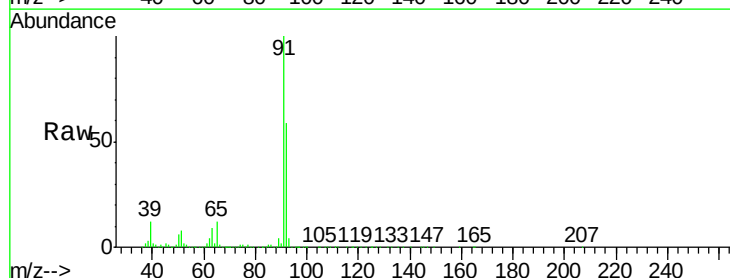
Acq: 05 Mar 2019 00:37

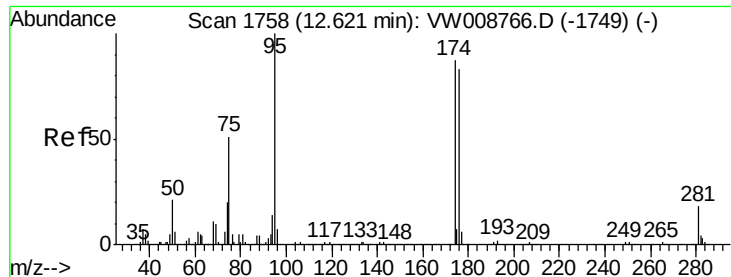
Tgt Ion: 92 Resp: 245190

Ion Ratio Lower Upper

92 100

91 171.6 136.9 205.3

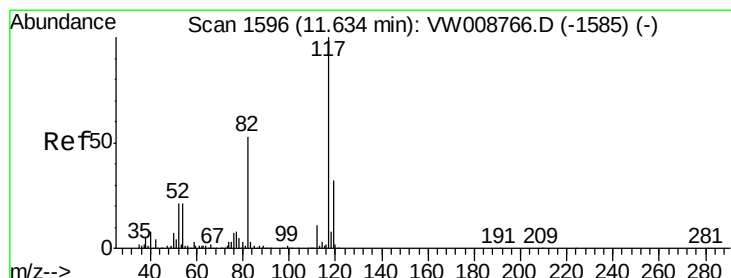
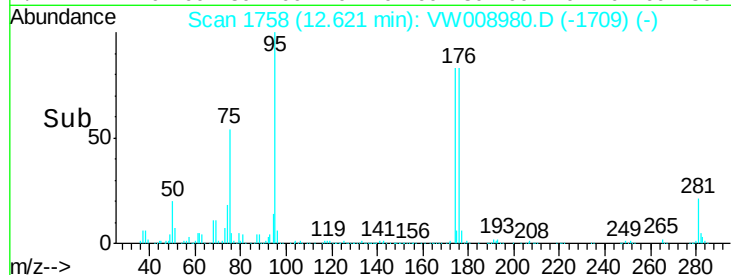
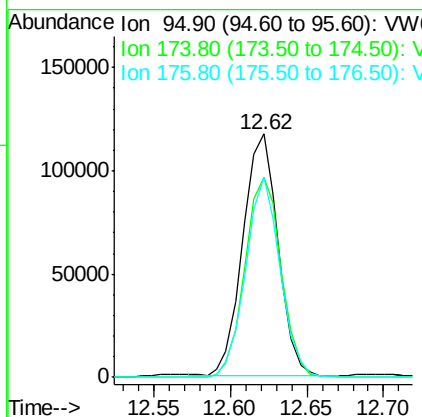
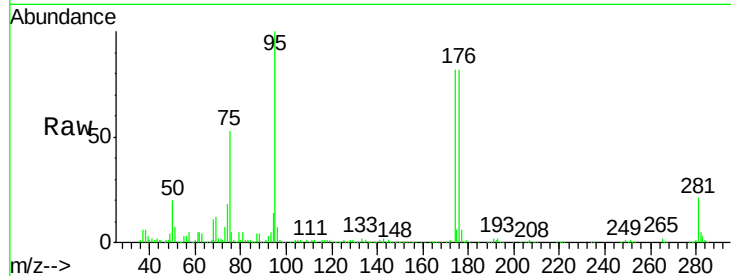




#62
4-Bromofluorobenzene
Concen: 39.768 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008980.D
Acq: 05 Mar 2019 00:37

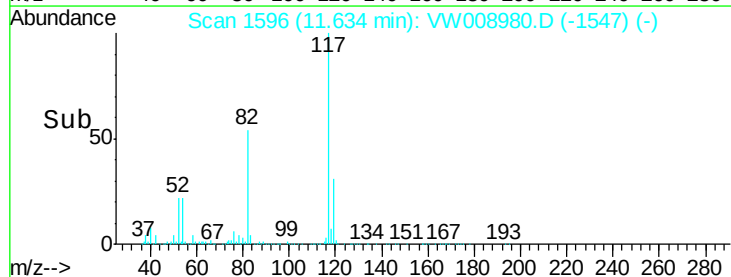
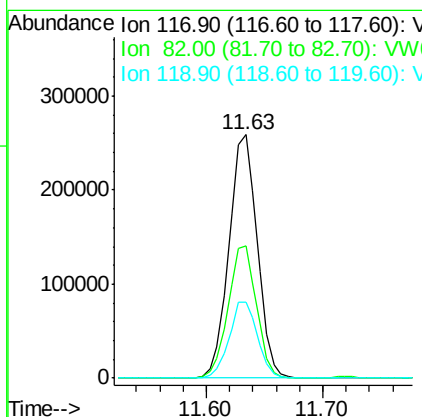
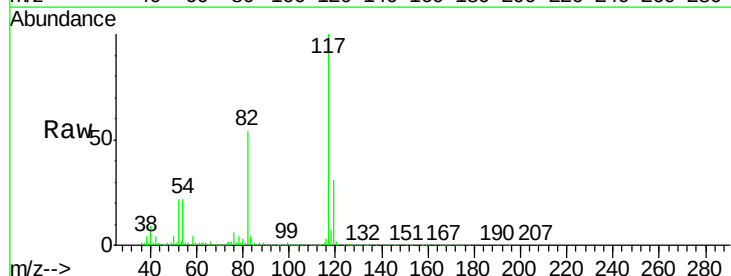
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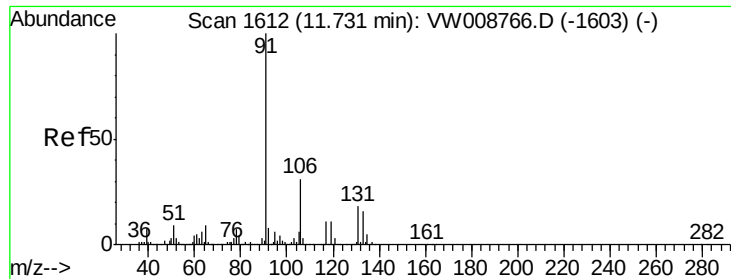
Tot Ion: 95 Resp: 187358
Ion Ratio Lower Upper
95 100
174 84.8 0.0 169.2
176 80.8 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008980.D
Acq: 05 Mar 2019 00:37

Tgt Ion: 117 Resp: 436407
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.4
119 31.3 25.9 38.9

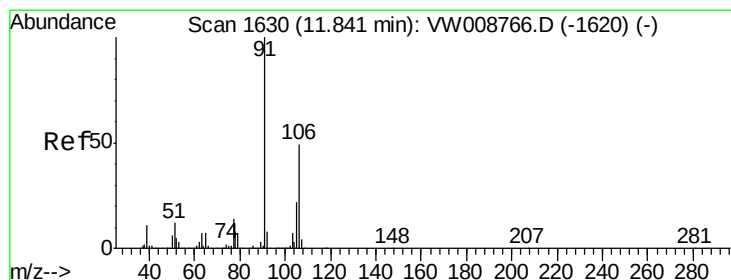
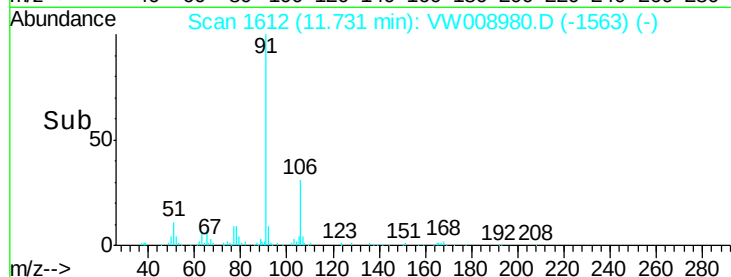
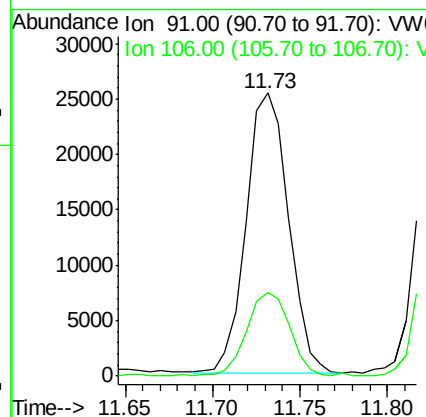
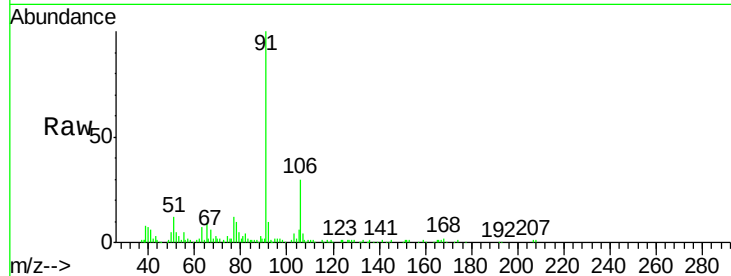




#67
Ethyl Benzene
Concen: 2.596 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008980.D
Acq: 05 Mar 2019 00:37

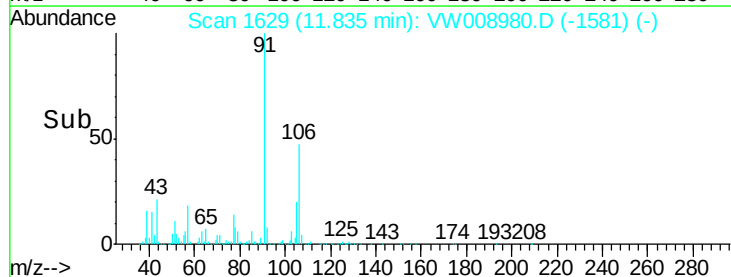
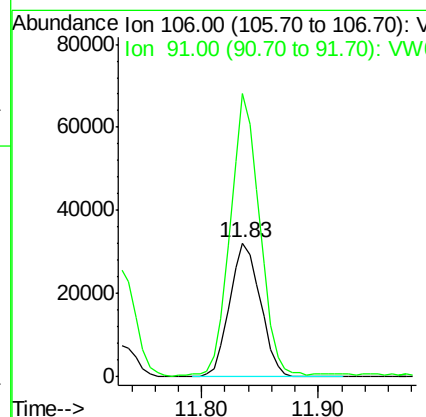
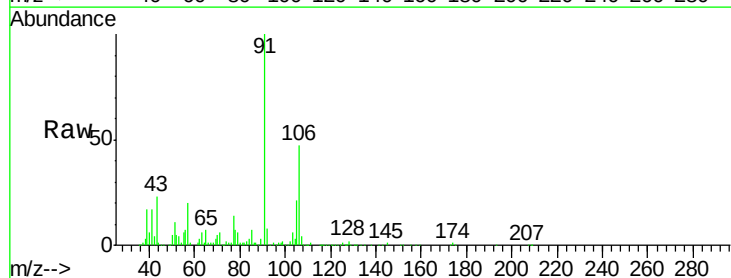
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-H

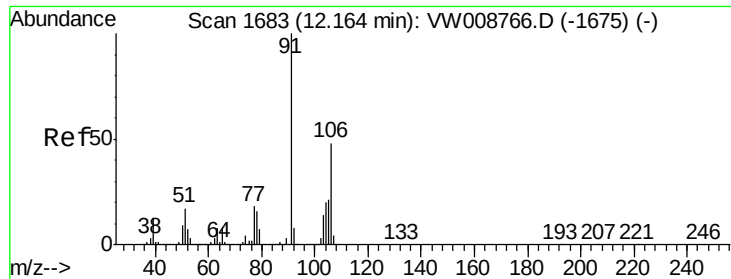
Tot Ion: 91 Resp: 42589
Ion Ratio Lower Upper
91 100
106 29.7 25.0 37.6



#68
m/p-Xylenes
Concen: 9.014 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008980.D
Acq: 05 Mar 2019 00:37

Tgt Ion: 106 Resp: 59081
Ion Ratio Lower Upper
106 100
91 200.3 161.5 242.3

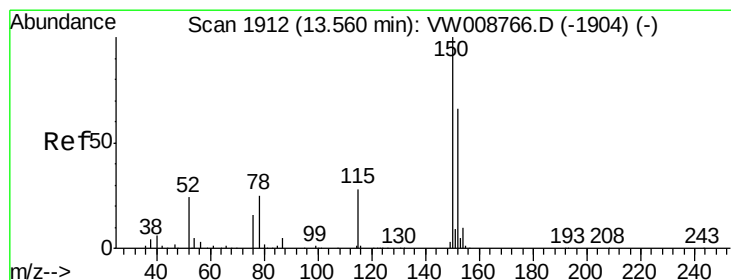
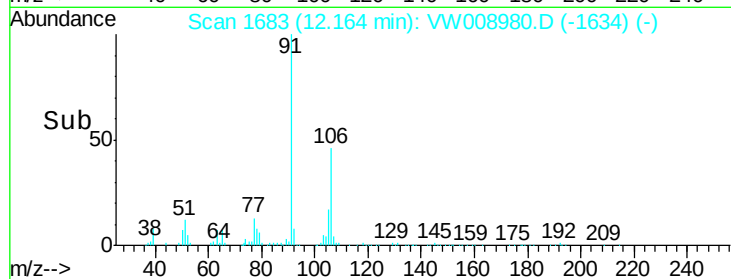
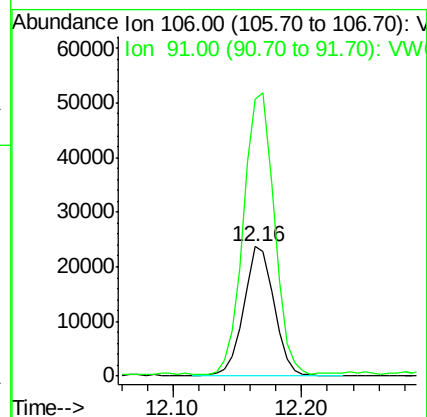
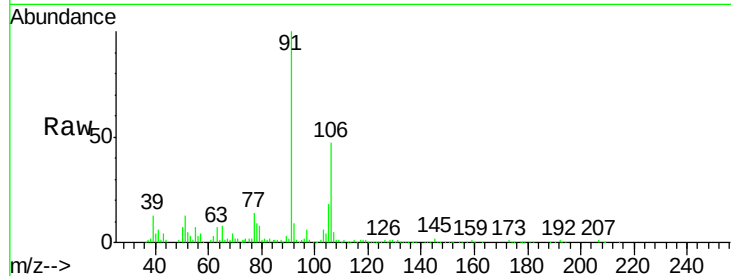




#69
o-Xylene
Concen: 6.300 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008980.D
Acq: 05 Mar 2019 00:37

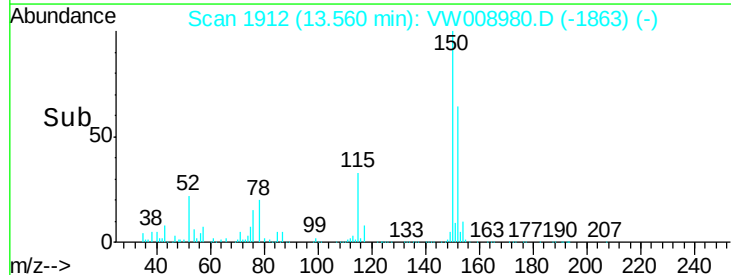
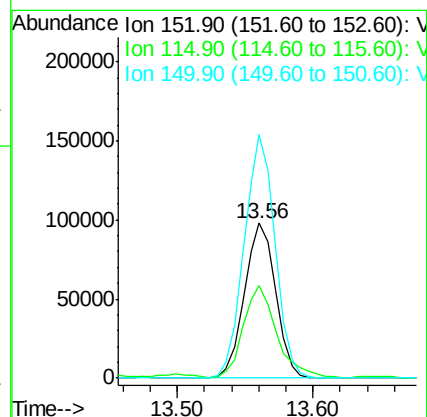
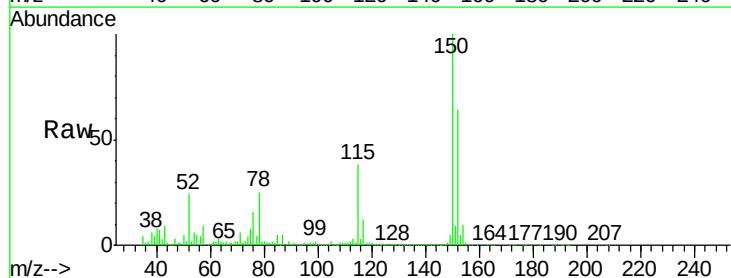
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-H

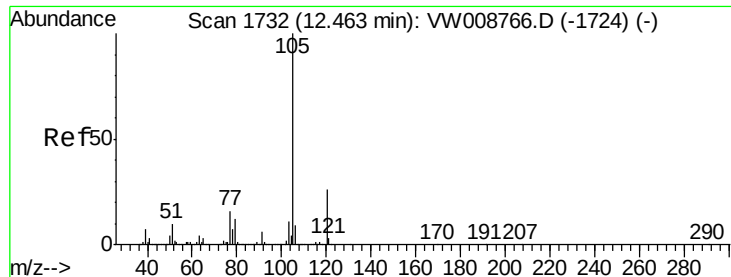
Tot Ion:106 Resp: 38759
Ion Ratio Lower Upper
106 100
91 219.5 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008980.D
Acq: 05 Mar 2019 00:37

Tgt Ion:152 Resp: 156634
Ion Ratio Lower Upper
152 100
115 62.9 28.6 85.8
150 155.5 0.0 348.0





#73

Isopropylbenzene

Concen: 1.985 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008980.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

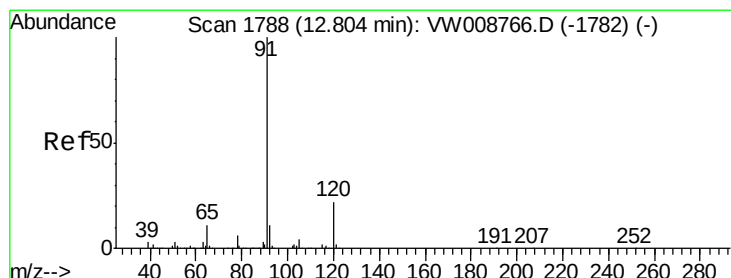
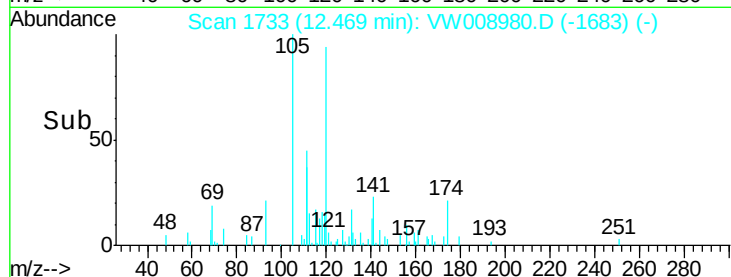
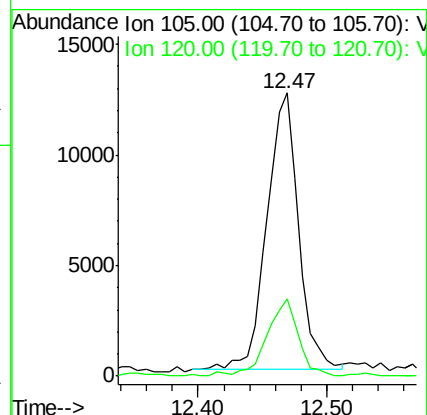
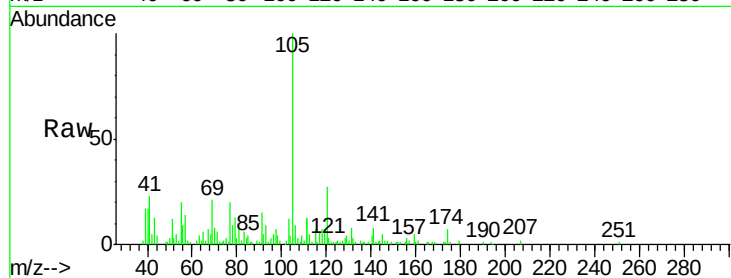
JC-03-030119-H

Tot Ion:105 Resp: 21319

Ion Ratio Lower Upper

105 100

120 27.8 13.3 39.9



#78

n-propylbenzene

Concen: 4.711 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008980.D

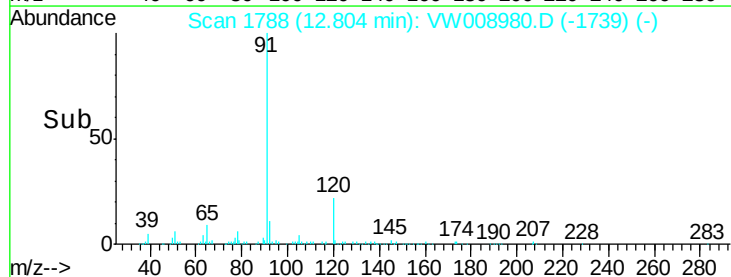
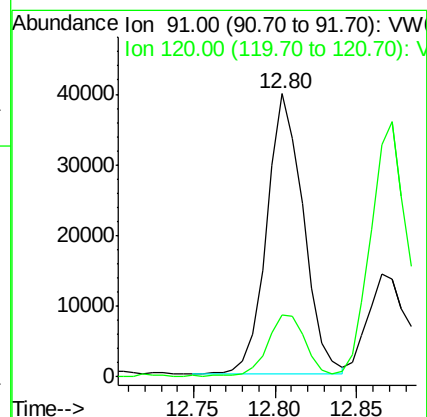
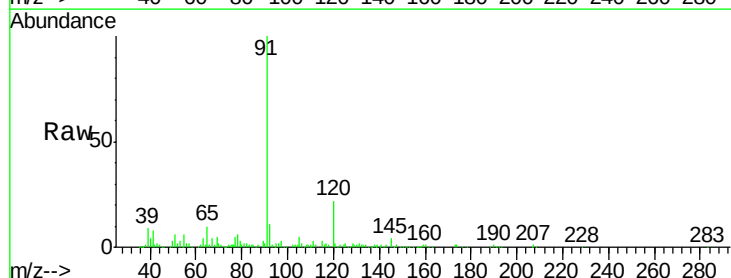
Acq: 05 Mar 2019 00:37

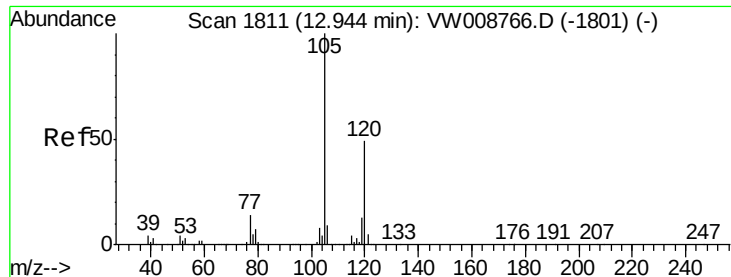
Tgt Ion: 91 Resp: 61885

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4

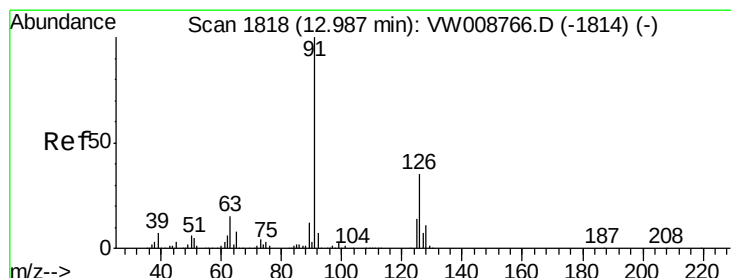
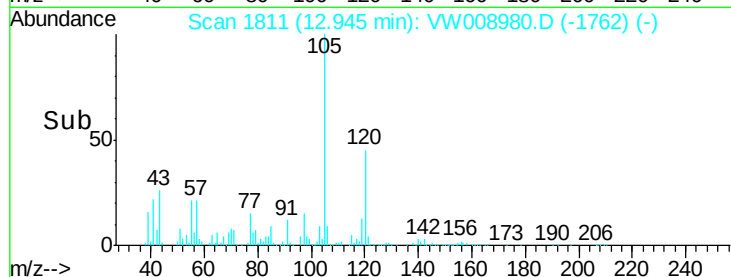
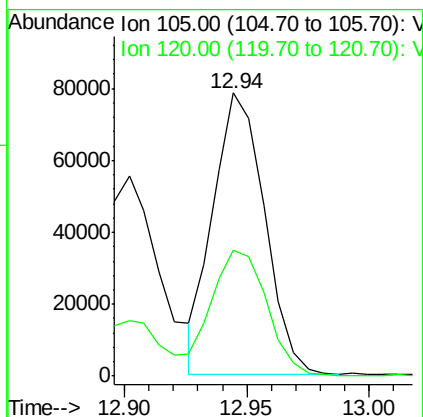
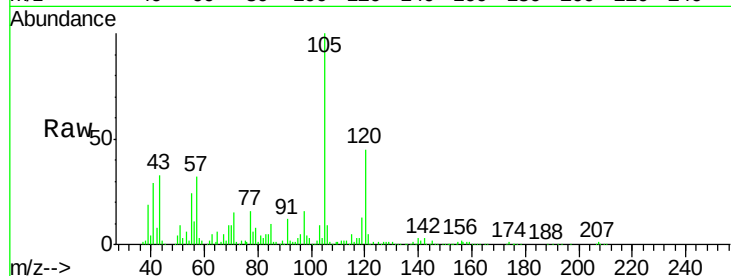




#80
 1,3,5-Trimethylbenzene
 Concen: 12.253 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008980.D
 Acq: 05 Mar 2019 00:37

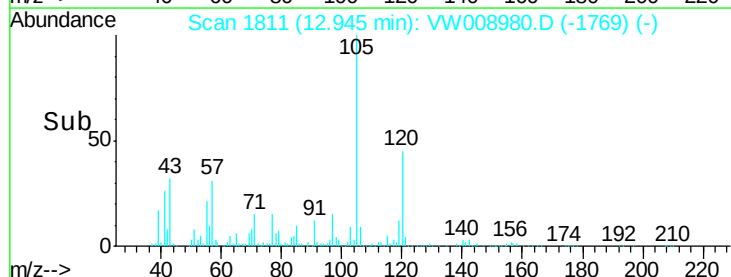
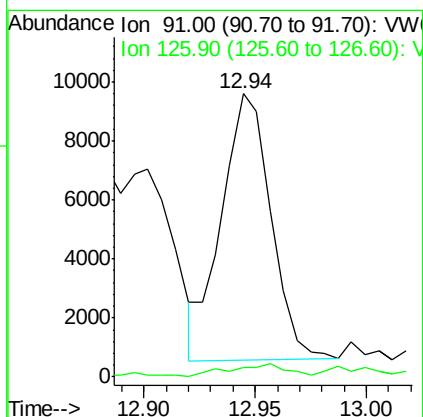
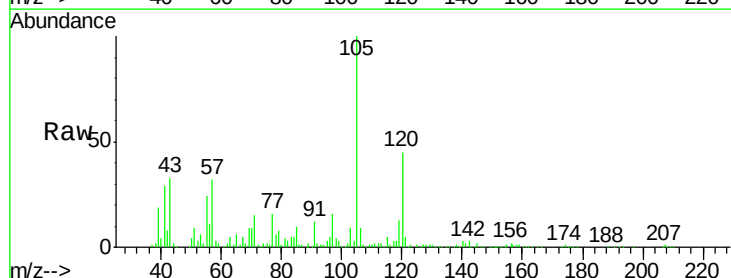
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-H

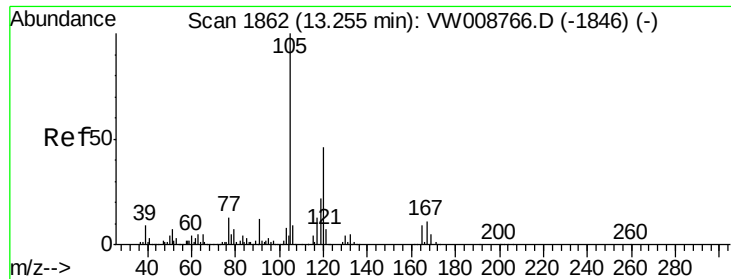
Tot Ion:105 Resp: 114342
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.8 74.4



#82
 4-Chlorotoluene
 Concen: 1.773 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.04 min
 Lab File: VW008980.D
 Acq: 05 Mar 2019 00:37

Tgt Ion: 91 Resp: 13935
 Ion Ratio Lower Upper
 91 100
 126 5.8 17.2 51.6#

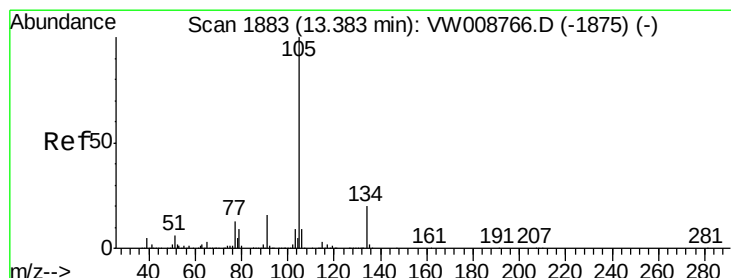
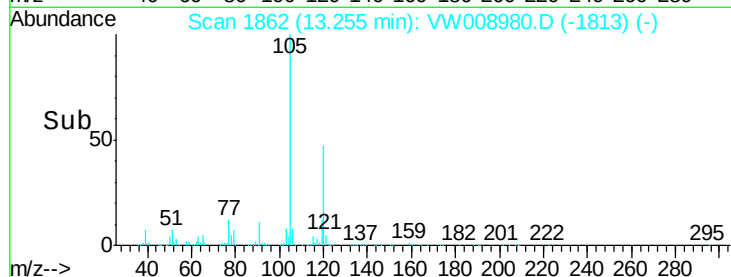
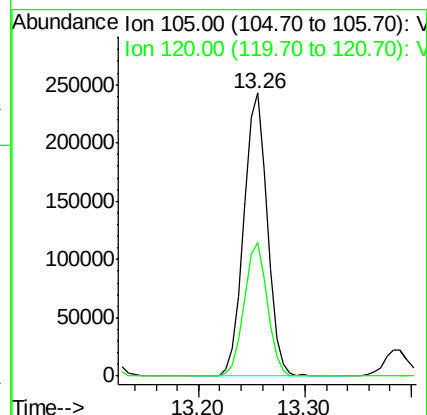
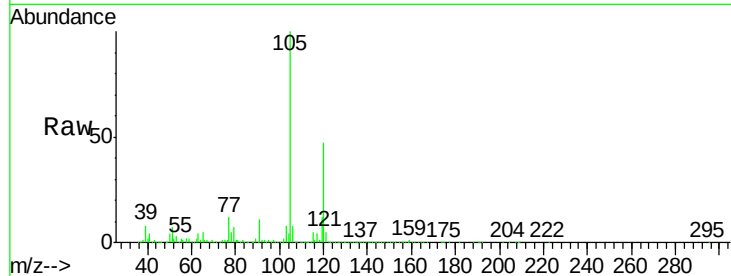




#84
 1,2,4-Trimethylbenzene
 Concen: 38.816 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008980.D
 Acq: 05 Mar 2019 00:37

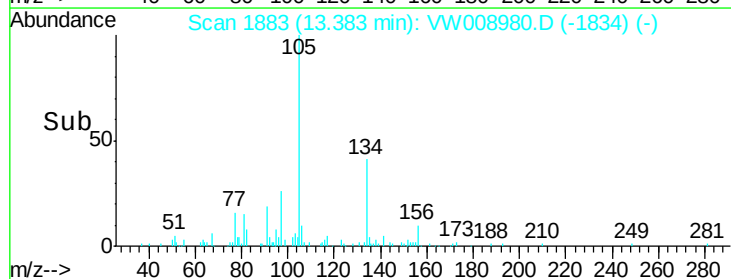
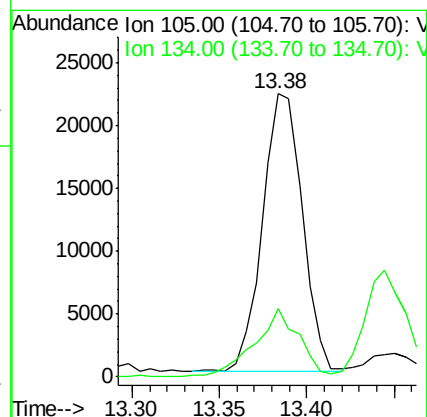
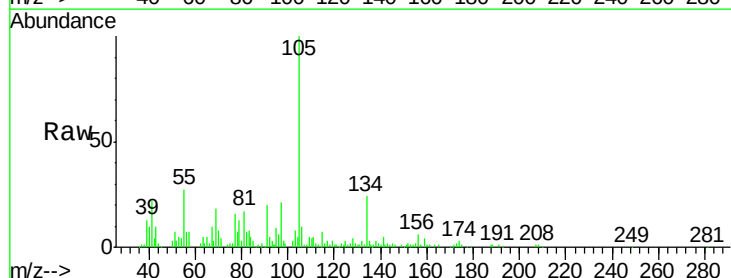
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-H

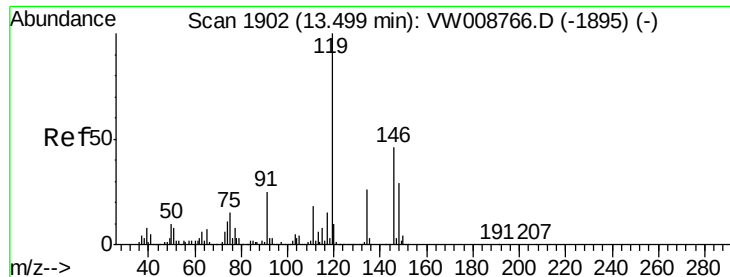
Tot Ion:105 Resp: 374942
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 3.014 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008980.D
 Acq: 05 Mar 2019 00:37

Tgt Ion:105 Resp: 34964
 Ion Ratio Lower Upper
 105 100
 134 27.6 10.4 31.1

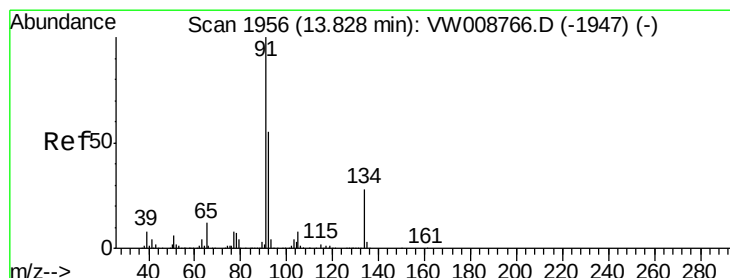
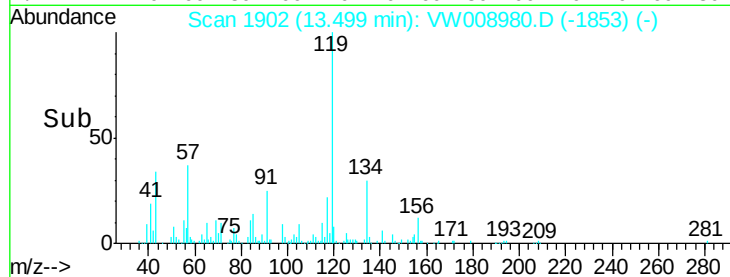
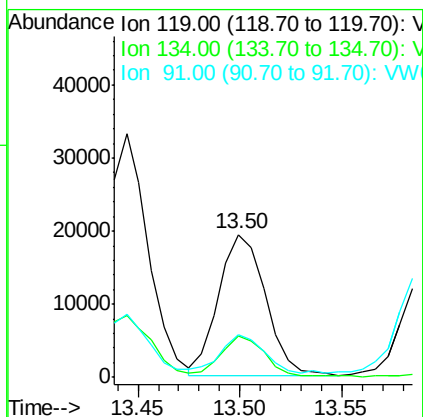
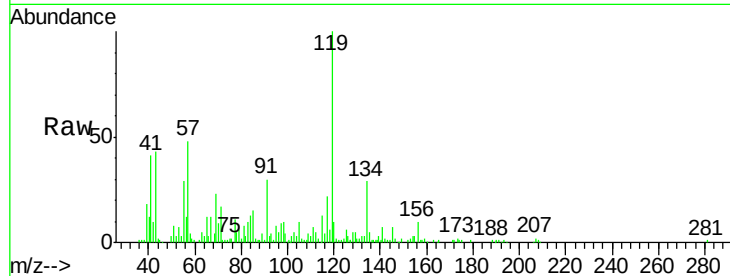




#86
p-Isopropyltoluene
Concen: 2.903 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW008980.D
Acq: 05 Mar 2019 00:37

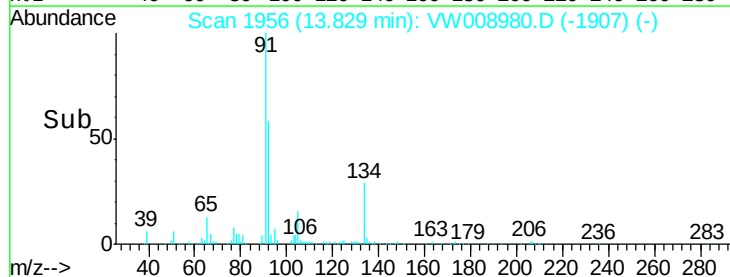
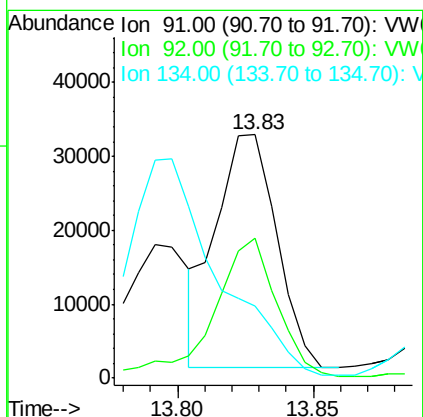
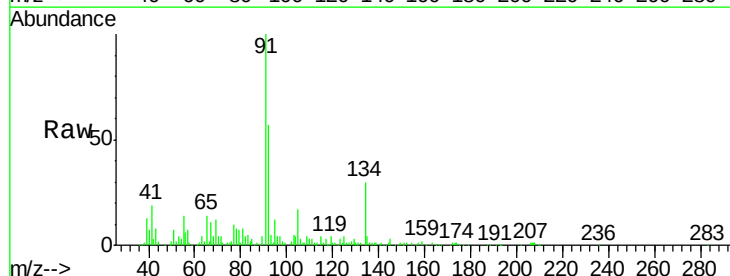
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-H

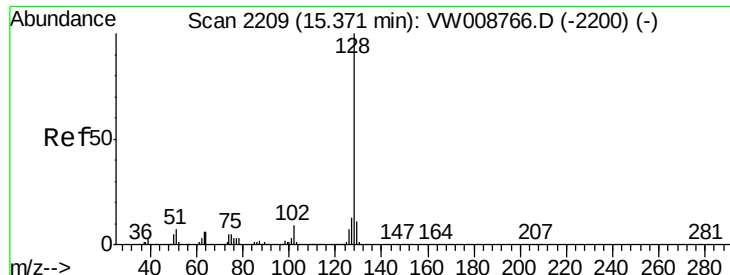
Tot Ion:119 Resp: 30879
Ion Ratio Lower Upper
119 100
134 27.4 13.1 39.3
91 23.9 12.1 36.3



#89
n-Butylbenzene
Concen: 4.913 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008980.D
Acq: 05 Mar 2019 00:37

Tgt Ion: 91 Resp: 48951
Ion Ratio Lower Upper
91 100
92 60.4 26.8 80.4
134 0.0 13.5 40.4#

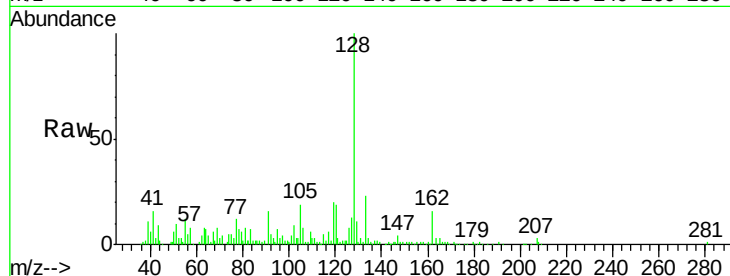




#95
Naphthalene
Concen: 10.436 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008980.D
Acq: 05 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-H

Tot Ion:128 Resp: 60054
Ion Ratio Lower Upper
128 100
127 16.4 10.8 16.2#
129 9.1 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

