

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW009001.D
 Acq On : 05 Mar 2019 17:16
 Operator : SY/VA
 Sample : K1688-03RE
 Misc : 6.96G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 06 07:45:40 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	302441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	475096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	398817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	174283	61.44	ug/l	0.00
Spiked Amount			Recovery	=	122.88%	
35) Dibromofluoromethane	7.88	113	146655	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	10.32	98	551793	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	171795	39.85	ug/l	0.00
Spiked Amount			Recovery	=	79.70%	

Target Compounds

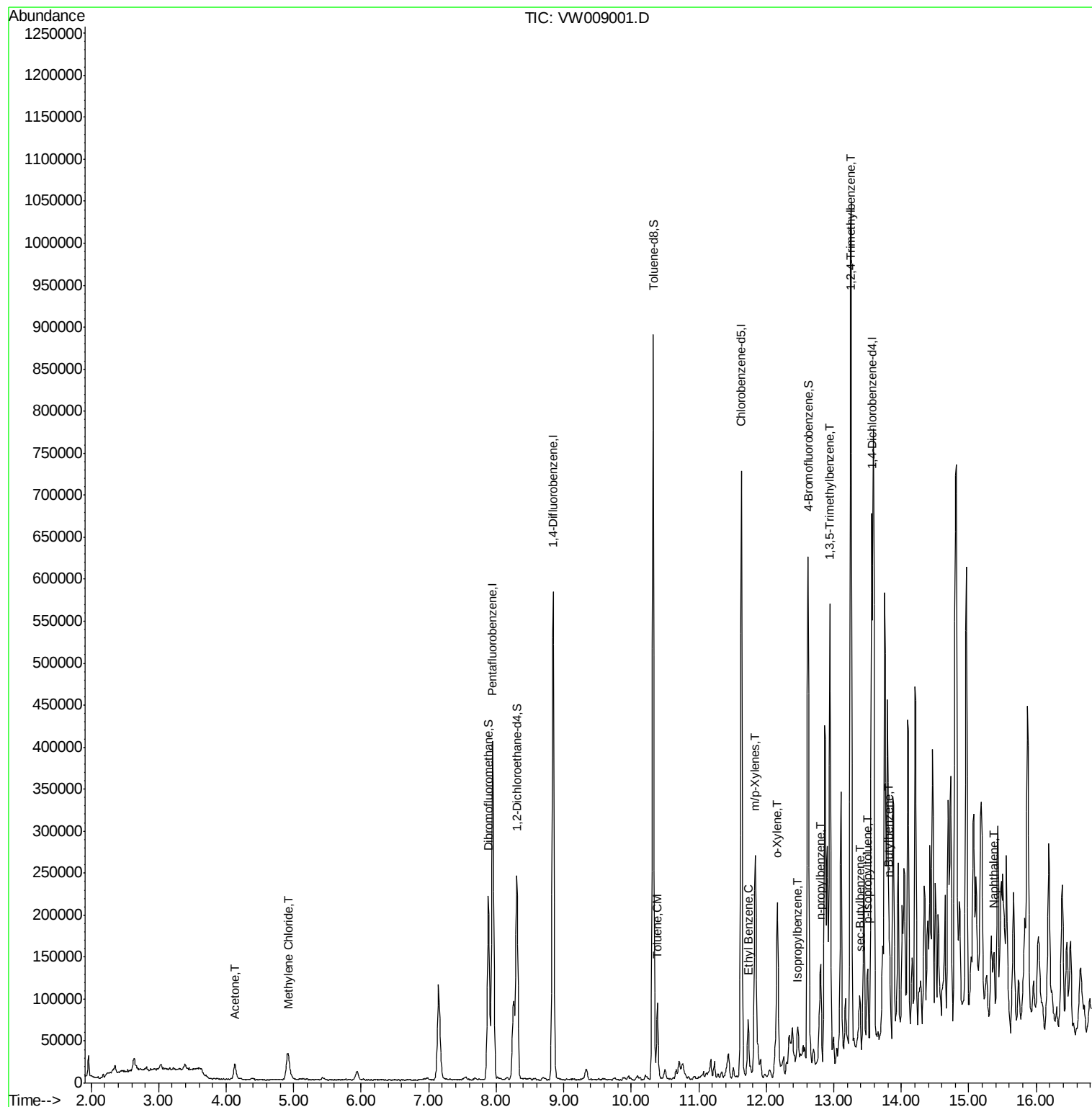
					Qvalue	
16) Acetone	4.13	43	31283	47.578	ug/l	97
20) Methylene Chloride	4.92	84	24509	2.737	ug/l	89
52) Toluene	10.38	92	37117	4.331	ug/l	97
67) Ethyl Benzene	11.73	91	39105	2.609	ug/l	98
68) m/p-Xylenes	11.84	106	67880	11.333	ug/l	100
69) o-Xylene	12.16	106	48880	8.694	ug/l	97
73) Isopropylbenzene	12.46	105	25975	2.522	ug/l	99
78) n-propylbenzene	12.80	91	86283	6.848	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	225543	25.196	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	546254	58.950	ug/l	99
85) sec-Butylbenzene	13.38	105	36518	3.281	ug/l	80
86) p-Isopropyltoluene	13.50	119	49495	4.851	ug/l	99
89) n-Butylbenzene	13.82	91	51645	5.403	ug/l #	74
95) Naphthalene	15.37	128	45471	8.237	ug/l	96

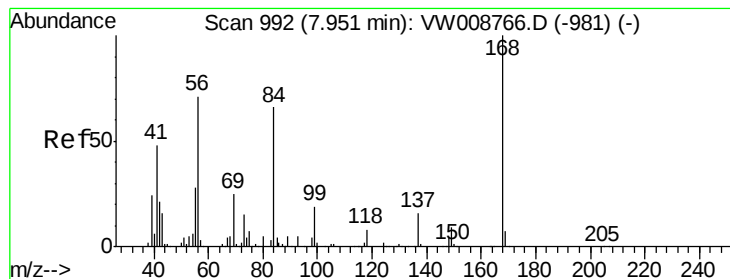
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

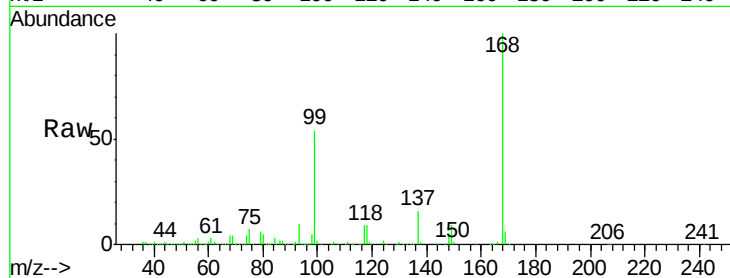
JC-03-030119-BRE

Tot Ion:168 Resp: 302441

Ion Ratio Lower Upper

168 100

99 54.1 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

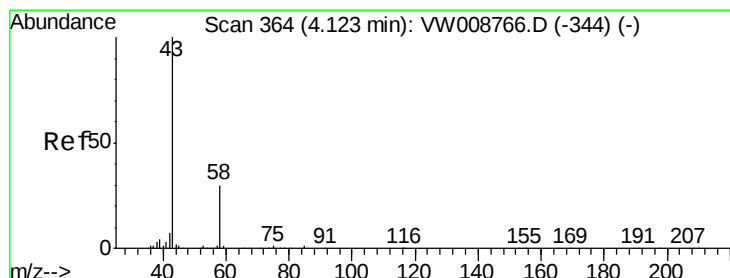
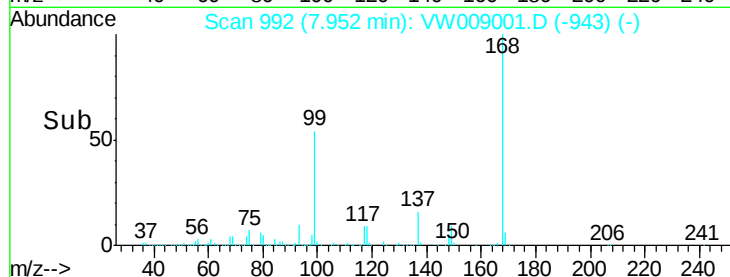
100000

50000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 47.578 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009001.D

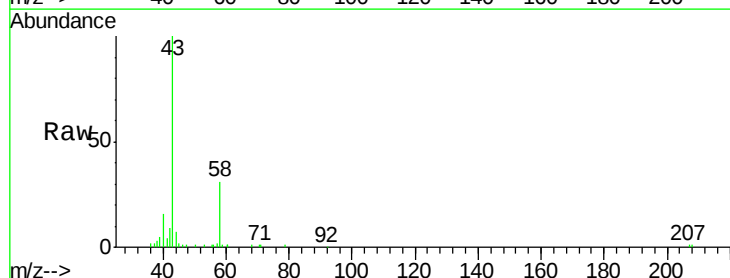
Acq: 05 Mar 2019 17:16

Tgt Ion: 43 Resp: 31283

Ion Ratio Lower Upper

43 100

58 31.3 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

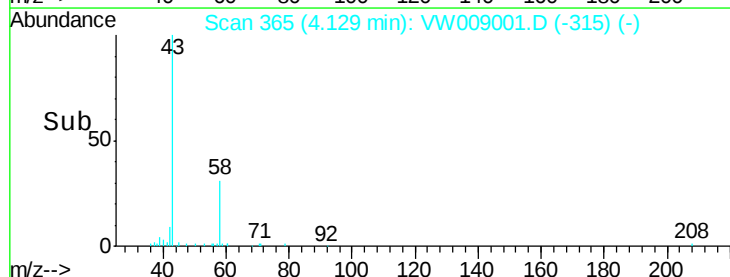
10000

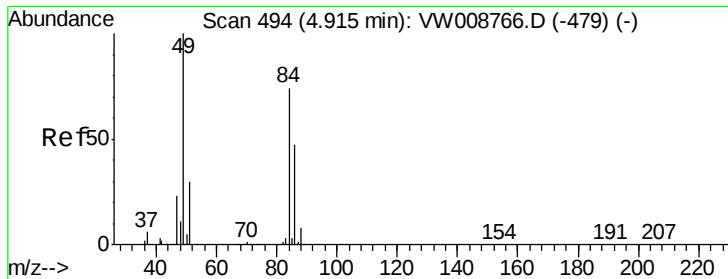
5000

0

4.00 4.10 4.20 4.30

Time-->





#20

Methylene Chloride

Concen: 2.737 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-BRE

Tot Ion: 84 Resp: 24509

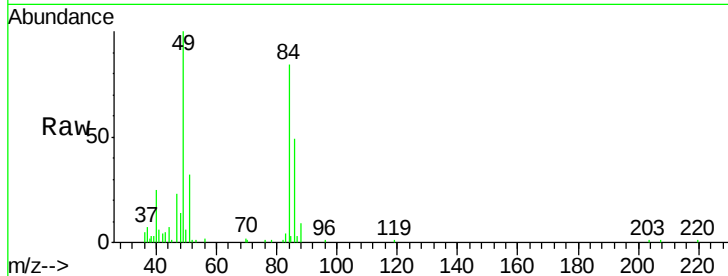
Ion Ratio Lower Upper

84 100

49 116.9 108.2 162.2

51 38.4 32.7 49.1

86 58.4 50.3 75.5

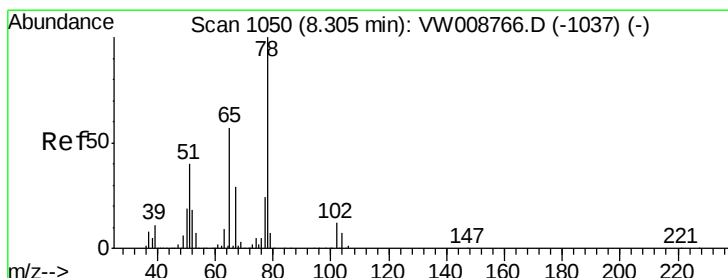
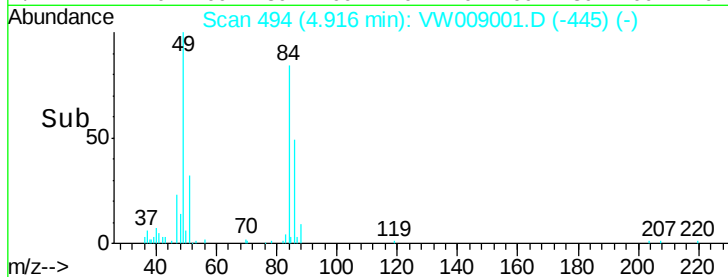
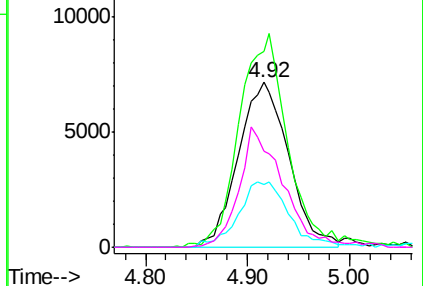


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#33

1,2-Dichloroethane-d4

Concen: 61.440 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009001.D

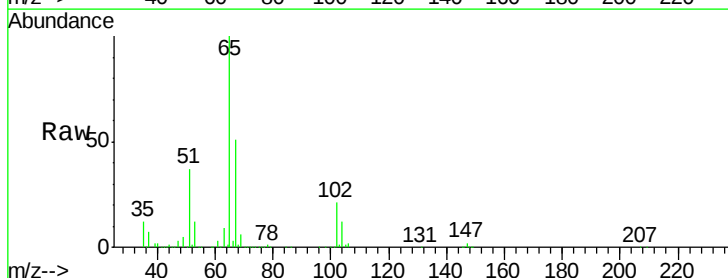
Acq: 05 Mar 2019 17:16

Tgt Ion: 65 Resp: 174283

Ion Ratio Lower Upper

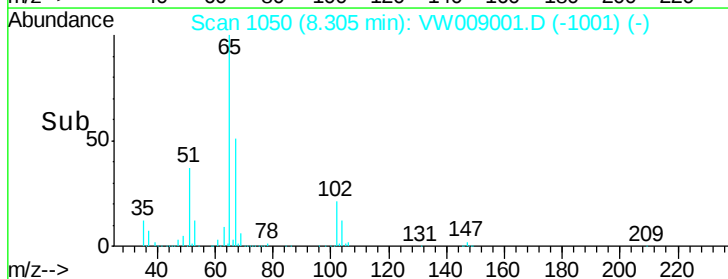
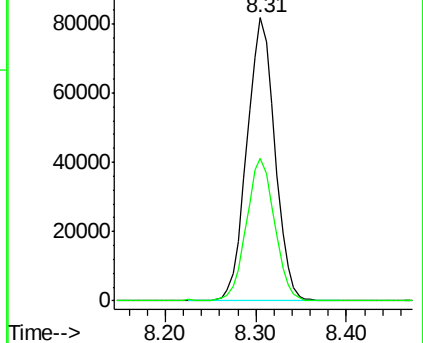
65 100

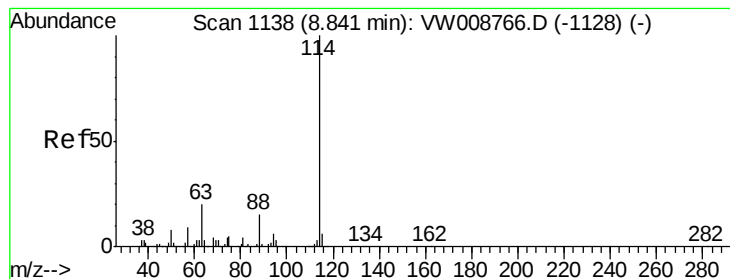
67 50.9 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-BRE

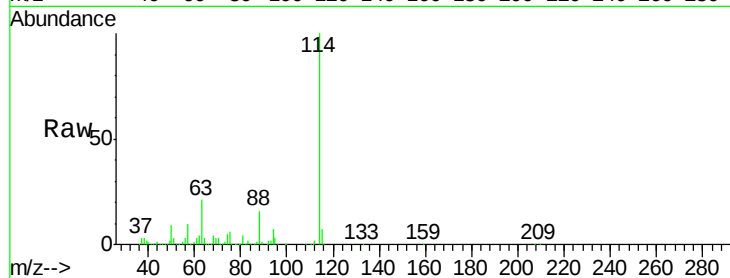
Tot Ion:114 Resp: 475096

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

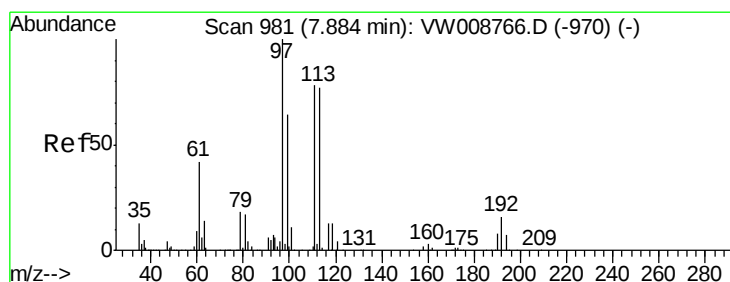
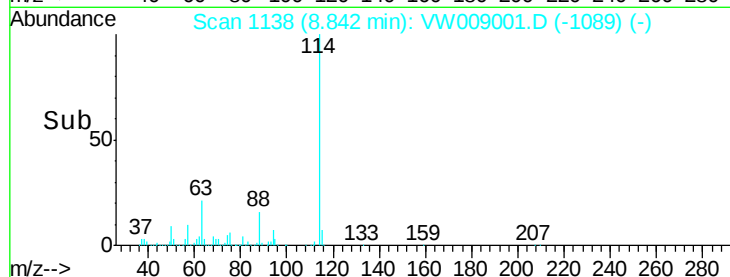
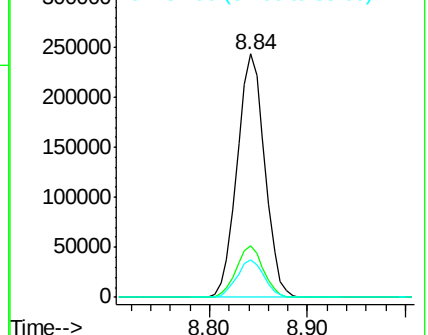
88 15.6 0.0 30.4



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: 51.412 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

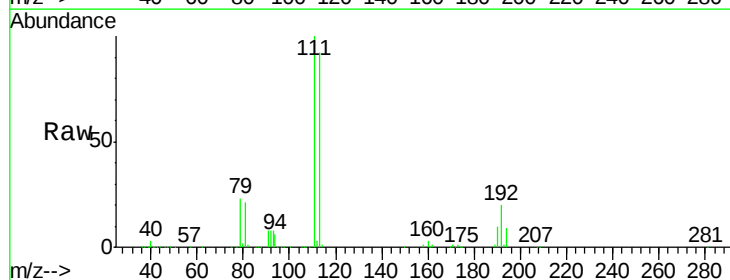
Tgt Ion:113 Resp: 146655

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

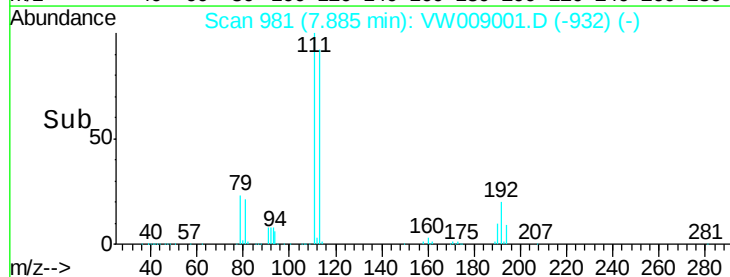
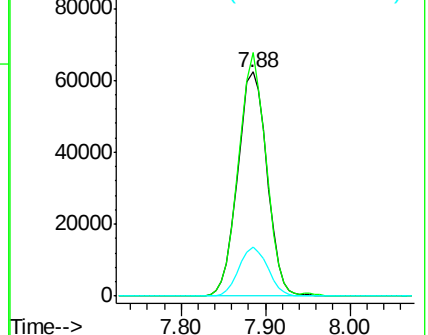
192 21.7 17.1 25.7

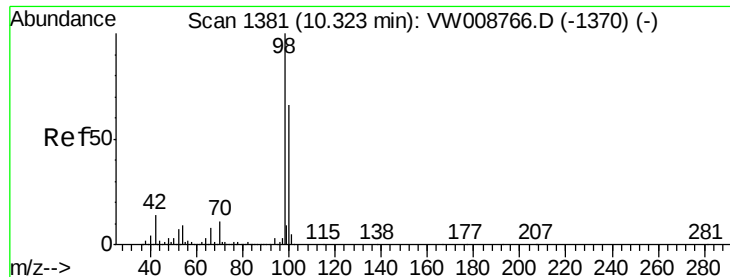


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.110 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

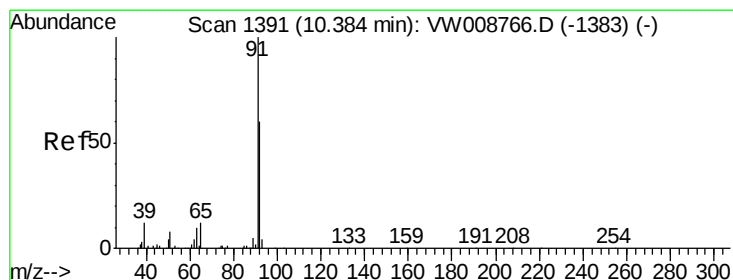
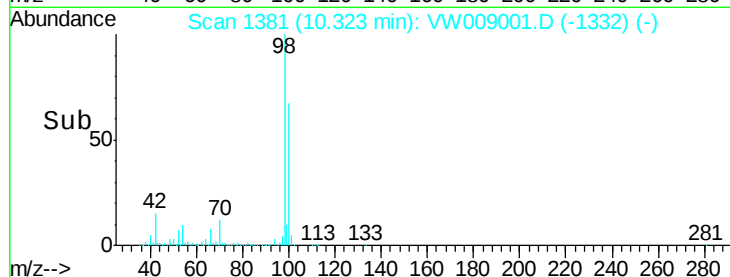
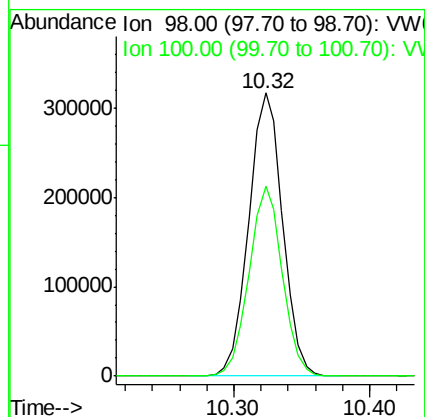
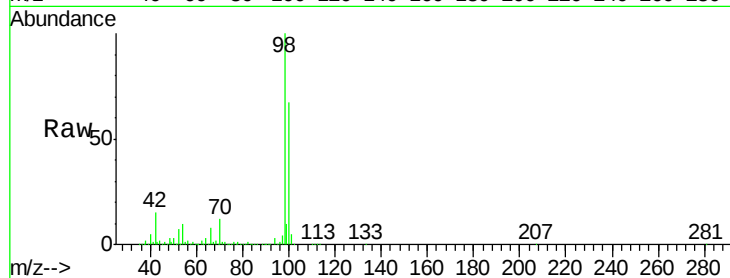
JC-03-030119-BRE

Tot Ion: 98 Resp: 551793

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#52

Toluene

Concen: 4.331 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009001.D

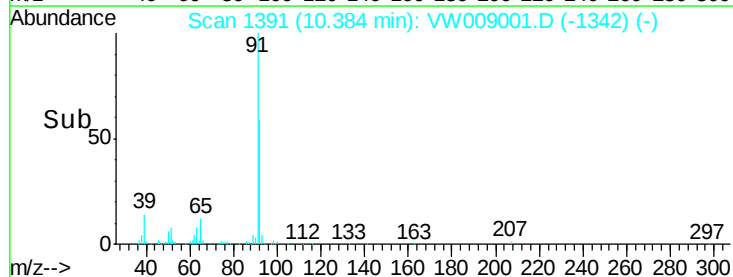
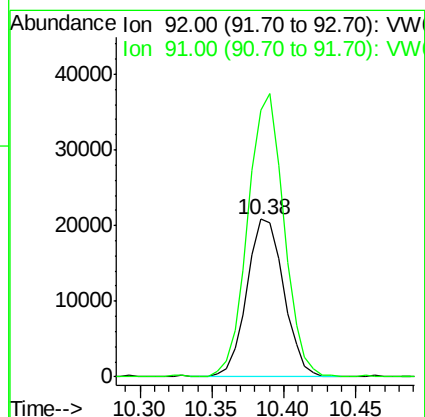
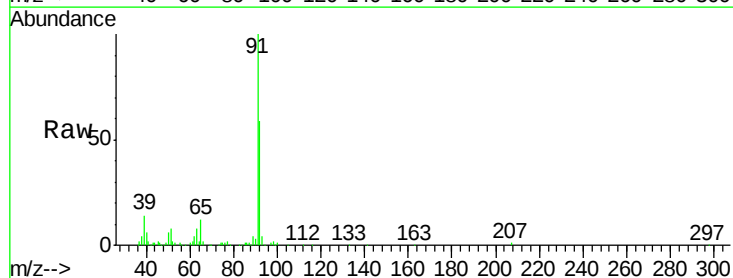
Acq: 05 Mar 2019 17:16

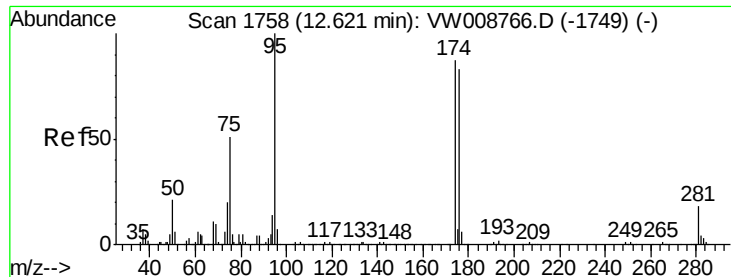
Tgt Ion: 92 Resp: 37117

Ion Ratio Lower Upper

92 100

91 175.2 136.9 205.3

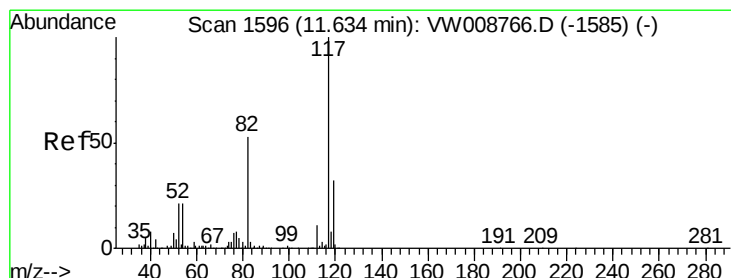
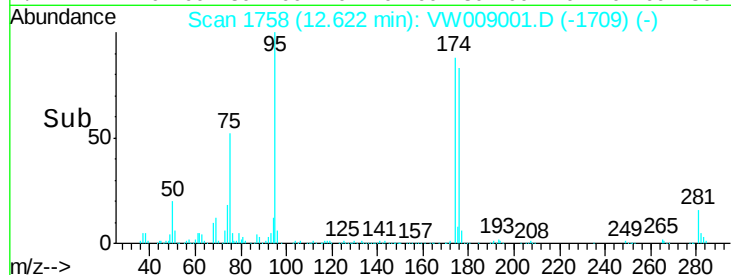
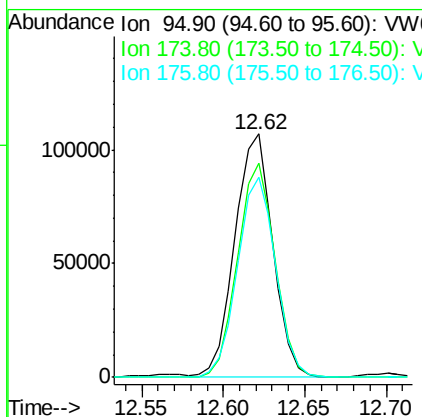
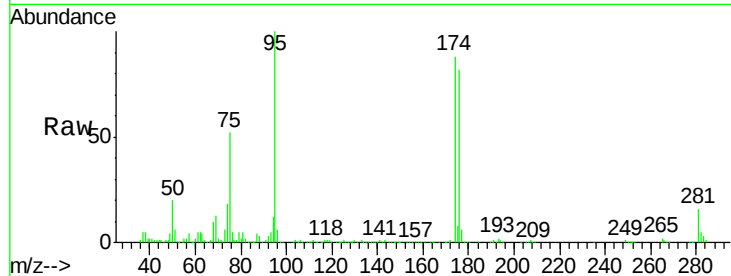




#62
4-Bromofluorobenzene
Concen: 39.846 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

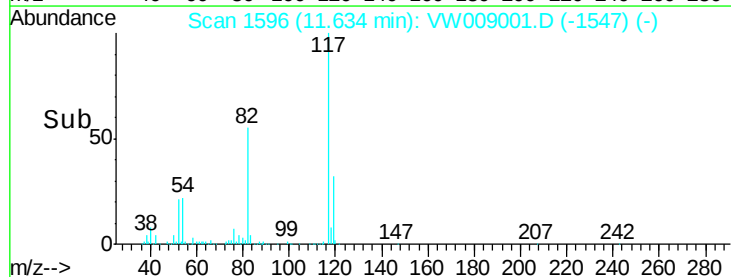
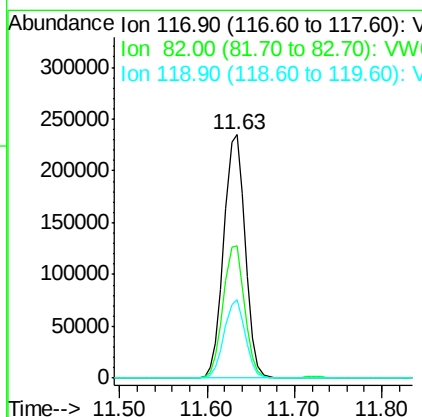
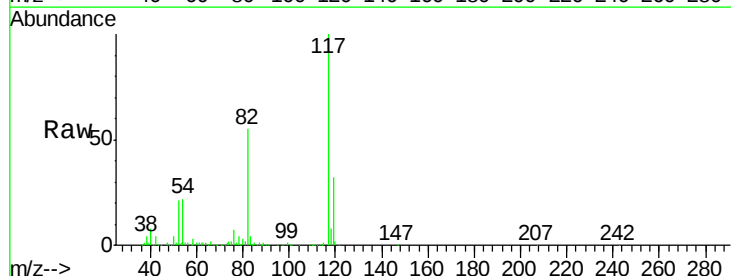
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-BRE

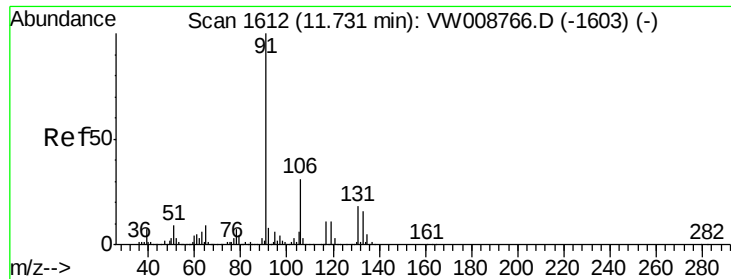
Tot Ion: 95 Resp: 171795
Ion Ratio Lower Upper
95 100
174 87.8 0.0 169.2
176 83.3 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

Tgt Ion: 117 Resp: 398817
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.4
119 32.3 25.9 38.9





#67

Ethyl Benzene

Concen: 2.609 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

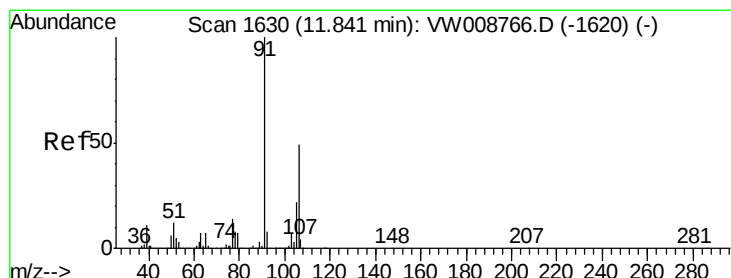
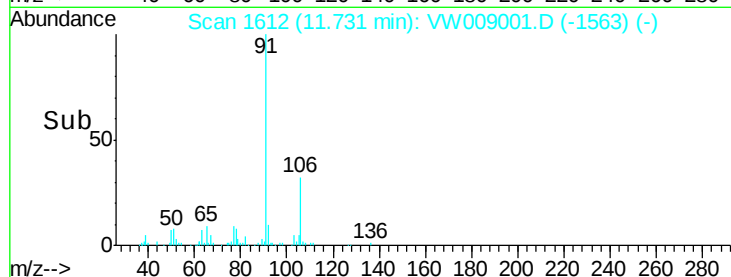
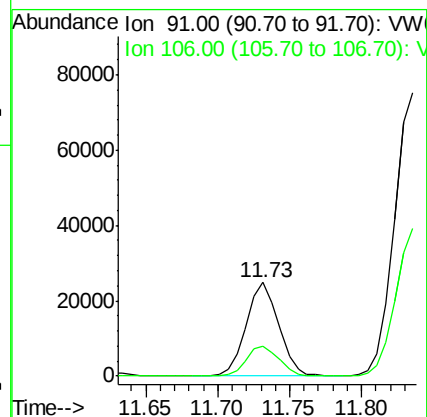
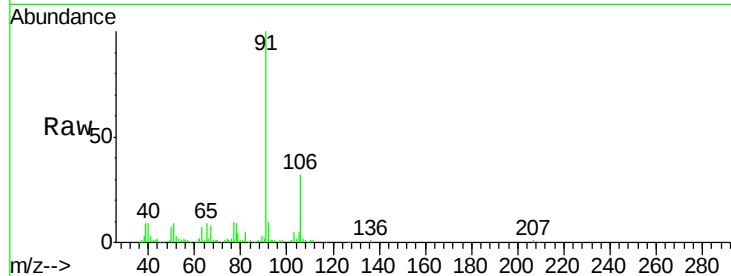
JC-03-030119-BRE

Tot Ion: 91 Resp: 39105

Ion Ratio Lower Upper

91 100

106 32.3 25.0 37.6



#68

m/p-Xylenes

Concen: 11.333 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW009001.D

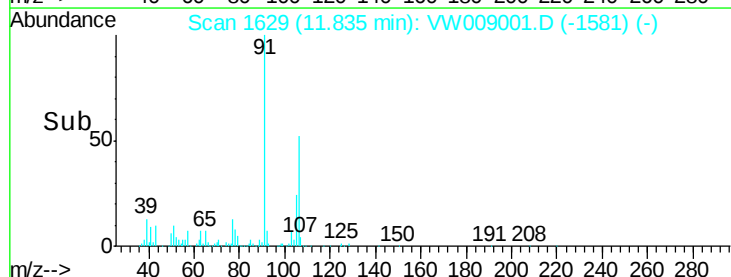
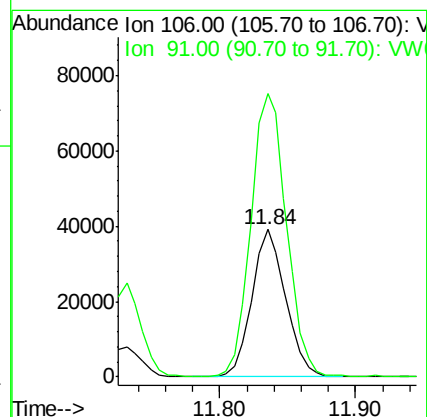
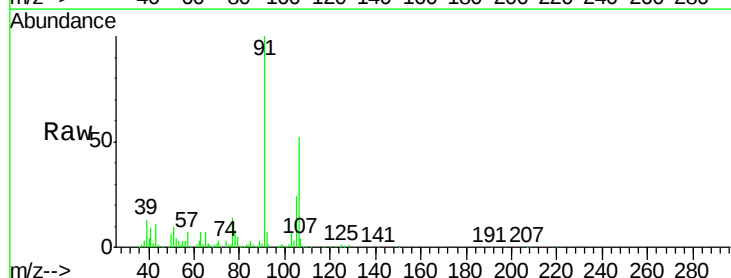
Acq: 05 Mar 2019 17:16

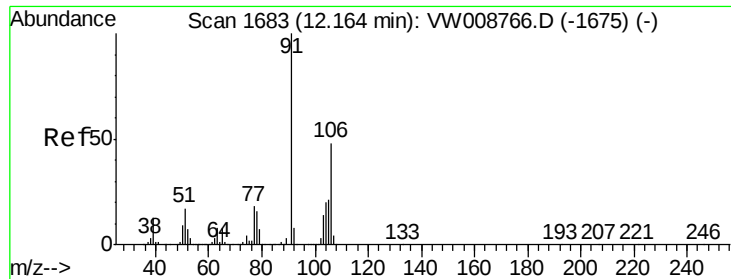
Tgt Ion: 106 Resp: 67880

Ion Ratio Lower Upper

106 100

91 201.9 161.5 242.3

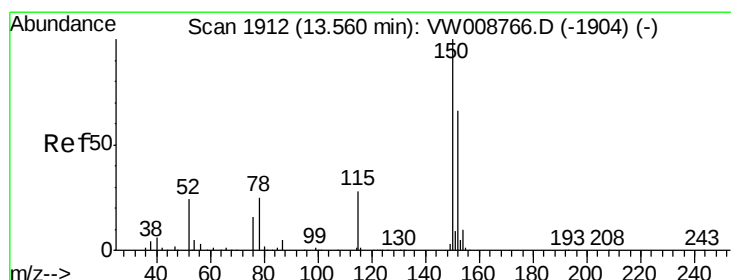
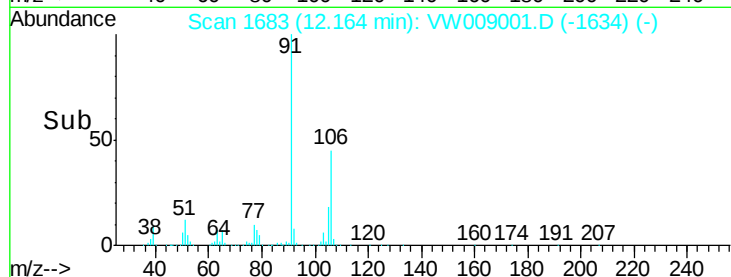
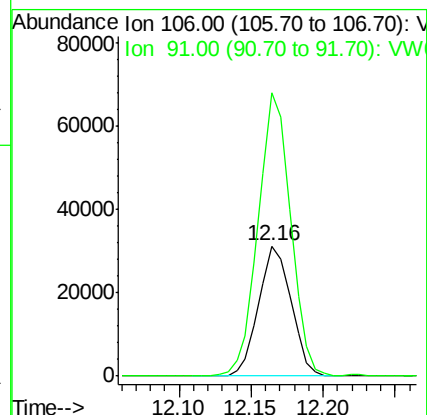
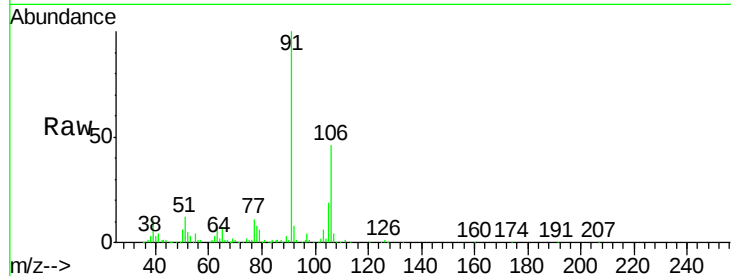




#69
o-Xylene
Concen: 8.694 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

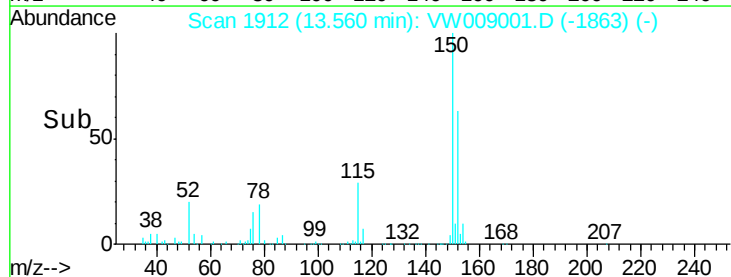
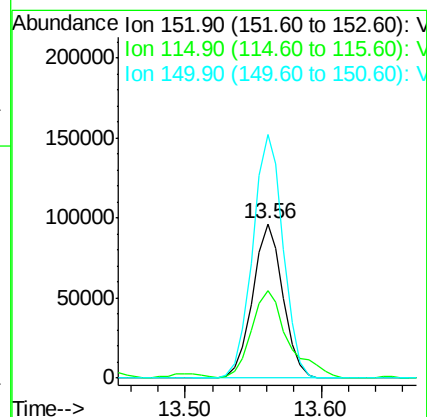
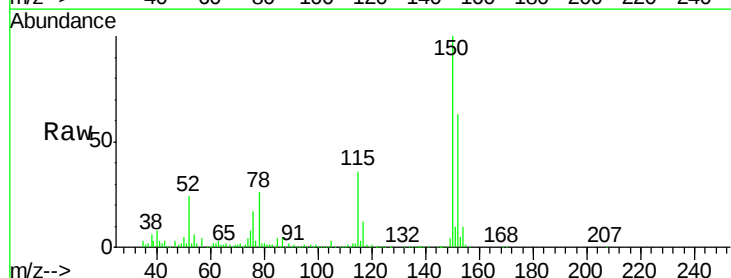
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-BRE

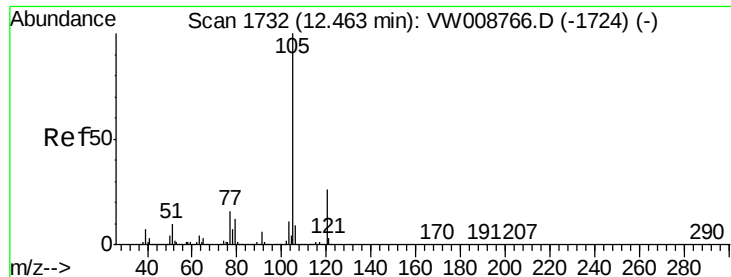
Tot Ion:106 Resp: 48880
Ion Ratio Lower Upper
106 100
91 217.8 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

Tgt Ion:152 Resp: 150258
Ion Ratio Lower Upper
152 100
115 67.9 28.6 85.8
150 159.4 0.0 348.0





#73

Isopropylbenzene

Concen: 2.522 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

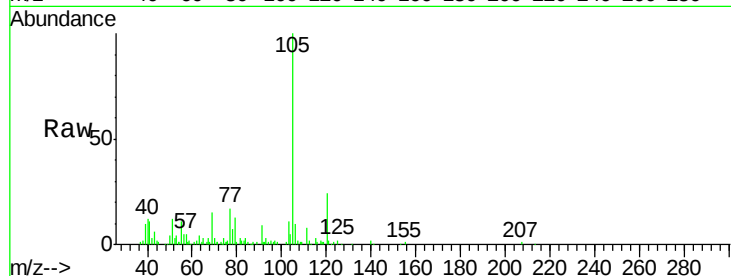
JC-03-030119-BRE

Tot Ion:105 Resp: 25975

Ion Ratio Lower Upper

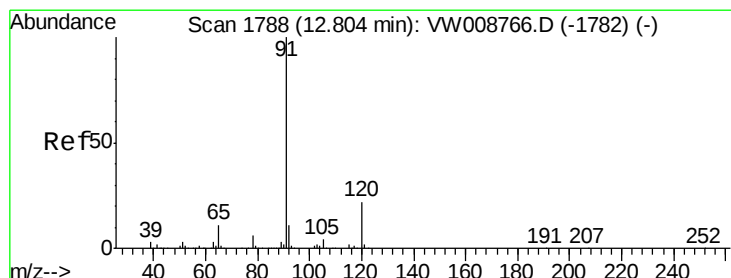
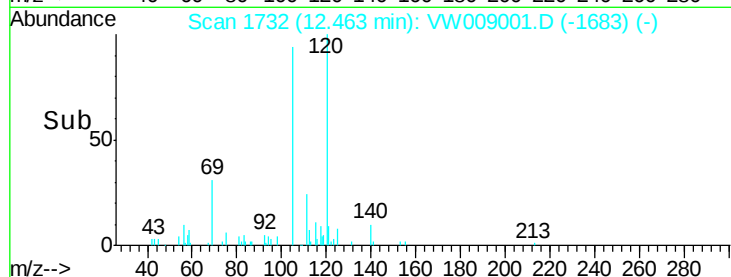
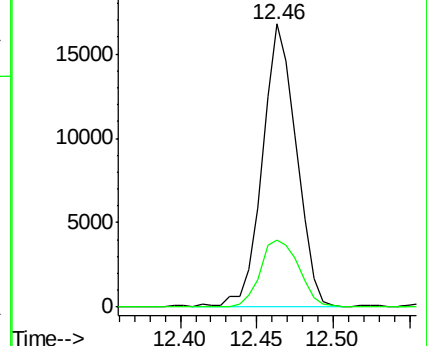
105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 6.848 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009001.D

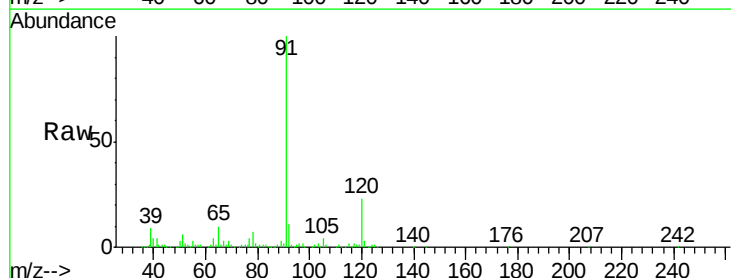
Acq: 05 Mar 2019 17:16

Tgt Ion: 91 Resp: 86283

Ion Ratio Lower Upper

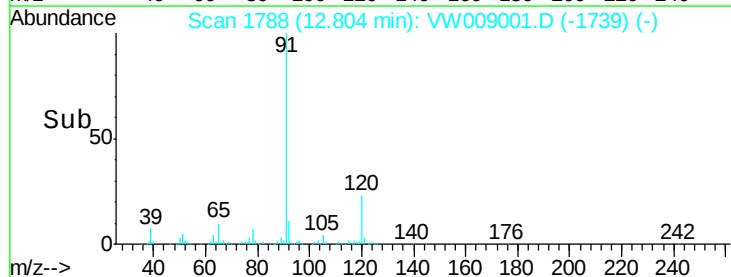
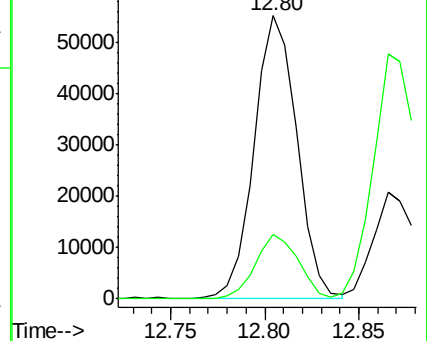
91 100

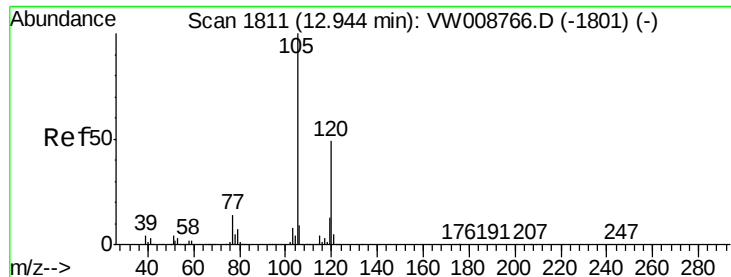
120 23.1 11.5 34.4



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: 25.196 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

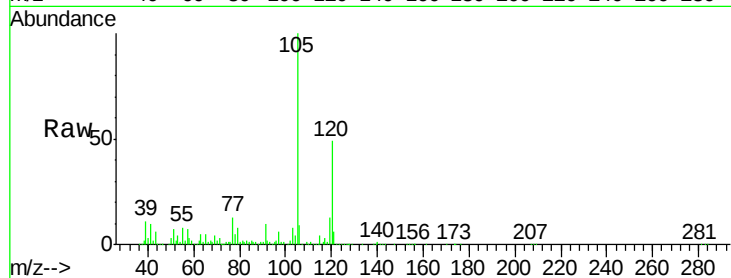
JC-03-030119-BRE

Tot Ion:105 Resp: 225543

Ion Ratio Lower Upper

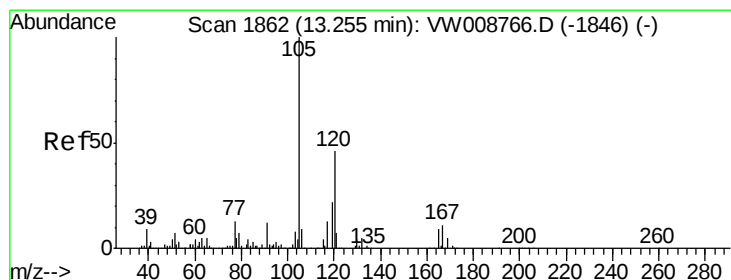
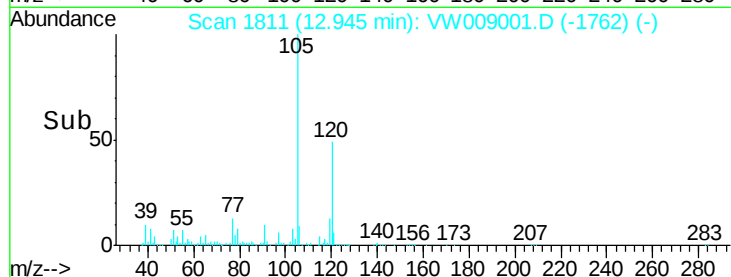
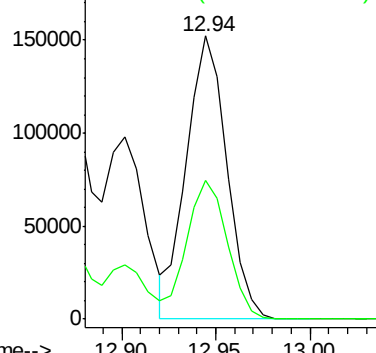
105 100

120 49.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 58.950 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009001.D

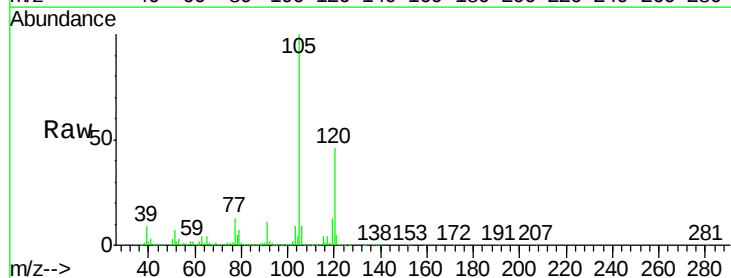
Acq: 05 Mar 2019 17:16

Tgt Ion:105 Resp: 546254

Ion Ratio Lower Upper

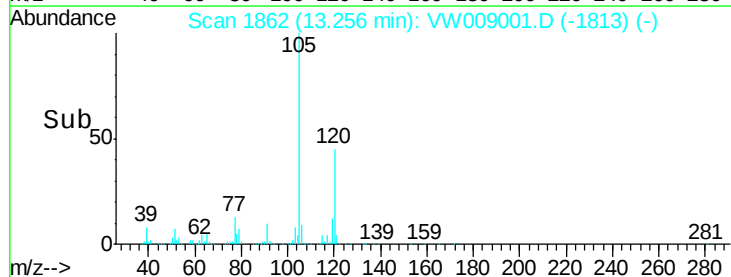
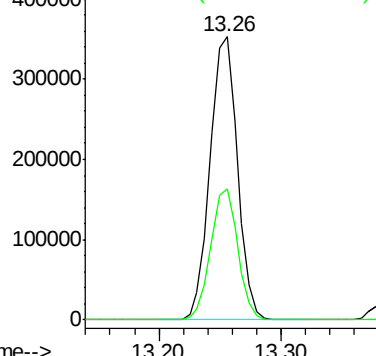
105 100

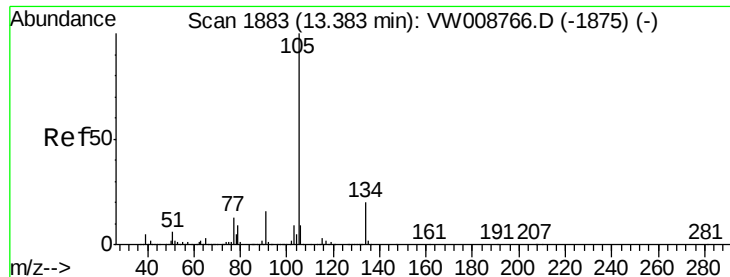
120 46.1 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.281 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

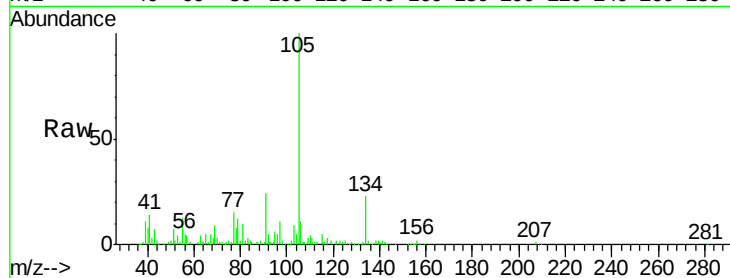
JC-03-030119-BRE

Tot Ion:105 Resp: 36518

Ion Ratio Lower Upper

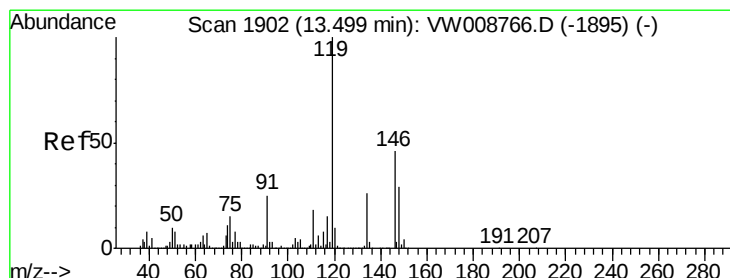
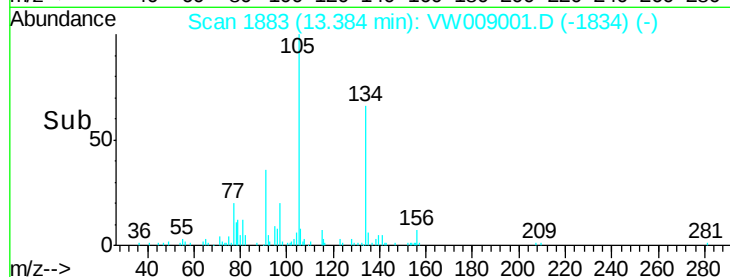
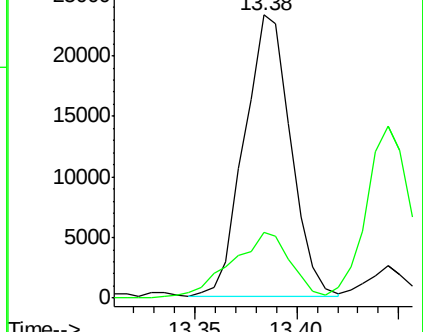
105 100

134 30.1 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.851 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

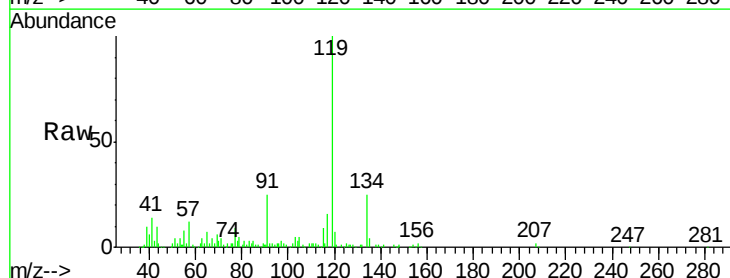
Tgt Ion:119 Resp: 49495

Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.3

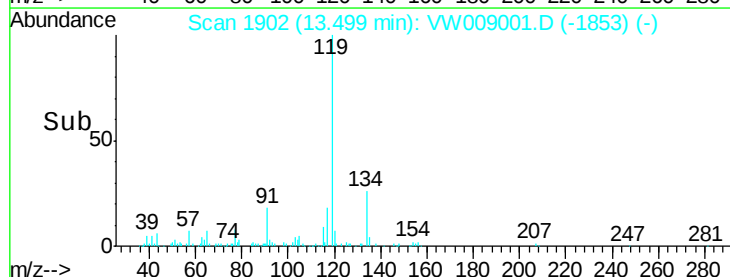
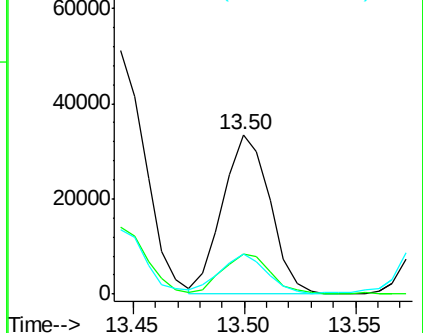
91 23.7 12.1 36.3

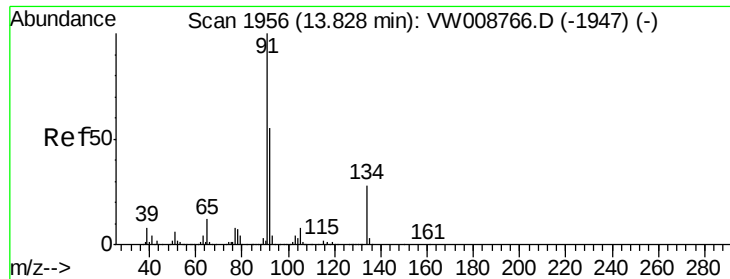


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 5.403 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-BRE

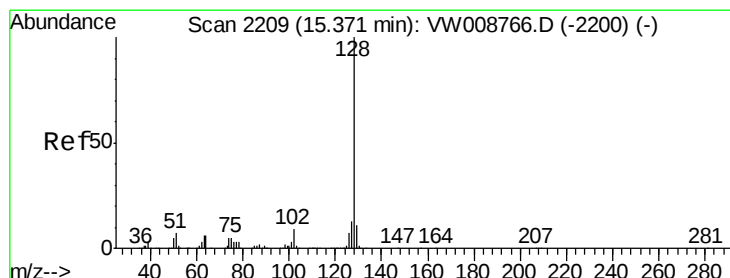
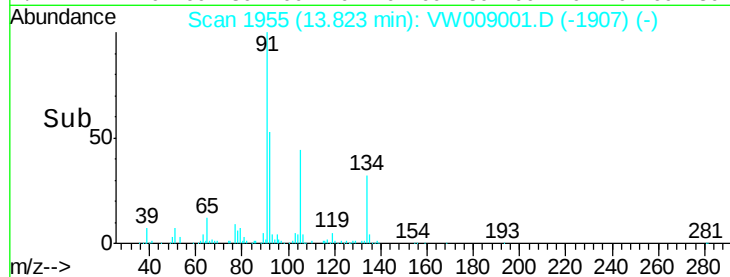
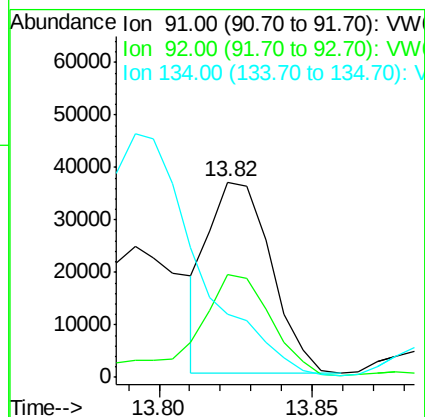
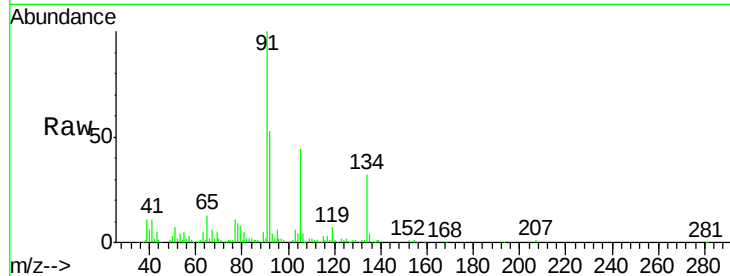
Tot Ion: 91 Resp: 51645

Ion Ratio Lower Upper

91 100

92 63.2 26.8 80.4

134 0.0 13.5 40.4#



#95

Naphthalene

Concen: 8.237 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Tgt Ion: 128 Resp: 45471

Ion Ratio Lower Upper

128 100

127 15.5 10.8 16.2

129 9.6 8.7 13.1

