

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008982.D
 Acq On : 05 Mar 2019 01:31
 Operator : SY/VA
 Sample : K1688-19
 Misc : 9.94G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Mar 05 07:42:41 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

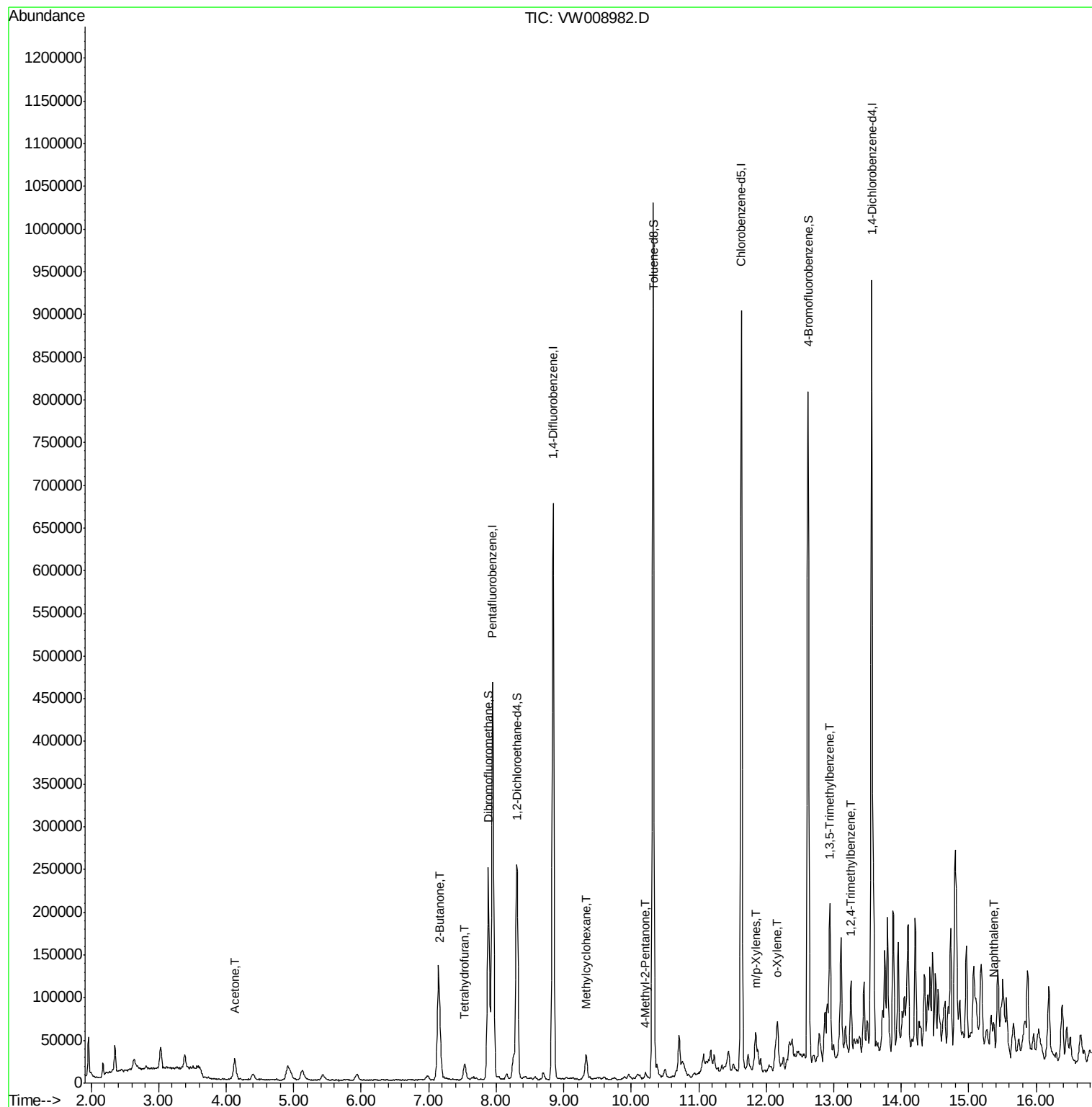
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	346355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	539543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	483228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	224281	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	192153	59.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.30%	
35) Dibromofluoromethane	7.88	113	165994	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
50) Toluene-d8	10.32	98	642804	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.62	95	223979	45.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.48%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	43631	57.945	ug/l	98
25) 2-Butanone	7.17	43	18187	17.276	ug/l #	88
29) Tetrahydrofuran	7.53	42	14662	21.855	ug/l	97
39) Methylcyclohexane	9.34	83	10723	1.637	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	4540	1.835	ug/l	94
68) m/p-Xylenes	11.85	106	8359	1.152	ug/l	92
69) o-Xylene	12.17	106	12885	1.892	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	62238	4.658	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	45908	3.319	ug/l	98
95) Naphthalene	15.37	128	12806	1.554	ug/l #	89

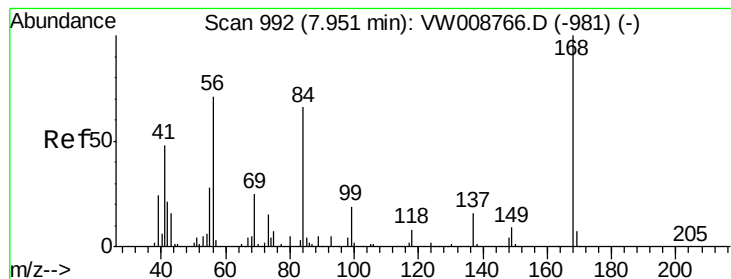
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
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: VW008982.D

Acq: 05 Mar 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

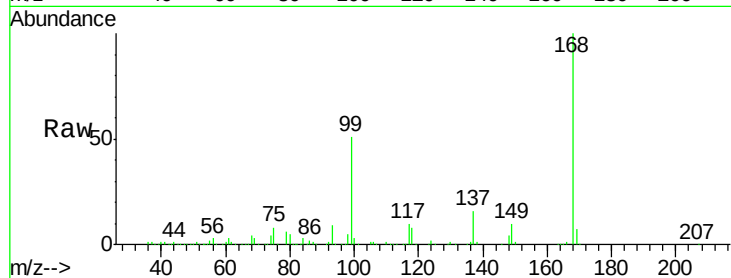
JC-03-030119-J

Tot Ion:168 Resp: 346355

Ion Ratio Lower Upper

168 100

99 50.9 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

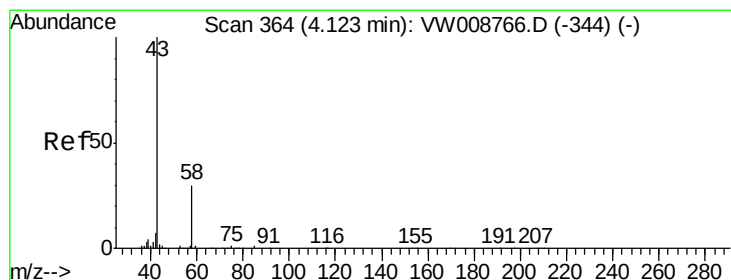
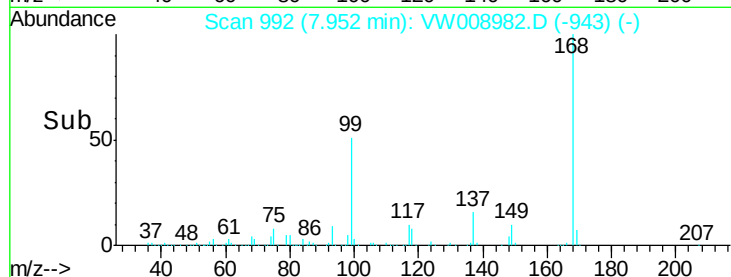
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 57.945 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008982.D

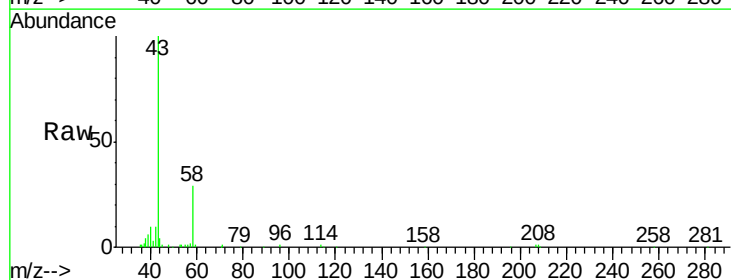
Acq: 05 Mar 2019 01:31

Tgt Ion: 43 Resp: 43631

Ion Ratio Lower Upper

43 100

58 28.7 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

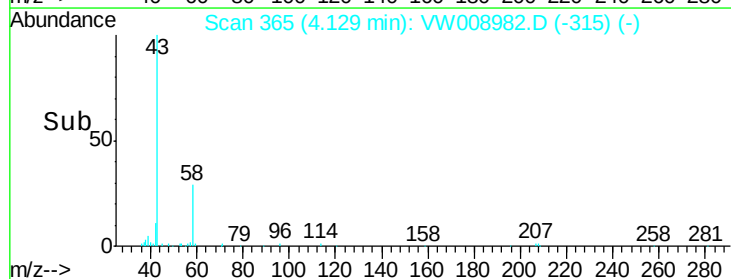
15000

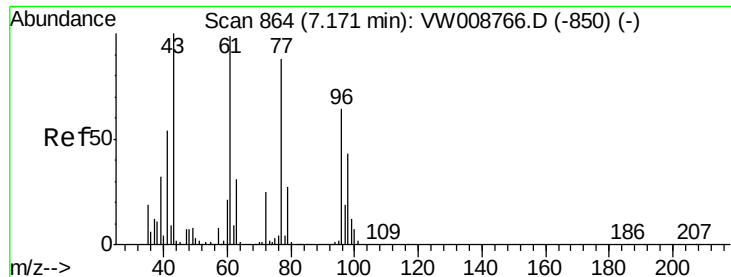
10000

5000

0

Time-->





#25

2-Butanone

Concen: 17.276 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008982.D

Acq: 05 Mar 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

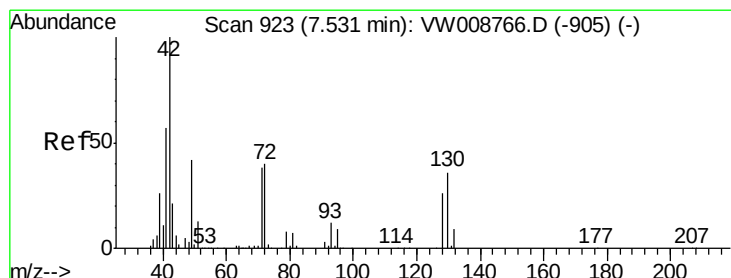
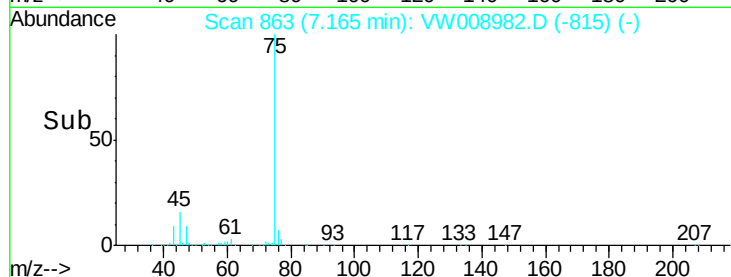
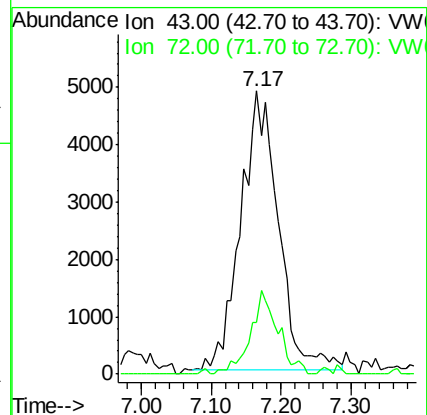
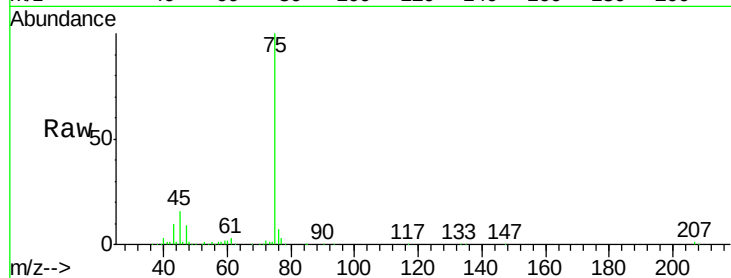
JC-03-030119-J

Tot Ion: 43 Resp: 18187

Ion Ratio Lower Upper

43 100

72 18.6 19.7 29.5#



#29

Tetrahydrofuran

Concen: 21.855 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008982.D

Acq: 05 Mar 2019 01:31

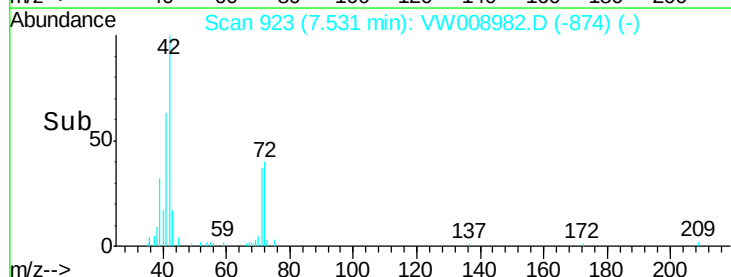
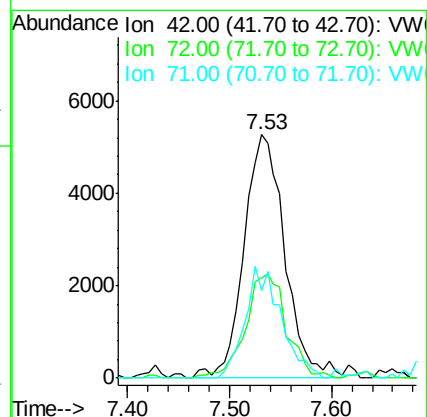
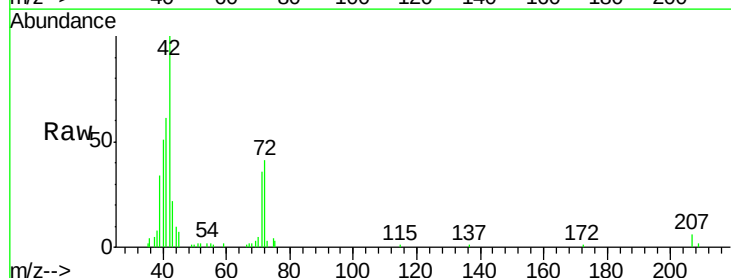
Tgt Ion: 42 Resp: 14662

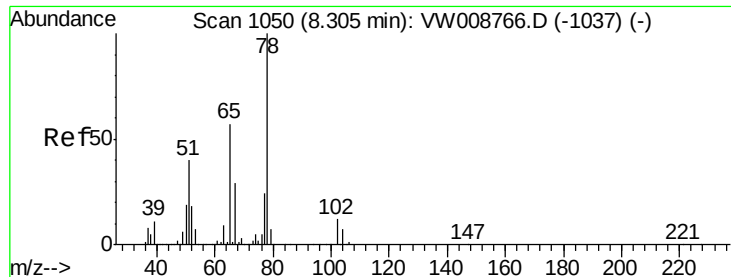
Ion Ratio Lower Upper

42 100

72 43.0 32.7 49.1

71 40.3 31.3 46.9

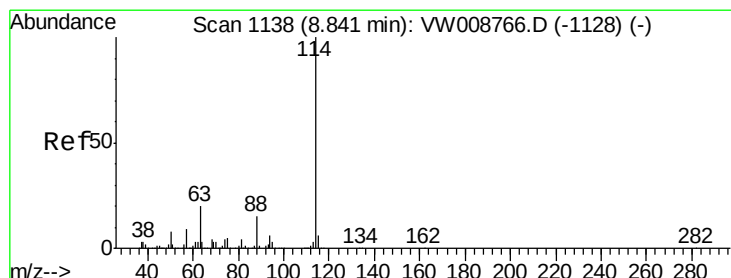
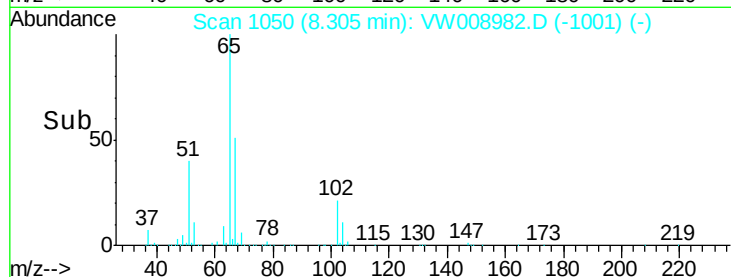
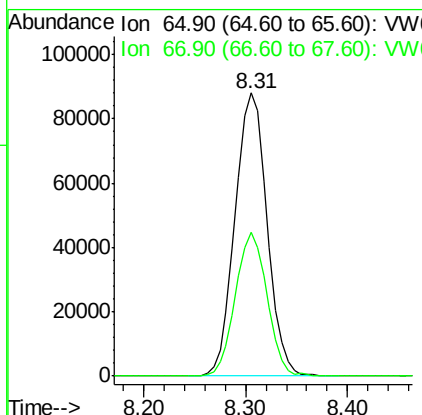
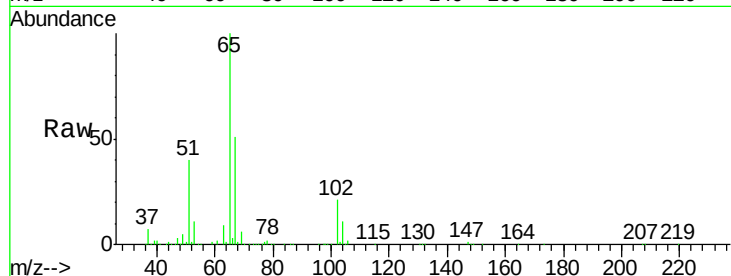




#33
 1,2-Dichloroethane-d4
 Concen: 59.151 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008982.D
 Acq: 05 Mar 2019 01:31

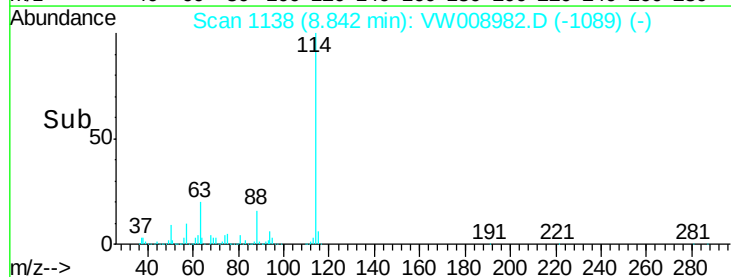
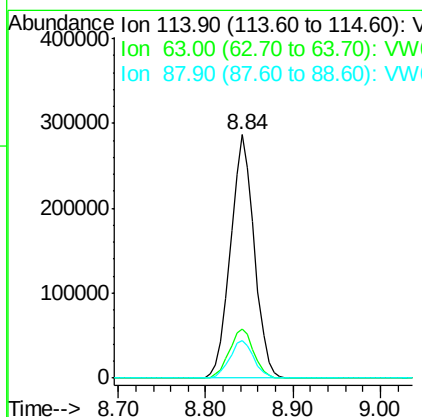
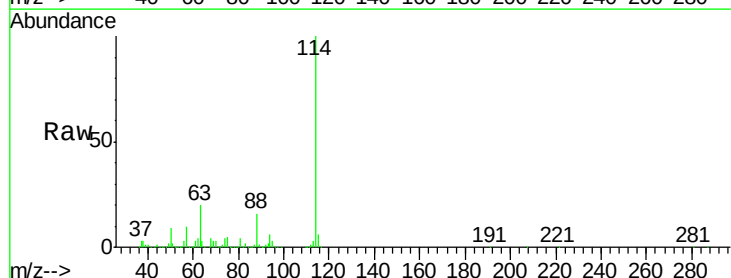
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-J

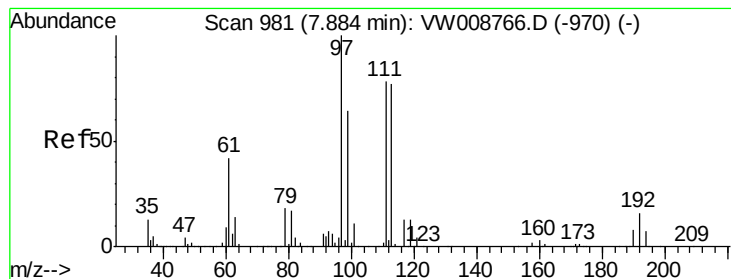
Tot Ion: 65 Resp: 192153
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008982.D
 Acq: 05 Mar 2019 01:31

Tgt Ion: 114 Resp: 539543
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.241 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008982.D

Acq: 05 Mar 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-J

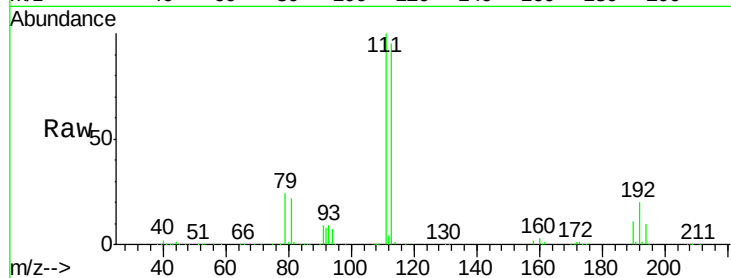
Tot Ion:113 Resp: 165994

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

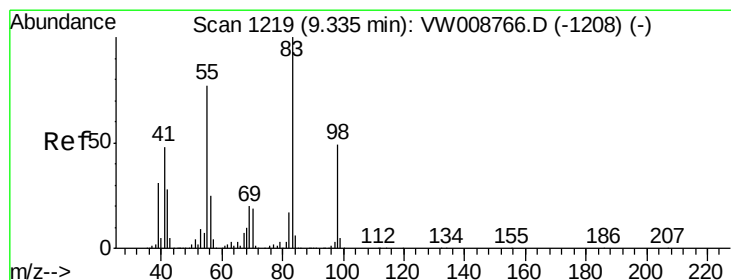
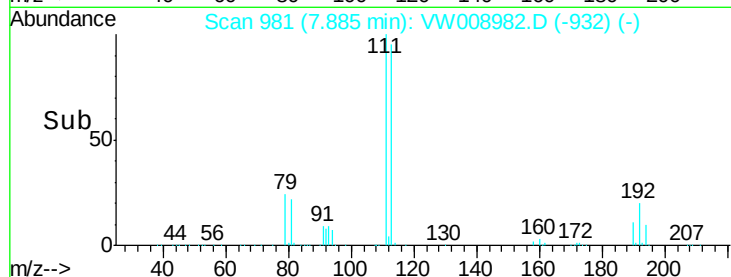
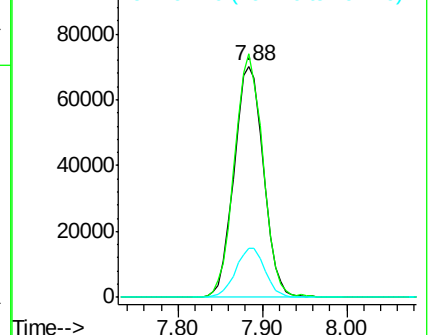
192 21.4 17.1 25.7



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



#39

Methylcyclohexane

Concen: 1.637 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW008982.D

Acq: 05 Mar 2019 01:31

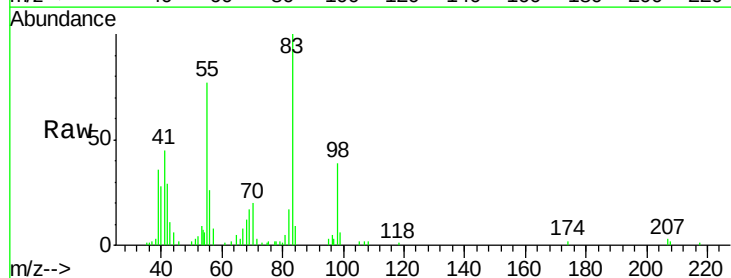
Tgt Ion: 83 Resp: 10723

Ion Ratio Lower Upper

83 100

55 77.0 61.2 91.8

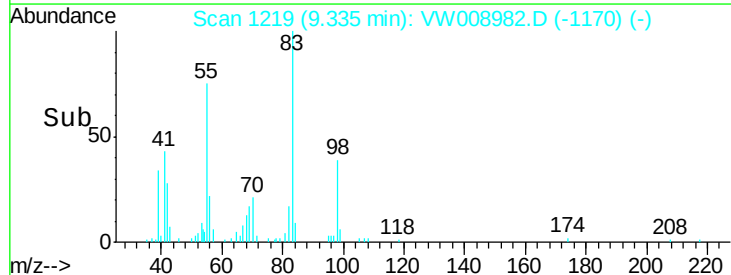
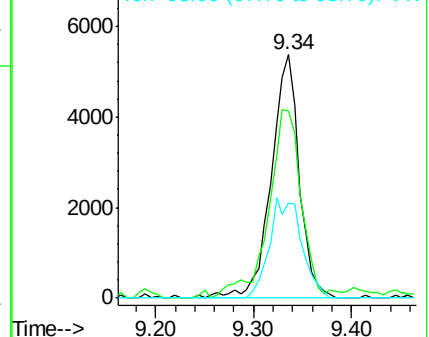
98 38.8 39.4 59.2#

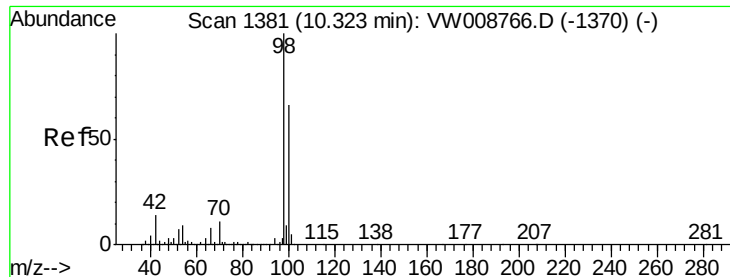


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 51.402 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008982.D

Acq: 05 Mar 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

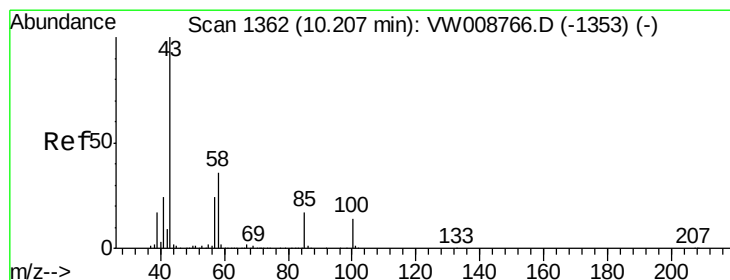
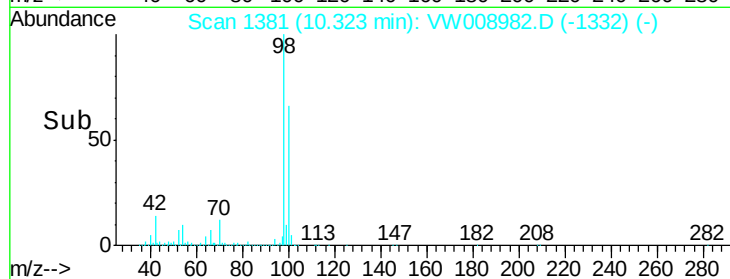
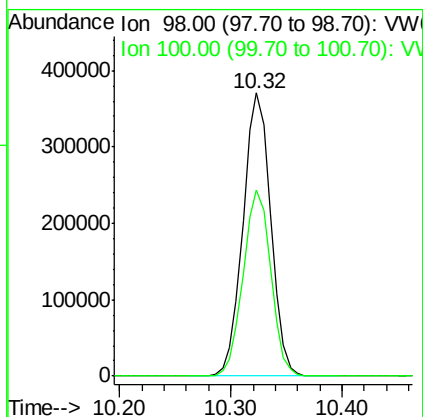
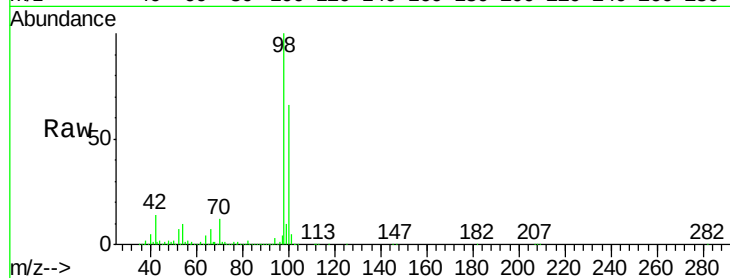
JC-03-030119-J

Tot Ion: 98 Resp: 642804

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.835 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008982.D

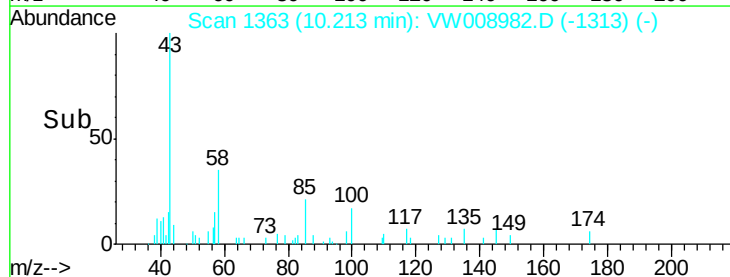
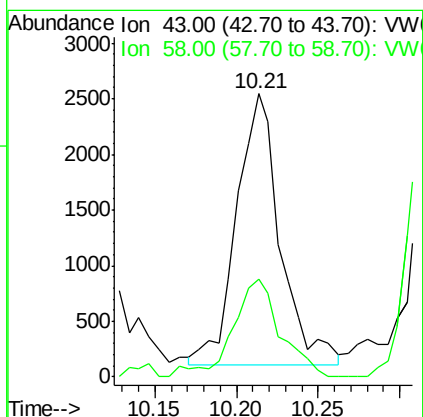
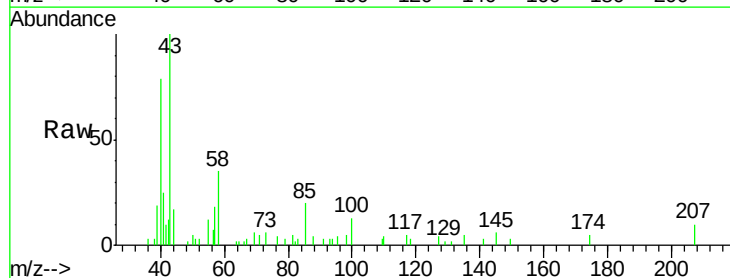
Acq: 05 Mar 2019 01:31

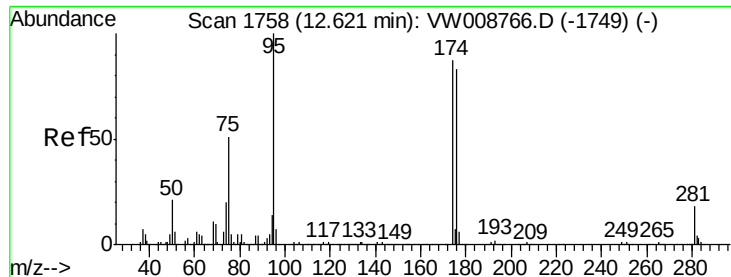
Tgt Ion: 43 Resp: 4540

Ion Ratio Lower Upper

43 100

58 39.9 29.1 43.7





#62

4-Bromofluorobenzene

Concen: 45.744 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008982.D

Acq: 05 Mar 2019 01:31

Instrument :

MSVOA_W

ClientSampled :

JC-03-030119-J

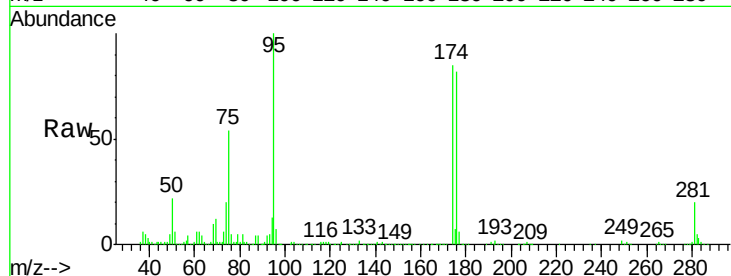
Tot Ion: 95 Resp: 223979

Ion Ratio Lower Upper

95 100

174 85.8 0.0 169.2

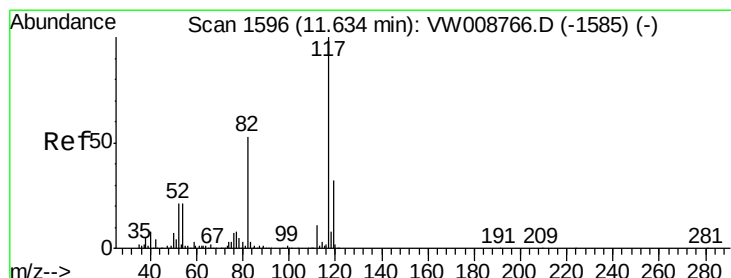
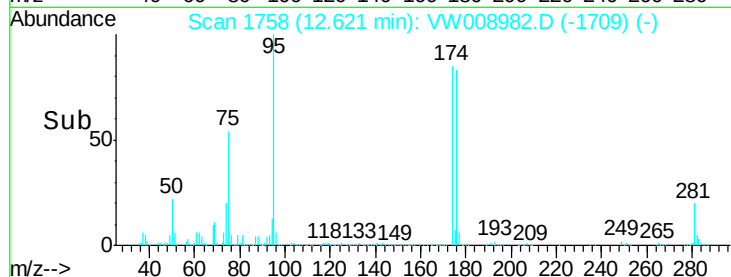
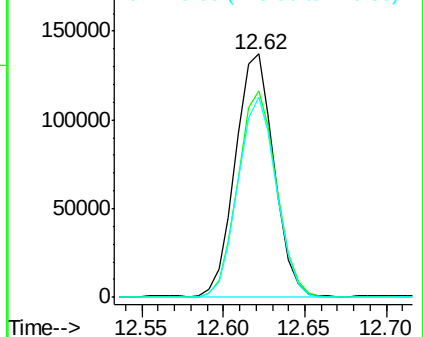
176 82.8 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008982.D

Acq: 05 Mar 2019 01:31

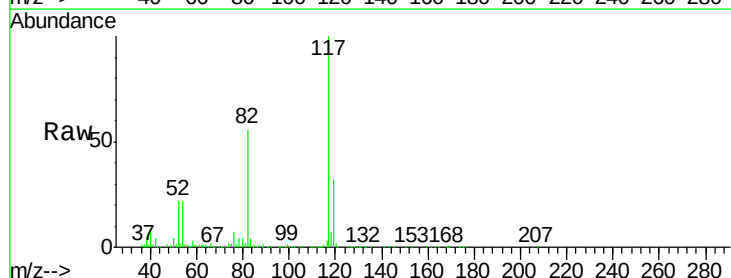
Tgt Ion: 117 Resp: 483228

Ion Ratio Lower Upper

117 100

82 55.6 42.2 63.4

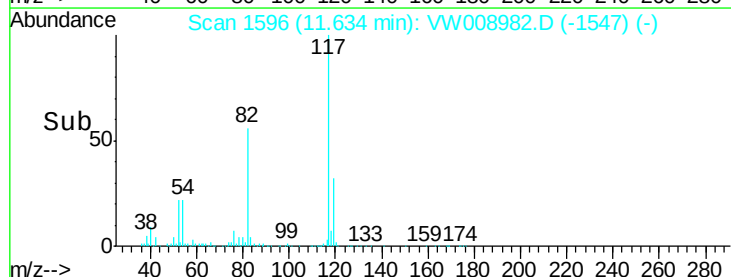
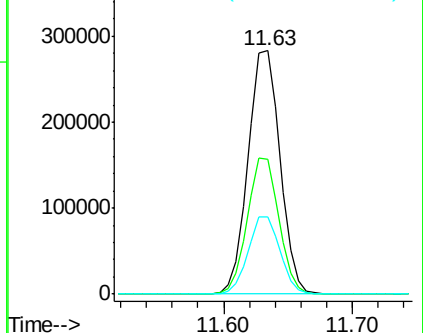
119 31.5 25.9 38.9

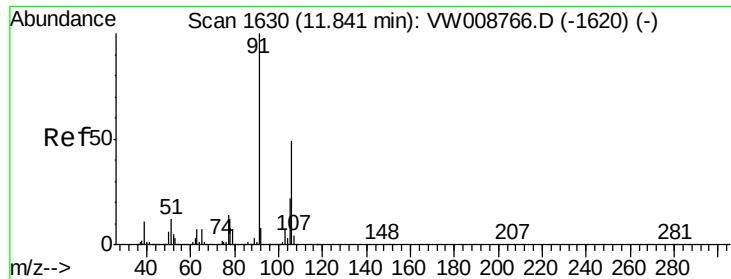


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

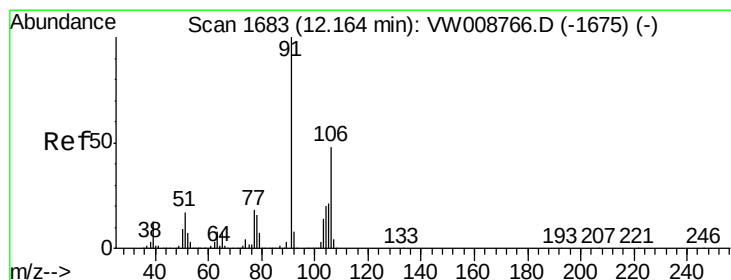
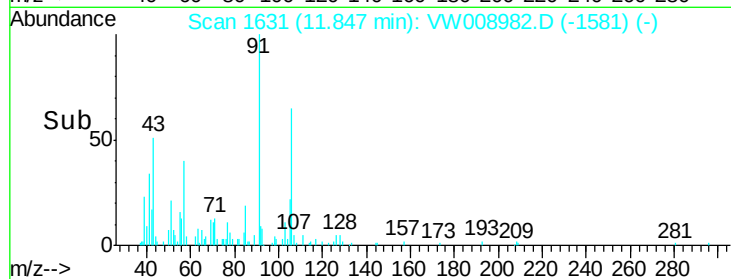
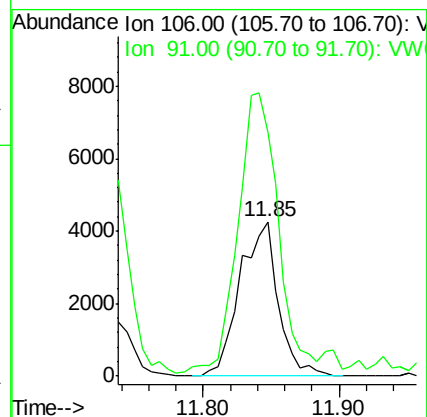
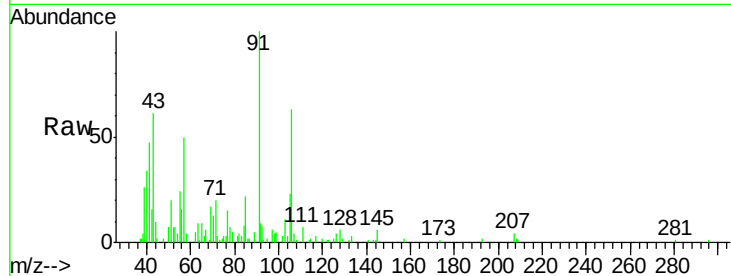




#68
m/p-Xylenes
Concen: 1.152 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW008982.D
Acq: 05 Mar 2019 01:31

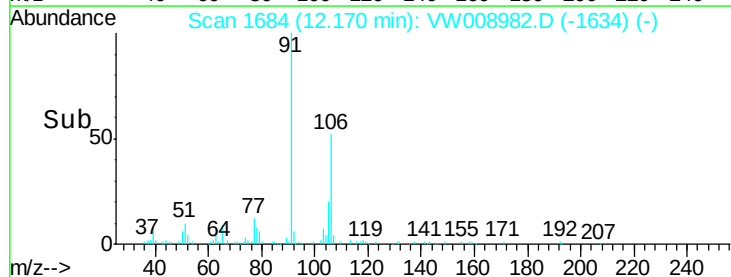
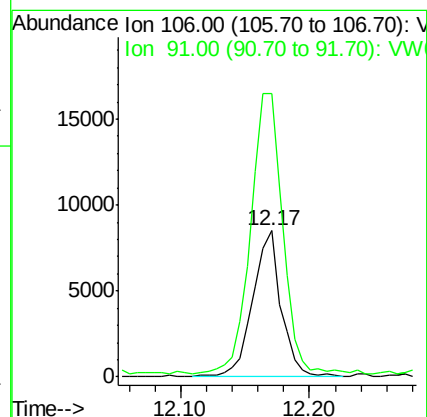
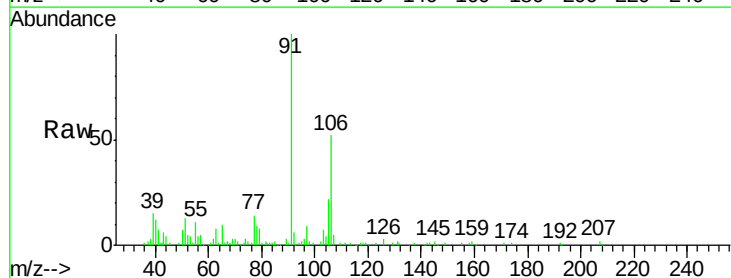
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-J

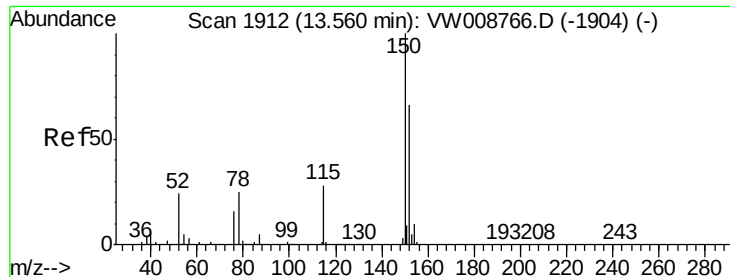
Tot Ion:106 Resp: 8359
Ion Ratio Lower Upper
106 100
91 189.0 161.5 242.3



#69
o-Xylene
Concen: 1.892 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008982.D
Acq: 05 Mar 2019 01:31

Tgt Ion:106 Resp: 12885
Ion Ratio Lower Upper
106 100
91 217.5 106.2 318.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008982.D

Acq: 05 Mar 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-J

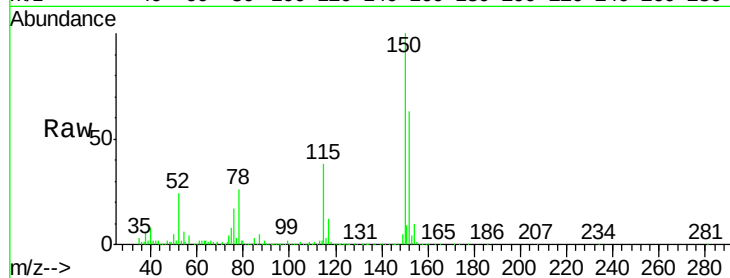
Tot Ion:152 Resp: 224281

Ion Ratio Lower Upper

152 100

115 59.6 28.6 85.8

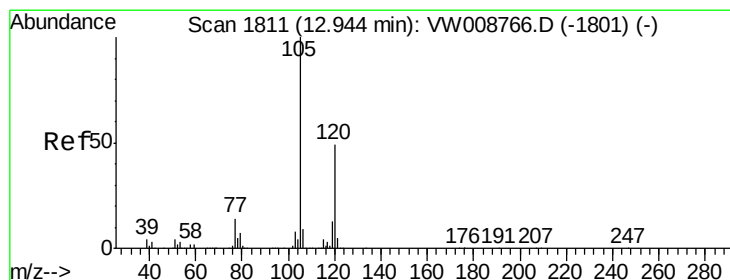
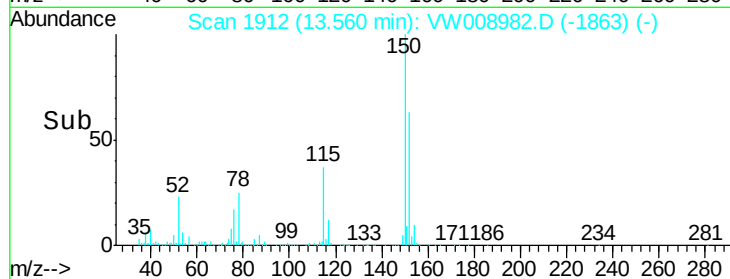
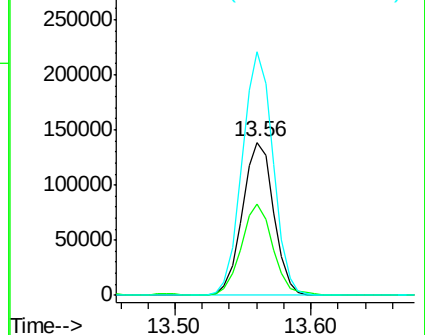
150 155.8 0.0 348.0



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



#80

1,3,5-Trimethylbenzene

Concen: 4.658 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008982.D

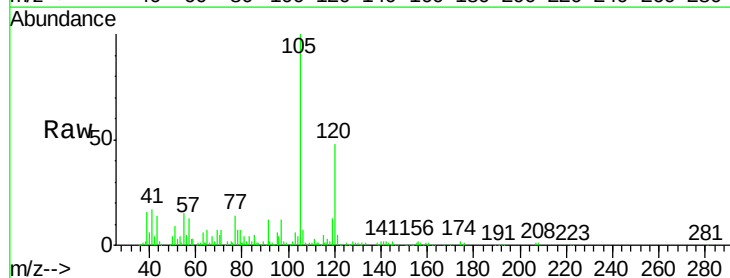
Acq: 05 Mar 2019 01:31

Tgt Ion:105 Resp: 62238

Ion Ratio Lower Upper

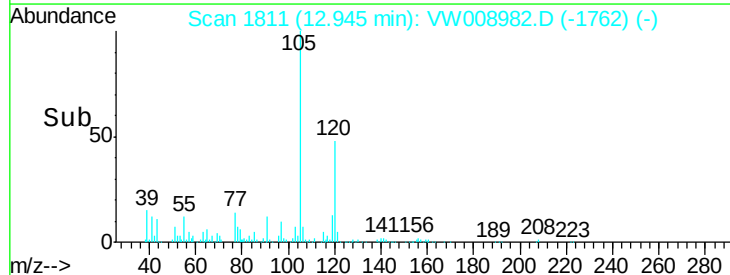
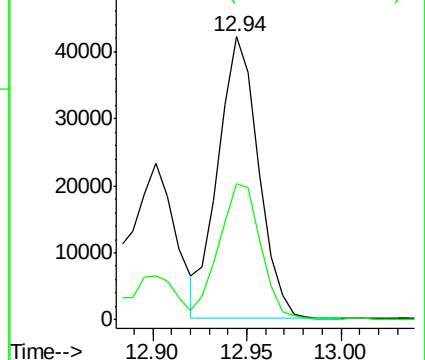
105 100

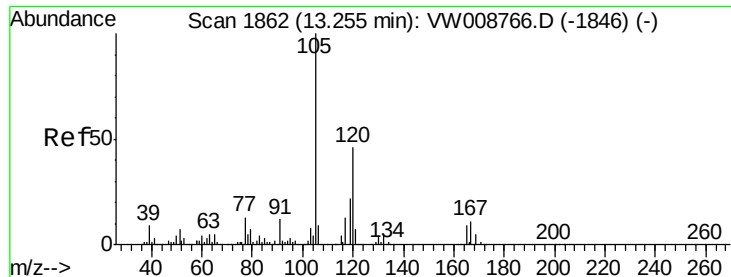
120 49.9 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

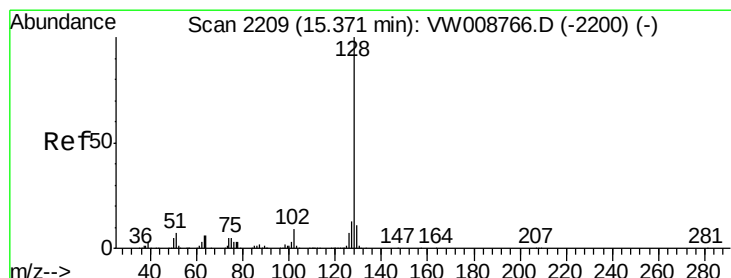
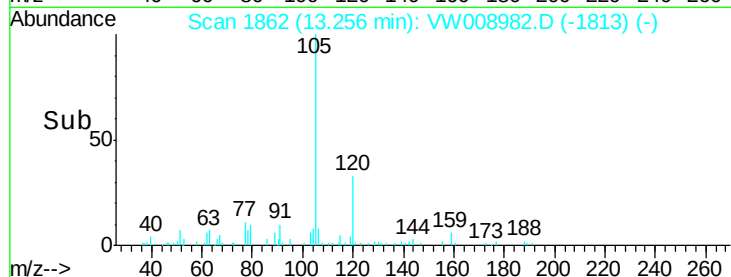
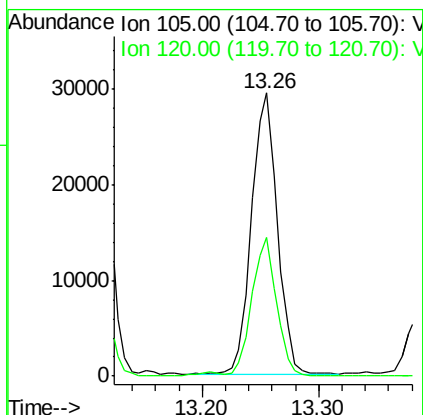
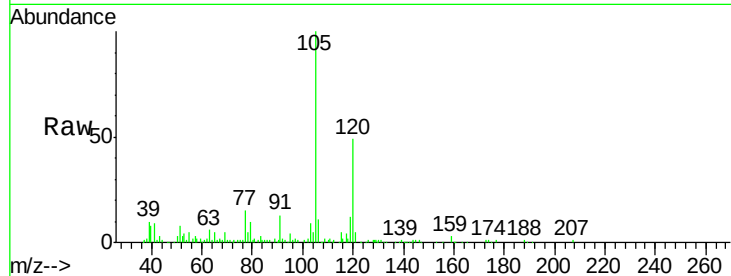




#84
 1,2,4-Trimethylbenzene
 Concen: 3.319 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008982.D
 Acq: 05 Mar 2019 01:31

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

Tot Ion:105 Resp: 45908
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.8 68.4



#95
 Naphthalene
 Concen: 1.554 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW008982.D
 Acq: 05 Mar 2019 01:31

Tgt Ion:128 Resp: 12806
 Ion Ratio Lower Upper
 128 100
 127 20.5 10.8 16.2#
 129 10.2 8.7 13.1

