

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008979.D
 Acq On : 05 Mar 2019 00:10
 Operator : SY/VA
 Sample : K1688-13
 Misc : 7.25G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Mar 05 07:33:36 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	322245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	510050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	414501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147591	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	181672	60.11	ug/l	0.00
Spiked Amount			Recovery	=	120.22%	
35) Dibromofluoromethane	7.88	113	160317	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	10.32	98	587628	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.62	95	174655	37.73	ug/l	0.00
Spiked Amount			Recovery	=	75.46%	

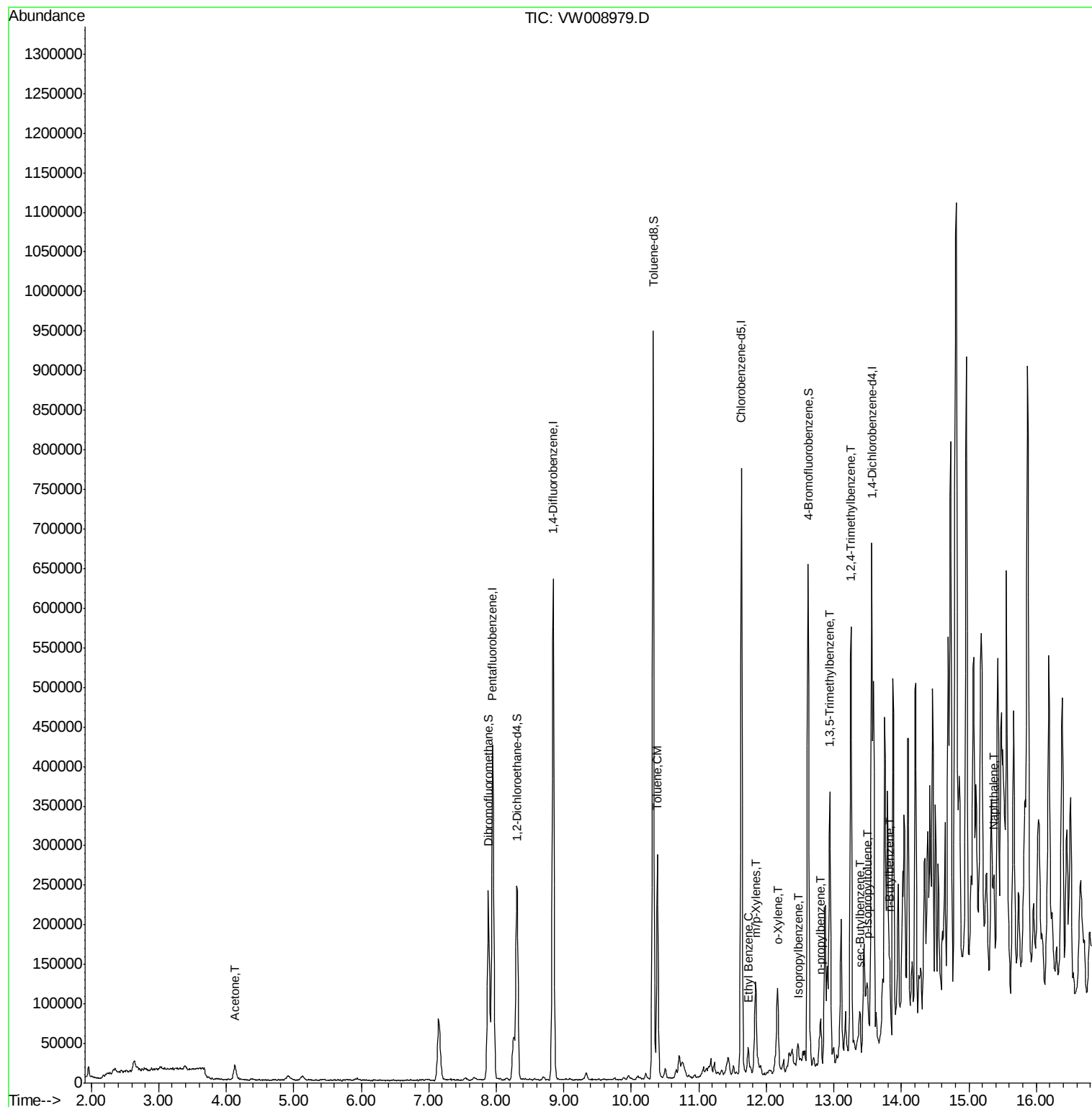
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	31271	44.637	ug/l	95
52) Toluene	10.39	92	117610	12.784	ug/l	99
67) Ethyl Benzene	11.73	91	20496	1.315	ug/l	91
68) m/p-Xylenes	11.84	106	23164	3.721	ug/l	96
69) o-Xylene	12.17	106	26398	4.518	ug/l	99
73) Isopropylbenzene	12.47	105	15219	1.504	ug/l	100
78) n-propylbenzene	12.80	91	42208	3.410	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	115408	13.125	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	286152	31.439	ug/l	100
85) sec-Butylbenzene	13.39	105	29964	2.741	ug/l	80
86) p-Isopropyltoluene	13.50	119	30256	3.019	ug/l	94
89) n-Butylbenzene	13.83	91	44718	4.763	ug/l #	73
95) Naphthalene	15.37	128	57938	10.685	ug/l	96

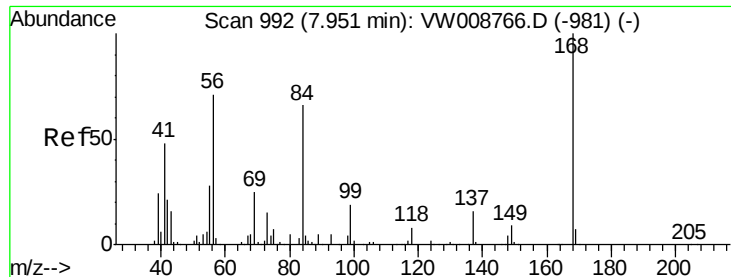
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008979.D

Acq: 05 Mar 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

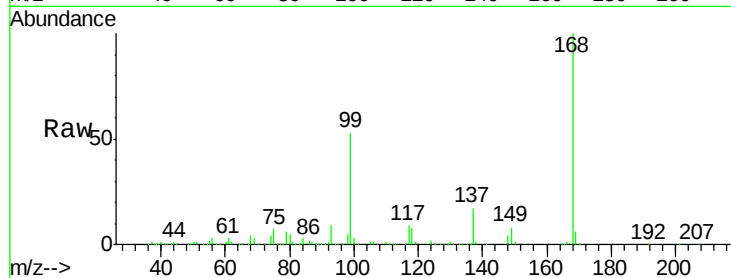
JC-03-030119-G

Tot Ion:168 Resp: 322245

Ion Ratio Lower Upper

168 100

99 52.7 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

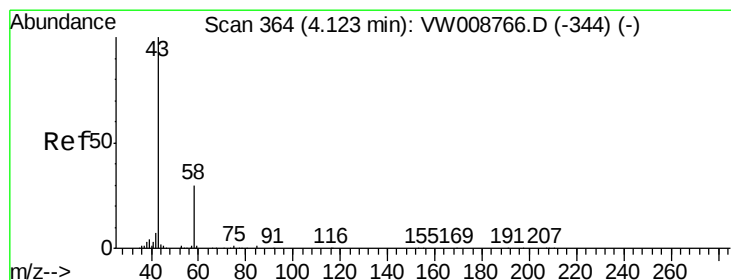
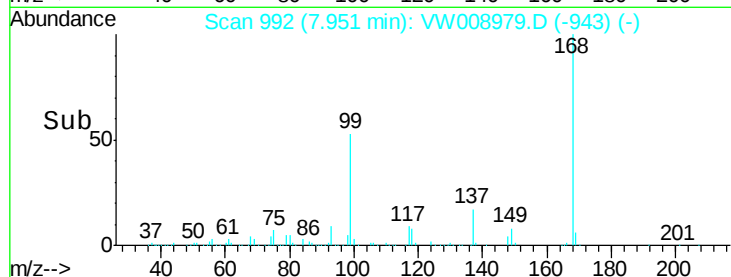
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 44.637 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008979.D

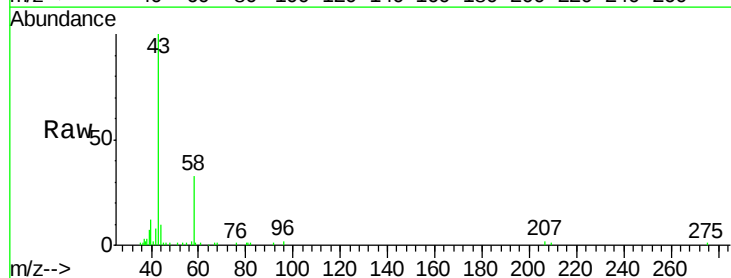
Acq: 05 Mar 2019 00:10

Tgt Ion: 43 Resp: 31271

Ion Ratio Lower Upper

43 100

58 32.4 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

12000

10000

8000

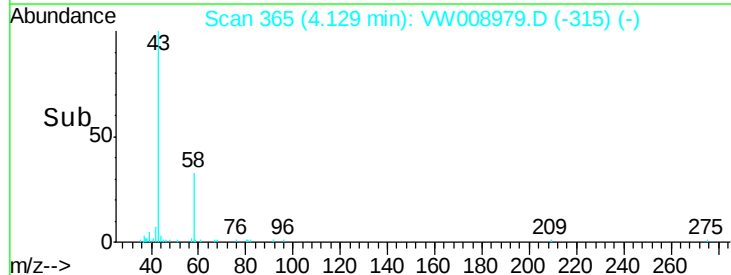
6000

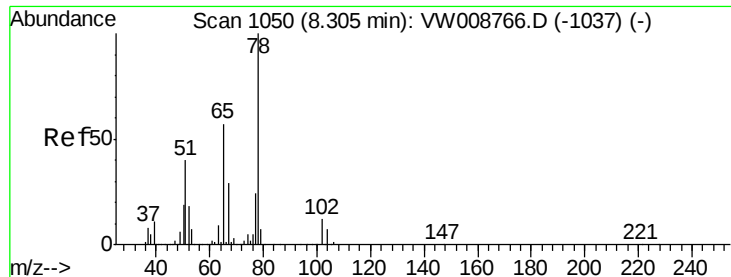
4000

2000

0

Time--> 4.05 4.10 4.15 4.20 4.25





#33

1,2-Dichloroethane-d4

Concen: 60.109 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008979.D

Acq: 05 Mar 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

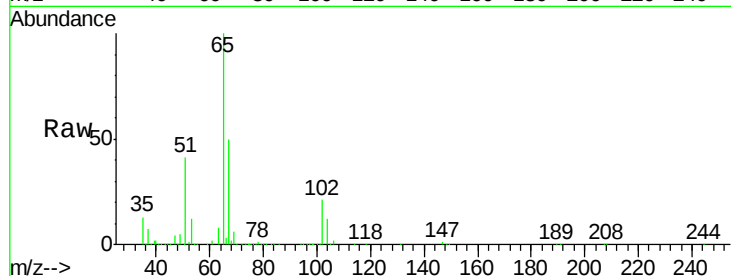
JC-03-030119-G

Tot Ion: 65 Resp: 181672

Ion Ratio Lower Upper

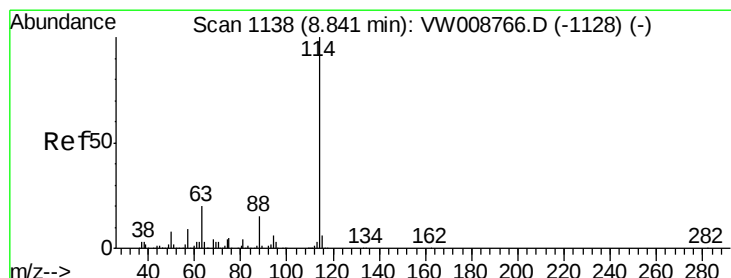
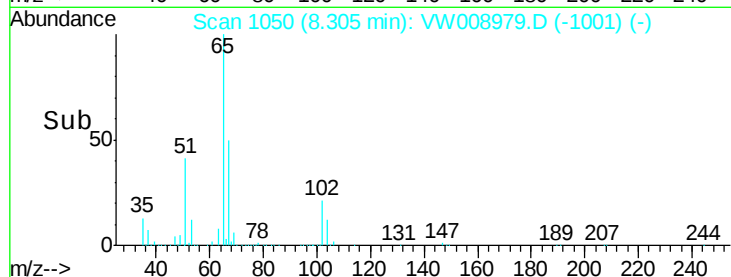
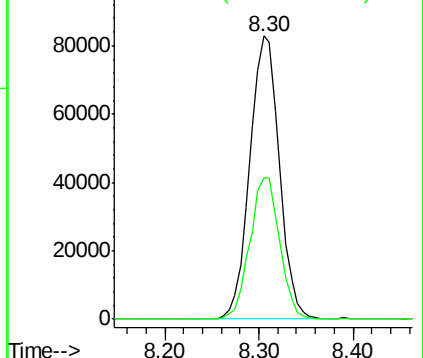
65 100

67 50.3 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: VW008979.D

Acq: 05 Mar 2019 00:10

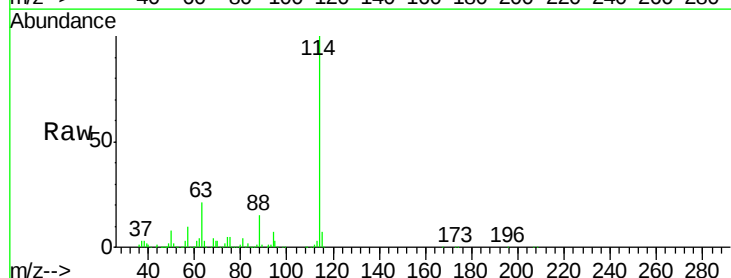
Tgt Ion: 114 Resp: 510050

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

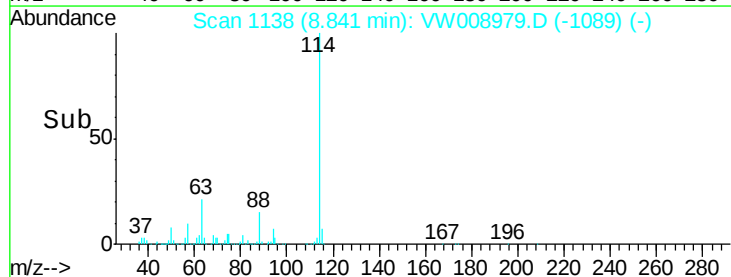
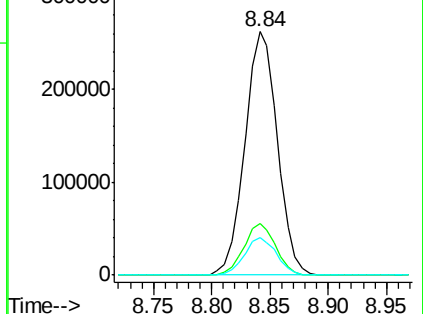
88 15.3 0.0 30.4

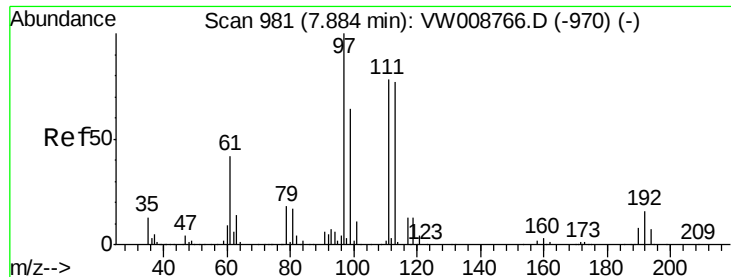


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

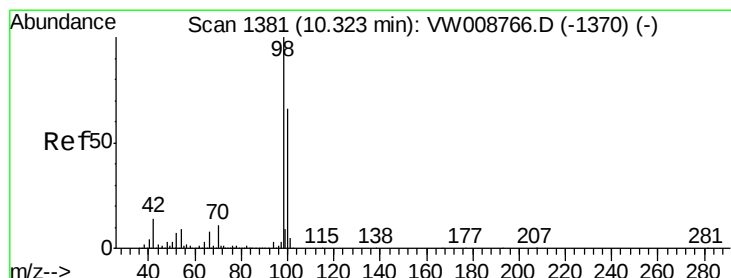
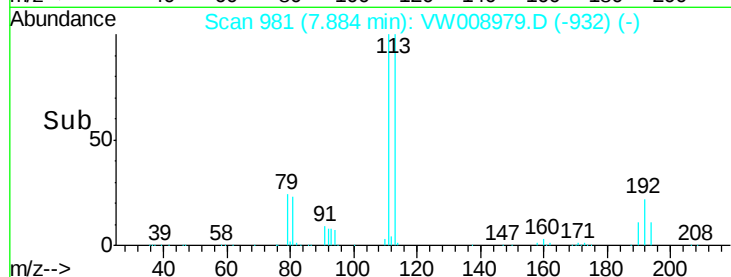
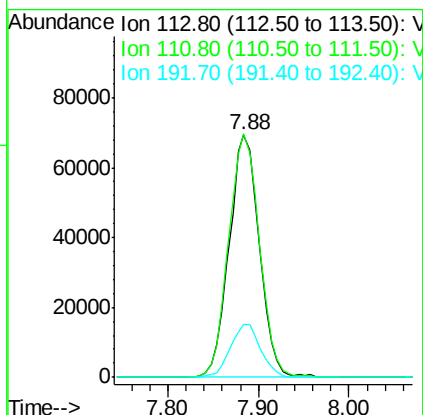
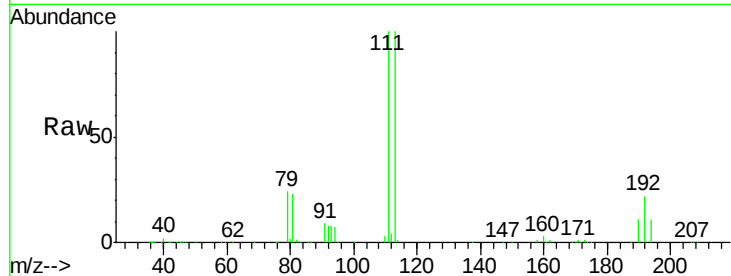




#35
Dibromofluoromethane
Concen: 52.350 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW008979.D
Acq: 05 Mar 2019 00:10

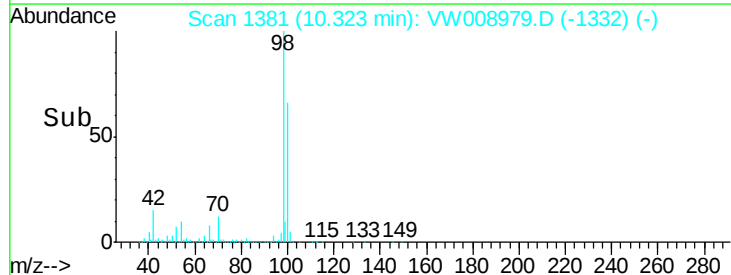
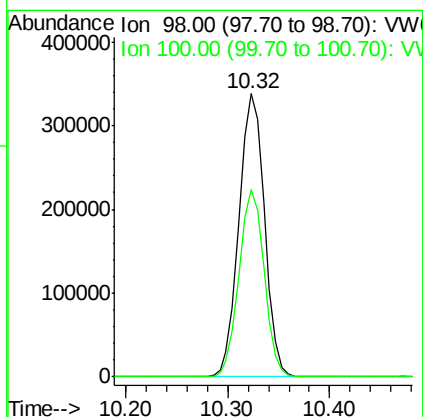
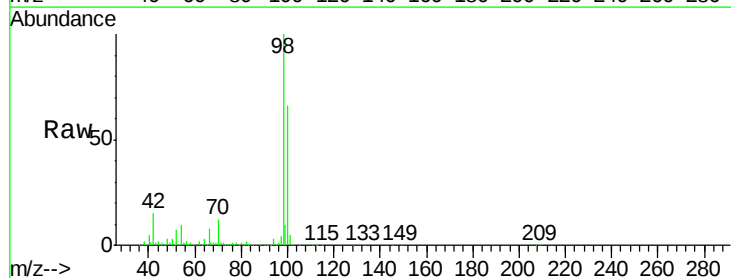
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-G

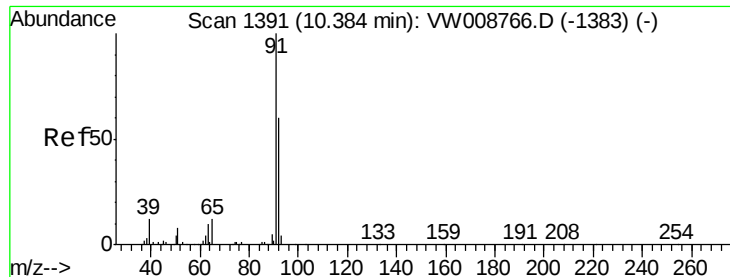
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	22.0	17.1	25.7



#50
Toluene-d8
Concen: 49.707 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008979.D
Acq: 05 Mar 2019 00:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6





#52

Toluene

Concen: 12.784 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008979.D

Acq: 05 Mar 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

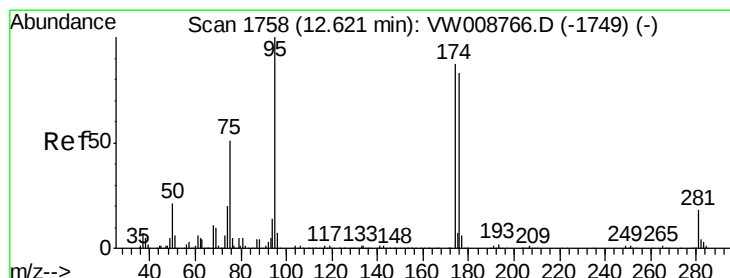
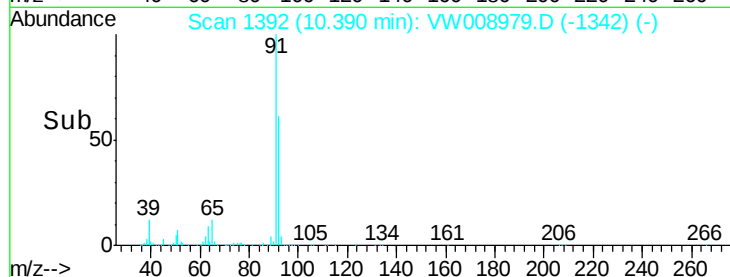
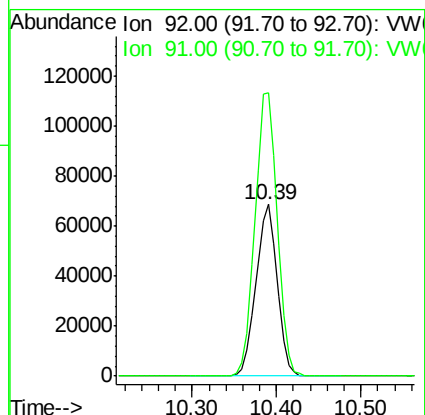
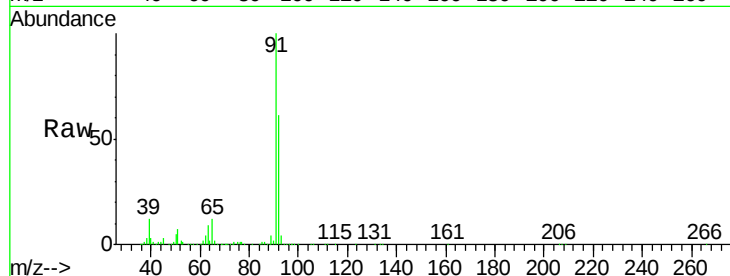
JC-03-030119-G

Tot Ion: 92 Resp: 117610

Ion Ratio Lower Upper

92 100

91 172.5 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 37.733 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008979.D

Acq: 05 Mar 2019 00:10

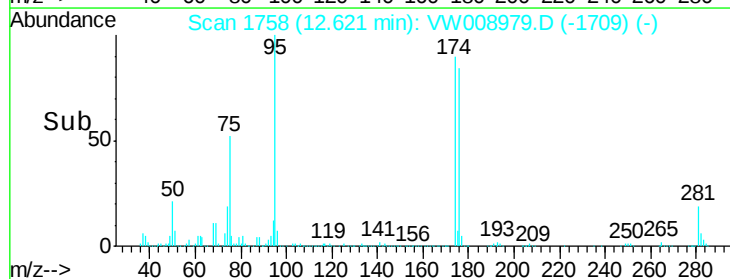
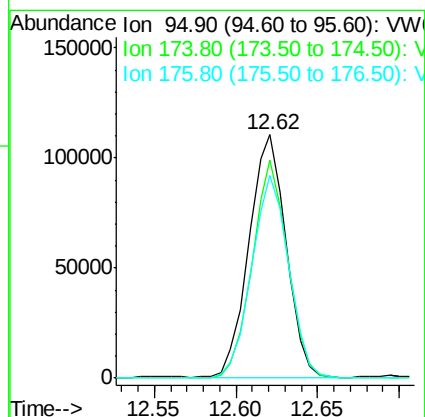
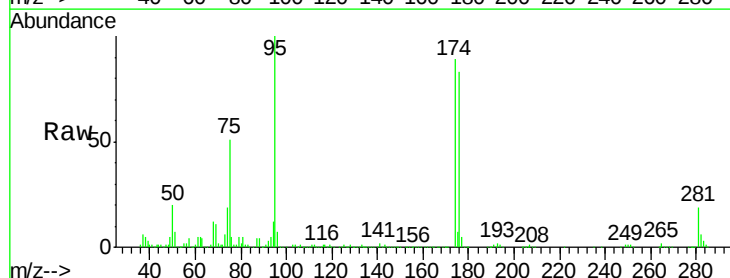
Tgt Ion: 95 Resp: 174655

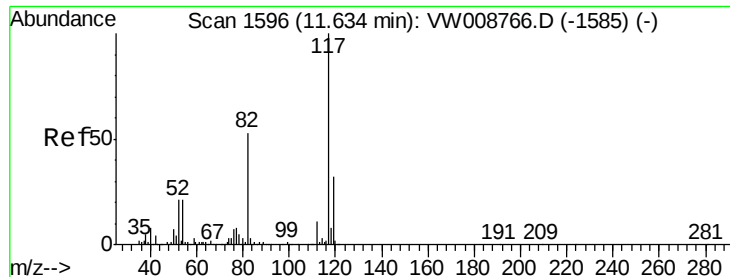
Ion Ratio Lower Upper

95 100

174 86.1 0.0 169.2

176 83.4 0.0 163.6

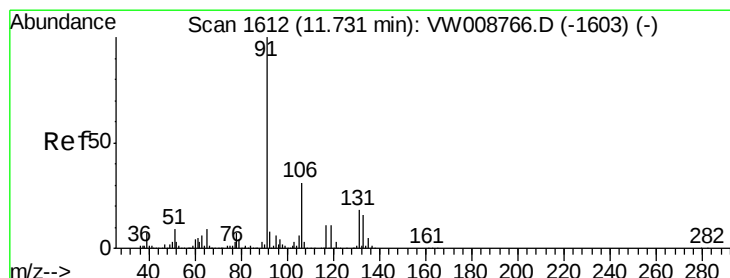
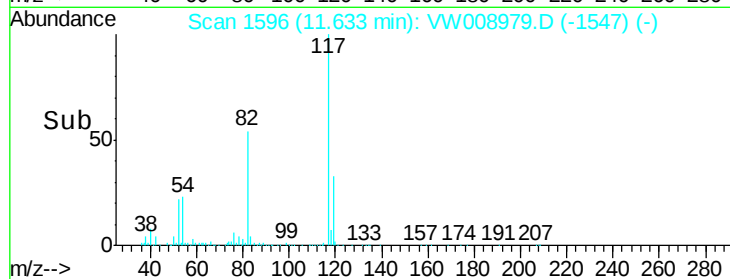
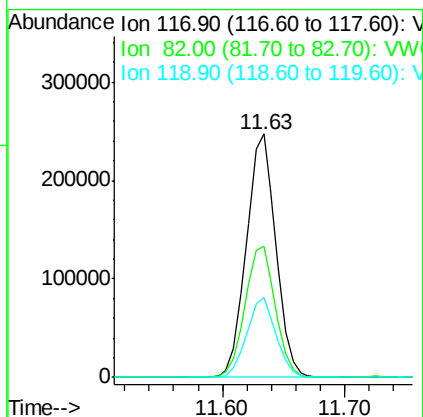
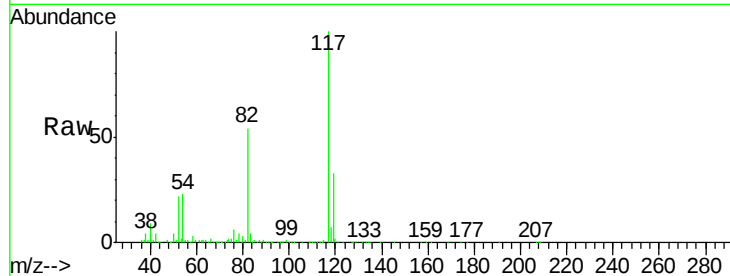




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008979.D
Acq: 05 Mar 2019 00:10

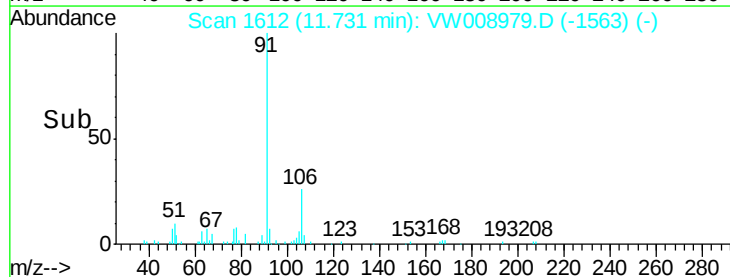
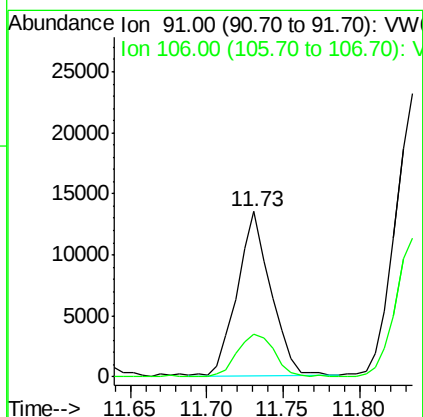
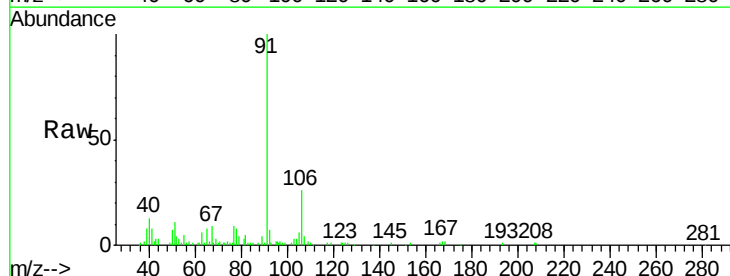
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-G

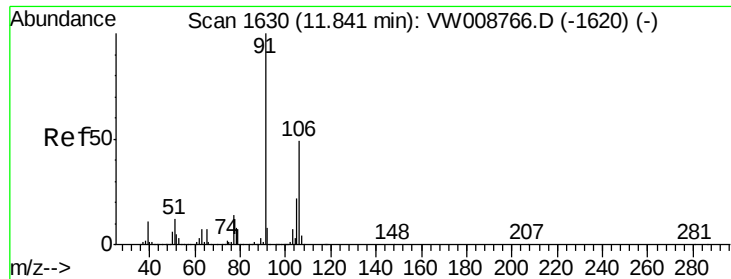
Tot Ion:117 Resp: 414501
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.4
119 32.9 25.9 38.9



#67
Ethyl Benzene
Concen: 1.315 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008979.D
Acq: 05 Mar 2019 00:10

Tgt Ion: 91 Resp: 20496
Ion Ratio Lower Upper
91 100
106 26.3 25.0 37.6





#68

m/p-Xvlenes

Concen: 3.721 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW008979.D

Acq: 05 Mar 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

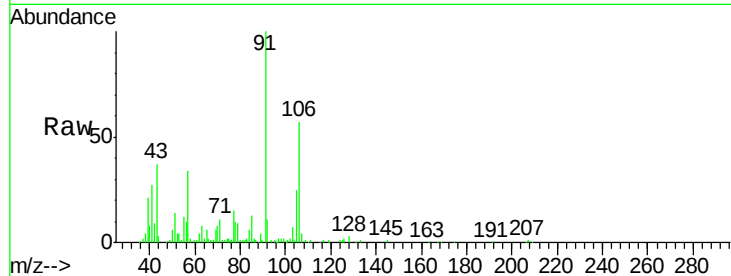
JC-03-030119-G

Tot Ion:106 Resp: 23164

Ion Ratio Lower Upper

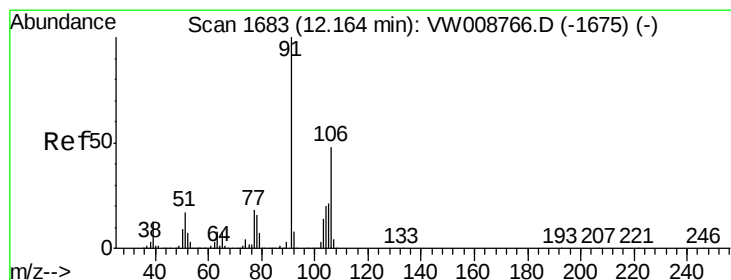
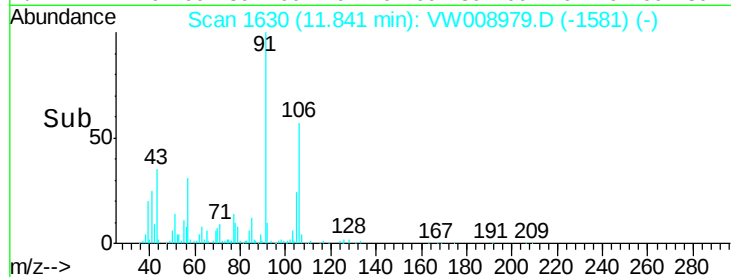
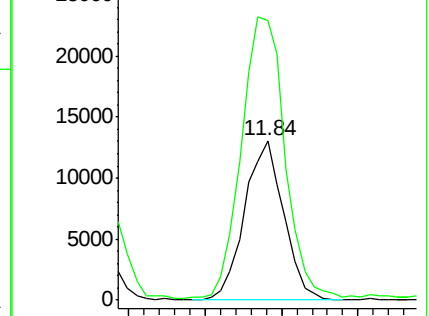
106 100

91 195.5 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 4.518 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW008979.D

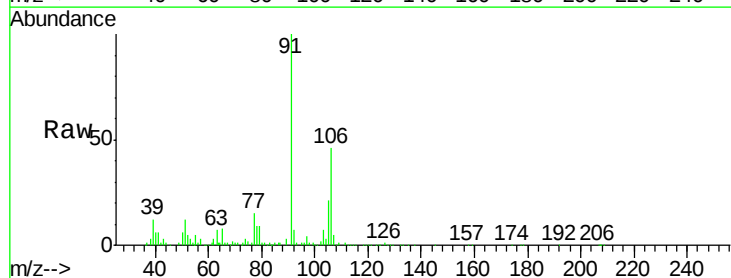
Acq: 05 Mar 2019 00:10

Tgt Ion:106 Resp: 26398

Ion Ratio Lower Upper

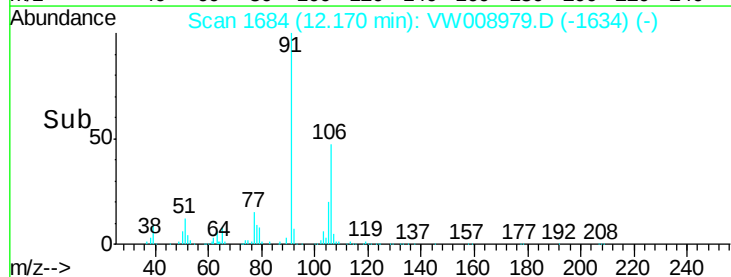
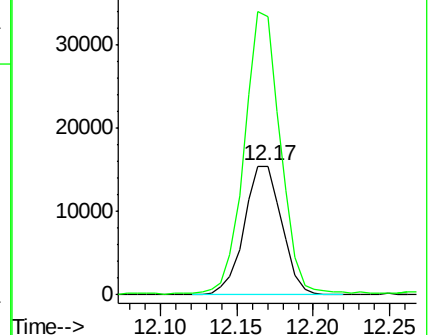
106 100

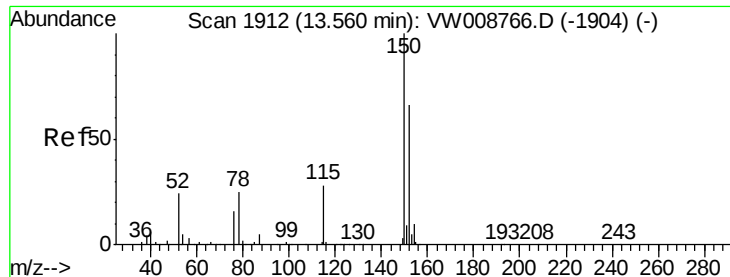
91 210.1 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



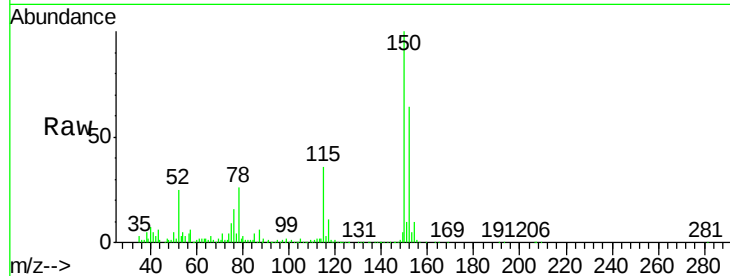


#72

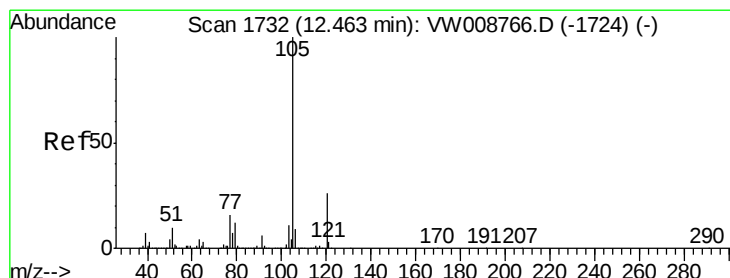
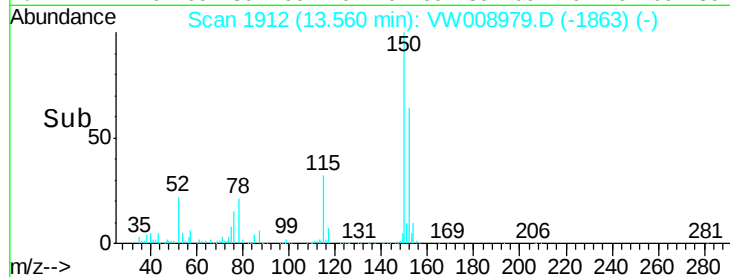
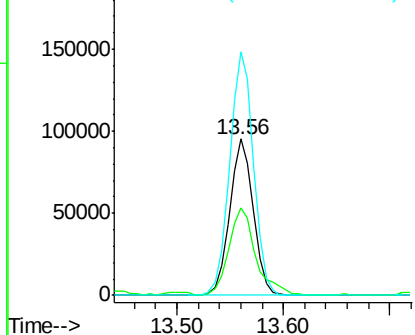
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008979.D
Acq: 05 Mar 2019 00:10

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

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.8	28.6	85.8
150	157.0	0.0	348.0



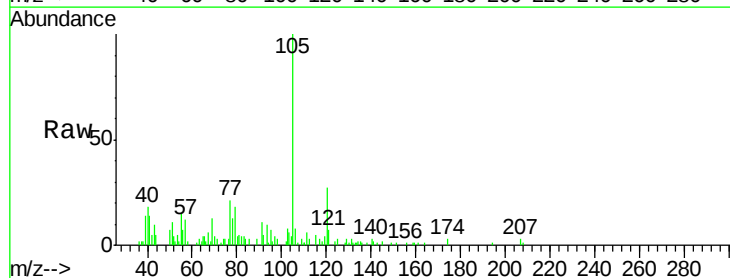
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



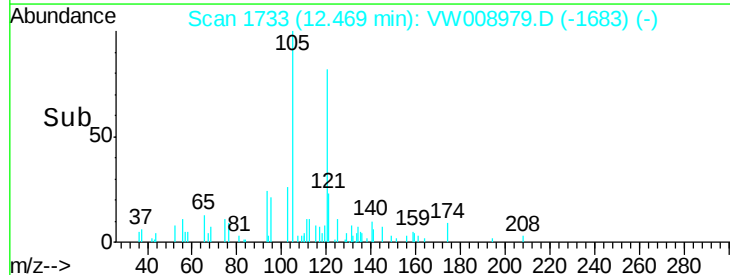
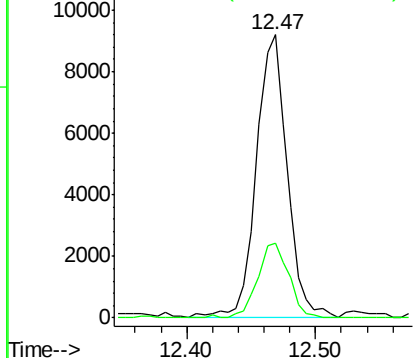
#73

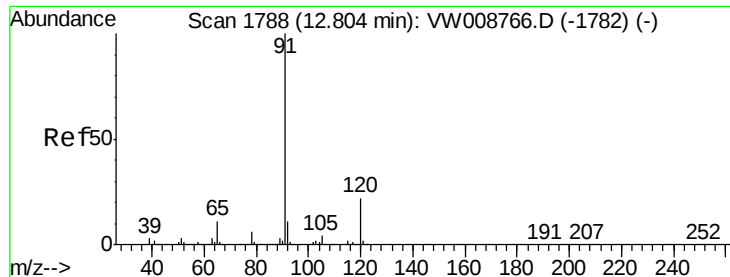
Isopropylbenzene
Concen: 1.504 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW008979.D
Acq: 05 Mar 2019 00:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	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: 3.410 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008979.D

Acq: 05 Mar 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

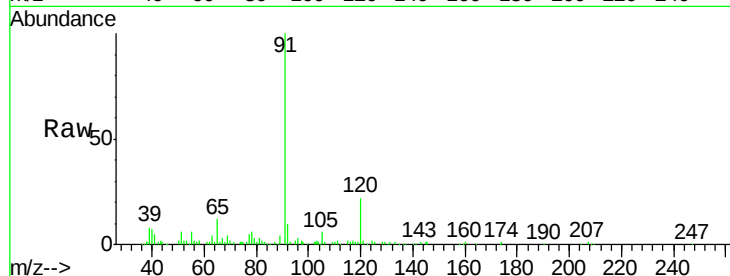
JC-03-030119-G

Tot Ion: 91 Resp: 42208

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.80

25000

20000

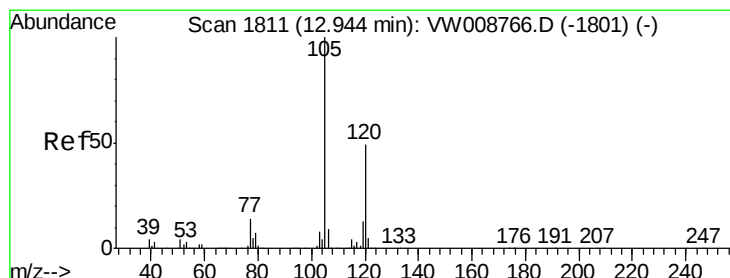
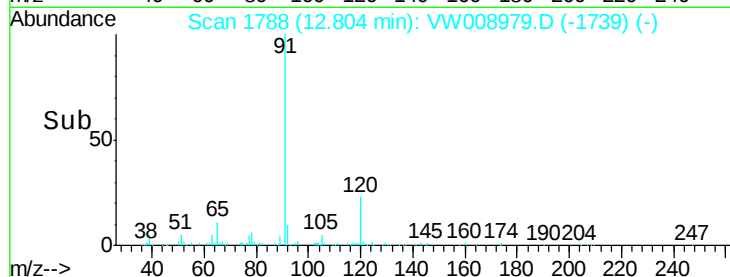
15000

10000

5000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 13.125 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008979.D

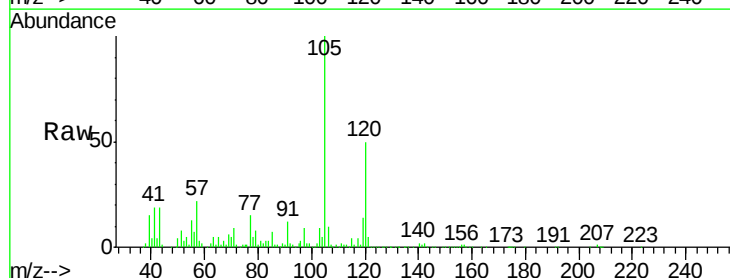
Acq: 05 Mar 2019 00:10

Tgt Ion:105 Resp: 115408

Ion Ratio Lower Upper

105 100

120 49.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.94

80000

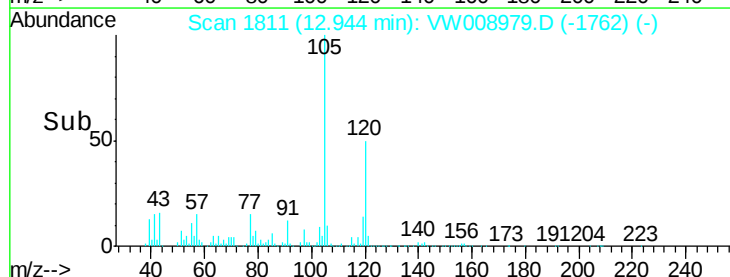
60000

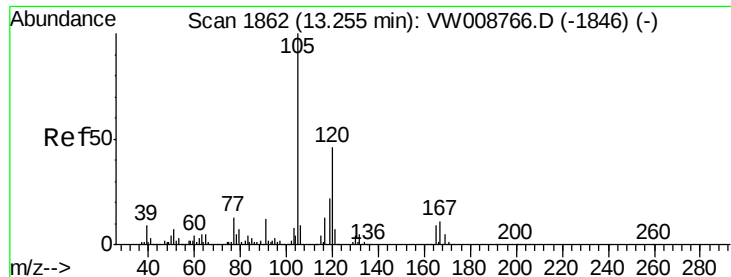
40000

20000

0

Time-->

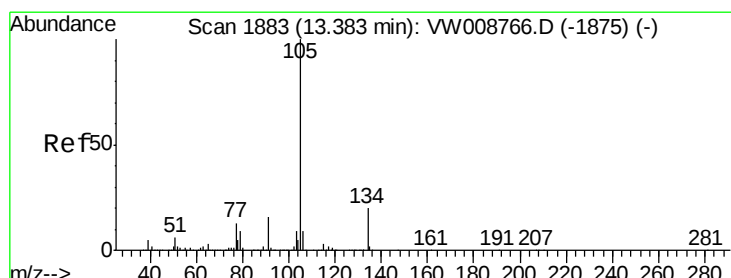
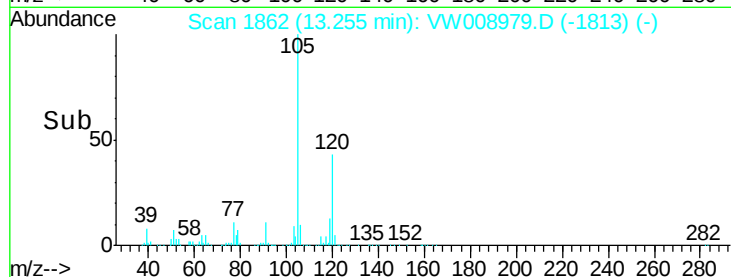
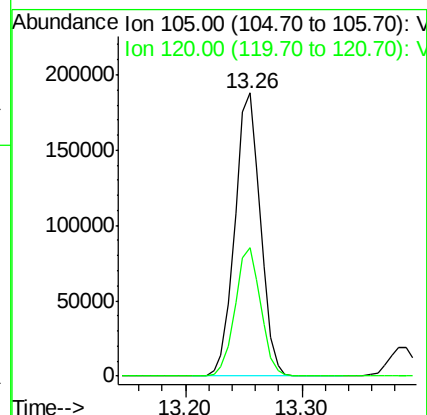
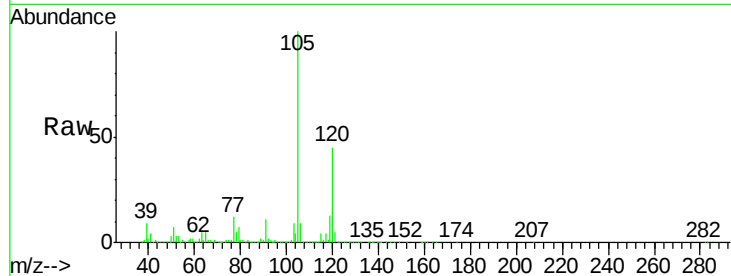




#84
 1,2,4-Trimethylbenzene
 Concen: 31.439 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008979.D
 Acq: 05 Mar 2019 00:10

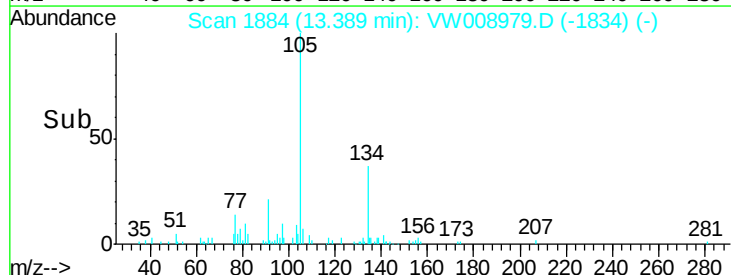
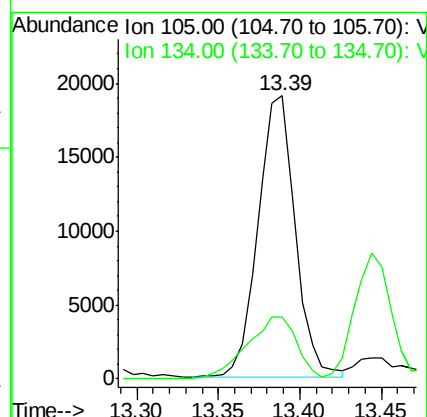
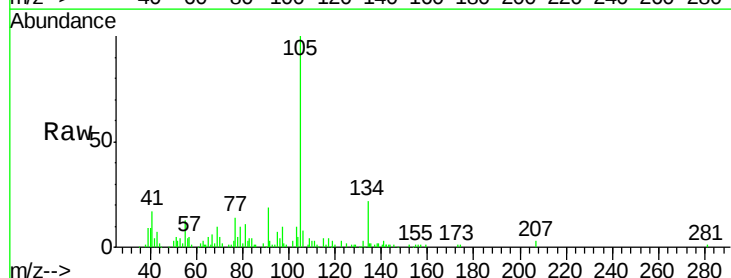
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-G

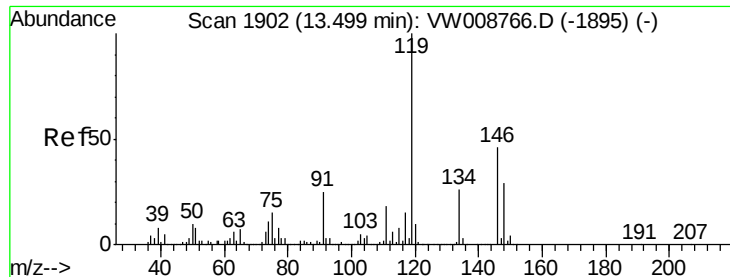
Tot Ion:105 Resp: 286152
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 2.741 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW008979.D
 Acq: 05 Mar 2019 00:10

Tgt Ion:105 Resp: 29964
 Ion Ratio Lower Upper
 105 100
 134 29.8 10.4 31.1

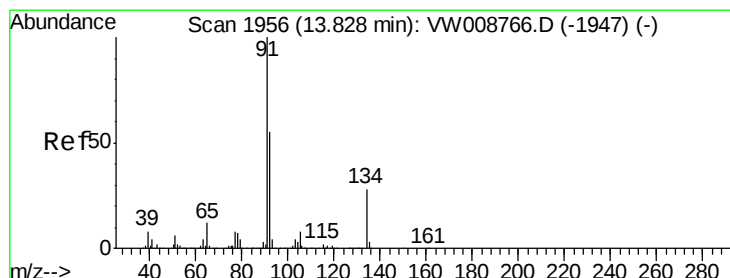
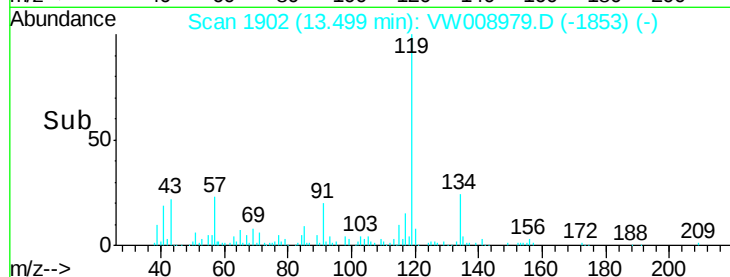
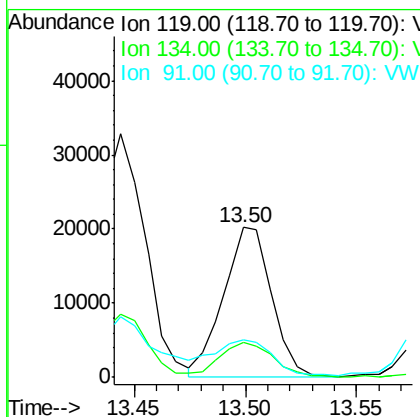
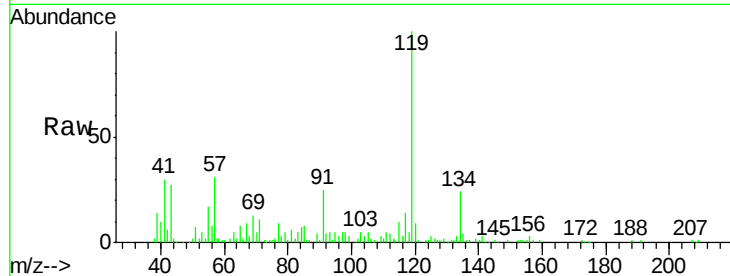




#86
p-Isopropyltoluene
Concen: 3.019 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW008979.D
Acq: 05 Mar 2019 00:10

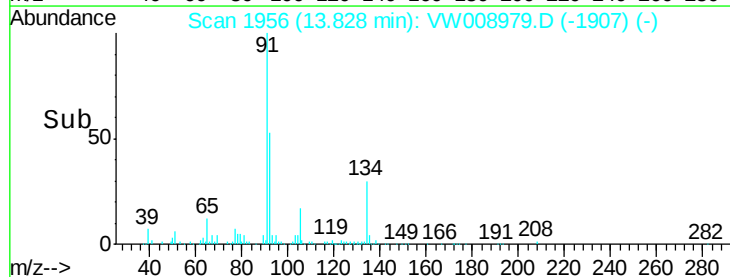
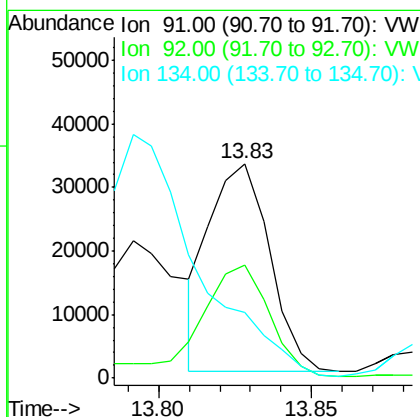
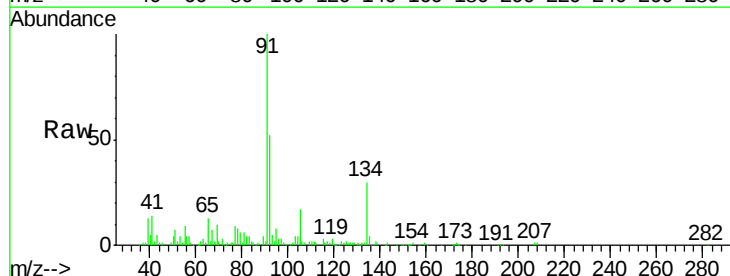
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-G

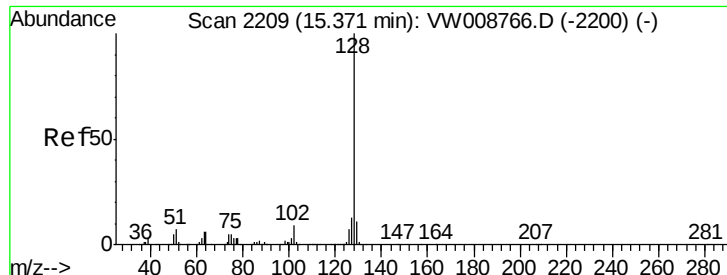
Tot Ion:119 Resp: 30256
Ion Ratio Lower Upper
119 100
134 25.2 13.1 39.3
91 29.8 12.1 36.3



#89
n-Butylbenzene
Concen: 4.763 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008979.D
Acq: 05 Mar 2019 00:10

Tgt Ion: 91 Resp: 44718
Ion Ratio Lower Upper
91 100
92 64.0 26.8 80.4
134 0.0 13.5 40.4#





#95

Naphthalene

Concen: 10.685 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008979.D

Acq: 05 Mar 2019 00:10

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-G

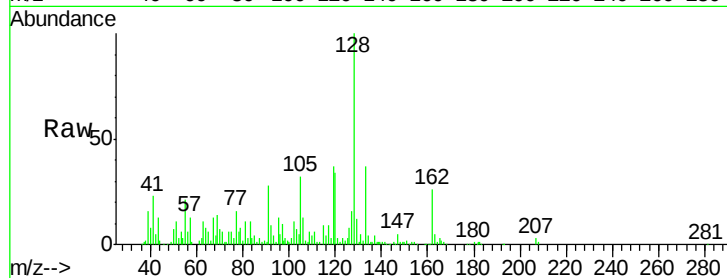
Tot Ion:128 Resp: 57938

Ion Ratio Lower Upper

128 100

127 12.4 10.8 16.2

129 8.8 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

