

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061891.D
 Acq On : 11 Mar 2019 16:00
 Operator : VA/AP
 Sample : K1824-07
 Misc : 5.06g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-27

Quant Time: Mar 12 05:12:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

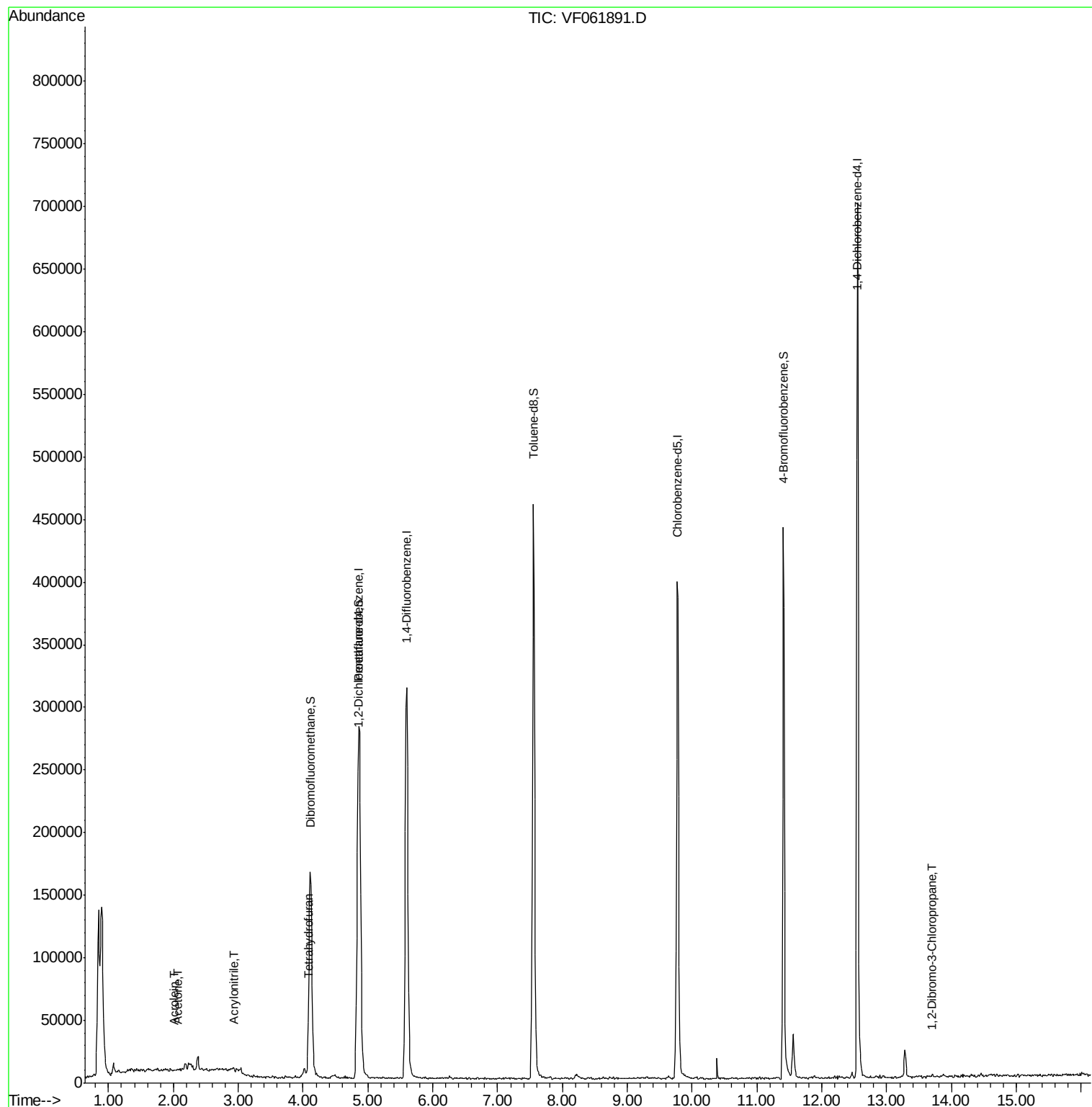
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	251218	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	400401	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	329936	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	197359	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	117801	64.39	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	128.78%	
35) Dibromofluoromethane	4.11	113	165870	59.36	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	118.72%	
50) Toluene-d8	7.55	98	412476	49.66	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.41	95	174160	53.53	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.06%	
Target Compounds						
					Qvalue	
13) Acrolein	2.00	56	721	5.480	ug/l #	26
15) Acrylonitrile	2.95	53	581	1.757	ug/l #	33
16) Acetone	2.07	43	718	1.874	ug/l	93
18) Methyl Acetate	2.37	43	4787	Below Cal	#	62
20) Methylene Chloride	2.18	84	2950	Below Cal	#	73
29) Tetrahydrofuran	4.07	42	354	1.053	ug/l #	47
92) 1,2-Dibromo-3-Chloropropan	13.69	75	62	3.914	ug/l #	1

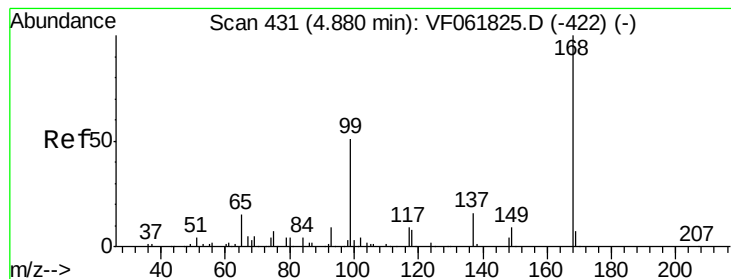
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061891.D

Acq: 11 Mar 2019 16:00

Instrument :

MSVOA_F

ClientSampleId :

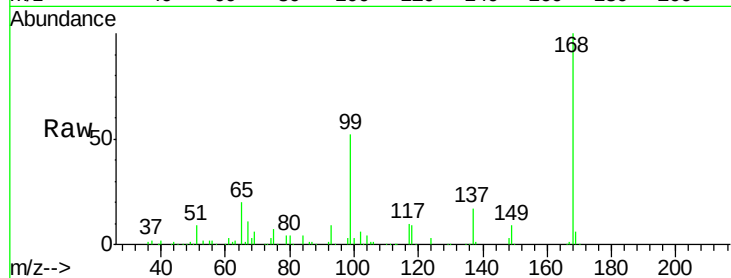
TP-27

Tot Ion:168 Resp: 251218

Ion Ratio Lower Upper

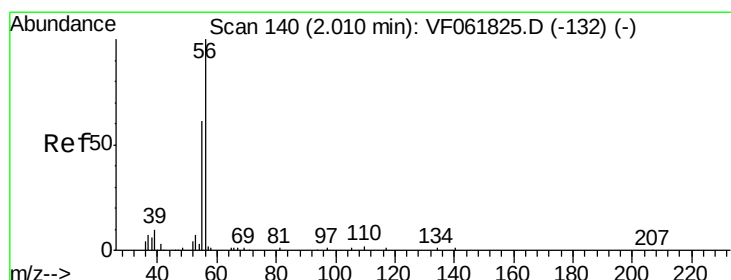
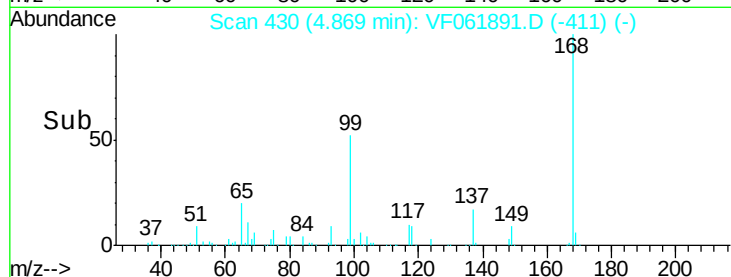
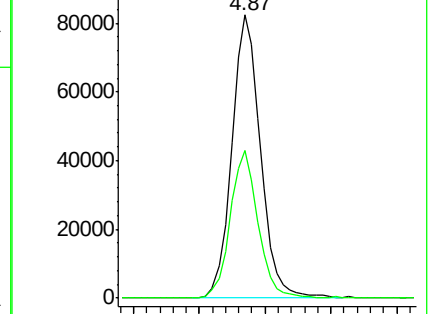
168 100

99 52.4 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: 5.480 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061891.D

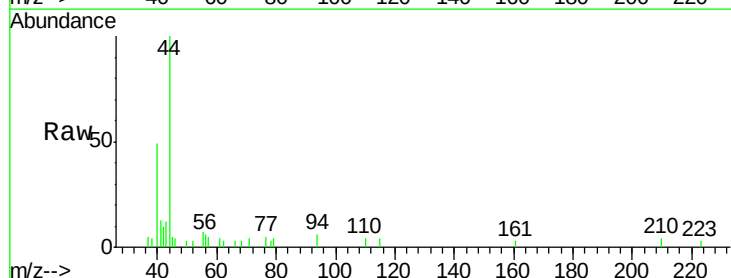
Acq: 11 Mar 2019 16:00

Tgt Ion: 56 Resp: 721

Ion Ratio Lower Upper

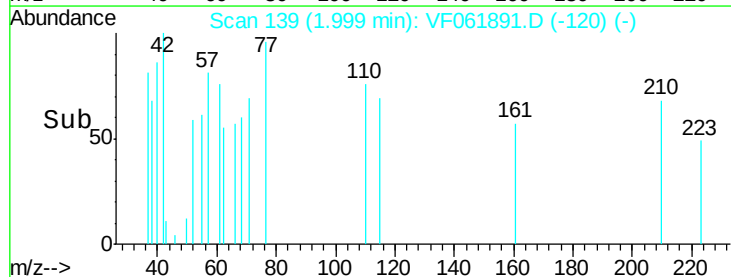
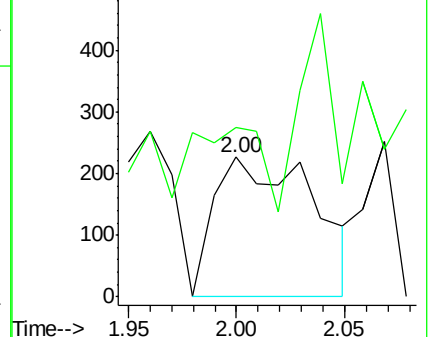
56 100

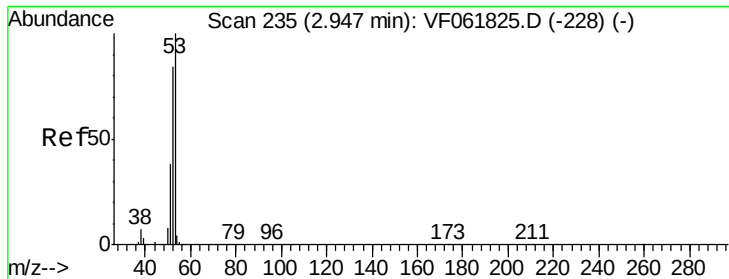
55 121.7 51.3 76.9#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 1.757 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF061891.D

Acq: 11 Mar 2019 16:00

Instrument :

MSVOA_F

ClientSampled :

TP-27

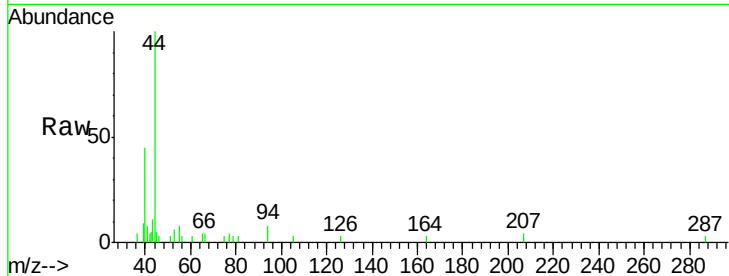
Tot Ion: 53 Resp: 581

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

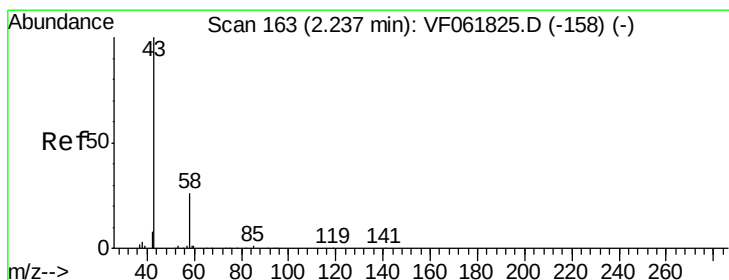
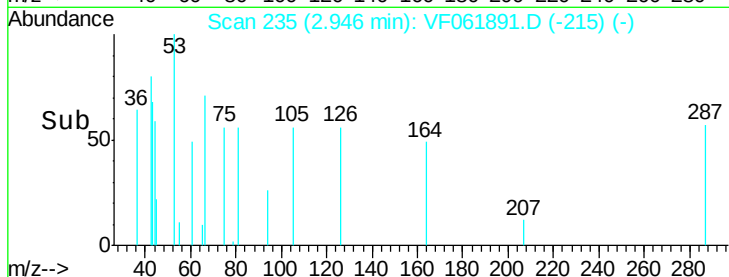
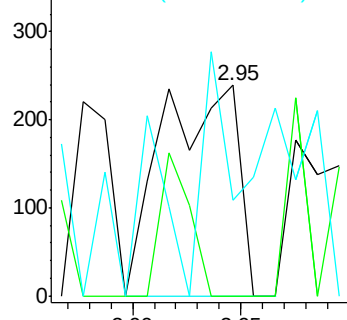
51 45.2 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 1.874 ug/l

RT: 2.07 min Scan# 146

Delta R.T. -0.17 min

Lab File: VF061891.D

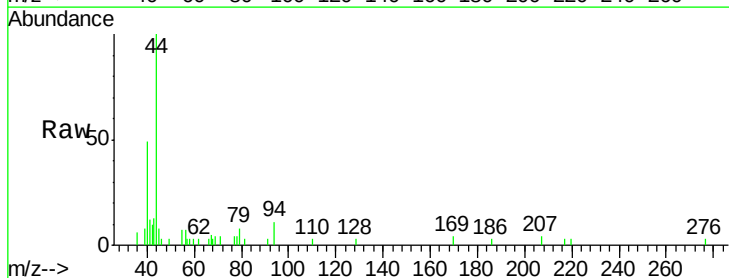
Acq: 11 Mar 2019 16:00

Tgt Ion: 43 Resp: 718

Ion Ratio Lower Upper

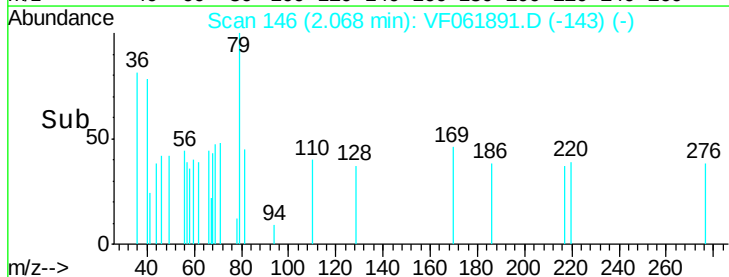
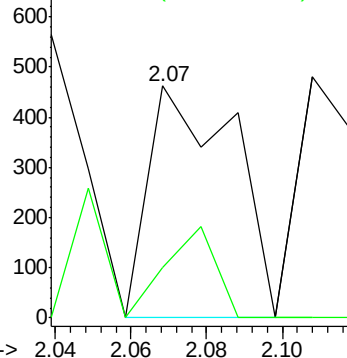
43 100

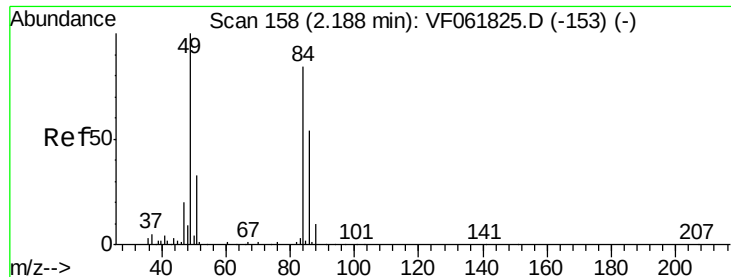
58 21.9 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

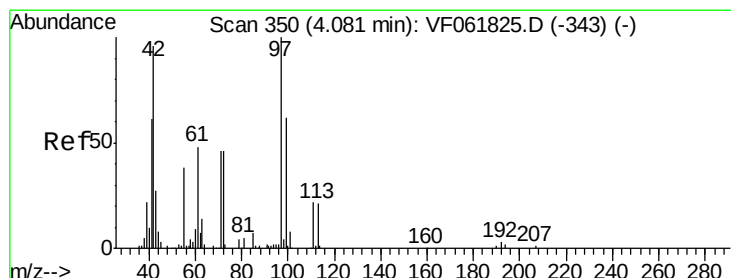
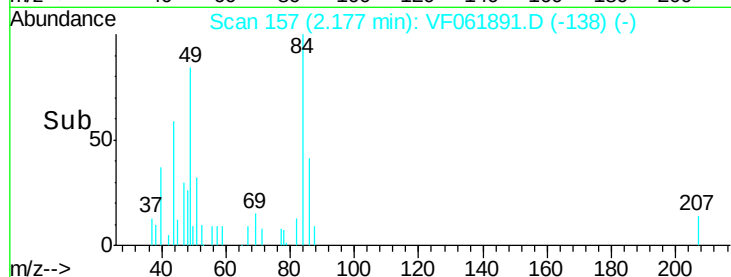
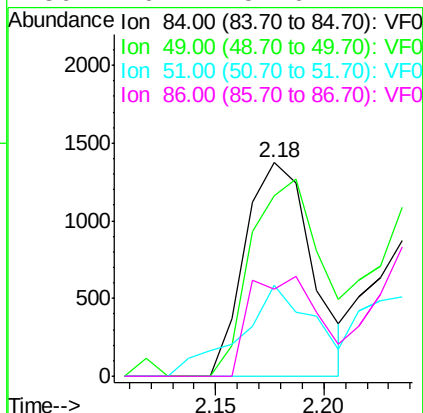
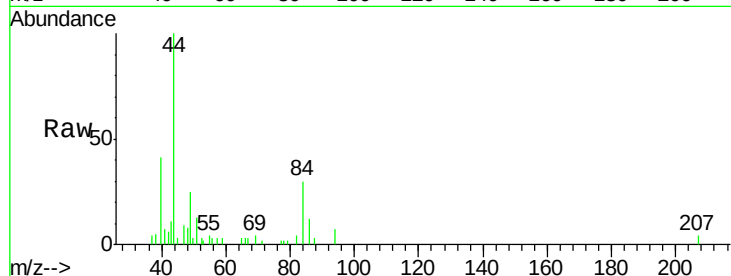




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061891.D
Acq: 11 Mar 2019 16:00

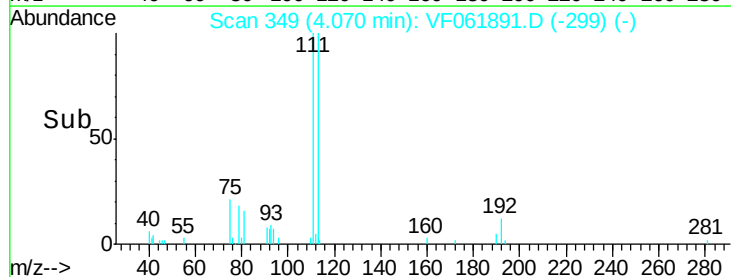
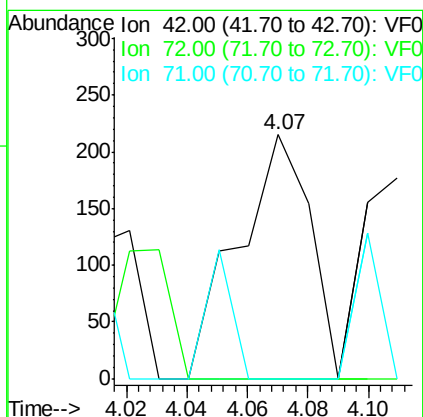
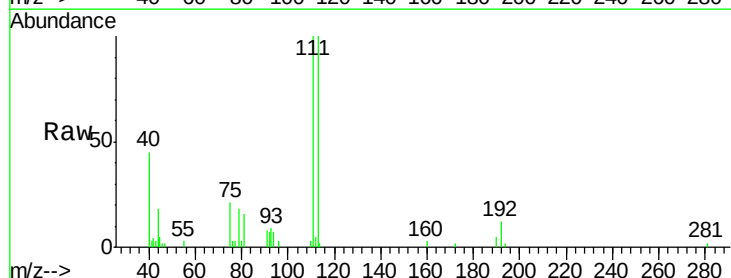
Instrument :
MSVOA_F
ClientSampled :
TP-27

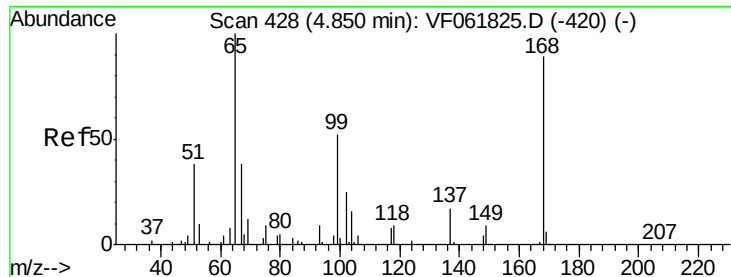
Tot Ion:	84	Resp:	2950
Ion	Ratio	Lower	Upper
84	100		
49	84.2	96.8	145.2#
51	42.4	31.8	47.6
86	40.7	51.6	77.4#



#29
Tetrahydrofuran
Concen: 1.053 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061891.D
Acq: 11 Mar 2019 16:00

Tgt Ion:	42	Resp:	354
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.4	51.6#
71	18.9	34.6	52.0#

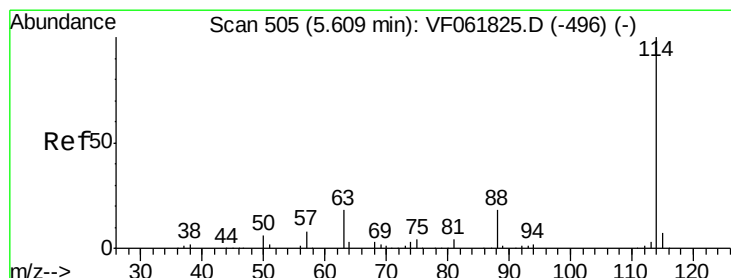
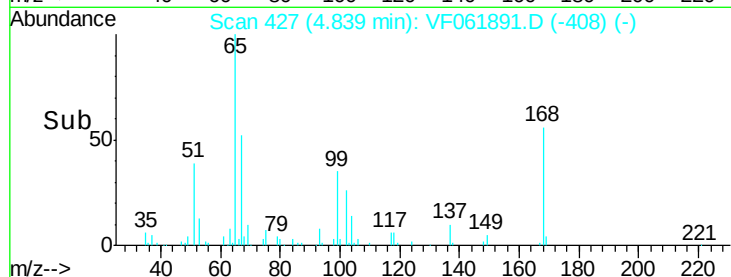
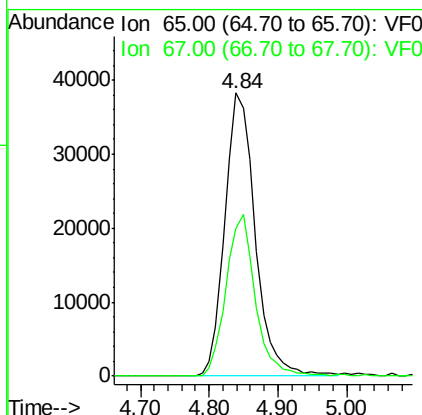
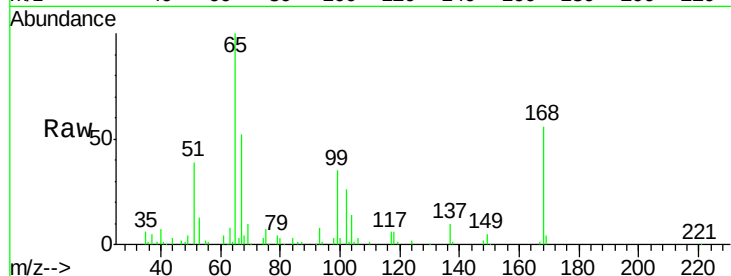




#33
 1,2-Dichloroethane-d4
 Concen: 64.390 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061891.D
 Acq: 11 Mar 2019 16:00

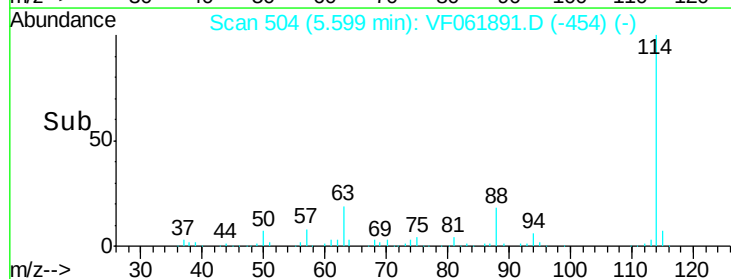
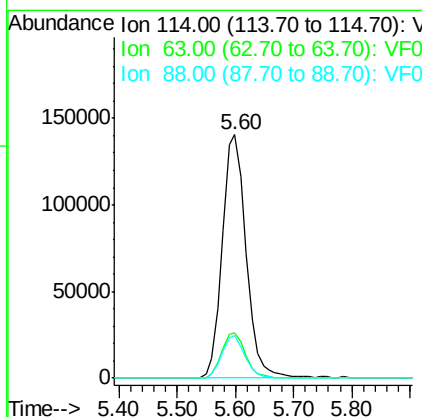
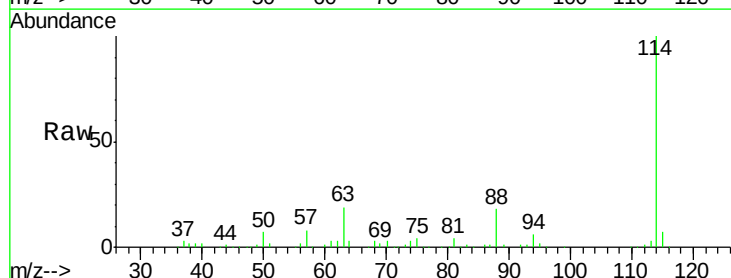
Instrument :
 MSVOA_F
 ClientSampled :
 TP-27

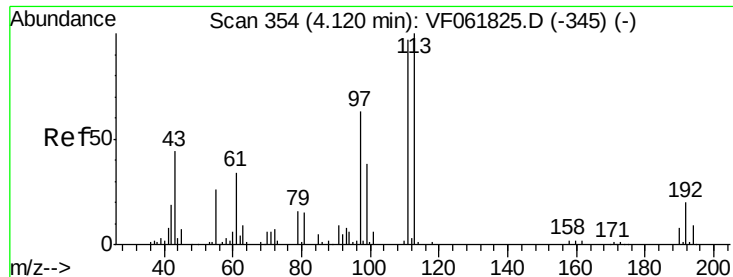
Tot Ion: 65 Resp: 117801
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061891.D
 Acq: 11 Mar 2019 16:00

Tgt Ion: 114 Resp: 400401
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 35.6
 88 17.6 0.0 35.6

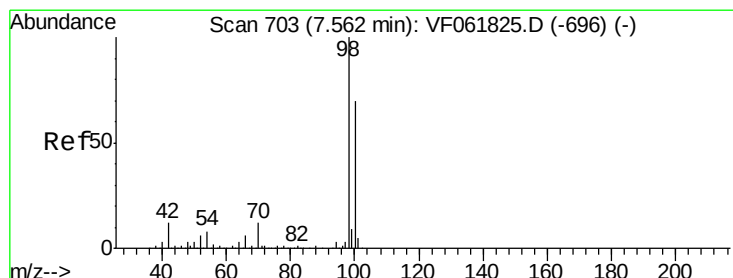
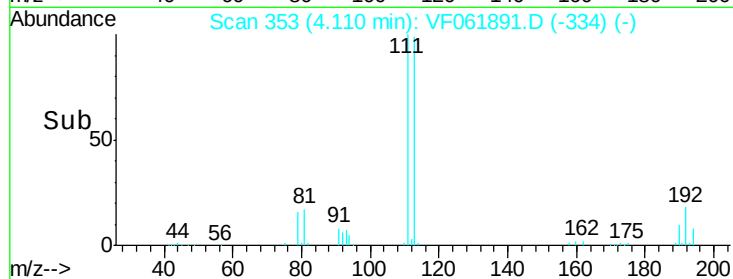
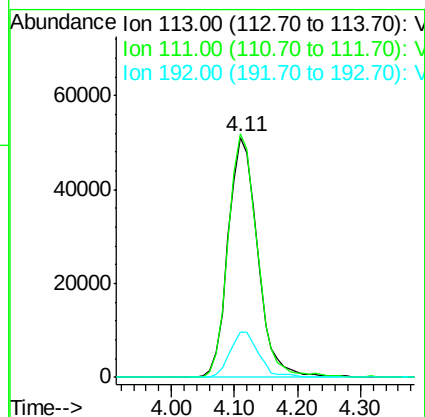
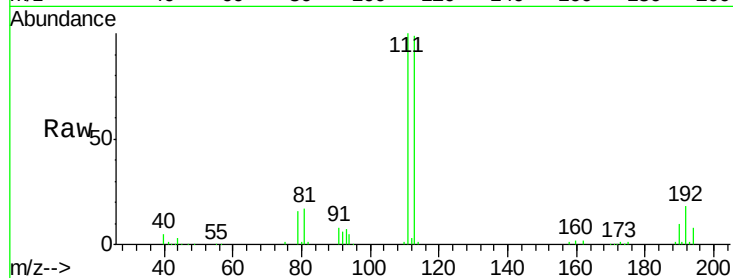




#35
 Dibromofluoromethane
 Concen: 59.361 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VF061891.D
 Acq: 11 Mar 2019 16:00

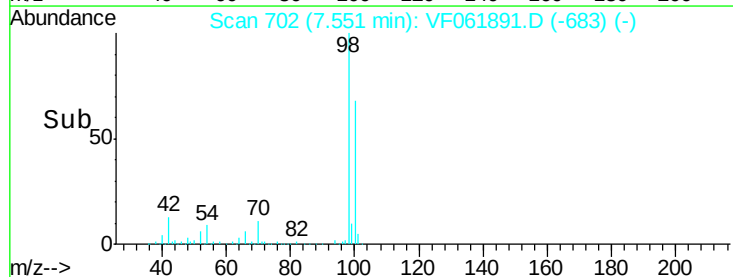
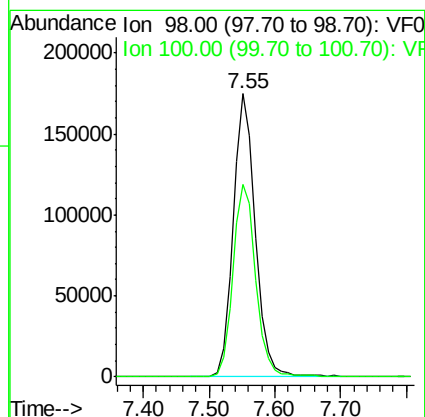
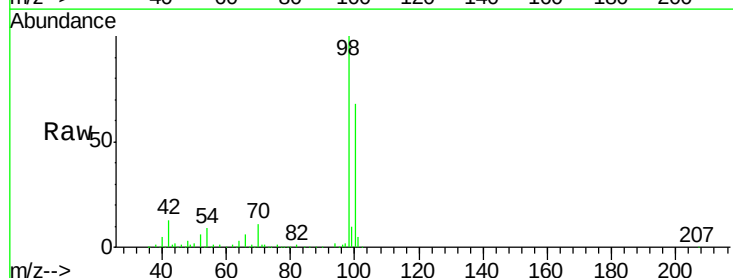
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-27

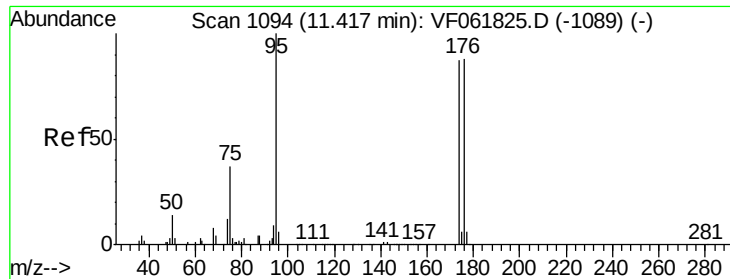
Tot Ion:113 Resp: 165870
 Ion Ratio Lower Upper
 113 100
 111 101.5 77.6 116.4
 192 19.4 15.9 23.9



#50
 Toluene-d8
 Concen: 49.663 ug/l
 RT: 7.55 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VF061891.D
 Acq: 11 Mar 2019 16:00

Tgt Ion: 98 Resp: 412476
 Ion Ratio Lower Upper
 98 100
 100 68.2 56.0 84.0





#62

4-Bromofluorobenzene

Concen: 53.531 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061891.D

Acq: 11 Mar 2019 16:00

Instrument :

MSVOA_F

ClientSampled :

TP-27

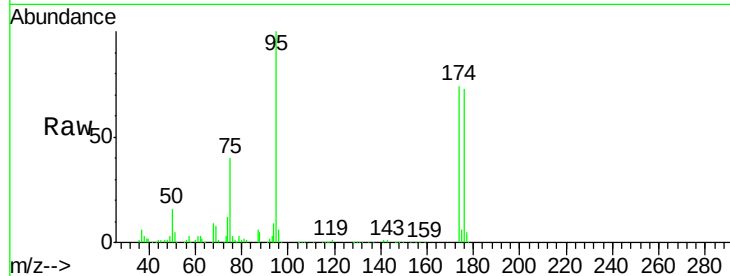
Tot Ion: 95 Resp: 174160

Ion Ratio Lower Upper

95 100

174 73.7 0.0 174.0

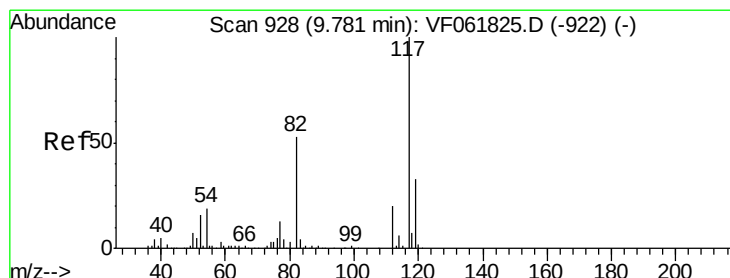
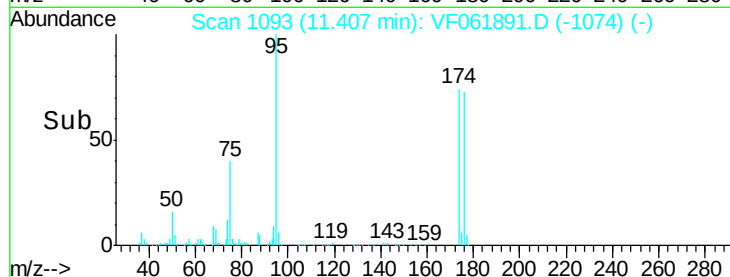
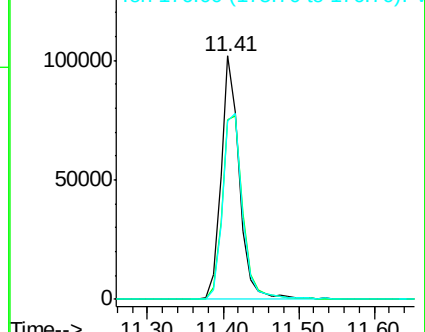
176 73.0 0.0 175.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061891.D

Acq: 11 Mar 2019 16:00

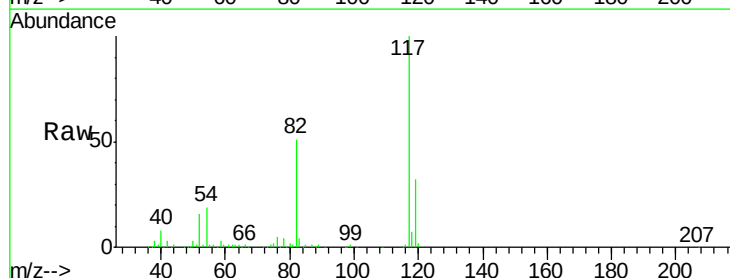
Tgt Ion: 117 Resp: 329936

Ion Ratio Lower Upper

117 100

82 51.5 42.6 63.8

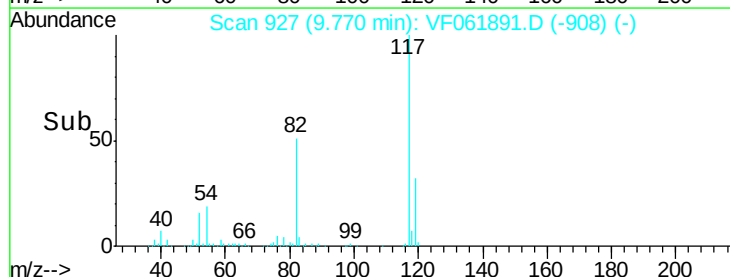
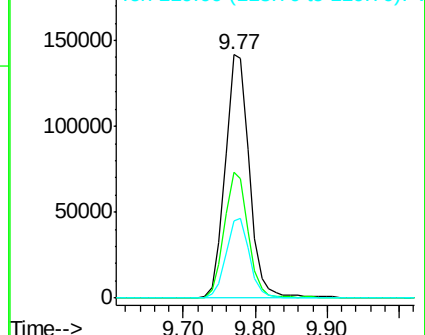
119 31.6 26.0 39.0

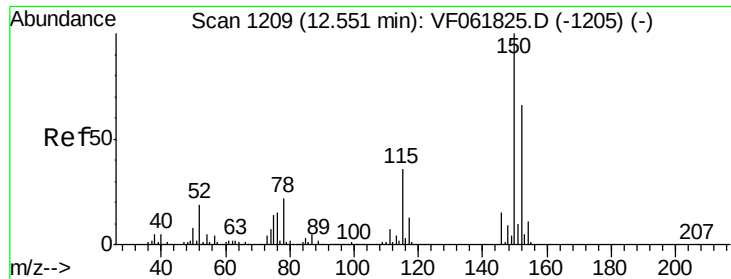


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



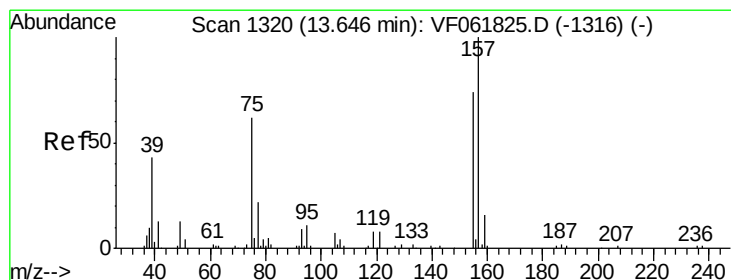
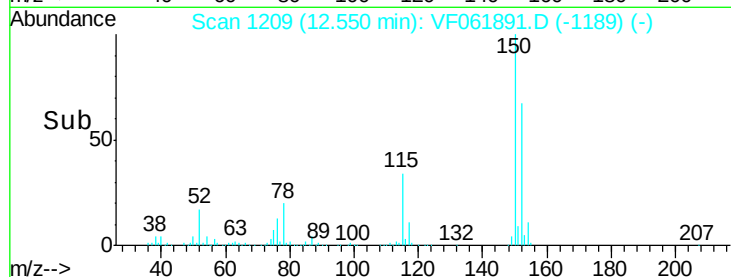
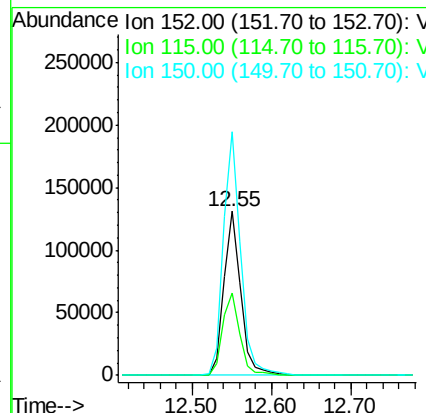
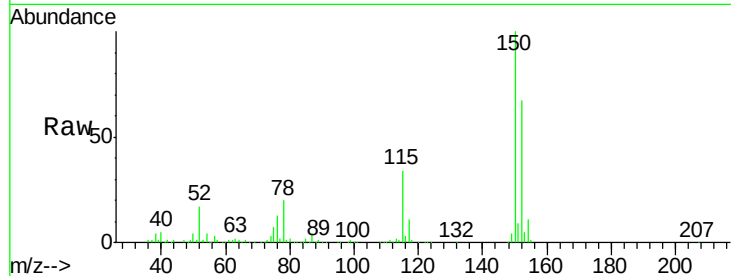


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061891.D
Acq: 11 Mar 2019 16:00

Instrument :
MSVOA_F
ClientSampled :
TP-27

Tot Ion:152 Resp: 197359
Ion Ratio Lower Upper
152 100
115 50.5 27.7 83.1
150 148.7 0.0 304.2



#92

1,2-Dibromo-3-Chloropropane
Concen: 3.914 ug/l
RT: 13.69 min Scan# 1325
Delta R.T. 0.05 min
Lab File: VF061891.D
Acq: 11 Mar 2019 16:00

Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
155 0.0 59.8 179.4#
157 0.0 81.2 243.4#

