

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF110918\
 Data File : VF060684.D
 Acq On : 9 Nov 2018 21:01
 Operator : VA/AP
 Sample : J5884-07
 Misc : 5.82g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-7-S

Quant Time: Nov 12 04:15:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	195933	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	348297	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	287492	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	131054	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	134476	67.93	ug/l	0.01
Spiked Amount 50.000			Recovery	=	135.86%	
35) Dibromofluoromethane	4.13	113	167586	62.28	ug/l	0.02
Spiked Amount 50.000			Recovery	=	124.56%	
50) Toluene-d8	7.57	98	406137	50.95	ug/l	0.01
Spiked Amount 50.000			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.42	95	168538	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	

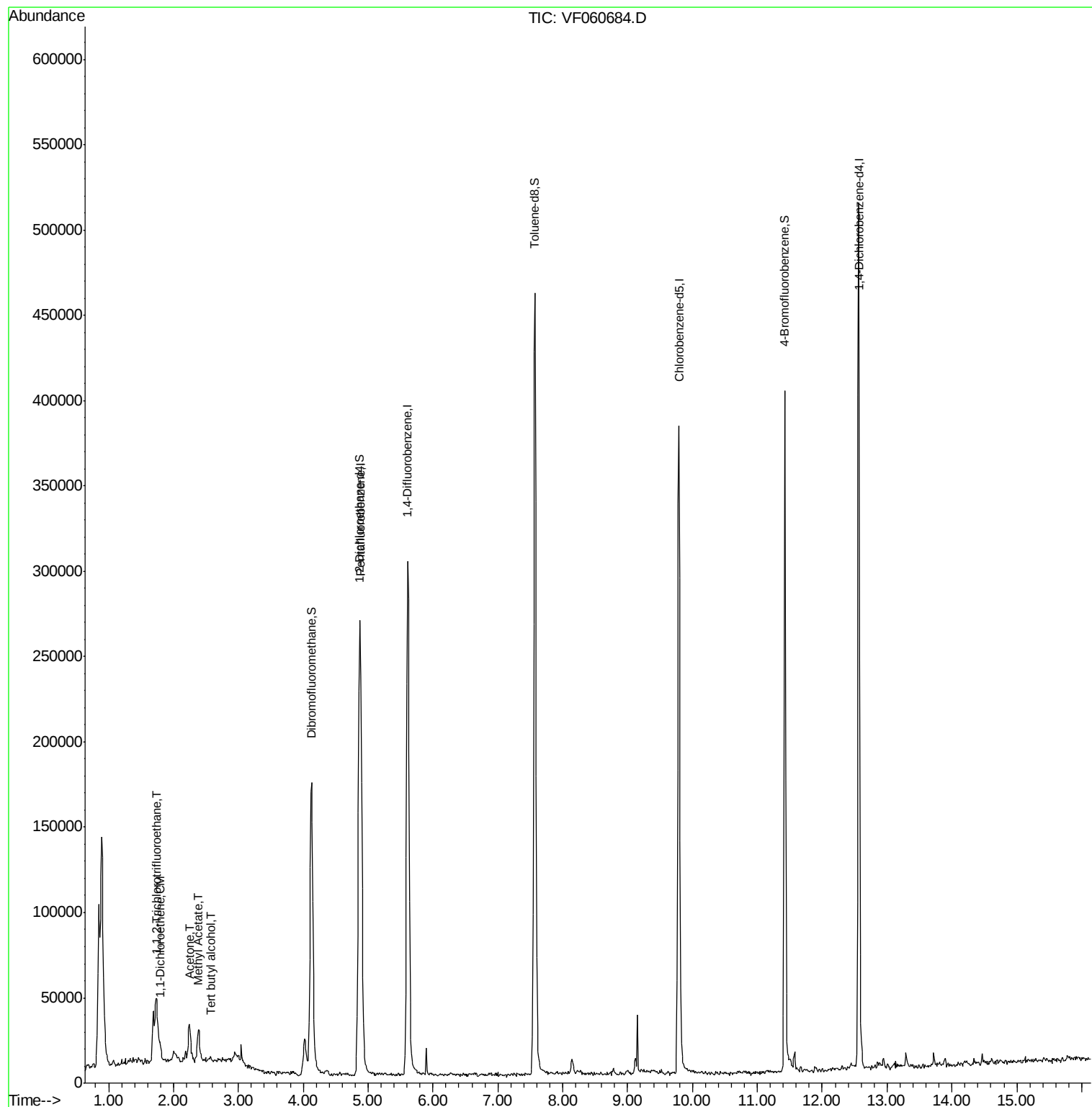
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	195	Below Cal	#	41
6) Chloroethane	1.37	64	133	Below Cal	#	1
9) 1,1,2-Trichlorotrifluoroet	1.73	101	3011	1.782	ug/l #	31
11) Tert butyl alcohol	2.59	59	1114	4.079	ug/l #	70
12) 1,1-Dichloroethene	1.79	96	3253	2.285	ug/l #	25
13) Acrolein	1.96	56	1292	Below Cal		83
16) Acetone	2.25	43	34864	74.738	ug/l	93
18) Methyl Acetate	2.39	43	8300	11.824	ug/l #	64
20) Methylene Chloride	2.25	84	636	Below Cal	#	61
25) 2-Butanone	4.36	43	6777	Below Cal	#	81
29) Tetrahydrofuran	4.11	42	1356	Below Cal	#	77
58) 2-Chloroethyl Vinyl ether	7.64	63	77	Below Cal		100
59) 2-Hexanone	9.52	43	2352	Below Cal	#	63
74) N-amyl acetate	11.37	43	462	Below Cal	#	45
89) n-Butylbenzene	12.85	91	1023	Below Cal		73

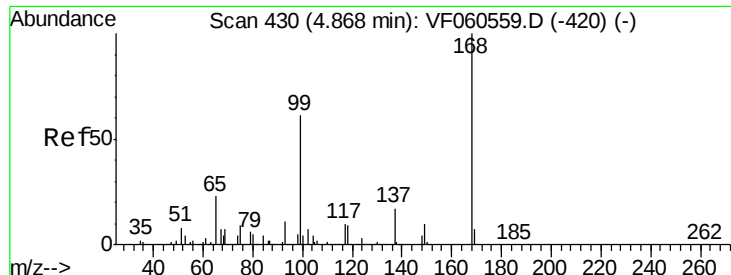
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF060684.D

Acq: 9 Nov 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

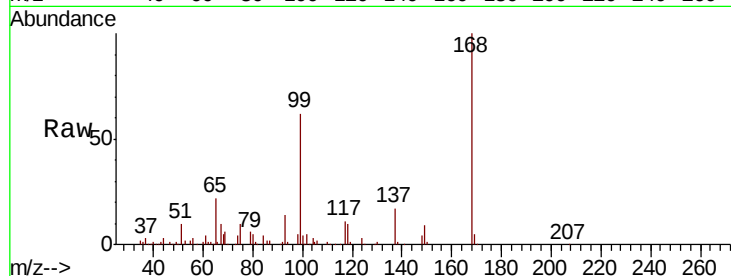
TP-7-S

Tgt Ion:168 Resp: 195933

Ion Ratio Lower Upper

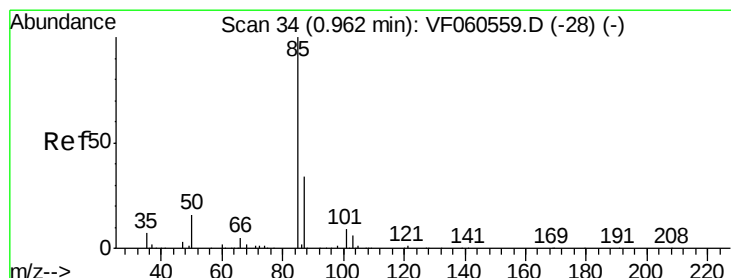
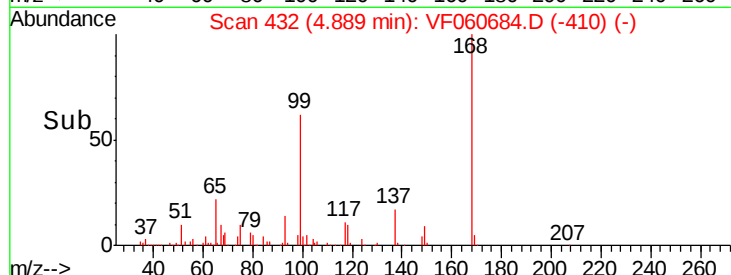
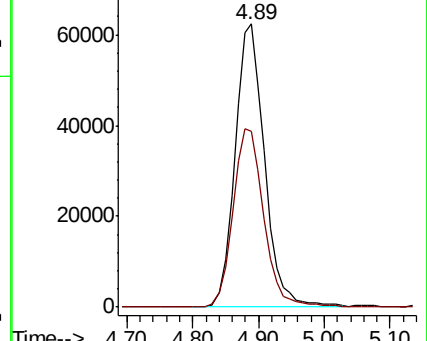
168 100

99 62.2 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF060684.D

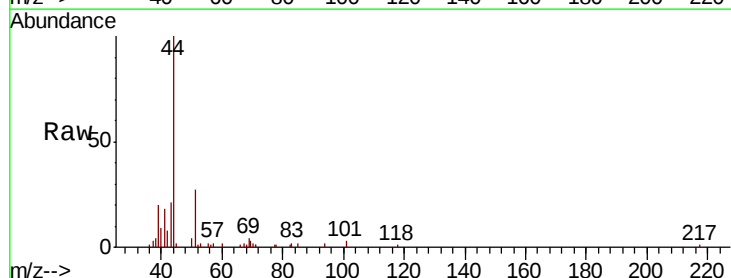
Acq: 9 Nov 2018 21:01

Tgt Ion: 85 Resp: 195

Ion Ratio Lower Upper

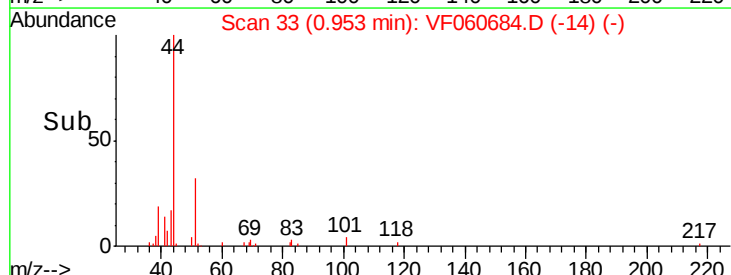
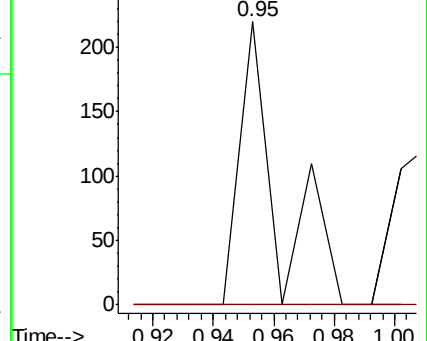
85 100

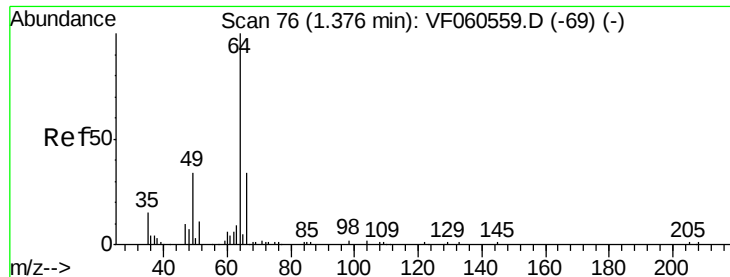
87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#6

Chloroethane

Concen: Below Cal

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060684.D

Acq: 9 Nov 2018 21:01

Instrument :

MSVOA_F

ClientSampled :

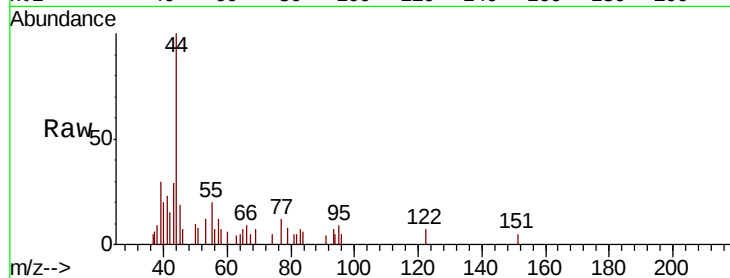
TP-7-S

Tgt Ion: 64 Resp: 133

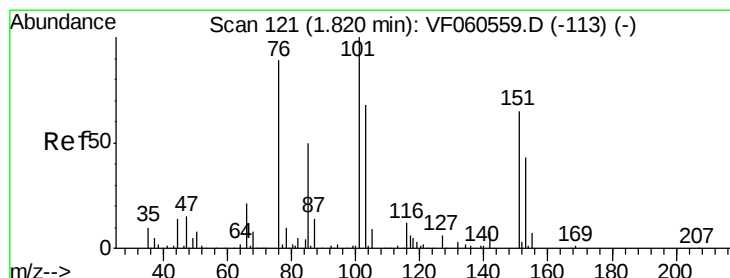
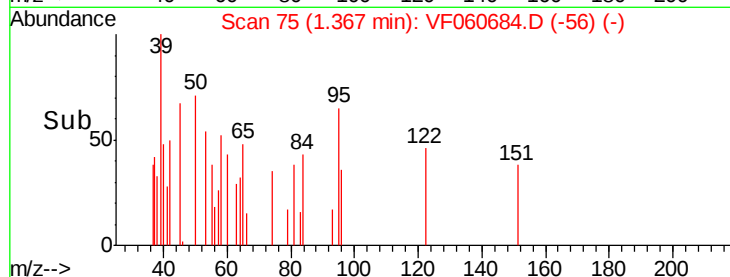
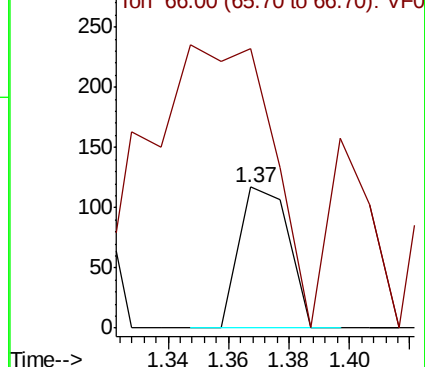
Ion Ratio Lower Upper

64 100

66 198.3 27.8 41.8#



Abundance Ion 64.00 (63.70 to 64.70): VF0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.782 ug/l

RT: 1.73 min Scan# 112

Delta R.T. -0.09 min

Lab File: VF060684.D

Acq: 9 Nov 2018 21:01

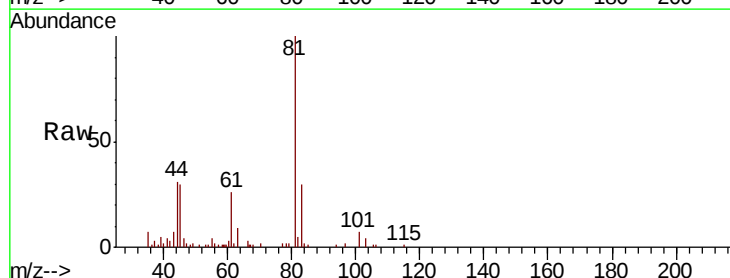
Tgt Ion: 101 Resp: 3011

Ion Ratio Lower Upper

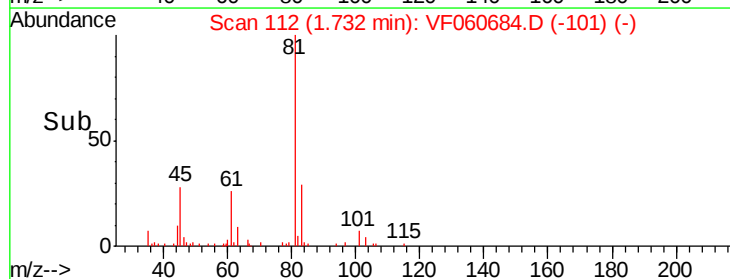
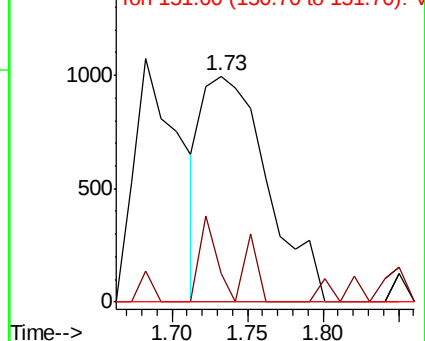
101 100

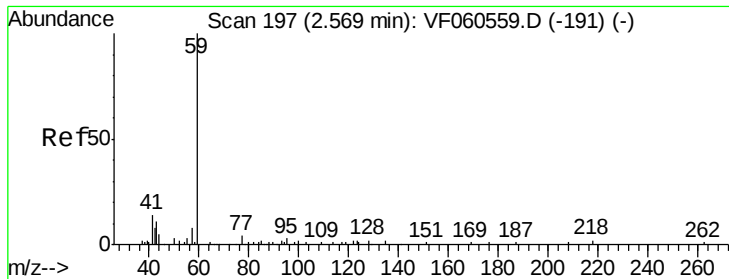
85 12.6 39.8 59.6#

151 0.0 50.8 76.2#



Abundance Ion 101.00 (100.70 to 101.70): V

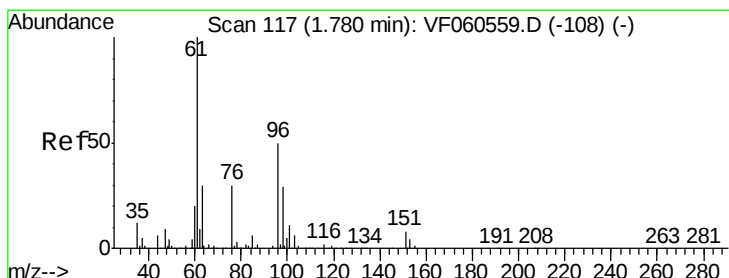
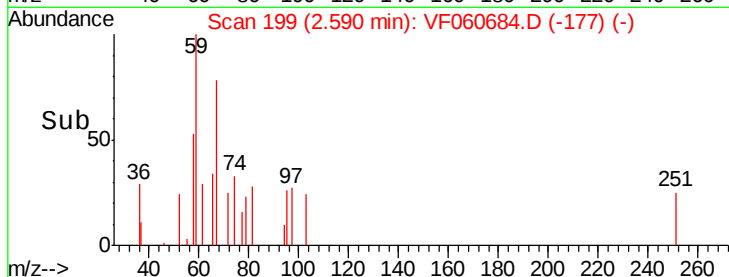
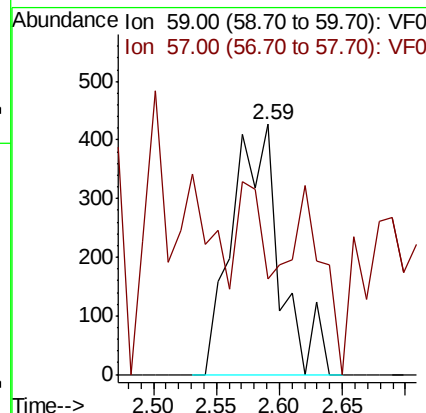
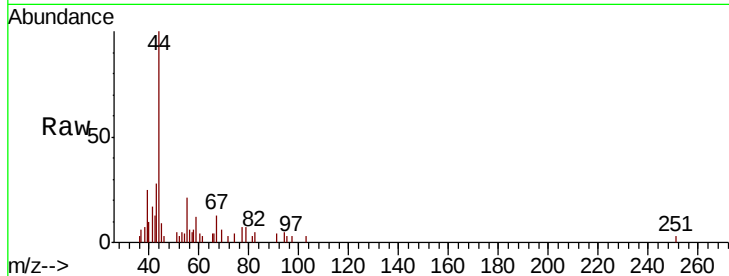




#11
Tert butyl alcohol
Concen: 4.079 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF060684.D
Acq: 9 Nov 2018 21:01

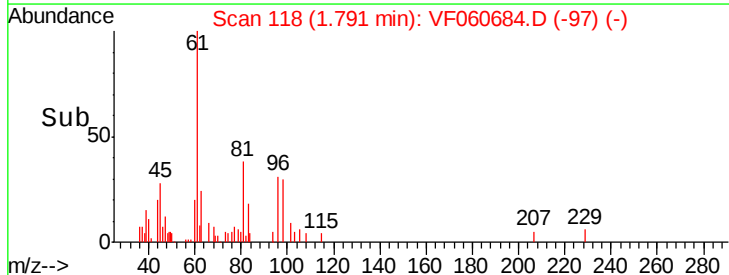
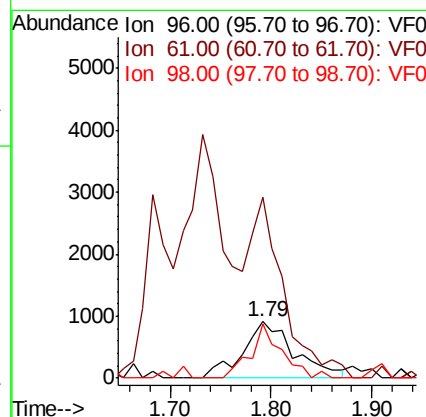
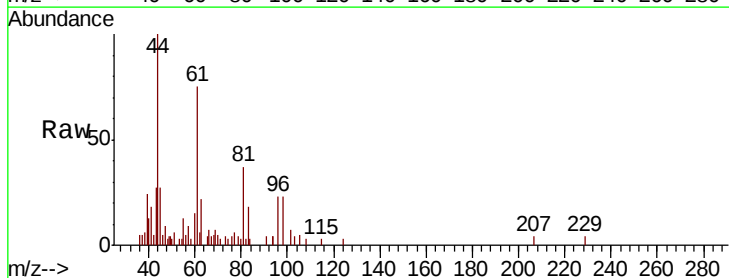
Instrument :
MSVOA_F
ClientSampled :
TP-7-S

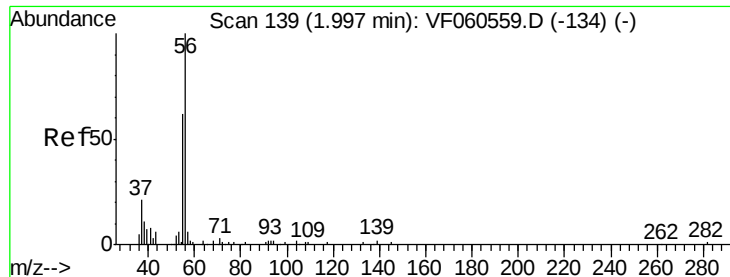
Tgt Ion: 59 Resp: 1114
Ion Ratio Lower Upper
59 100
57 38.4 19.0 28.4#



#12
1,1-Dichloroethene
Concen: 2.285 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.01 min
Lab File: VF060684.D
Acq: 9 Nov 2018 21:01

Tgt Ion: 96 Resp: 3253
Ion Ratio Lower Upper
96 100
61 320.9 158.1 237.1#
98 96.8 47.0 70.6#





#13

Acrolein

Concen: Below Cal

RT: 1.96 min Scan# 135

Delta R.T. -0.04 min

Lab File: VF060684.D

Acq: 9 Nov 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

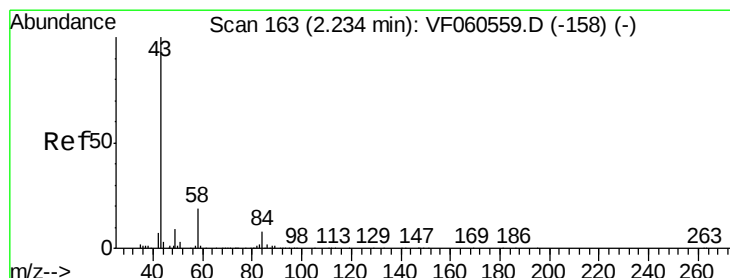
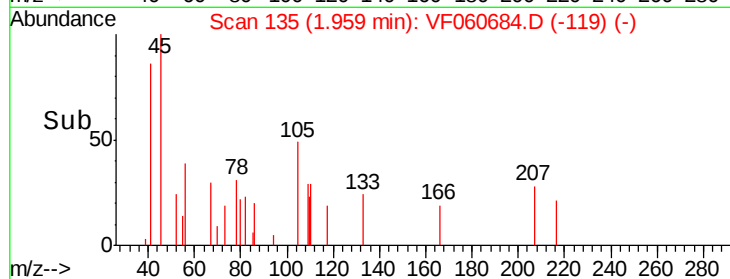
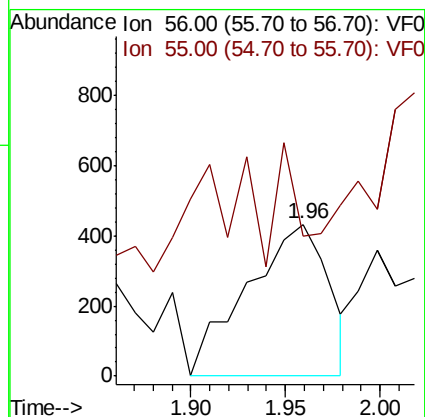
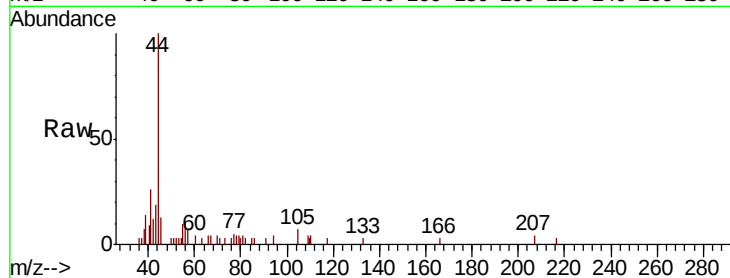
TP-7-S

Tgt Ion: 56 Resp: 1292

Ion Ratio Lower Upper

56 100

55 91.9 61.8 92.6



#16

Acetone

Concen: 74.738 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF060684.D

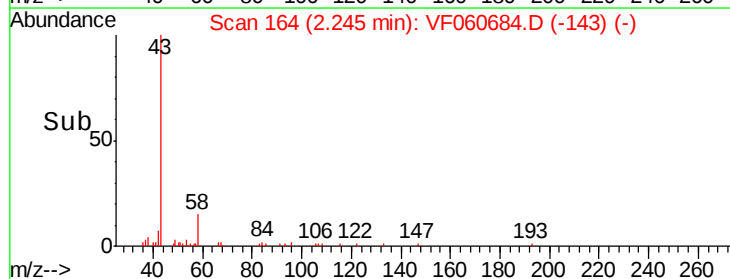
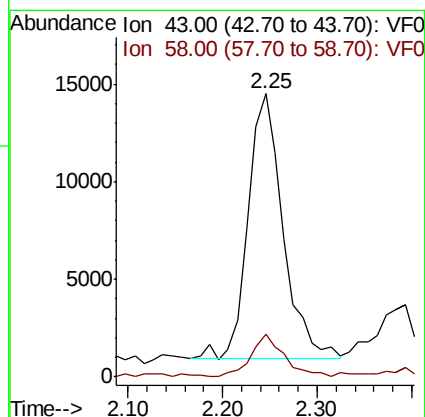
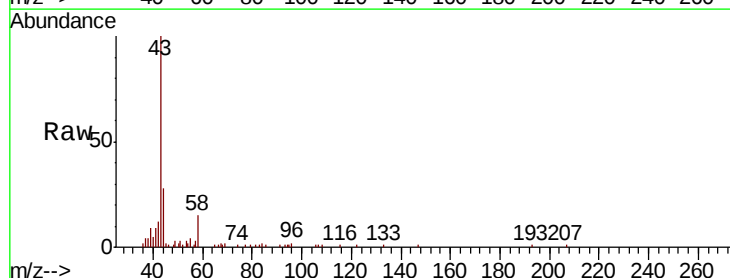
Acq: 9 Nov 2018 21:01

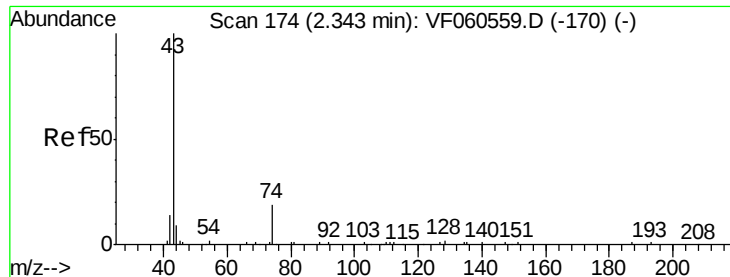
Tgt Ion: 43 Resp: 34864

Ion Ratio Lower Upper

43 100

58 15.2 14.6 22.0

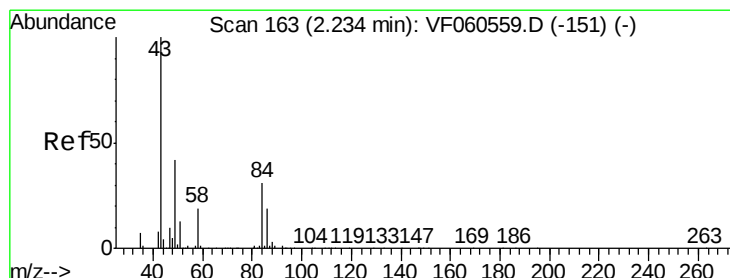
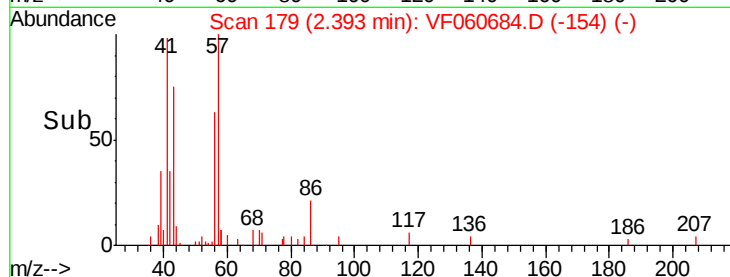
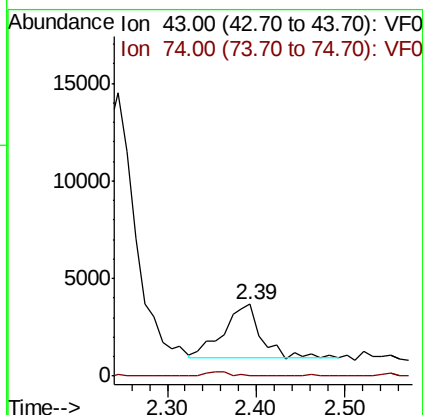
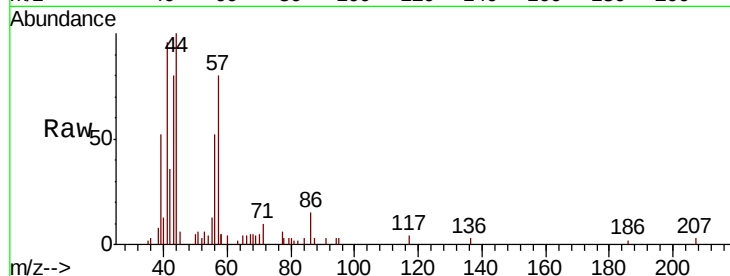




#18
Methyl Acetate
Concen: 11.824 ug/l
RT: 2.39 min Scan# 179
Delta R.T. 0.05 min
Lab File: VF060684.D
Acq: 9 Nov 2018 21:01

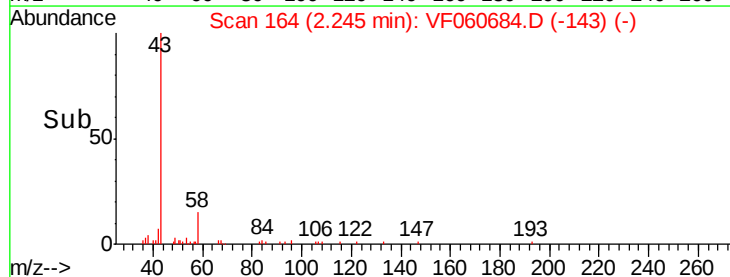
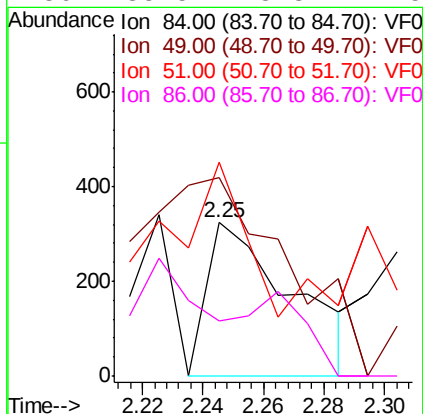
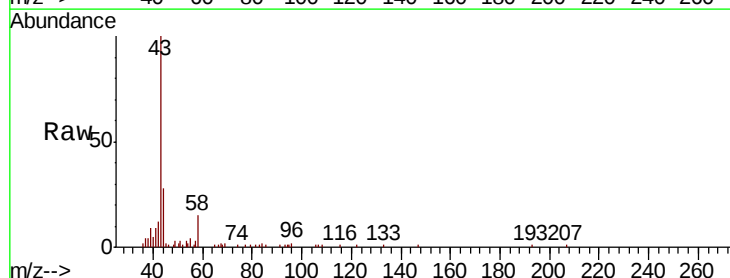
Instrument :
MSVOA_F
ClientSampleId :
TP-7-S

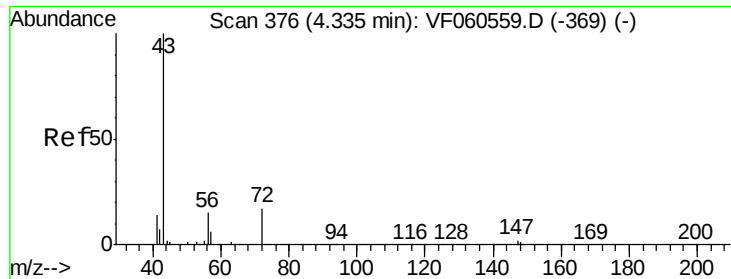
Tgt Ion: 43 Resp: 8300
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.25 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF060684.D
Acq: 9 Nov 2018 21:01

Tgt Ion: 84 Resp: 636
Ion Ratio Lower Upper
84 100
49 129.0 109.9 164.9
51 139.2 35.8 53.8#
86 35.5 48.3 72.5#





#25

2-Butanone

Concen: Below Cal

RT: 4.36 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF060684.D

Acq: 9 Nov 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

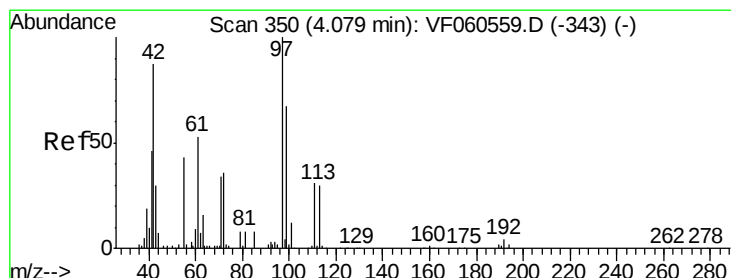
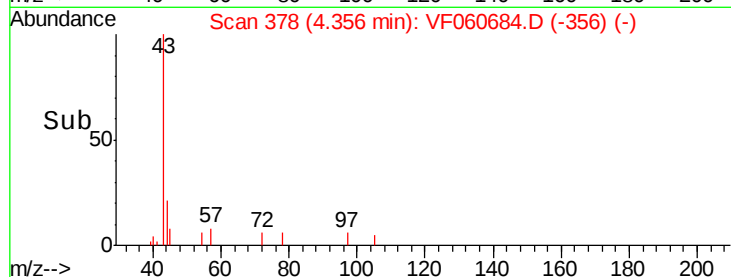
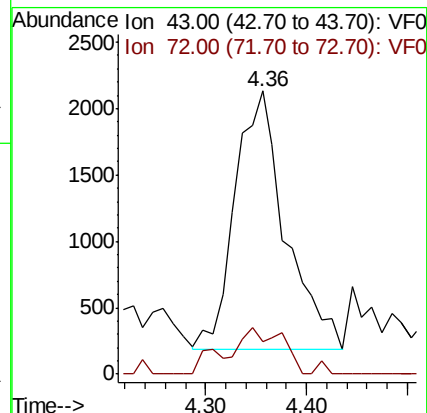
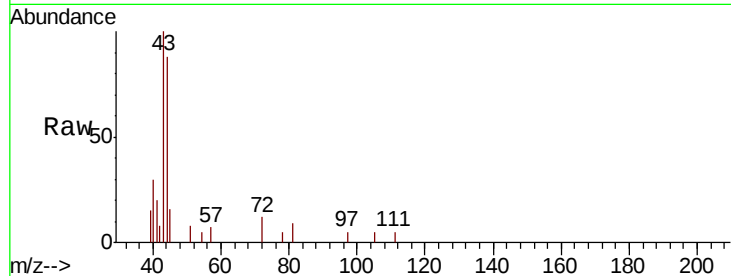
TP-7-S

Tgt Ion: 43 Resp: 6777

Ion Ratio Lower Upper

43 100

72 11.6 16.2 24.2#



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.11 min Scan# 353

Delta R.T. 0.03 min

Lab File: VF060684.D

Acq: 9 Nov 2018 21:01

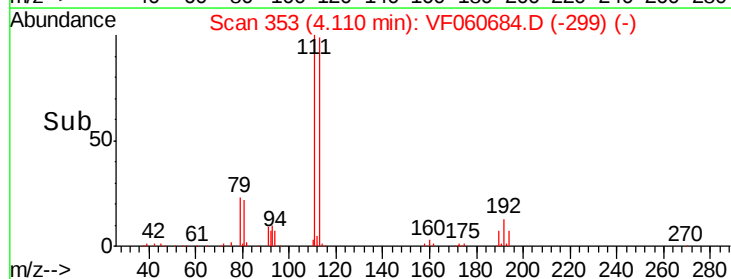
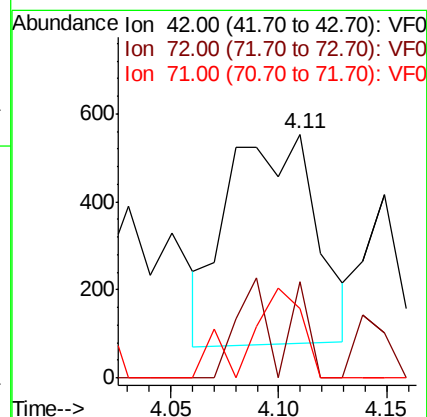
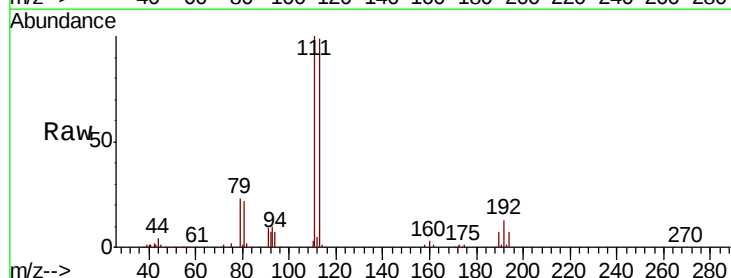
Tgt Ion: 42 Resp: 1356

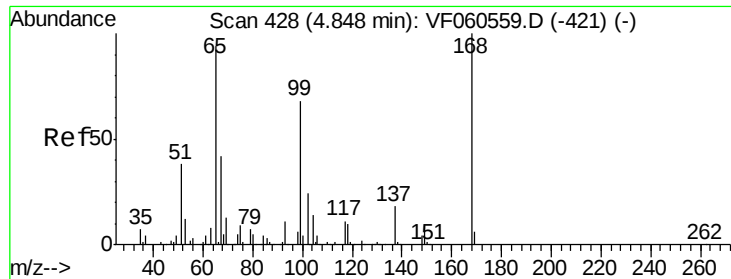
Ion Ratio Lower Upper

42 100

72 25.4 31.4 47.0#

71 25.8 31.8 47.6#

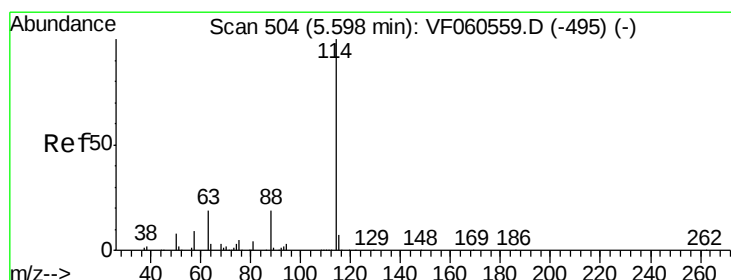
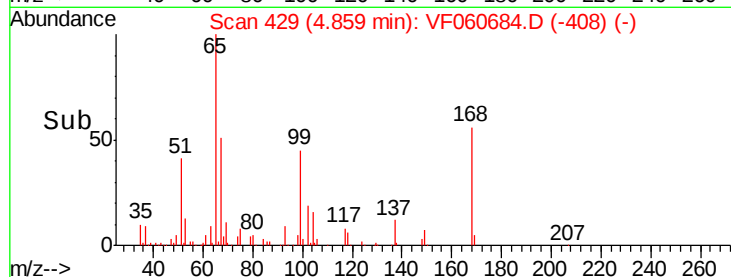
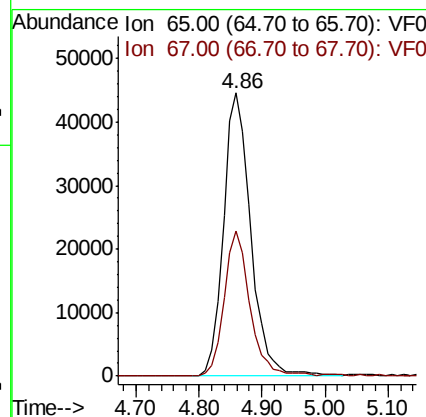
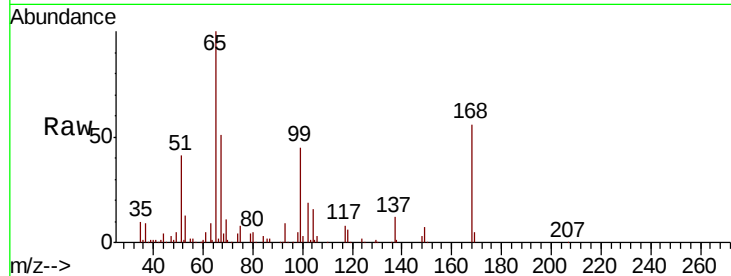




#33
 1,2-Dichloroethane-d4
 Concen: 67.929 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: VF060684.D
 Acq: 9 Nov 2018 21:01

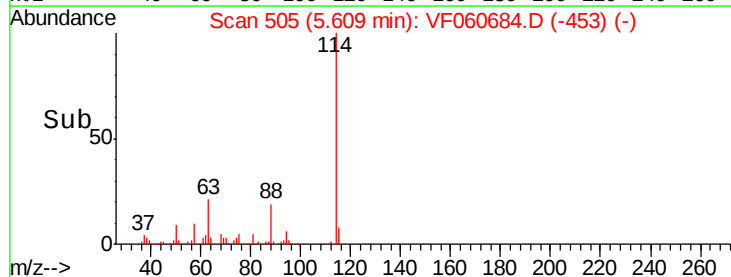
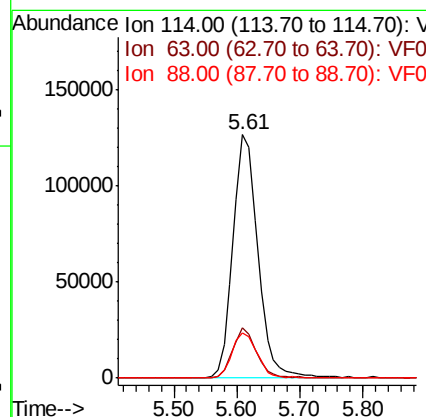
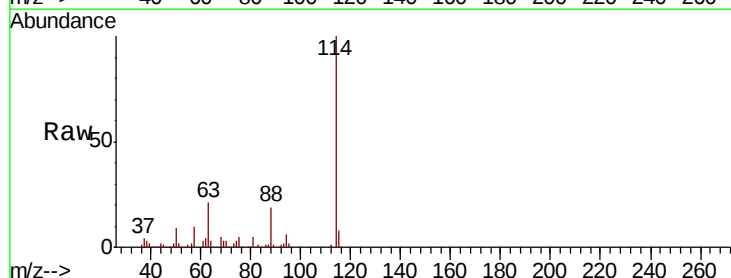
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-7-S

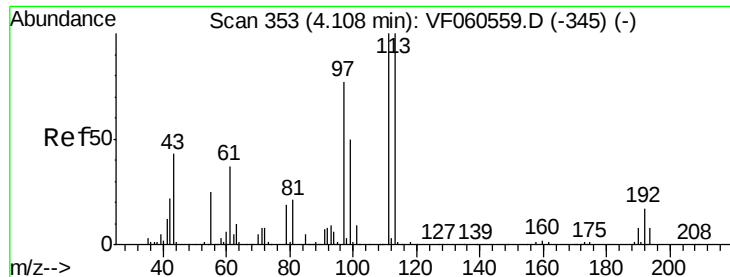
Tgt Ion: 65 Resp: 134476
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF060684.D
 Acq: 9 Nov 2018 21:01

Tgt Ion: 114 Resp: 348297
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.0
 88 18.7 0.0 38.2

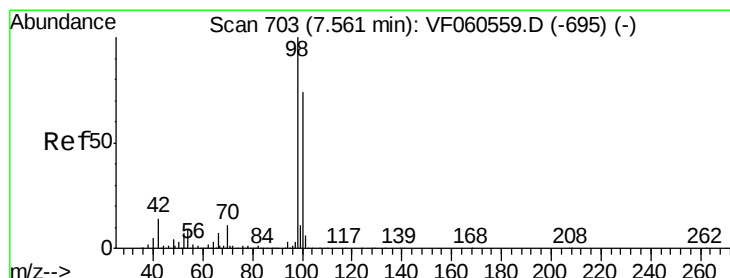
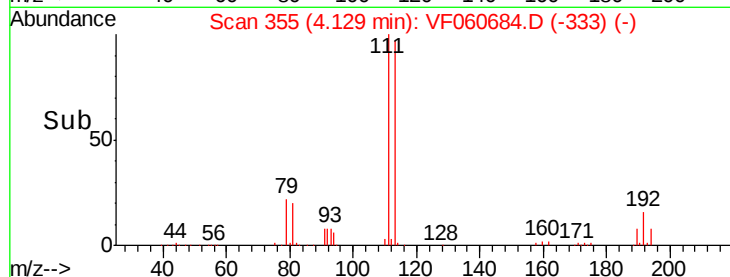
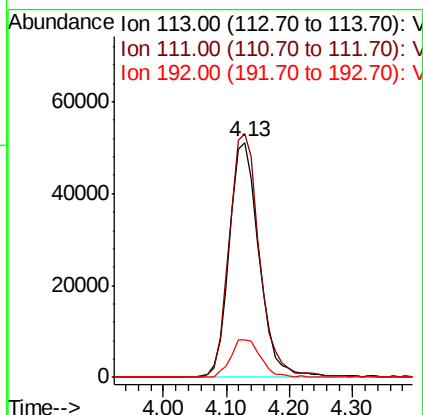
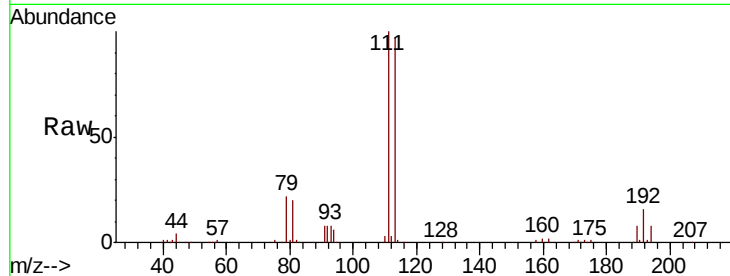




#35
 Dibromofluoromethane
 Concen: 62.278 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.02 min
 Lab File: VF060684.D
 Acq: 9 Nov 2018 21:01

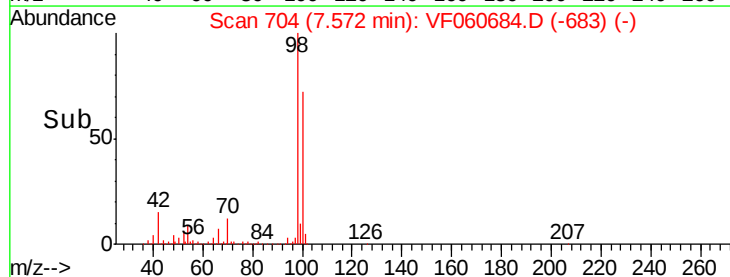
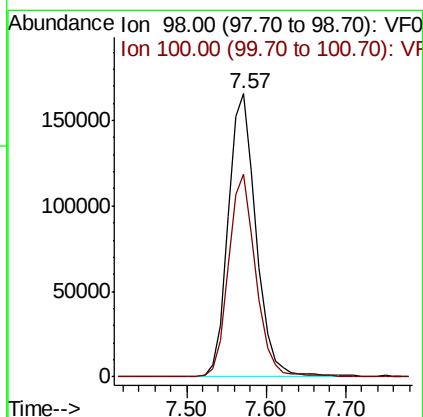
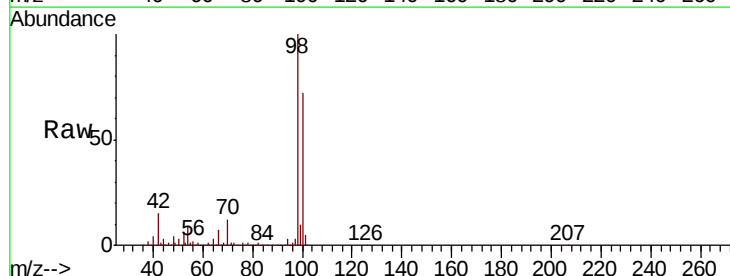
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-7-S

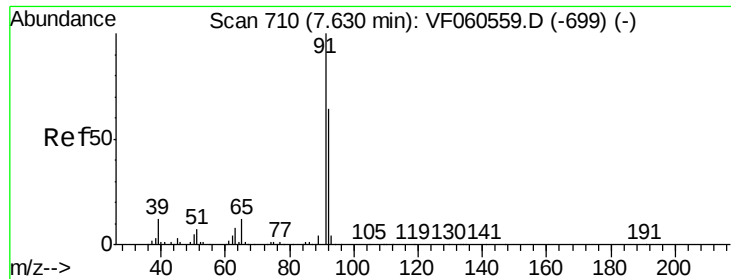
Tgt Ion:113 Resp: 167586
 Ion Ratio Lower Upper
 113 100
 111 103.6 79.9 119.9
 192 16.1 13.3 19.9



#50
 Toluene-d8
 Concen: 50.950 ug/l
 RT: 7.57 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VF060684.D
 Acq: 9 Nov 2018 21:01

Tgt Ion: 98 Resp: 406137
 Ion Ratio Lower Upper
 98 100
 100 71.8 59.4 89.2





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF060684.D

Acq: 9 Nov 2018 21:01

Instrument :

MSVOA_F

ClientSampled :

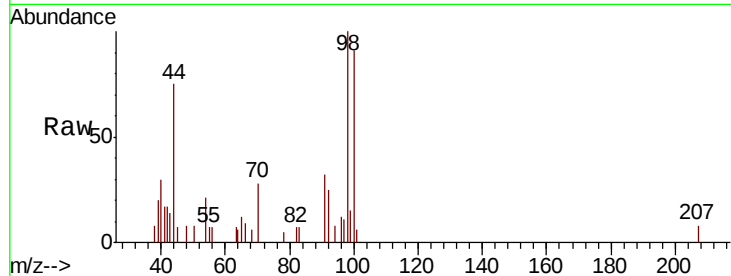
TP-7-S

Tgt Ion: 63 Resp: 77

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

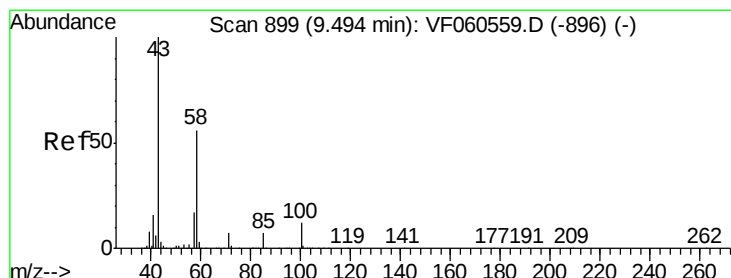
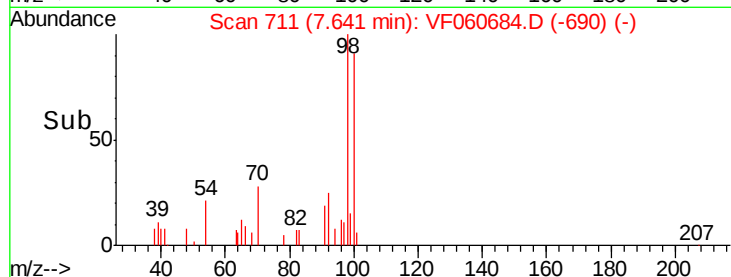
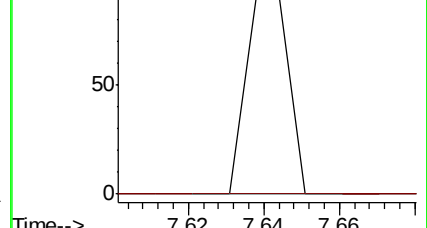
150

100

50

0

7.62 7.64 7.66



#59

2-Hexanone

Concen: Below Cal

RT: 9.52 min Scan# 901

Delta R.T. 0.02 min

Lab File: VF060684.D

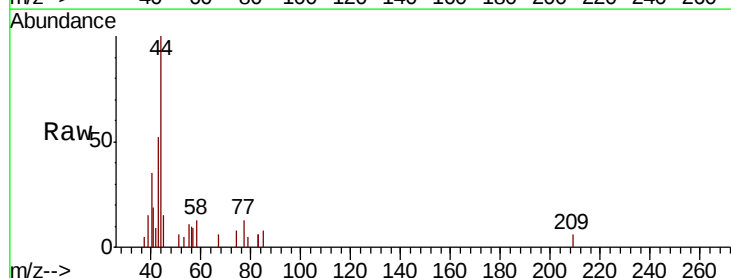
Acq: 9 Nov 2018 21:01

Tgt Ion: 43 Resp: 2352

Ion Ratio Lower Upper

43 100

58 25.8 26.1 78.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

1000

800

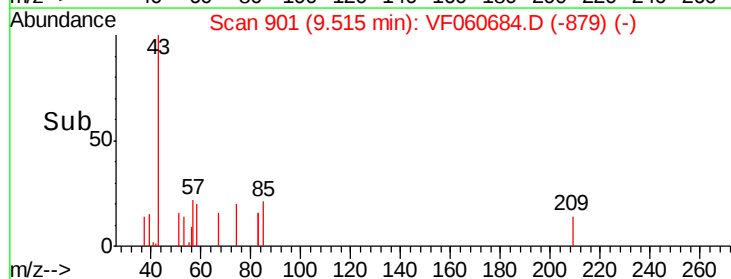
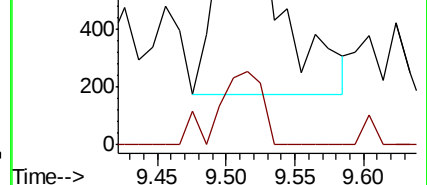
600

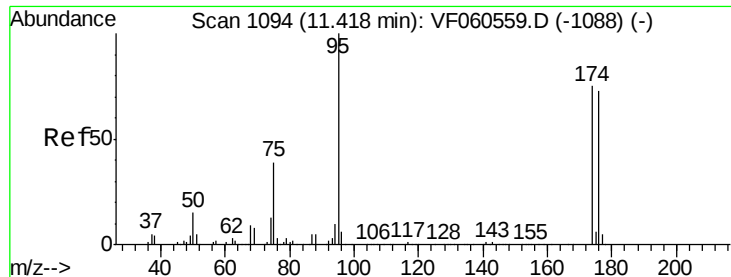
400

200

0

9.45 9.50 9.55 9.60

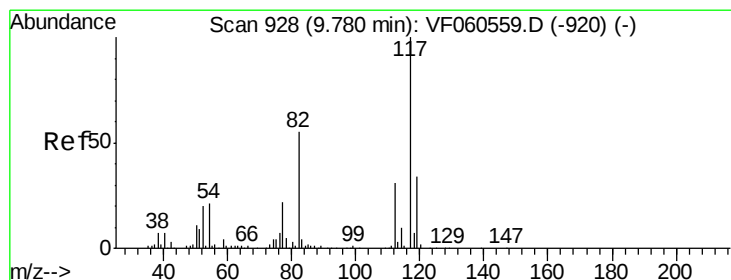
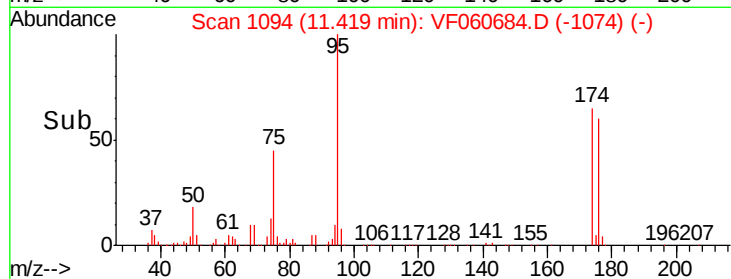
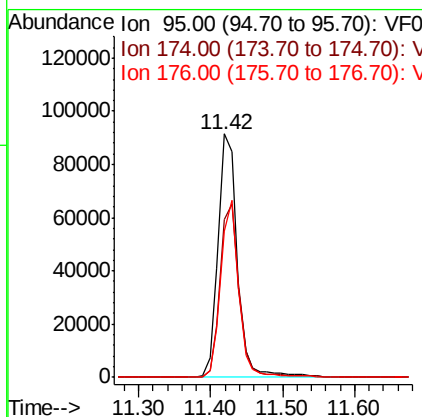
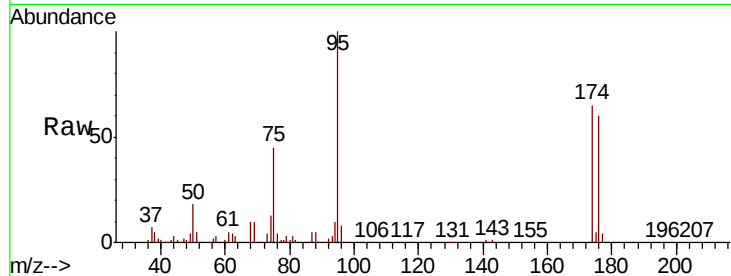




#62
4-Bromofluorobenzene
Concen: 48.336 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF060684.D
Acq: 9 Nov 2018 21:01

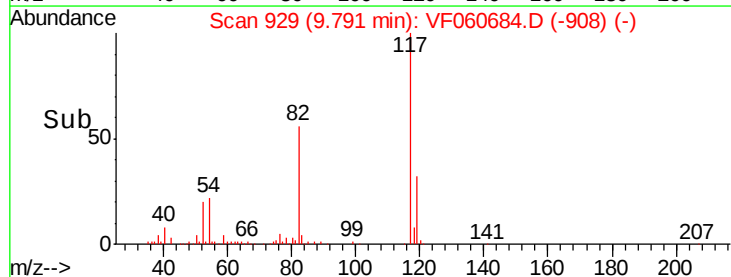
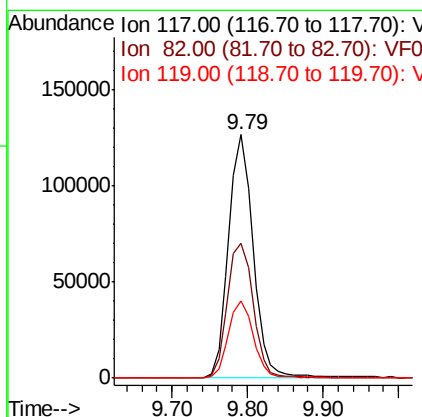
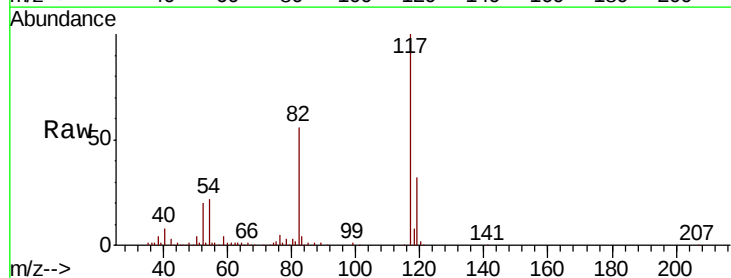
Instrument :
MSVOA_F
ClientSampleId :
TP-7-S

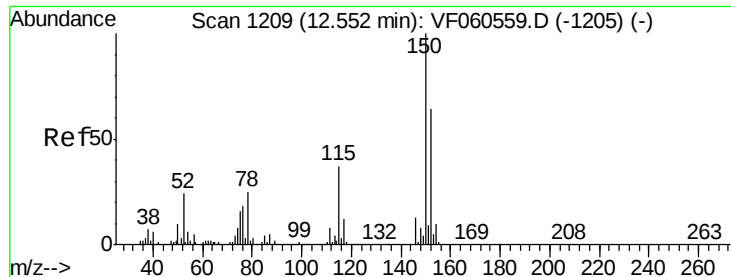
Tgt Ion: 95 Resp: 168538
Ion Ratio Lower Upper
95 100
174 64.7 0.0 149.0
176 60.3 0.0 145.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF060684.D
Acq: 9 Nov 2018 21:01

Tgt Ion: 117 Resp: 287492
Ion Ratio Lower Upper
117 100
82 55.6 43.9 65.9
119 31.8 27.4 41.0



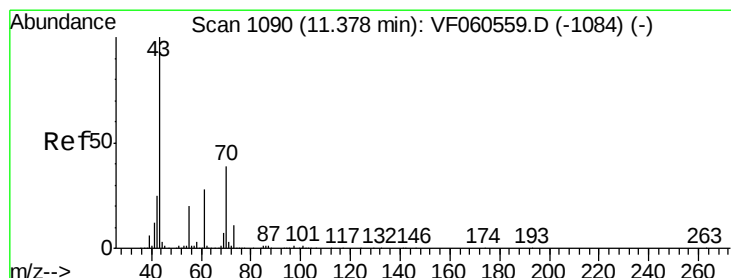
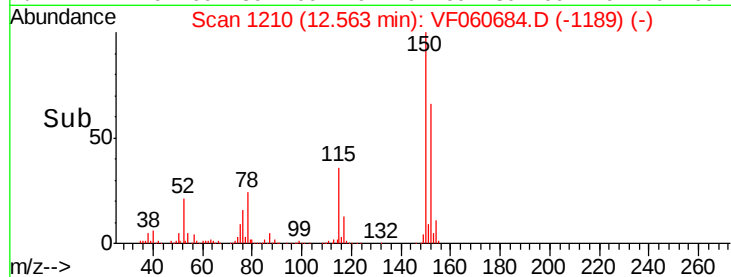
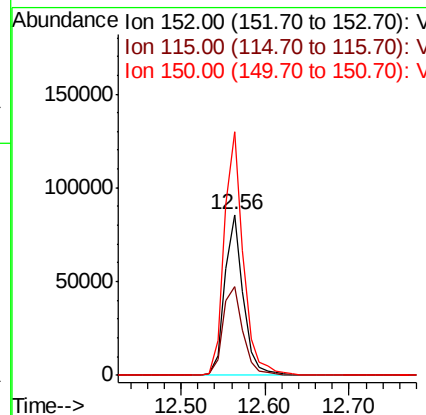
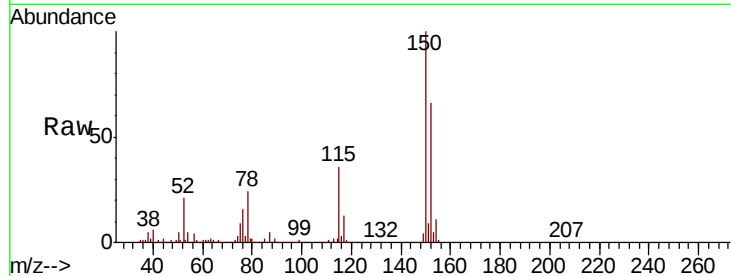


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF060684.D
Acq: 9 Nov 2018 21:01

Instrument :
MSVOA_F
ClientSampleId :
TP-7-S

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	29.6	88.8
150	151.6	0.0	315.6



#74

N-ethyl acetate
Concen: Below Cal
RT: 11.37 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VF060684.D
Acq: 9 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	40.3	16.6	24.8#
61	0.0	22.0	33.0#

