

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061890.D
 Acq On : 11 Mar 2019 15:31
 Operator : VA/AP
 Sample : K1824-05
 Misc : 5.11g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-26

Quant Time: Mar 12 05:11:56 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

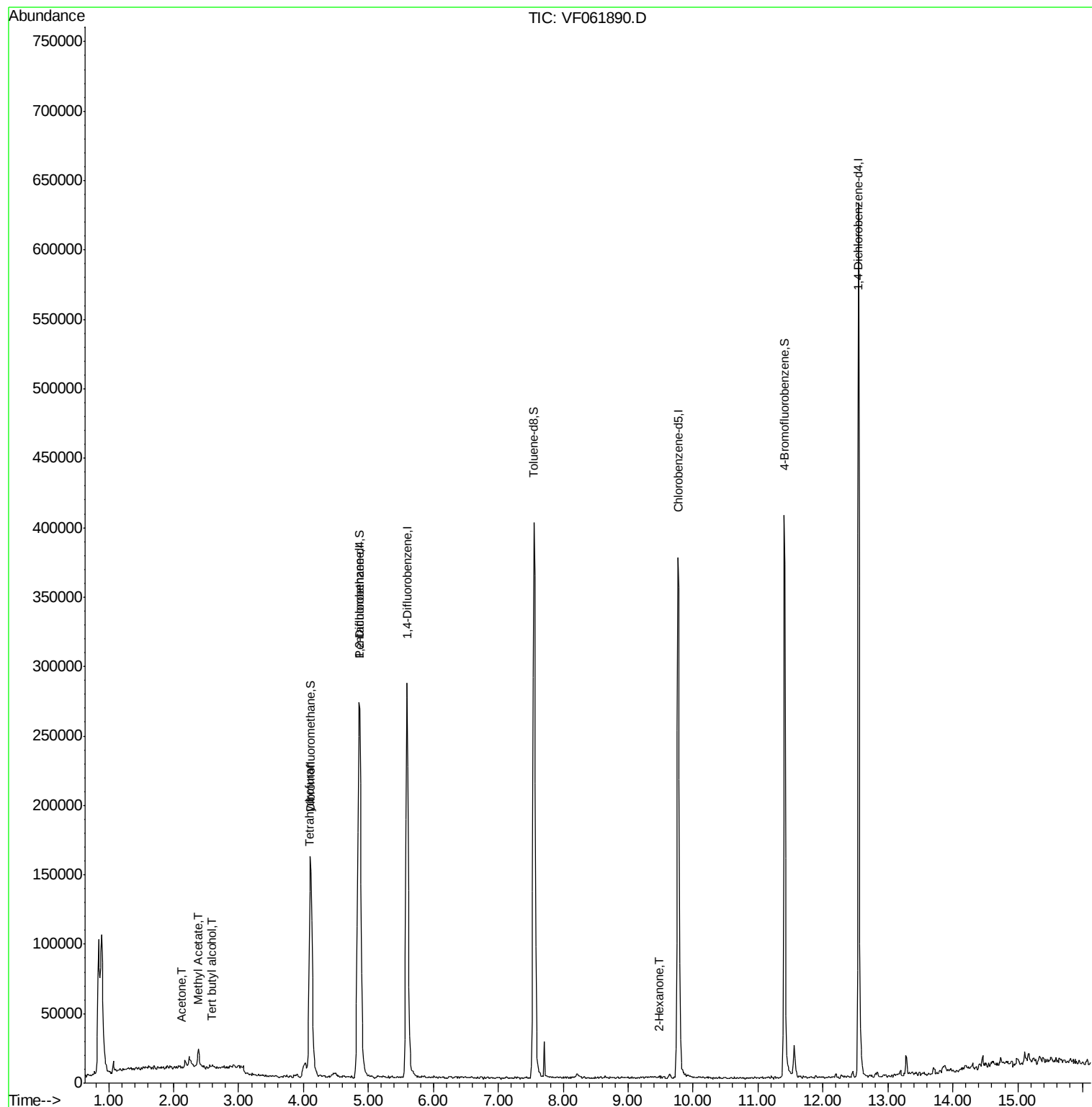
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	239551	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	365253	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	312580	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	175783	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	122642	70.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	140.60%	
35) Dibromofluoromethane	4.11	113	161277	63.27	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	126.54%	
50) Toluene-d8	7.55	98	362356	47.83	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.40	95	162625	54.80	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.60%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.58	59	112	1.131	ug/l #	1
16) Acetone	2.13	43	976	2.671	ug/l	94
18) Methyl Acetate	2.38	43	6380	1.155	ug/l #	62
20) Methylene Chloride	2.17	84	2353	Below Cal	#	90
29) Tetrahydrofuran	4.09	42	376	1.173	ug/l #	60
59) 2-Hexanone	9.48	43	971	1.091	ug/l	89

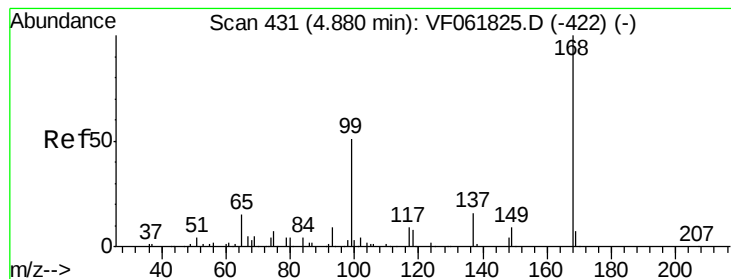
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061890.D

Acq: 11 Mar 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

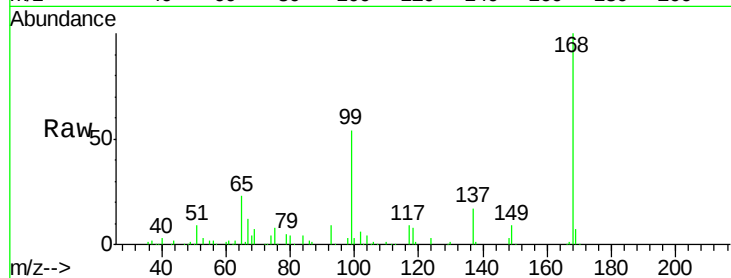
TP-26

Tot Ion:168 Resp: 239551

Ion Ratio Lower Upper

168 100

99 54.3 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

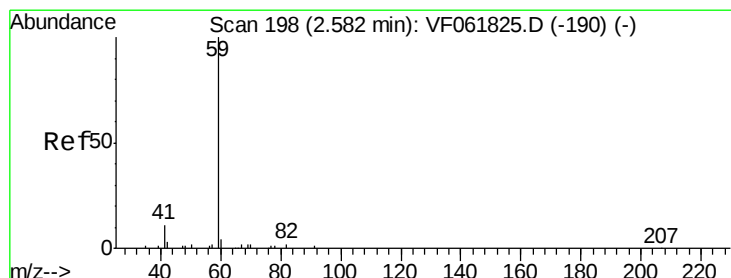
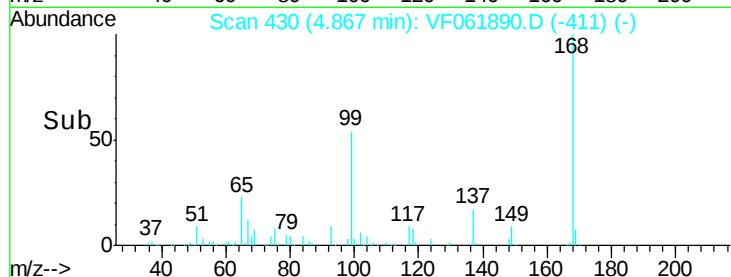
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 1.131 ug/l

RT: 2.58 min Scan# 198

Delta R.T. -0.00 min

Lab File: VF061890.D

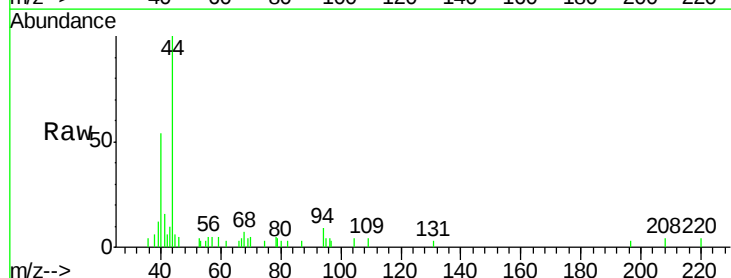
Acq: 11 Mar 2019 15:31

Tgt Ion: 59 Resp: 112

Ion Ratio Lower Upper

59 100

57 86.8 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

200

150

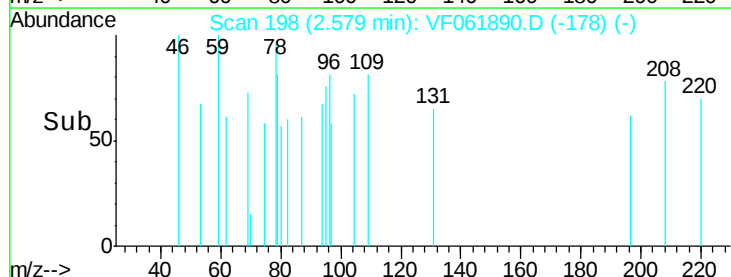
100

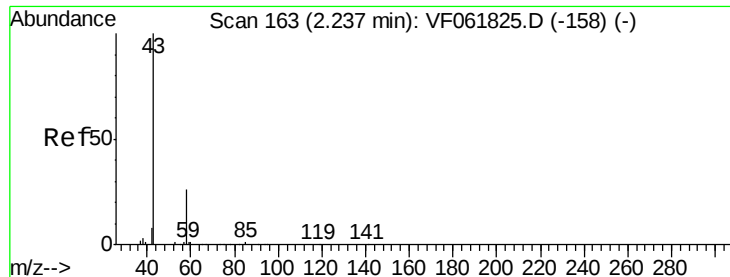
50

0

Time-->

2.54 2.56 2.58 2.60





#16

Acetone

Concen: 2.671 ug/l

RT: 2.13 min Scan# 152

Delta R.T. -0.11 min

Lab File: VF061890.D

Acq: 11 Mar 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

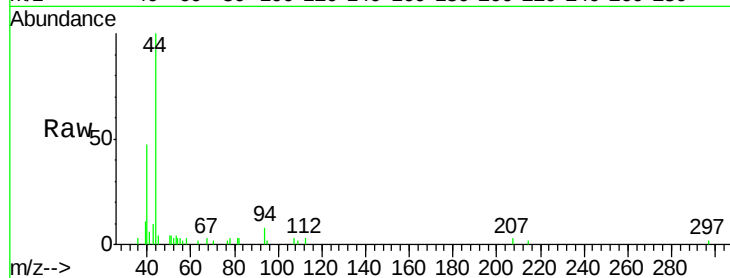
TP-26

Tot Ion: 43 Resp: 976

Ion Ratio Lower Upper

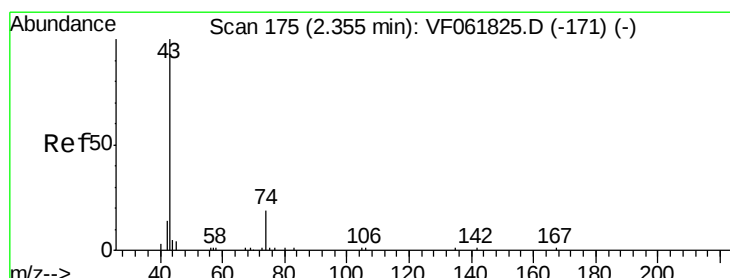
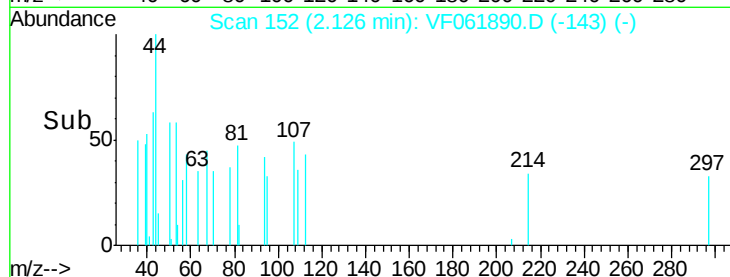
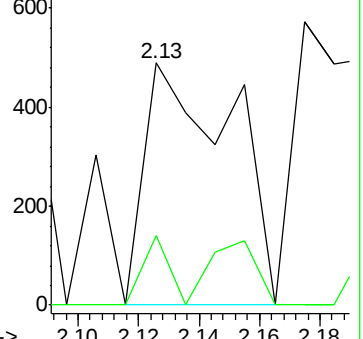
43 100

58 28.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 1.155 ug/l

RT: 2.38 min Scan# 178

Delta R.T. 0.03 min

Lab File: VF061890.D

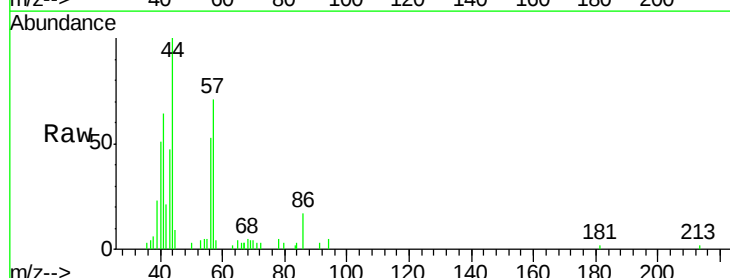
Acq: 11 Mar 2019 15:31

Tgt Ion: 43 Resp: 6380

Ion Ratio Lower Upper

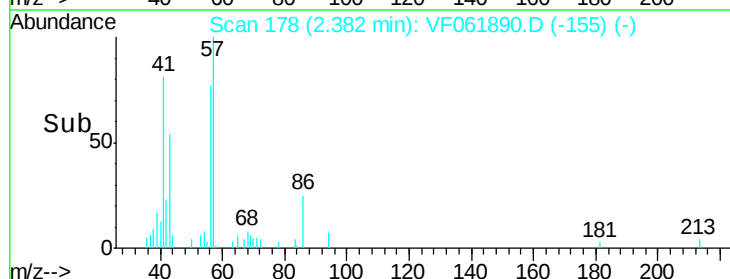
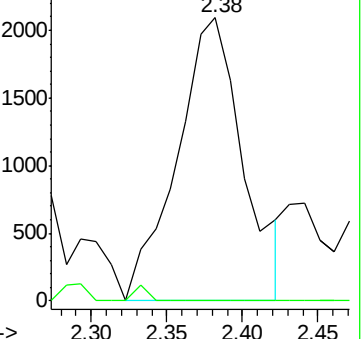
43 100

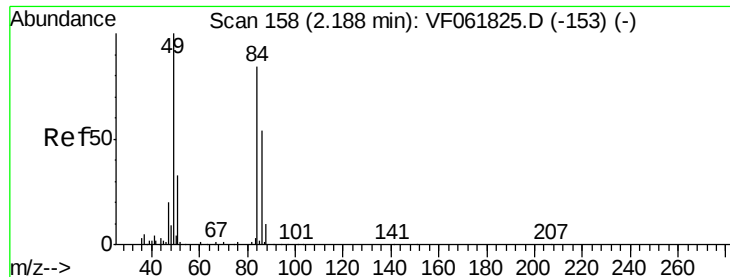
74 0.0 13.2 19.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

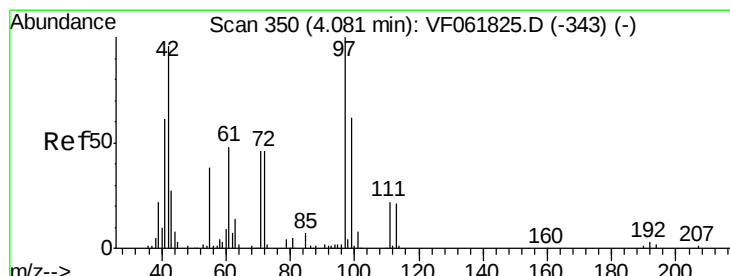
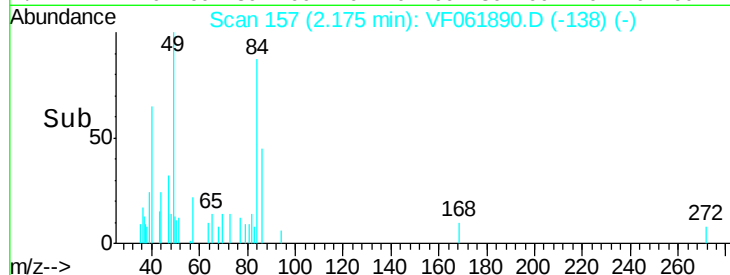
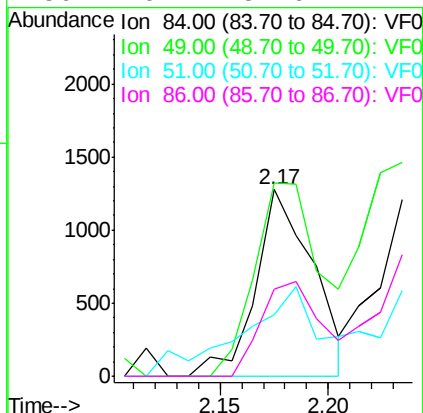
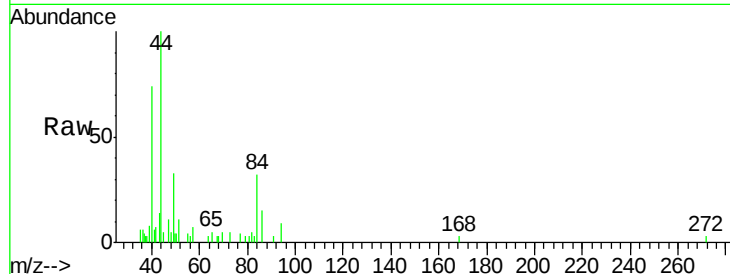




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.17 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061890.D
Acq: 11 Mar 2019 15:31

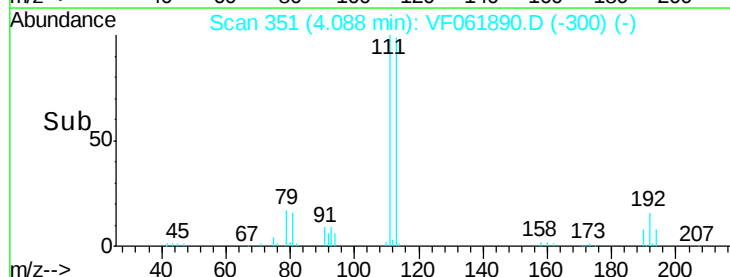
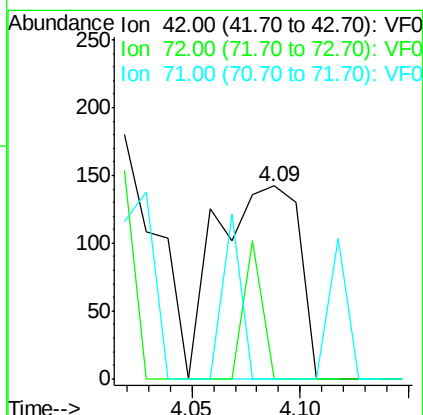
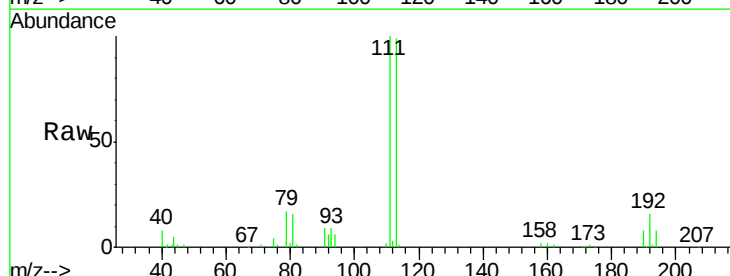
Instrument :
MSVOA_F
ClientSampleId :
TP-26

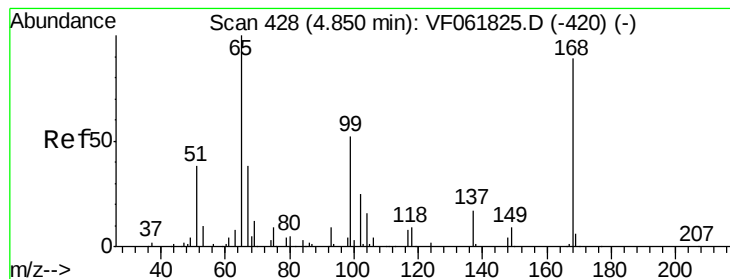
Tot Ion: 84 Resp: 2353
Ion Ratio Lower Upper
84 100
49 117.3 96.8 145.2
51 33.1 31.8 47.6
86 46.4 51.6 77.4#



#29
Tetrahydrofuran
Concen: 1.173 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061890.D
Acq: 11 Mar 2019 15:31

Tgt Ion: 42 Resp: 376
Ion Ratio Lower Upper
42 100
72 16.0 34.4 51.6#
71 19.1 34.6 52.0#





#33

1,2-Dichloroethane-d4

Concen: 70.301 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF061890.D

Acq: 11 Mar 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

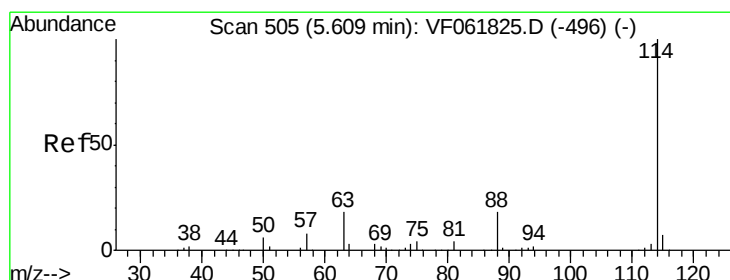
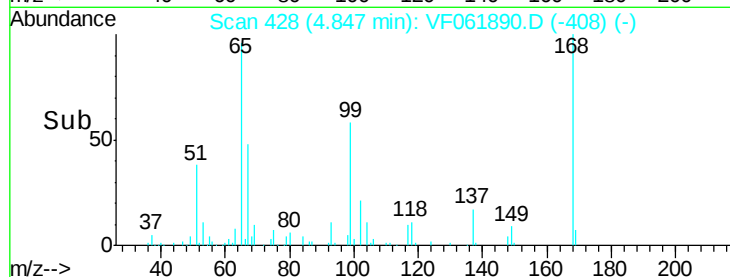
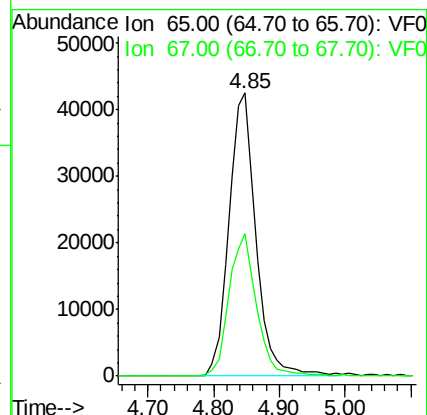
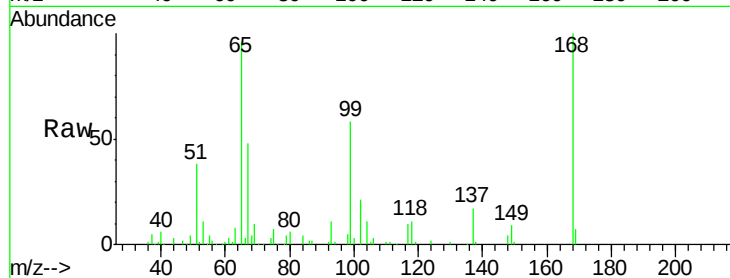
TP-26

Tot Ion: 65 Resp: 122642

Ion Ratio Lower Upper

65 100

67 50.5 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: VF061890.D

Acq: 11 Mar 2019 15:31

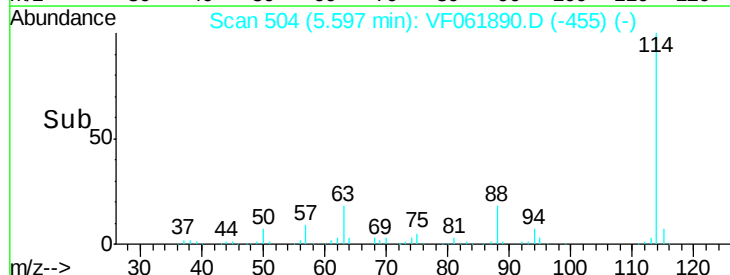
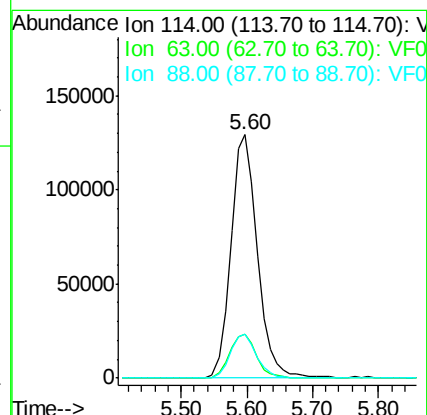
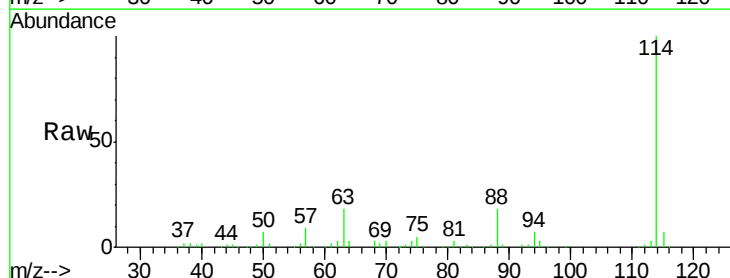
Tgt Ion: 114 Resp: 365253

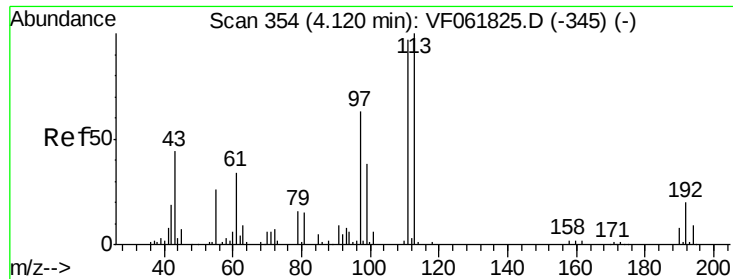
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 17.9 0.0 35.6

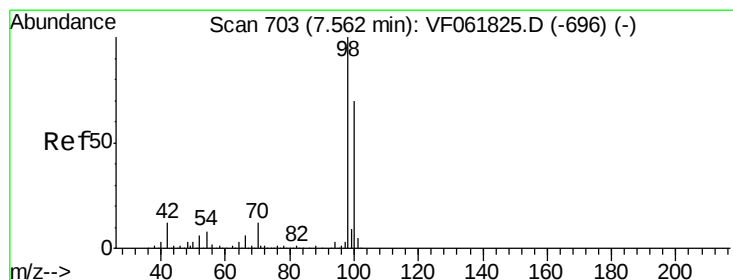
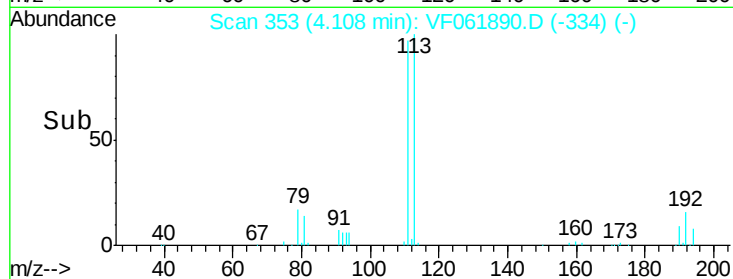
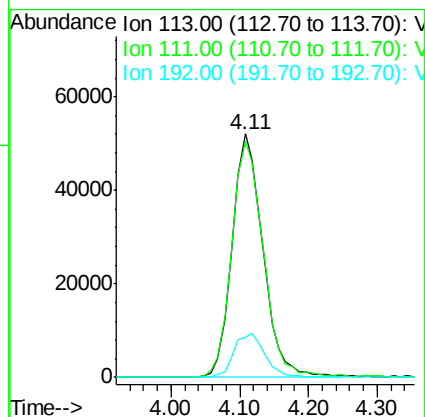
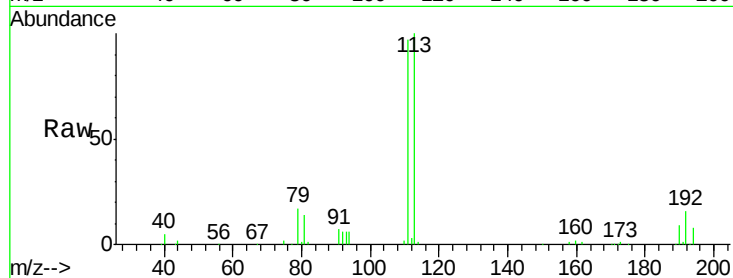




#35
 Dibromofluoromethane
 Concen: 63.271 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VF061890.D
 Acq: 11 Mar 2019 15:31

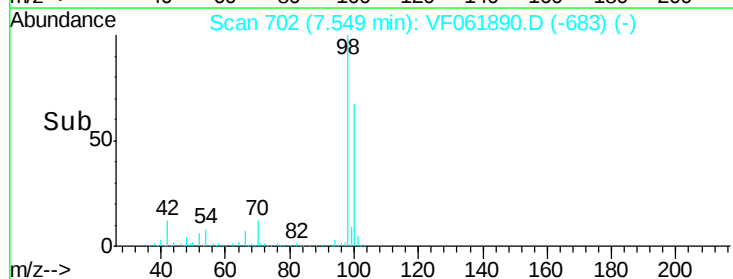
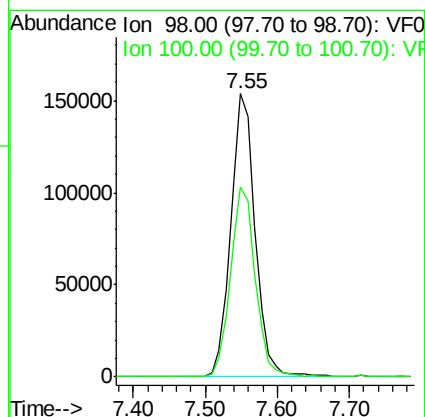
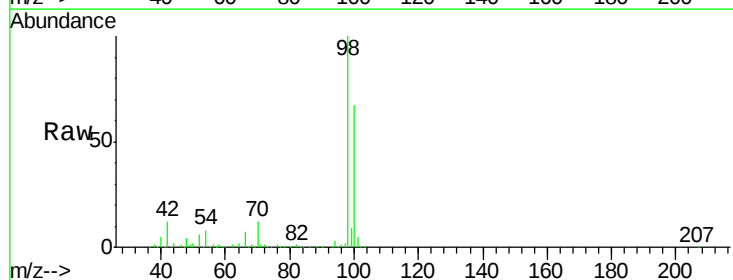
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-26

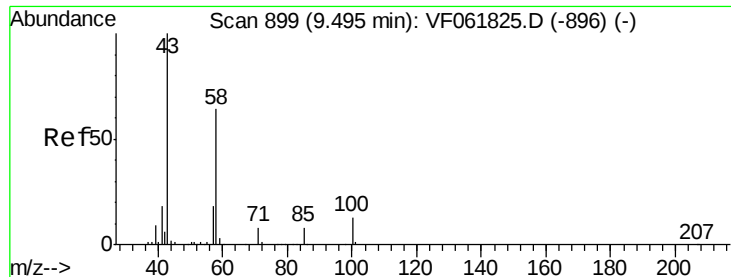
Tot Ion:113 Resp: 161277
 Ion Ratio Lower Upper
 113 100
 111 97.0 77.6 116.4
 192 16.3 15.9 23.9



#50
 Toluene-d8
 Concen: 47.827 ug/l
 RT: 7.55 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VF061890.D
 Acq: 11 Mar 2019 15:31

Tgt Ion: 98 Resp: 362356
 Ion Ratio Lower Upper
 98 100
 100 67.1 56.0 84.0

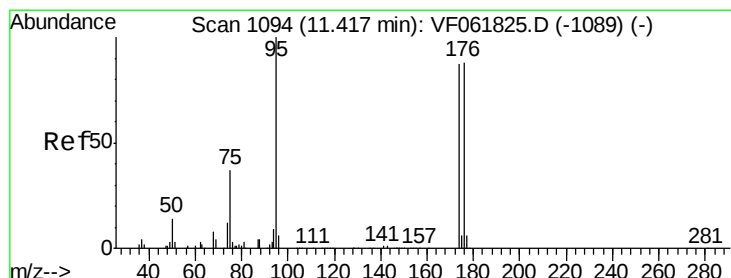
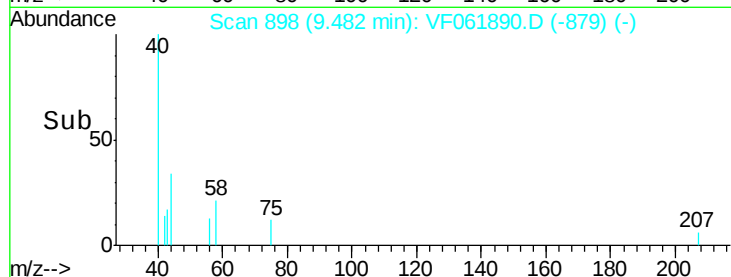
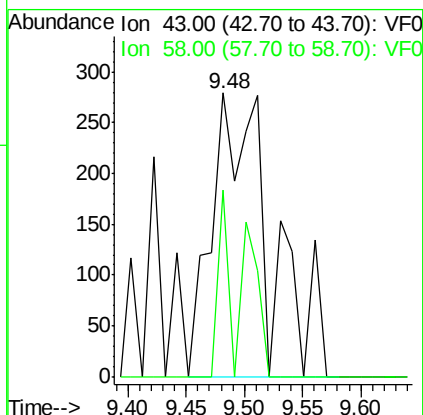
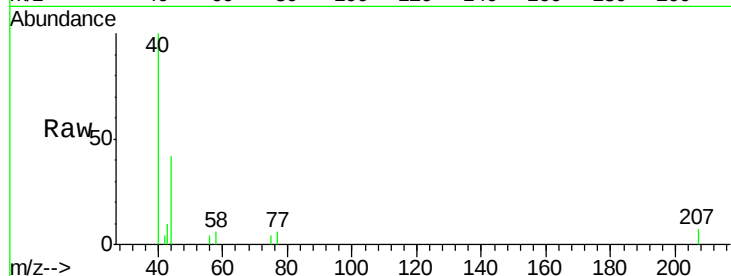




#59
2-Hexanone
Concen: 1.091 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061890.D
Acq: 11 Mar 2019 15:31

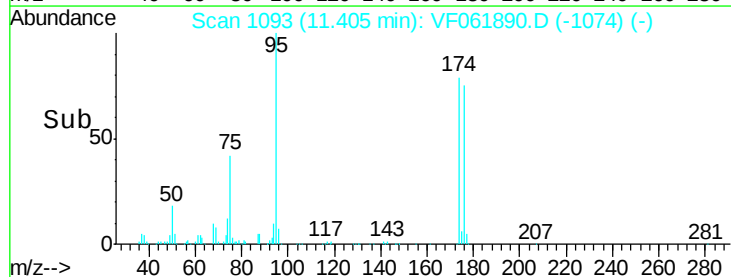
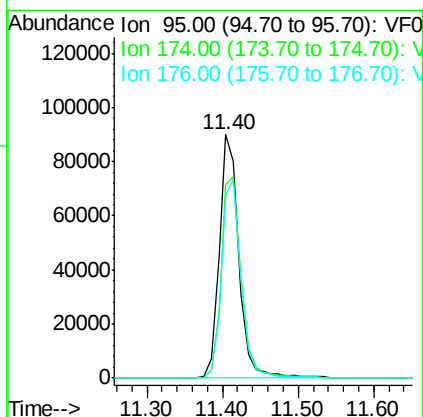
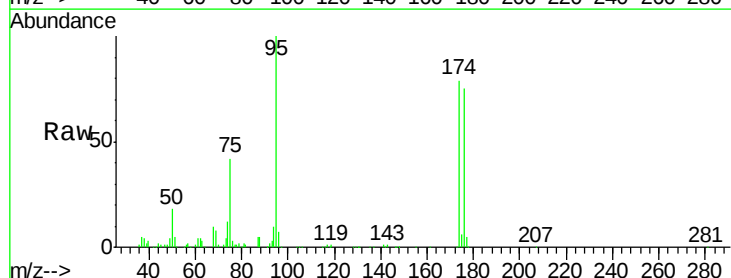
Instrument :
MSVOA_F
ClientSampled :
TP-26

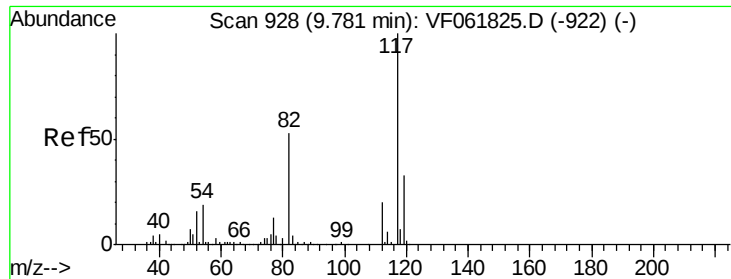
Tot Ion: 43 Resp: 971
Ion Ratio Lower Upper
43 100
58 65.9 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 54.796 ug/l
RT: 11.40 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061890.D
Acq: 11 Mar 2019 15:31

Tgt Ion: 95 Resp: 162625
Ion Ratio Lower Upper
95 100
174 79.3 0.0 174.0
176 74.8 0.0 175.2

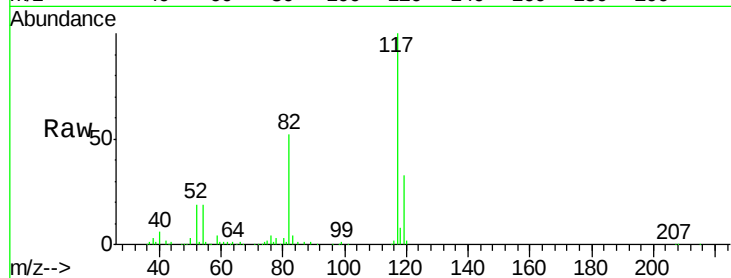




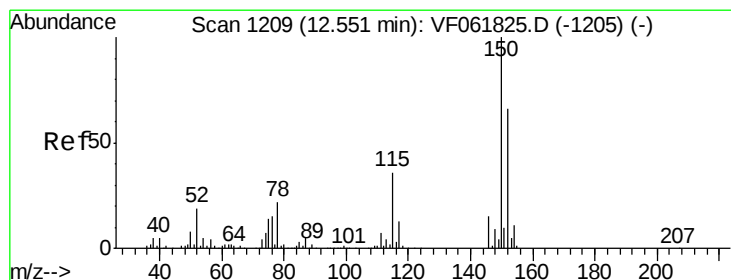
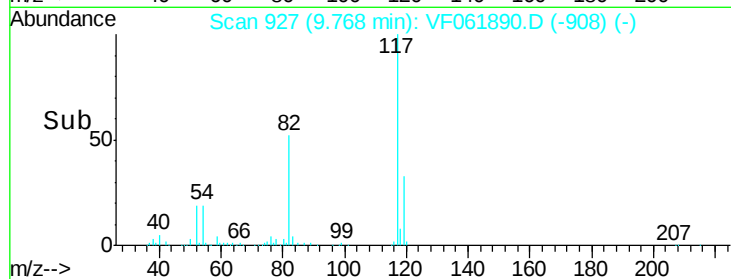
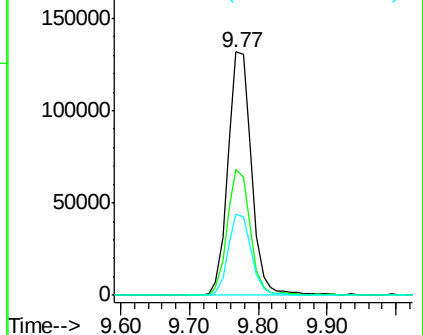
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061890.D
Acq: 11 Mar 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :
TP-26

Tot Ion:117 Resp: 312580
Ion Ratio Lower Upper
117 100
82 51.9 42.6 63.8
119 33.3 26.0 39.0

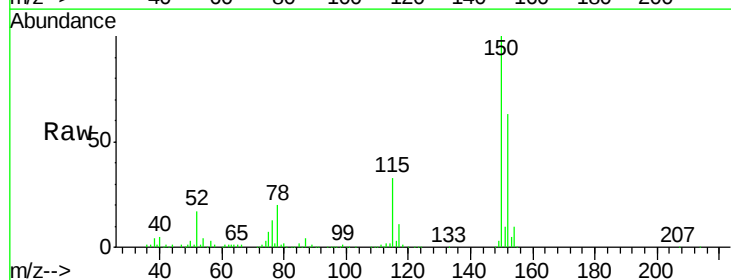


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061890.D
Acq: 11 Mar 2019 15:31

Tgt Ion:152 Resp: 175783
Ion Ratio Lower Upper
152 100
115 51.9 27.7 83.1
150 157.5 0.0 304.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

