

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
 Data File : VF061353.D
 Acq On : 10 Jan 2019 19:37
 Operator : VA/AP
 Sample : K1100-05RE
 Misc : 5.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 11 00:32:57 2019
 Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.87
34) 1,4-Difluorobenzene	5.47	114	70	50.00	ug/l	-0.13
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.79
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.56

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

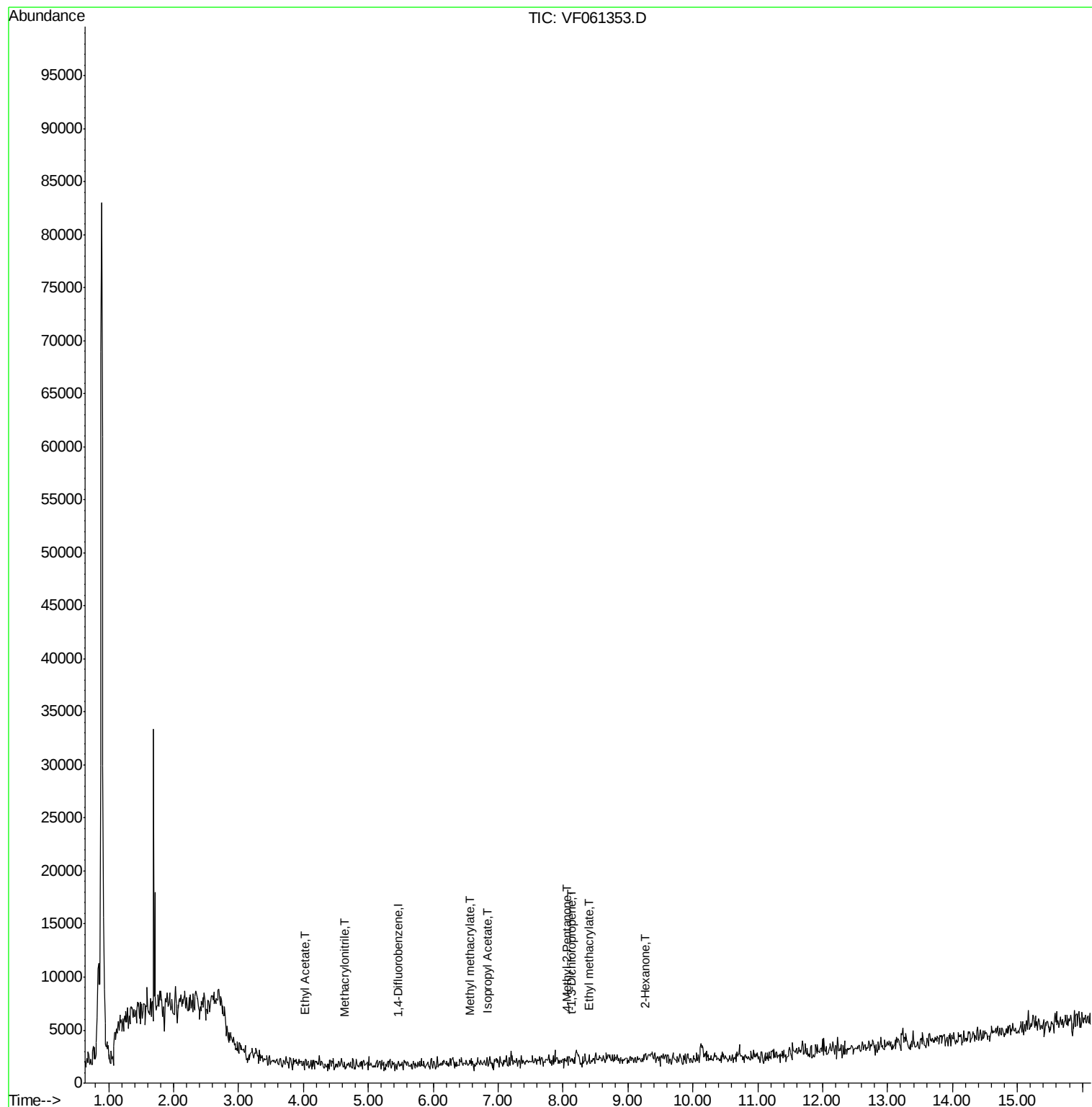
Target Compounds

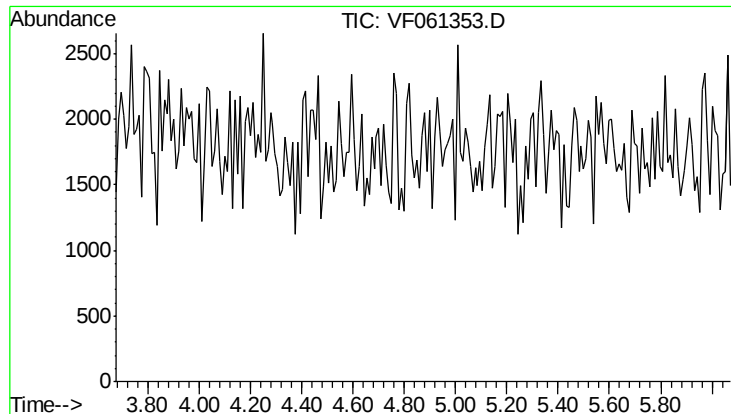
						Qvalue
37) Ethyl Acetate	4.03	43	160	537.495	ug/l #	1
41) Methacrylonitrile	4.63	41	143	860.235	ug/l #	25
43) Isopropyl Acetate	6.83	43	61	155.214	ug/l #	45
48) Methyl methacrylate	6.57	41	94	368.488	ug/l #	48
51) 4-Methyl-2-Pentanone	8.06	43	133	448.356	ug/l #	38
53) t-1,3-Dichloropropene	8.14	75	66	113.407	ug/l #	44
56) Ethyl methacrylate	8.39	69	63	164.221	ug/l #	20
59) 2-Hexanone	9.27	43	126	599.560	ug/l #	27

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

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061353.D

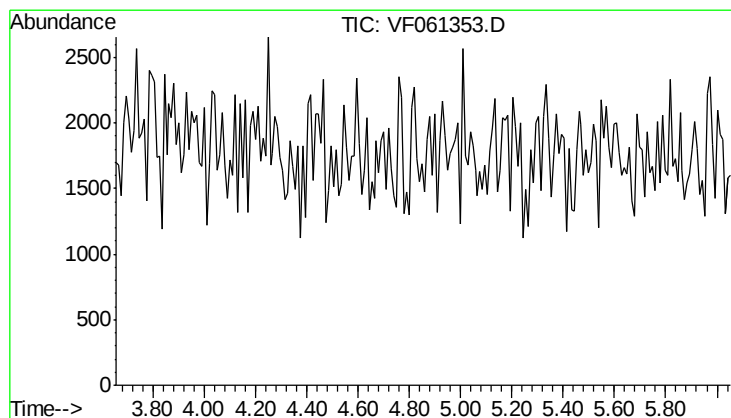
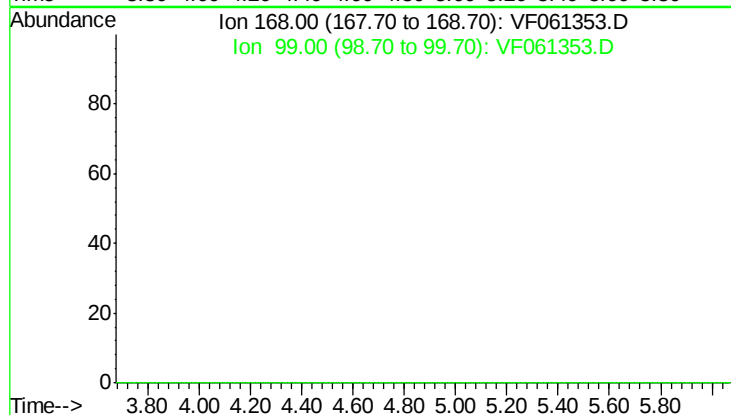
Acq: 10 Jan 2019 19:37

Tot Ion: 168

Sig Exp Ratio

168 100

99 65.9



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 4.85 min

Lab File: VF061353.D

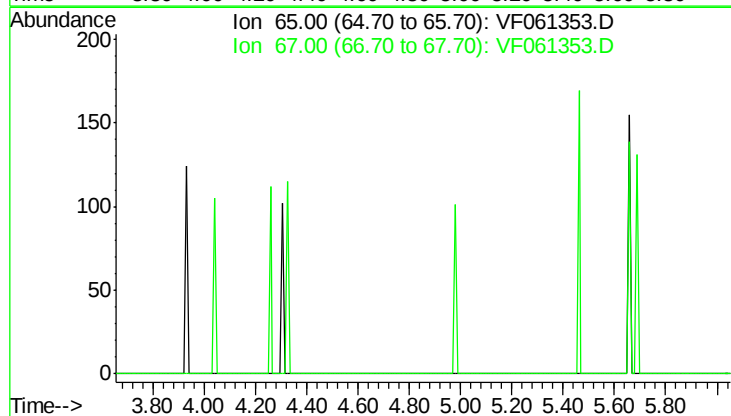
Acq: 10 Jan 2019 19:37

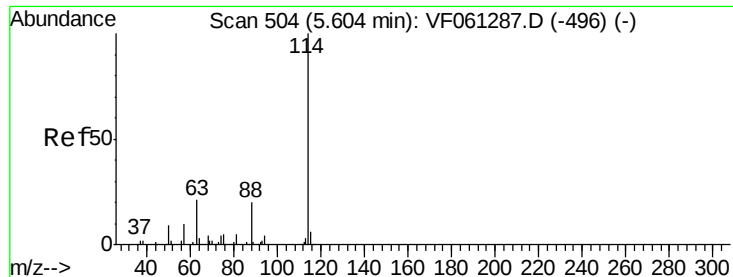
Tgt Ion: 65

Sig Exp Ratio

65 100

67 49.1





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.47 min Scan# 491

Delta R.T. -0.13 min

Lab File: VF061353.D

Acq: 10 Jan 2019 19:37

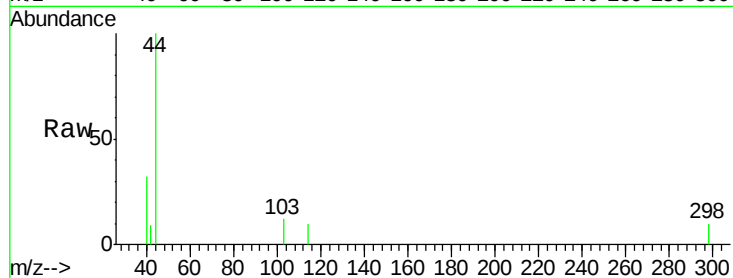
Tot Ion:114 Resp: 70

Ion Ratio Lower Upper

114 100

63 0.0 0.0 42.8

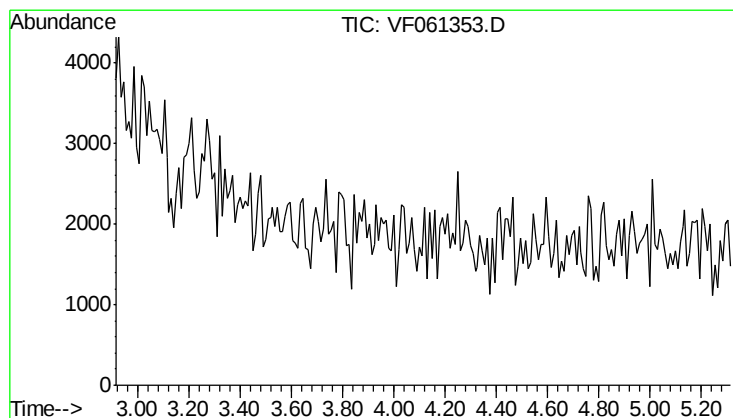
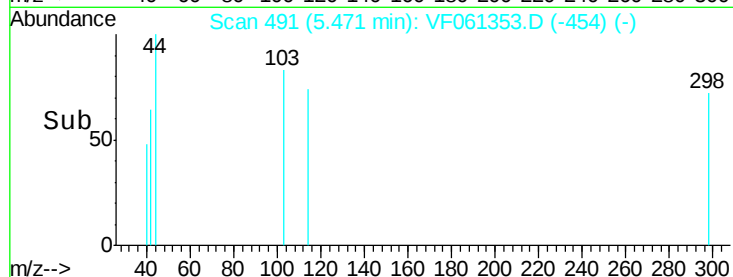
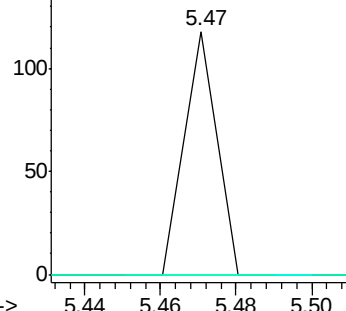
88 0.0 0.0 40.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 4.11 min

Lab File: VF061353.D

Acq: 10 Jan 2019 19:37

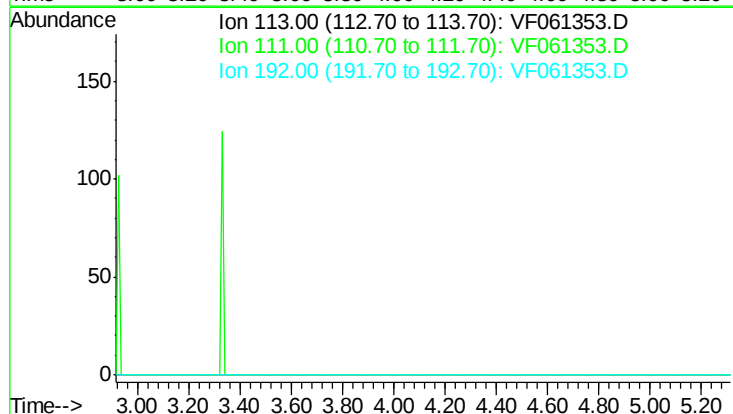
Tgt Ion: 113

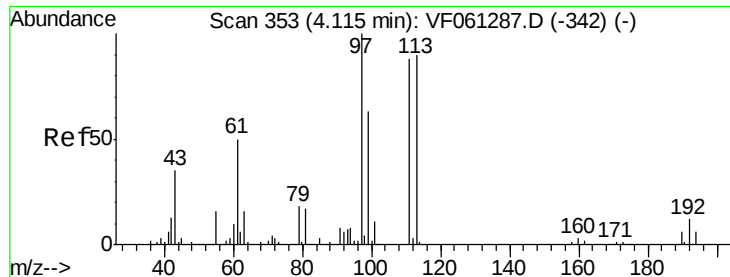
Sig Exp Ratio

113 100

111 97.5

192 13.3





#37

Ethyl Acetate

Concen: 537.495 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.08 min

Lab File: VF061353.D

Acq: 10 Jan 2019 19:37

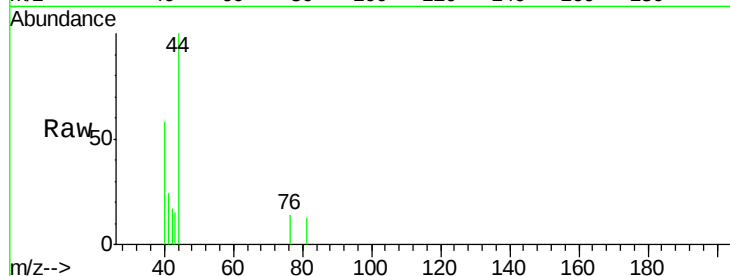
Tot Ion: 43 Resp: 160

Ion Ratio Lower Upper

43 100

61 0.0 113.3 169.9#

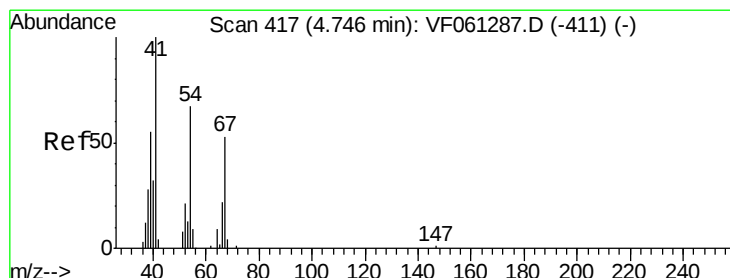
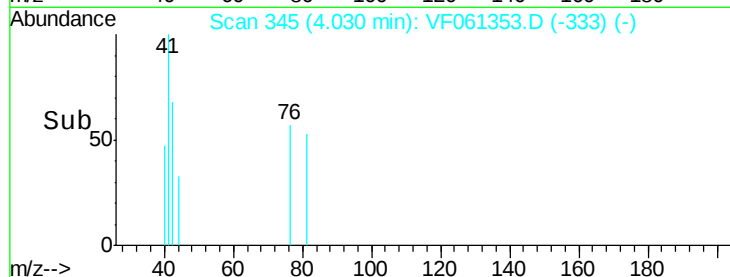
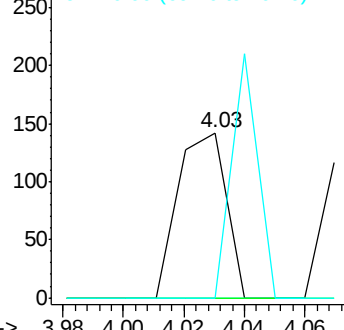
70 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#41

Methacrylonitrile

Concen: 860.235 ug/l

RT: 4.63 min Scan# 406

Delta R.T. -0.11 min

Lab File: VF061353.D

Acq: 10 Jan 2019 19:37

Tgt Ion: 41 Resp: 143

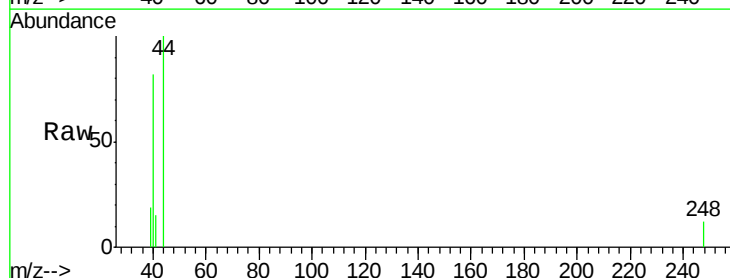
Ion Ratio Lower Upper

41 100

39 130.3 52.7 79.1#

67 0.0 41.4 62.2#

52 0.0 33.0 49.4#

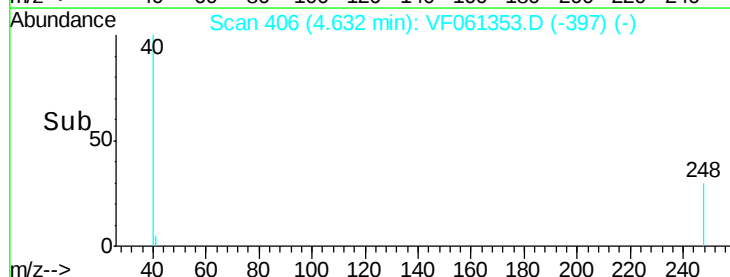
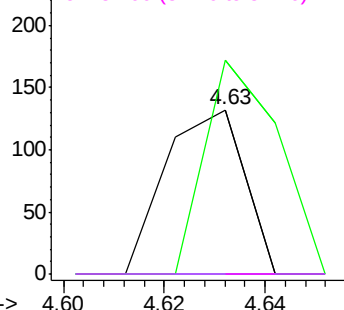


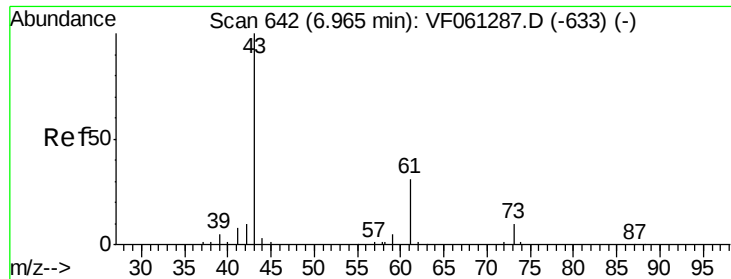
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

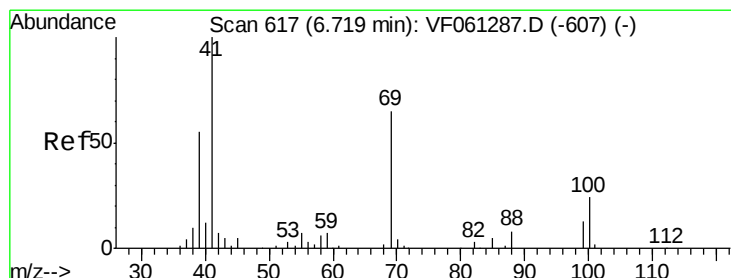
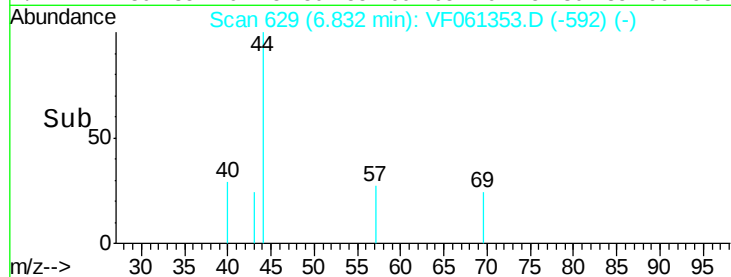
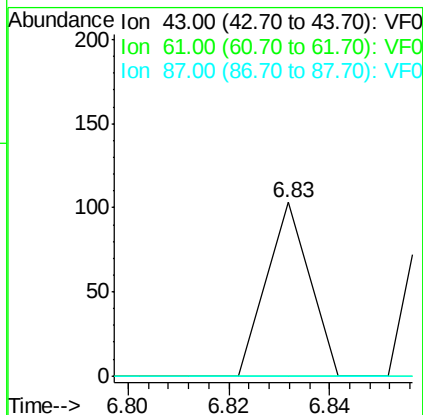
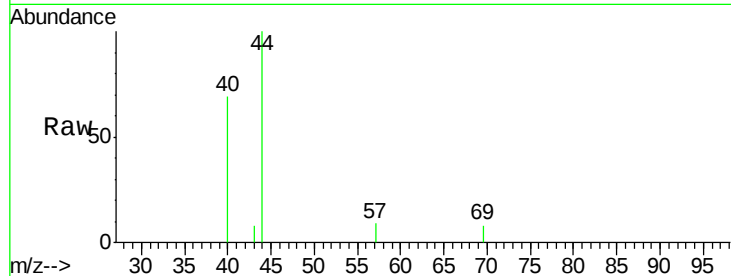




#43

Isopropyl Acetate
 Concen: 155.214 ug/l
 RT: 6.83 min Scan# 629
 Delta R.T. -0.13 min
 Lab File: VF061353.D
 Acq: 10 Jan 2019 19:37

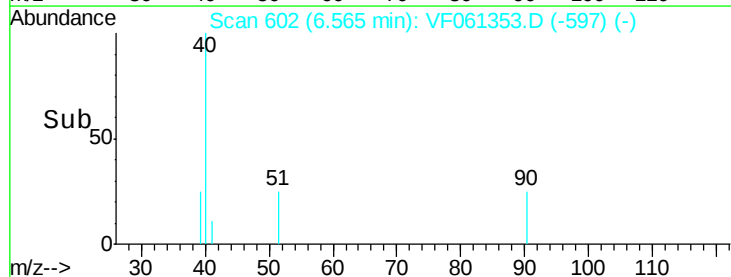
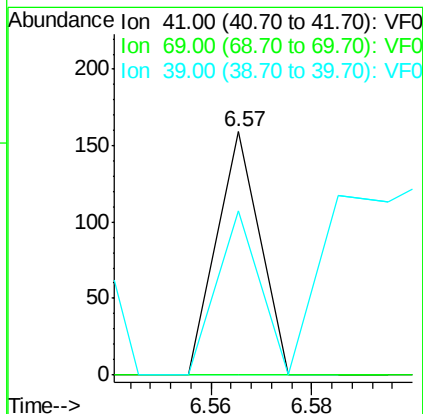
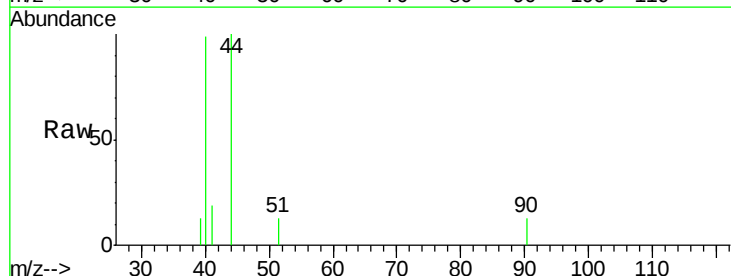
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.3	36.5#
87	0.0	0.2	0.4#

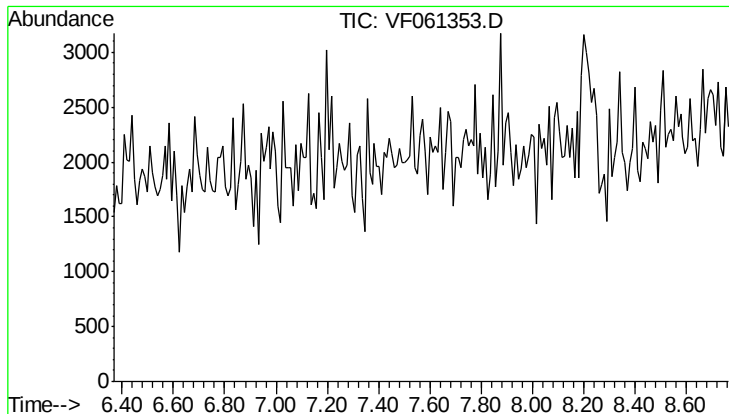


#48

Methyl methacrylate
 Concen: 368.488 ug/l
 RT: 6.57 min Scan# 602
 Delta R.T. -0.15 min
 Lab File: VF061353.D
 Acq: 10 Jan 2019 19:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.5	77.3#
39	67.3	44.1	66.1#

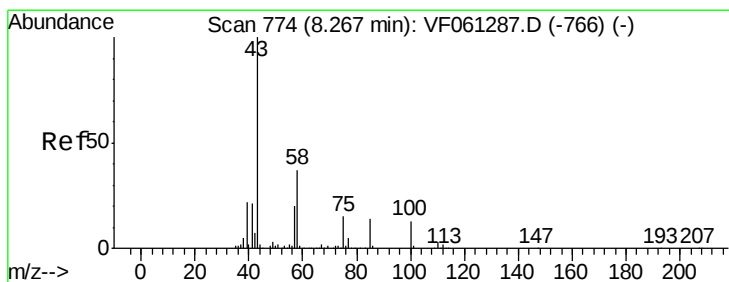
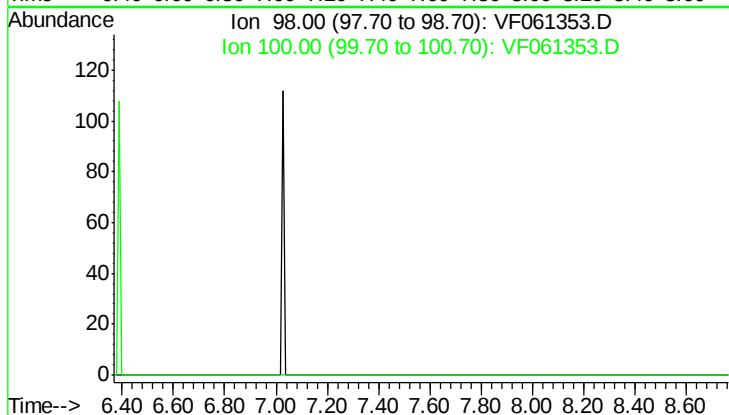




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.57 min

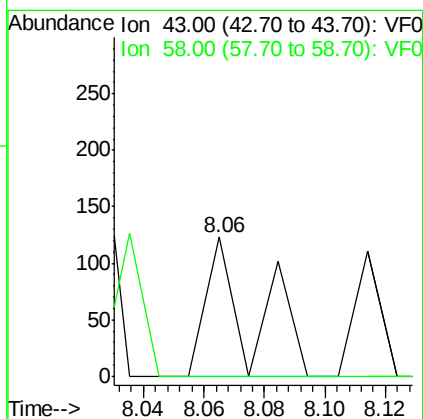
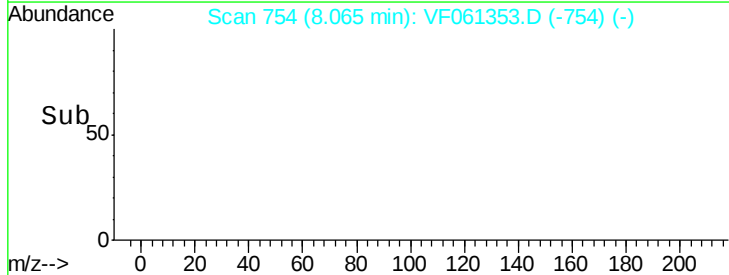
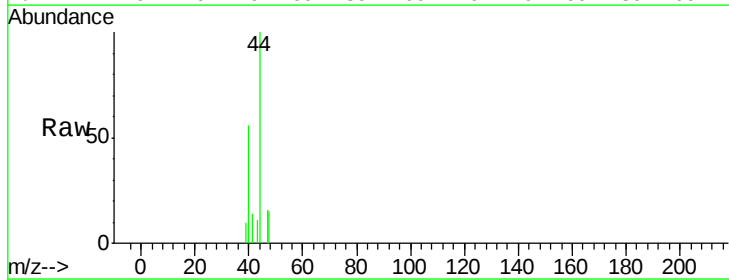
Lab File: VF061353.D
Acq: 10 Jan 2019 19:37

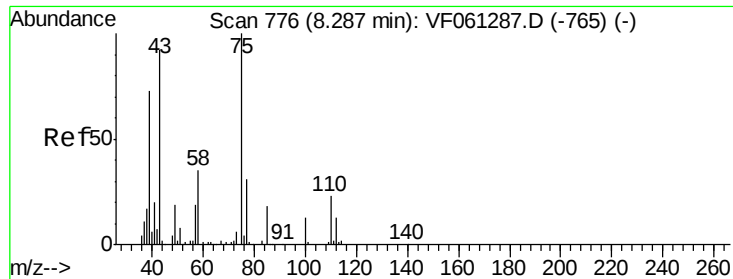
Tot Ion	98
Sig	Exp Ratio
98	100
100	69.5



#51
4-Methyl-2-Pentanone
Concen: 448.356 ug/l
RT: 8.06 min Scan# 754
Delta R.T. -0.20 min
Lab File: VF061353.D
Acq: 10 Jan 2019 19:37

Tgt Ion	43	Resp:	133
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.6	44.4#

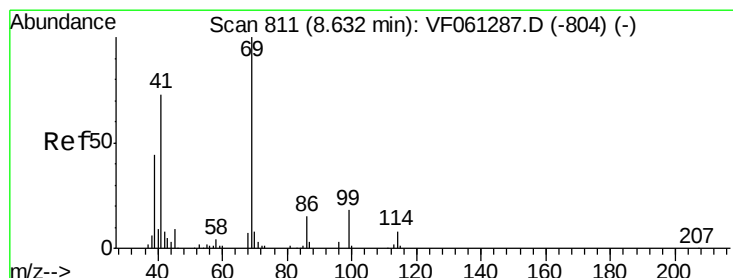
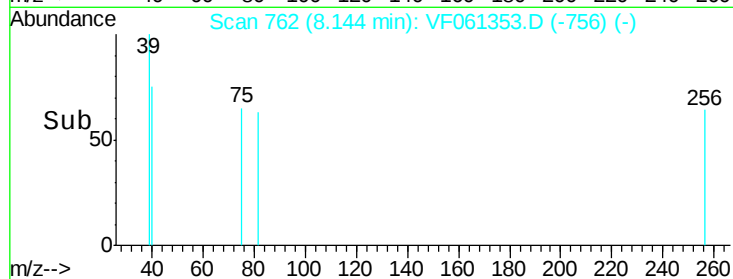
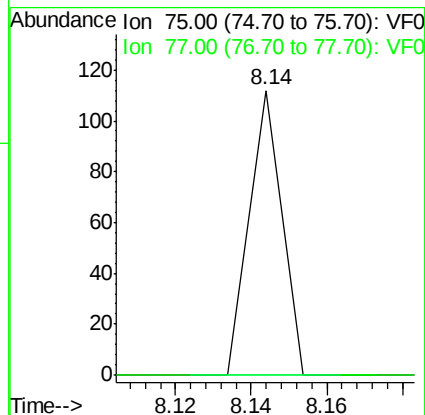
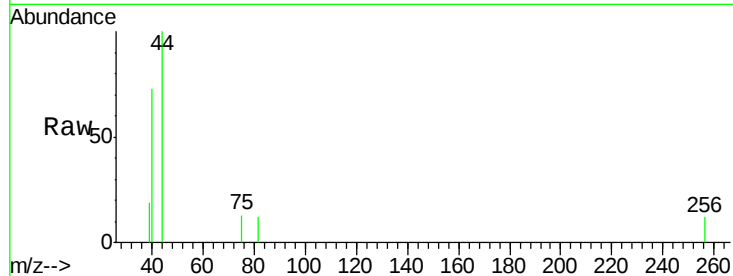




#53

t-1,3-Dichloropropene
 Concen: 113.407 ug/l
 RT: 8.14 min Scan# 762
 Delta R.T. -0.14 min
 Lab File: VF061353.D
 Acq: 10 Jan 2019 19:37

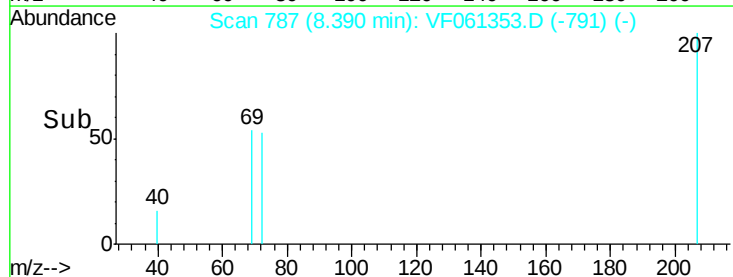
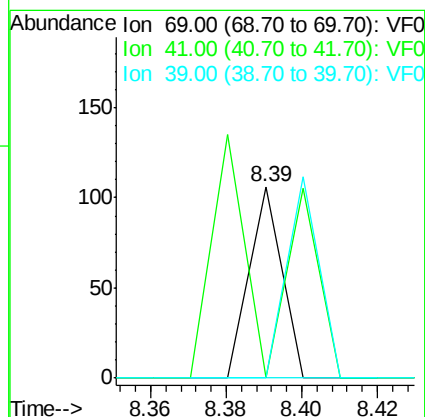
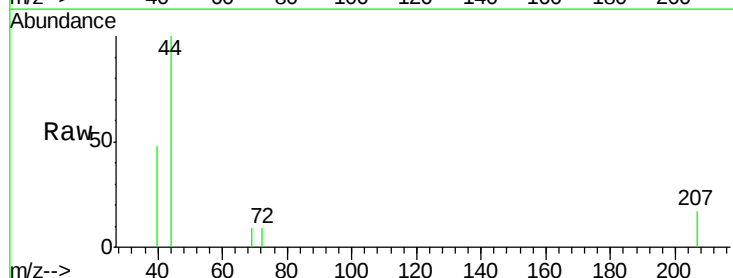
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.7	37.1#

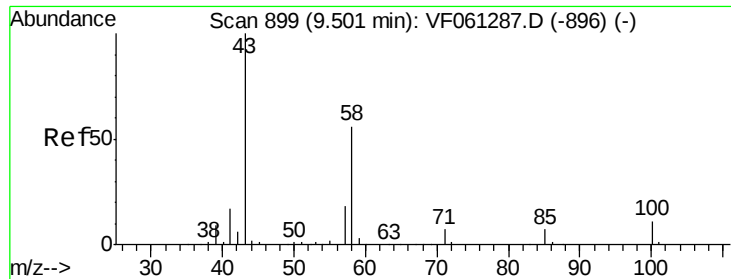


#56

Ethyl methacrylate
 Concen: 164.221 ug/l
 RT: 8.39 min Scan# 787
 Delta R.T. -0.24 min
 Lab File: VF061353.D
 Acq: 10 Jan 2019 19:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	59.0	88.4#
39	0.0	35.3	52.9#





#59

2-Hexanone

Concen: 599.560 ug/l

RT: 9.27 min Scan# 876

Delta R.T. -0.23 min

Lab File: VF061353.D

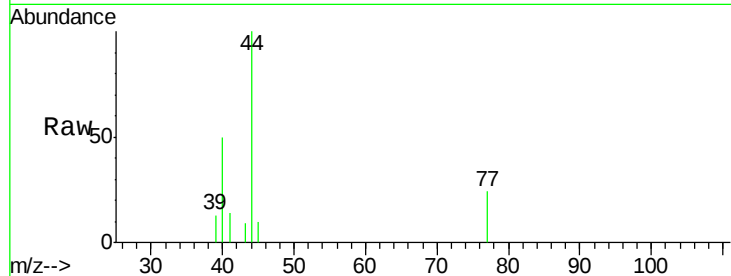
Acq: 10 Jan 2019 19:37

Tot Ion: 43 Resp: 126

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150

100

50

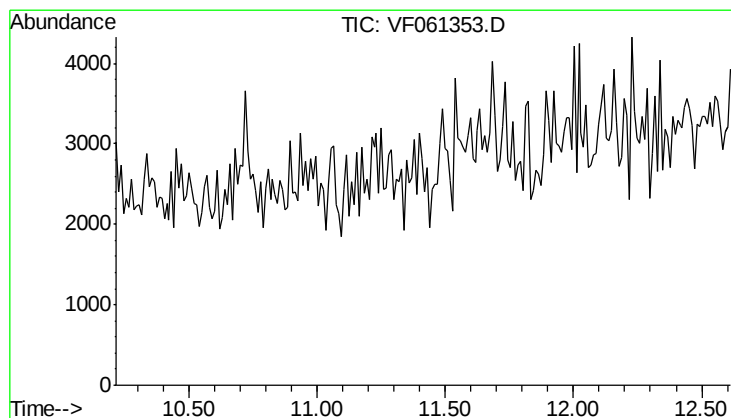
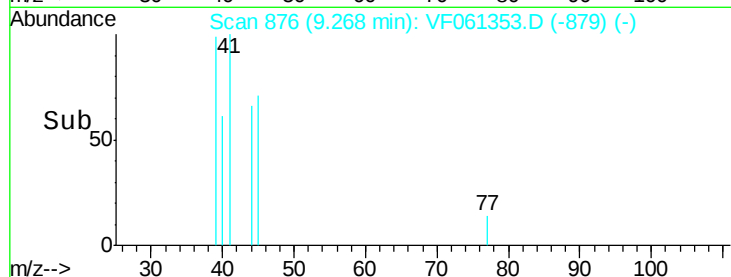
0

9.26

9.27

9.28

Time-->



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.41 min

Lab File: VF061353.D

Acq: 10 Jan 2019 19:37

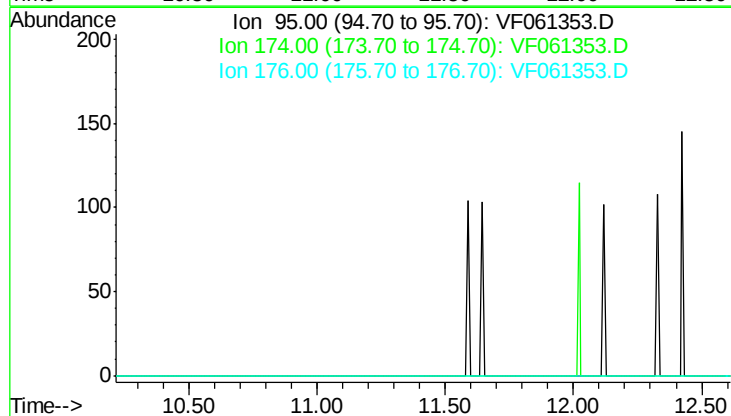
Tgt Ion: 95

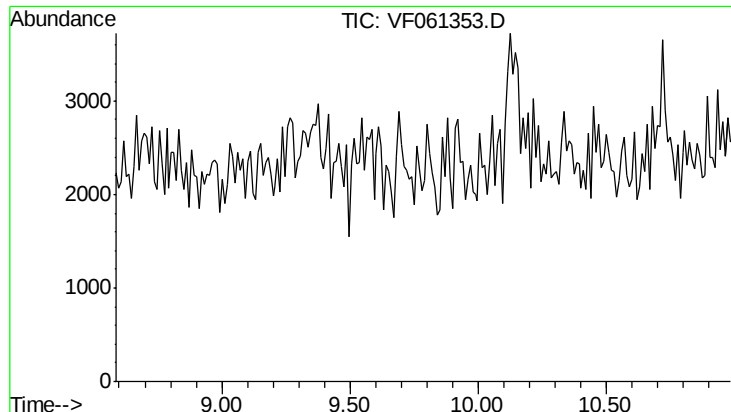
Sig Exp Ratio

95 100

174 57.1

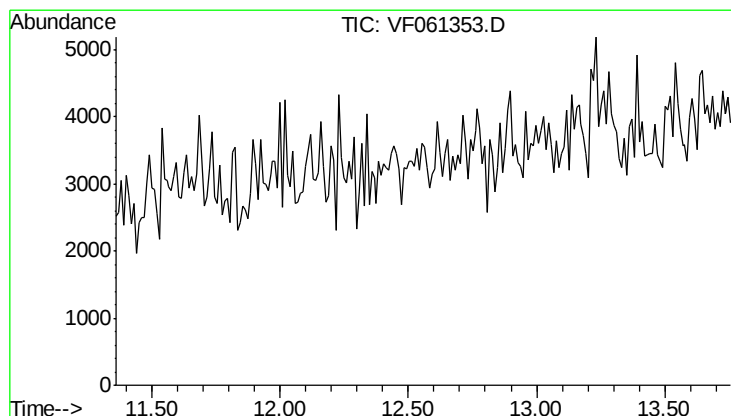
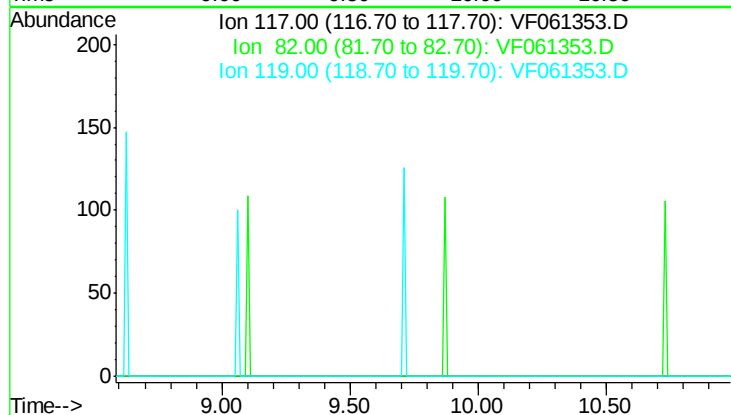
176 58.9





#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.79 min
 Lab File: VF061353.D
 Acq: 10 Jan 2019 19:37

Tot Ion	117
Sig	Exp Ratio
117	100
82	56.6
119	31.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.56 min
 Lab File: VF061353.D
 Acq: 10 Jan 2019 19:37

Tgt Ion	152
Sig	Exp Ratio
152	100
115	59.3
150	157.7

