

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
 Data File : VF061355.D
 Acq On : 10 Jan 2019 20:35
 Operator : VA/AP
 Sample : K1015-03
 Misc : 6.70µ/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 11 00:33:14 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	5.27	114	67	50.00	ug/l	-0.33
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	10.70	95	93	140.39	ug/l	-0.72
Spiked Amount	50.000		Recovery	=	280.78%	

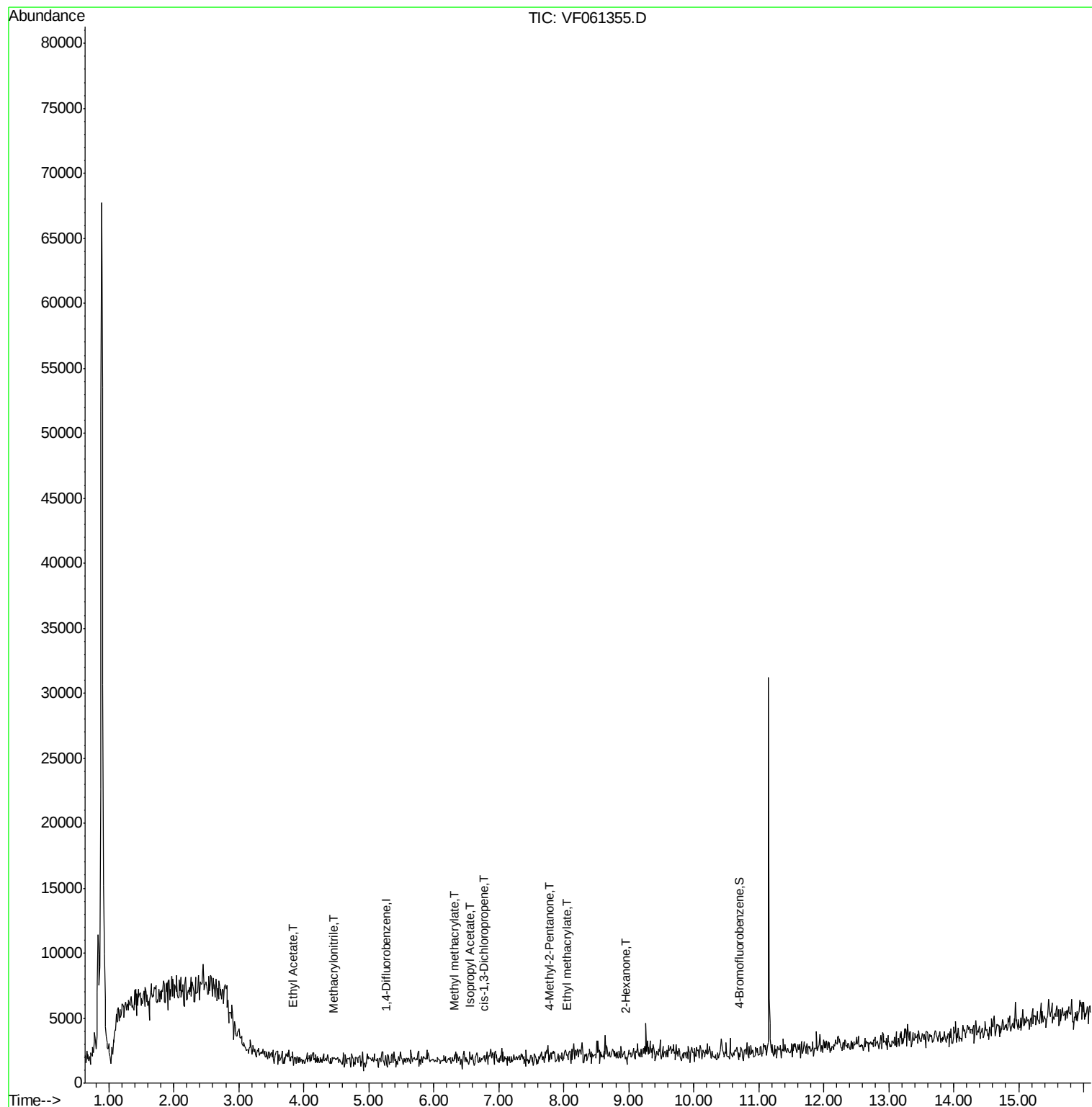
Target Compounds

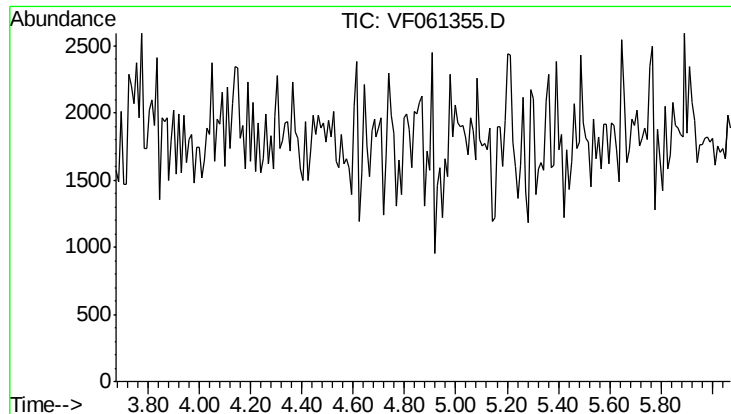
					Qvalue	
37) Ethyl Acetate	3.84	43	164	575.601	ug/l #	1
41) Methacrylonitrile	4.46	41	303	1904.350	ug/l #	24
43) Isopropyl Acetate	6.55	43	88	233.942	ug/l #	45
48) Methyl methacrylate	6.32	41	88	360.414	ug/l #	48
51) 4-Methyl-2-Pentanone	7.78	43	70	246.543	ug/l #	38
54) cis-1,3-Dichloropropene	6.76	75	95	128.626	ug/l #	29
56) Ethyl methacrylate	8.05	69	69	187.914	ug/l #	20
59) 2-Hexanone	8.97	43	134	666.178	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: VF061355.D

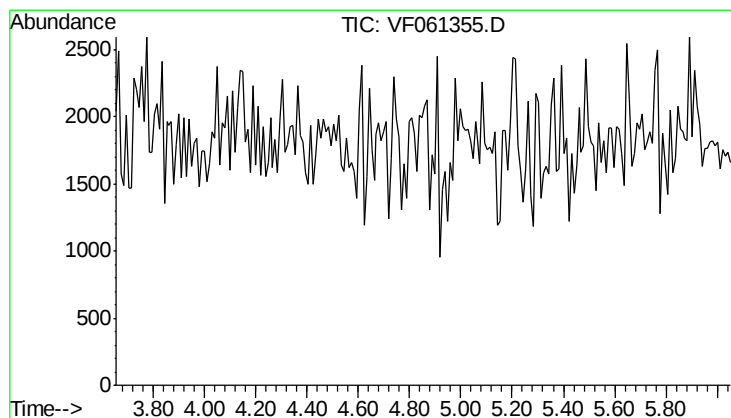
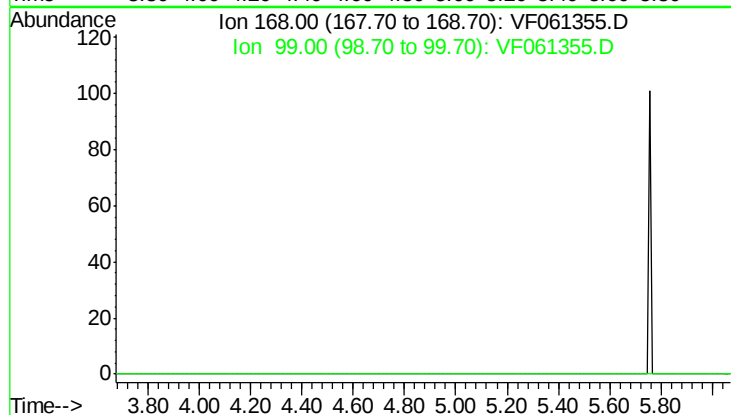
Acq: 10 Jan 2019 20:35

Tot Ion: 168

Sig	Exp Ratio
168	100
99	65.9

168

99



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 4.85 min

Lab File: VF061355.D

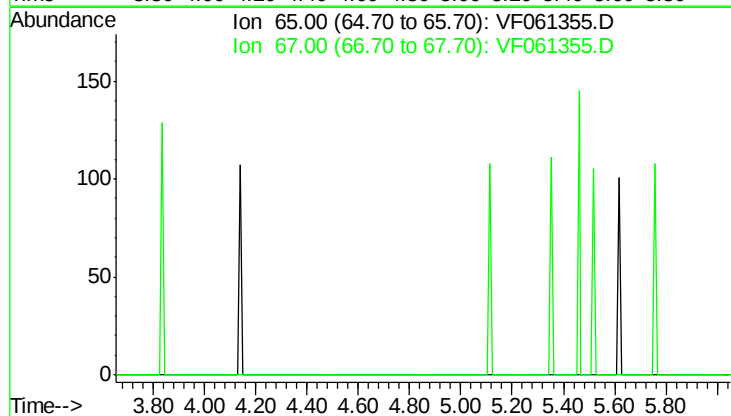
Acq: 10 Jan 2019 20:35

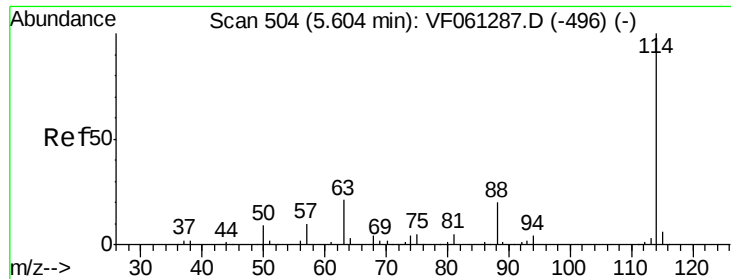
Tgt Ion: 65

Sig	Exp Ratio
65	100
67	49.1

65

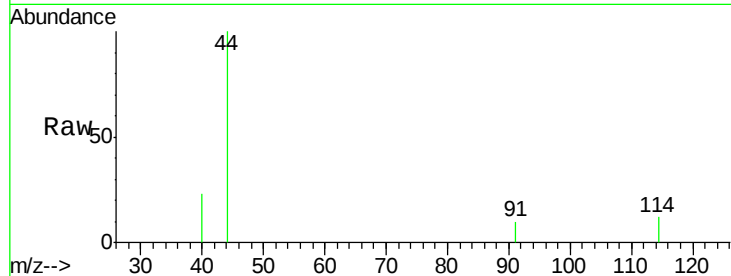
67





#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.27 min Scan# 471
 Delta R.T. -0.33 min
 Lab File: VF061355.D
 Acq: 10 Jan 2019 20:35

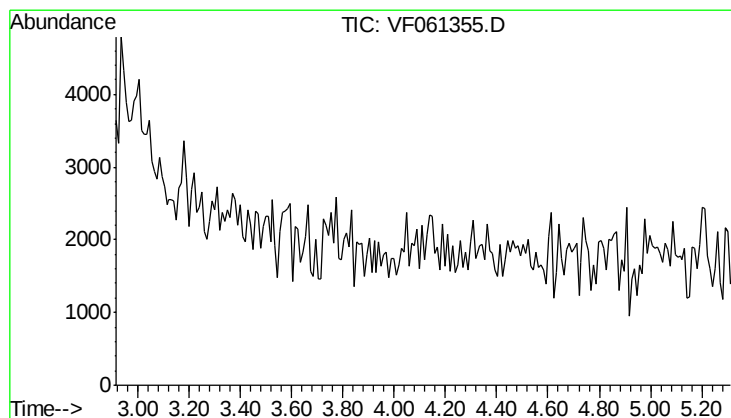
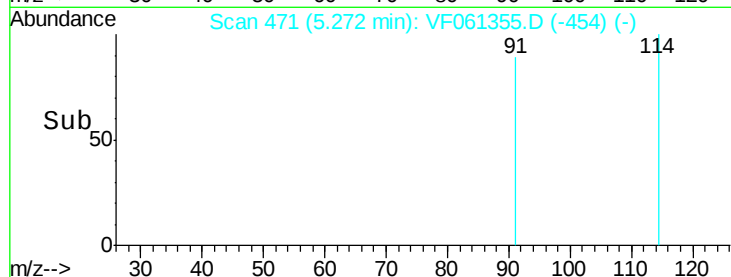
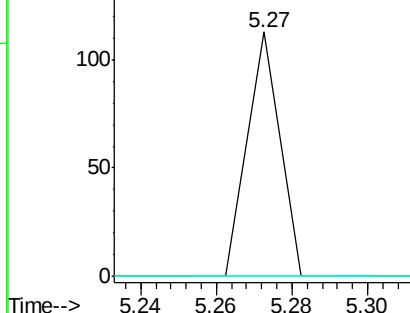
Tot Ion	Ion	Ratio	Lower	Upper
114	100			
63	0.0	0.0	42.8	
88	0.0	0.0	40.0	



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

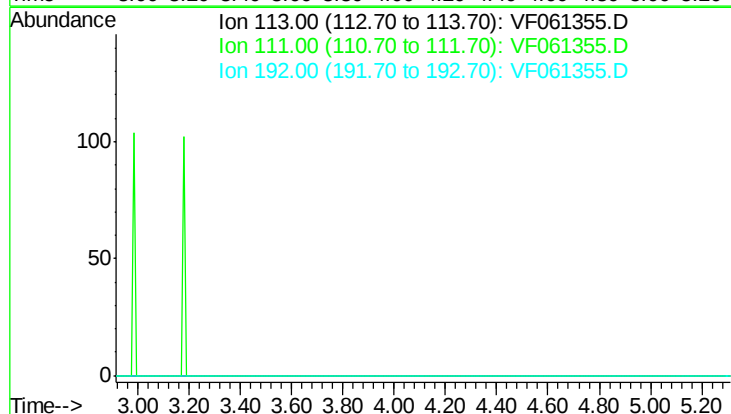
Ion 88.00 (87.70 to 88.70): VF0

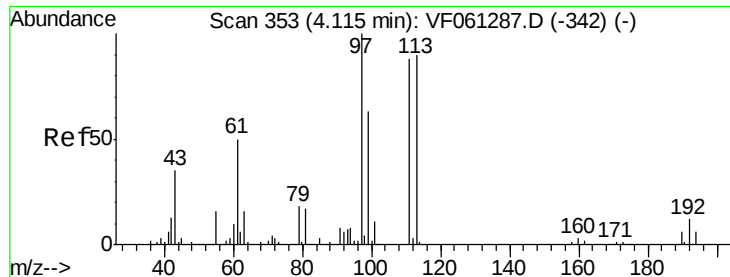


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.11 min

Lab File: VF061355.D
 Acq: 10 Jan 2019 20:35

Tgt Ion	Sig	Exp Ratio
113	100	
111	97.5	
192	13.3	





#37

Ethyl Acetate

Concen: 575.601 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.27 min

Lab File: VF061355.D

Acq: 10 Jan 2019 20:35

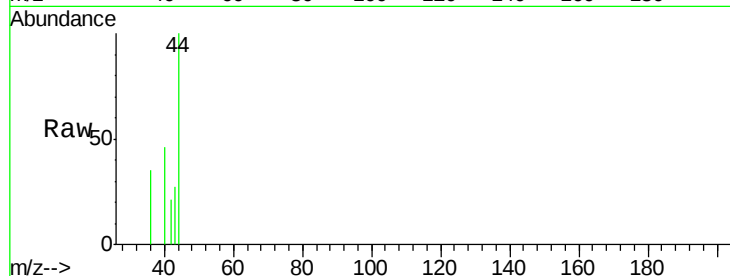
Tot Ion: 43 Resp: 164

Ion Ratio Lower Upper

43 100

61 0.0 113.3 169.9#

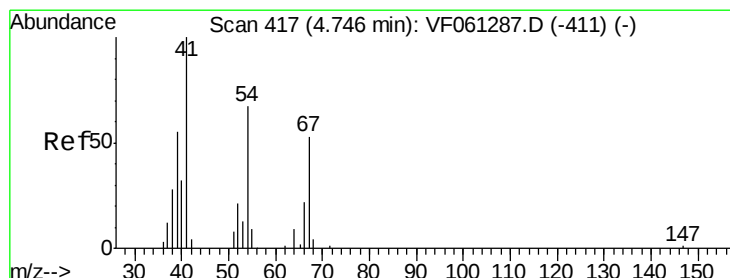
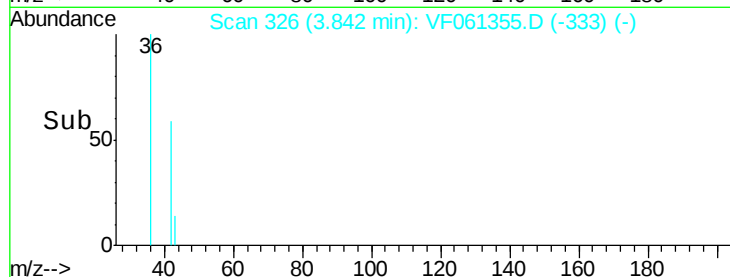
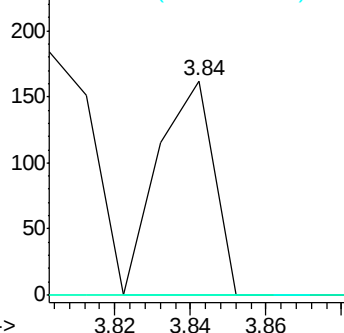
70 0.0 9.4 14.0#



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: 1904.350 ug/l

RT: 4.46 min Scan# 389

Delta R.T. -0.28 min

Lab File: VF061355.D

Acq: 10 Jan 2019 20:35

Tgt Ion: 41 Resp: 303

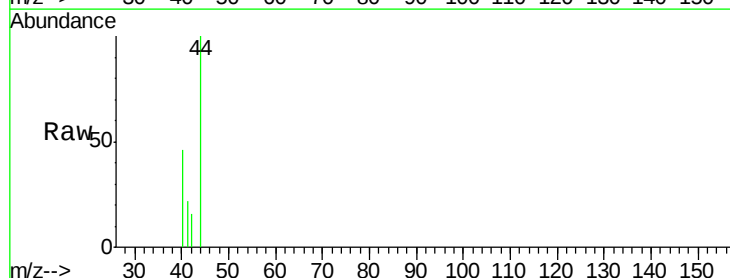
Ion Ratio Lower Upper

41 100

39 0.0 52.7 79.1#

67 0.0 41.4 62.2#

52 0.0 33.0 49.4#

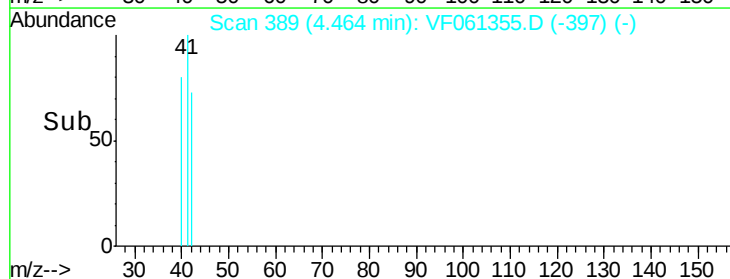
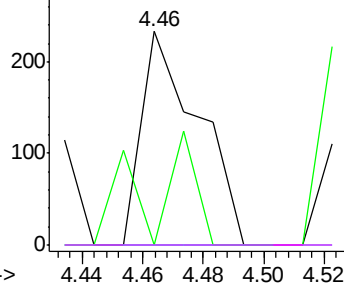


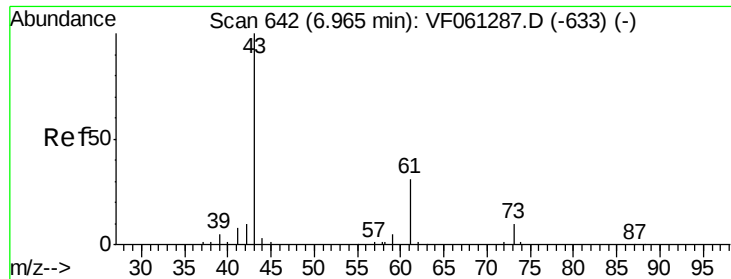
Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 233.942 ug/l

RT: 6.55 min Scan# 601

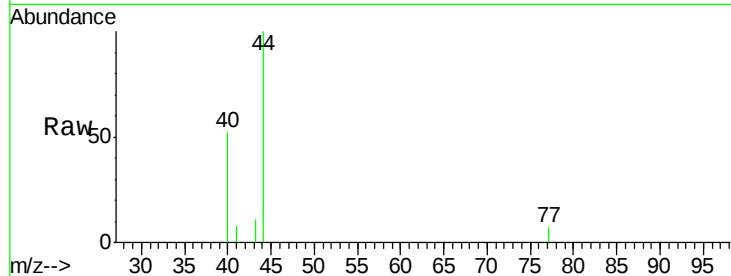
Delta R.T. -0.41 min

Lab File: VF061355.D

Acq: 10 Jan 2019 20:35

Tot Ion: 43 Resp: 88

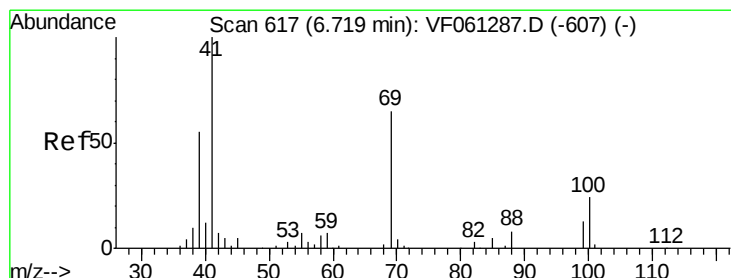
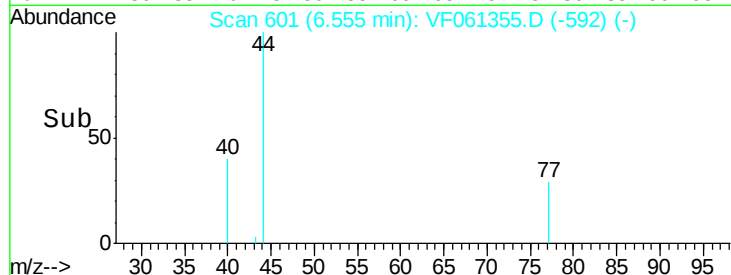
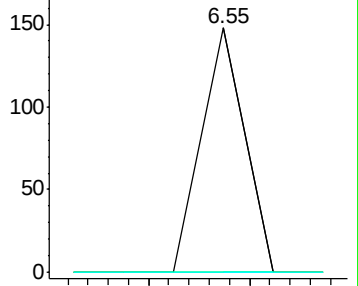
Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.3	36.5#
87	0.0	0.2	0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 360.414 ug/l

RT: 6.32 min Scan# 577

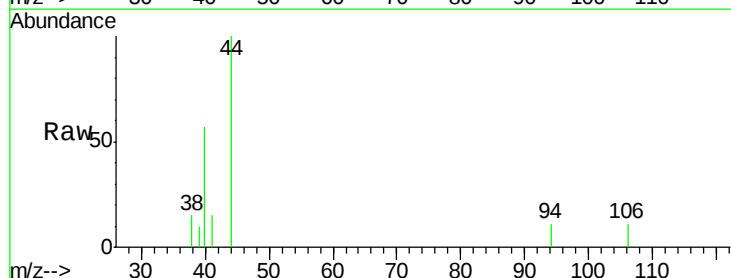
Delta R.T. -0.40 min

Lab File: VF061355.D

Acq: 10 Jan 2019 20:35

Tgt Ion: 41 Resp: 88

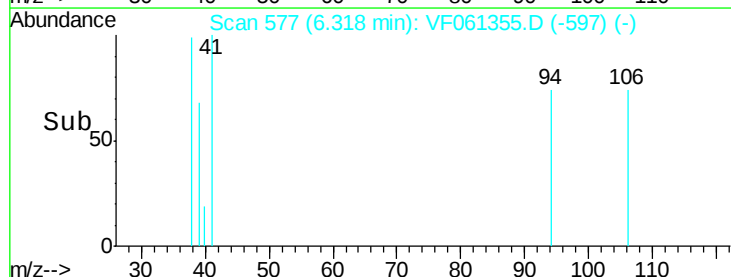
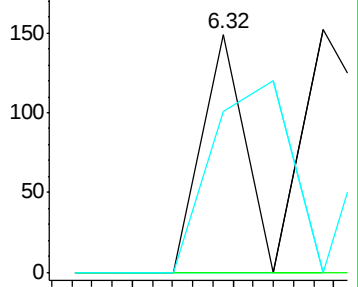
Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.5	77.3#
39	67.8	44.1	66.1#

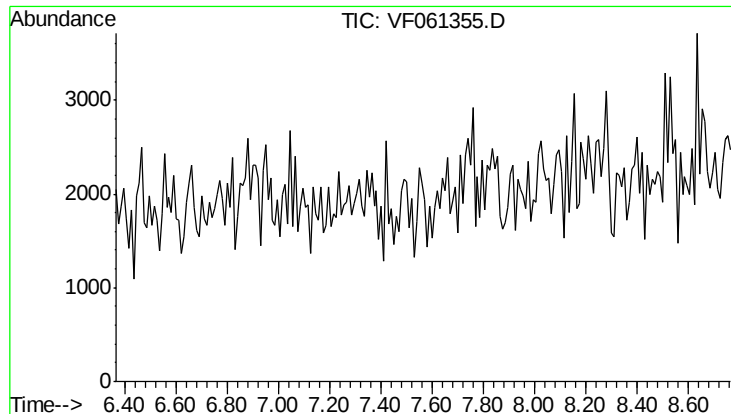


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

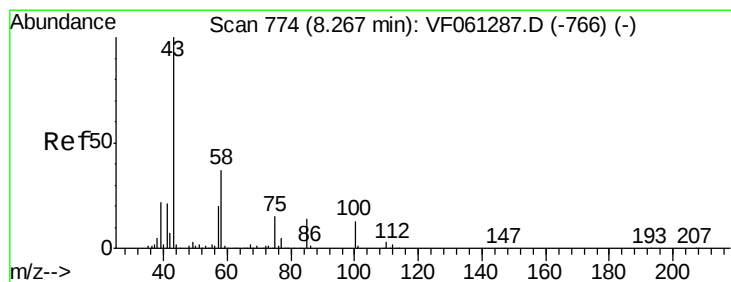
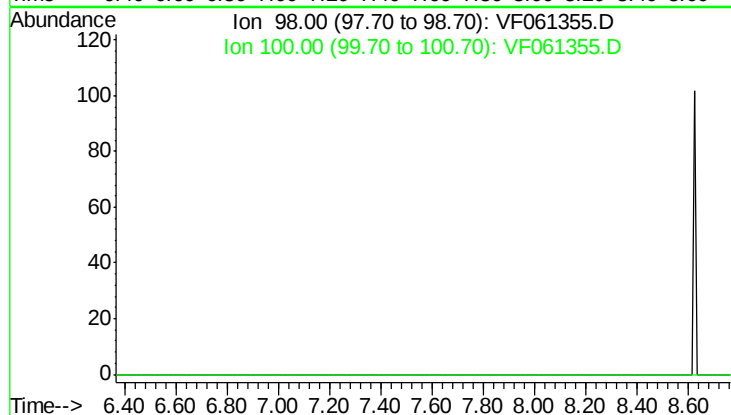




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.57 min

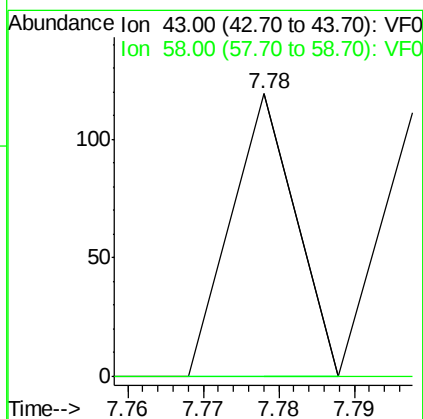
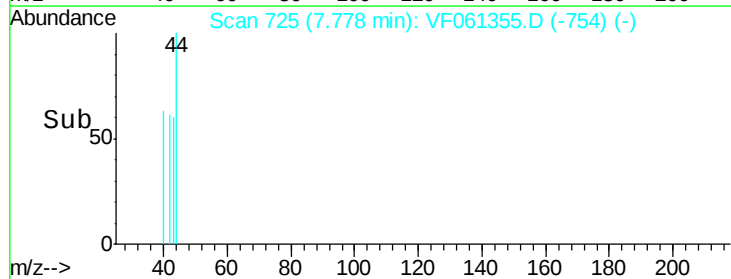
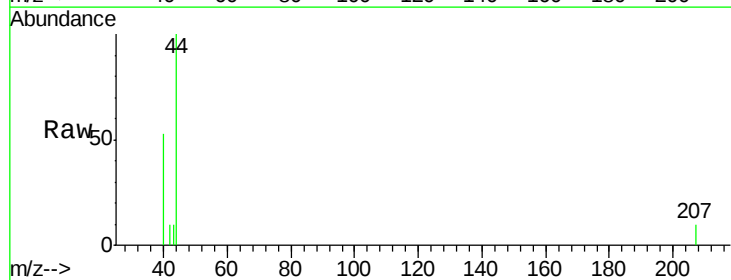
Lab File: VF061355.D
Acq: 10 Jan 2019 20:35

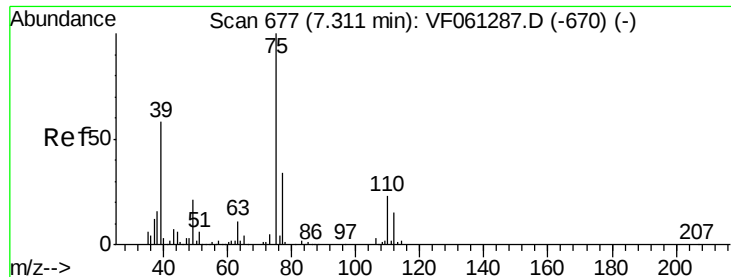
Tot Ion: 98
Sig Exp Ratio
98 100
100 69.5



#51
4-Methyl-2-Pentanone
Concen: 246.543 ug/l
RT: 7.78 min Scan# 725
Delta R.T. -0.49 min
Lab File: VF061355.D
Acq: 10 Jan 2019 20:35

Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
58 0.0 29.6 44.4#

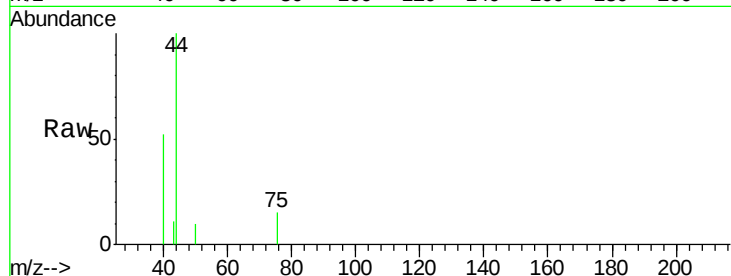




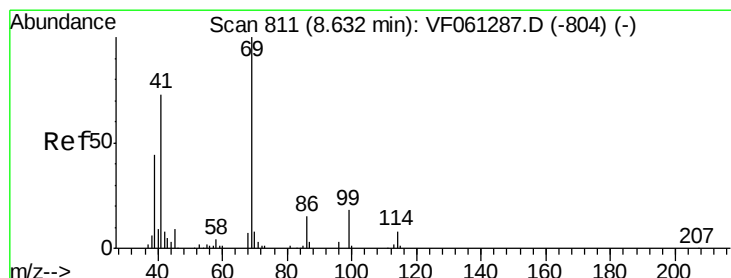
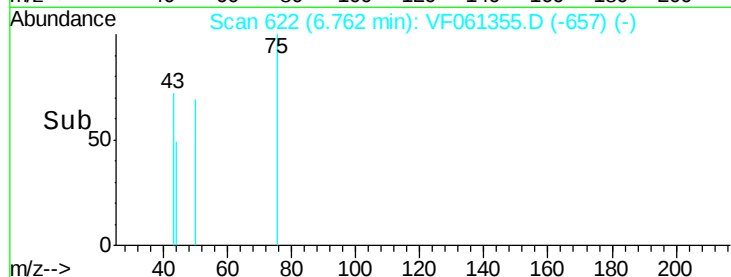
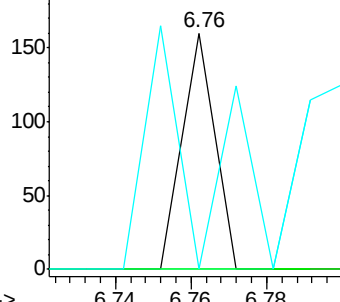
#54

cis-1,3-Dichloropropene
 Concen: 128.626 ug/l
 RT: 6.76 min Scan# 622
 Delta R.T. -0.55 min
 Lab File: VF061355.D
 Acq: 10 Jan 2019 20:35

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	27.3	40.9#
39	0.0	46.3	69.5#



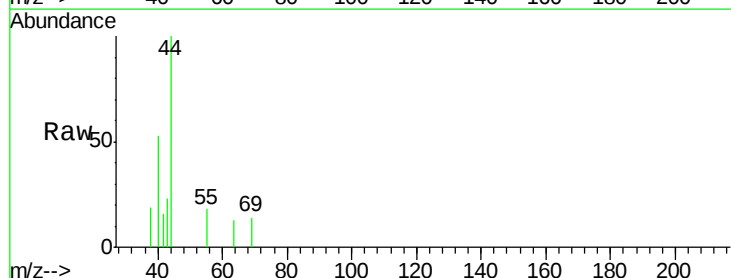
Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 77.00 (76.70 to 77.70): VF0
 Ion 39.00 (38.70 to 39.70): VF0



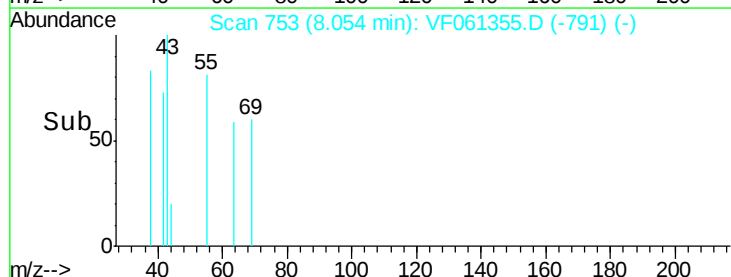
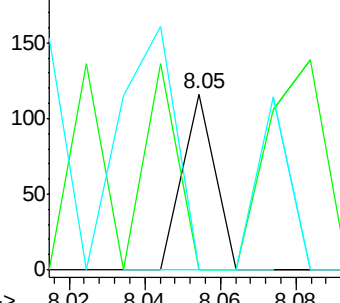
#56

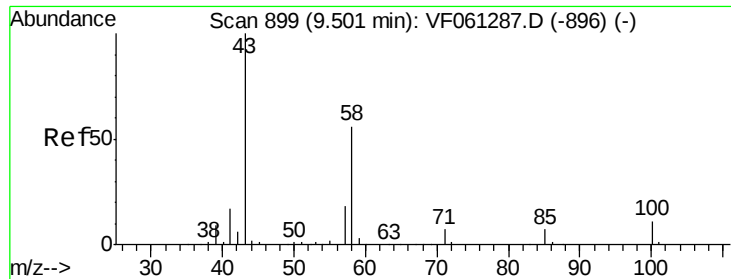
Ethyl methacrylate
 Concen: 187.914 ug/l
 RT: 8.05 min Scan# 753
 Delta R.T. -0.58 min
 Lab File: VF061355.D
 Acq: 10 Jan 2019 20:35

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



Abundance Ion 69.00 (68.70 to 69.70): VF0
 Ion 41.00 (40.70 to 41.70): VF0
 Ion 39.00 (38.70 to 39.70): VF0





#59

2-Hexanone

Concen: 666.178 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.53 min

Lab File: VF061355.D

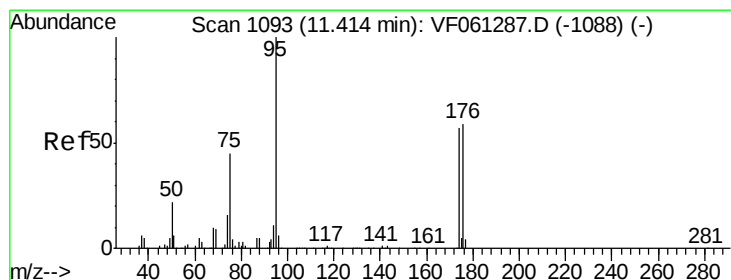
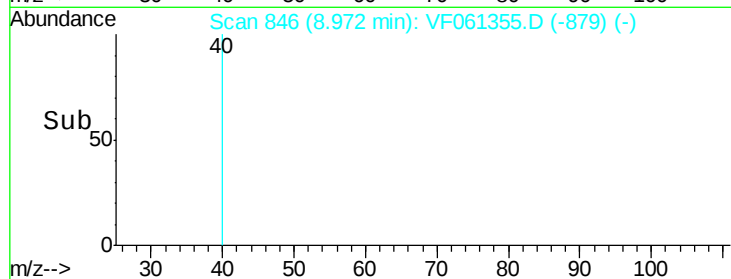
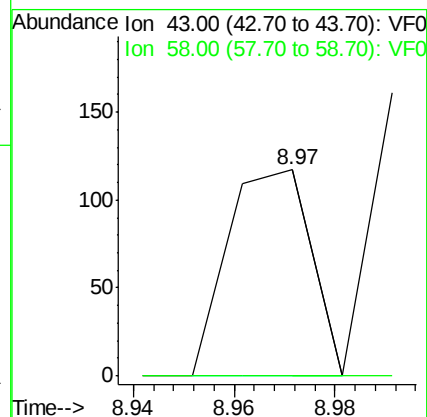
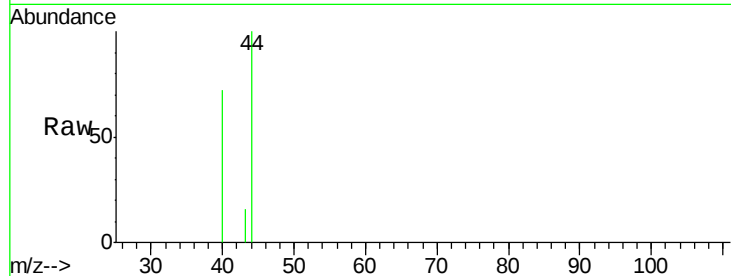
Acq: 10 Jan 2019 20:35

Tot Ion: 43 Resp: 134

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.8#



#62

4-Bromofluorobenzene

Concen: 140.387 ug/l

RT: 10.70 min Scan# 1021

Delta R.T. -0.72 min

Lab File: VF061355.D

Acq: 10 Jan 2019 20:35

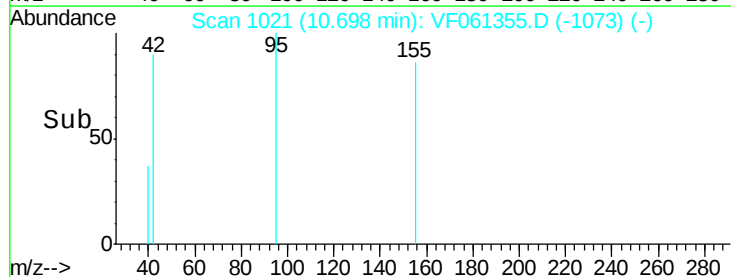
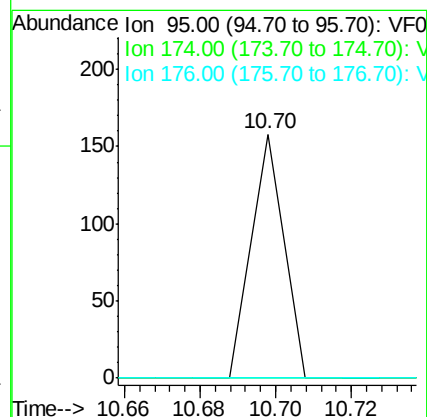
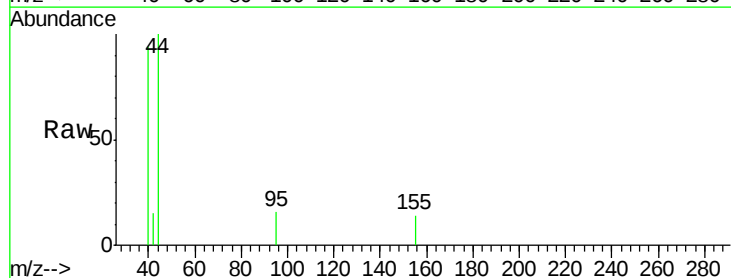
Tgt Ion: 95 Resp: 93

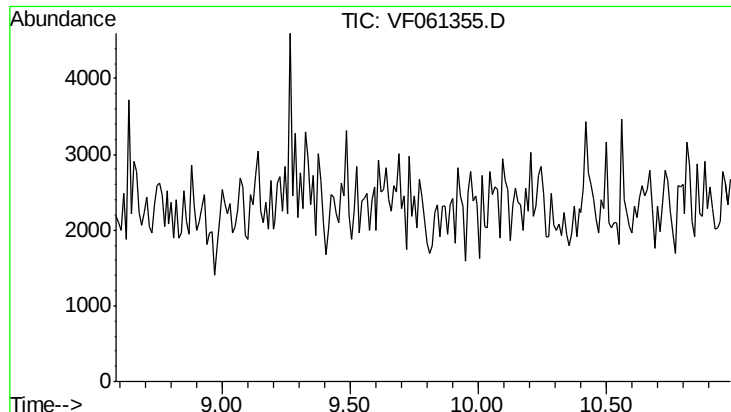
Ion Ratio Lower Upper

95 100

174 0.0 0.0 114.2

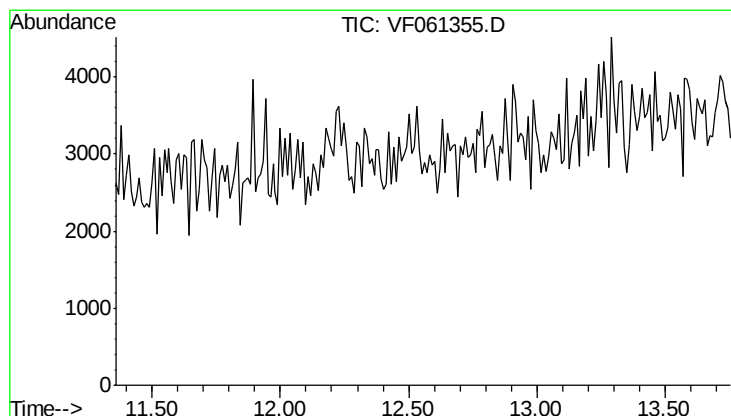
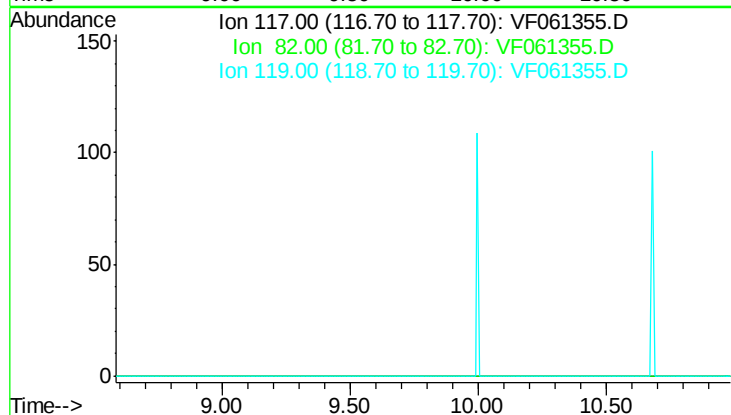
176 0.0 0.0 117.8





#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.79 min
 Lab File: VF061355.D
 Acq: 10 Jan 2019 20:35

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: VF061355.D
 Acq: 10 Jan 2019 20:35

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

