

Data Path : Z:\HPCHEM1\MSVOA_F\DATA\VF011019\
 Data File : VF061347.D
 Acq On : 10 Jan 2019 16:45
 Operator : VA/AP
 Sample : K1006-17
 Misc : 6.81g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 11 00:31:43 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	5.44	114	69	50.00	ug/l	-0.16
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

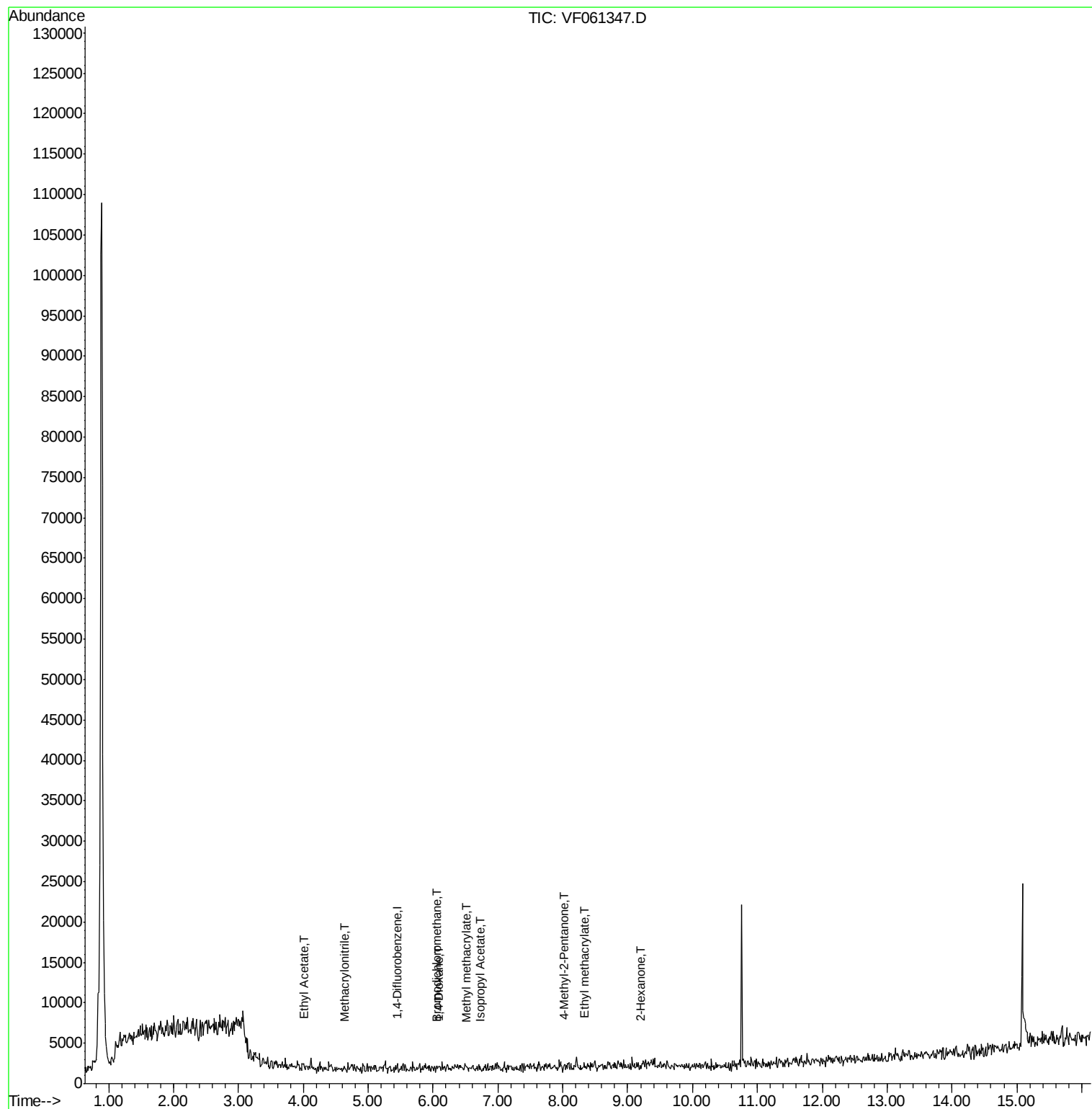
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.89	65	59	0.00	ug/l	0.03
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

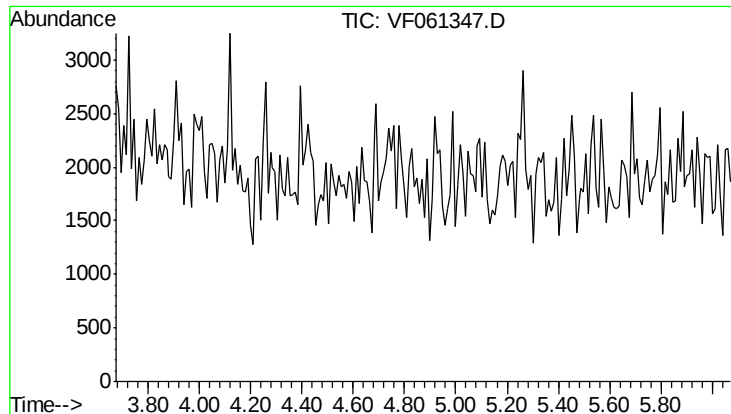
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	4.00	43	405	1380.252	ug/l #	1
41) Methacrylonitrile	4.62	41	91	555.356	ug/l #	24
43) Isopropyl Acetate	6.72	43	152	392.369	ug/l #	45
47) Bromodichloromethane	6.07	83	61	83.507	ug/l #	25
48) Methyl methacrylate	6.53	41	73	290.314	ug/l #	21
49) 1,4-Dioxane	6.09	88	91	57354.250	ug/l #	20
51) 4-Methyl-2-Pentanone	8.01	43	146	499.314	ug/l #	38
56) Ethyl methacrylate	8.32	69	83	219.490	ug/l #	20
59) 2-Hexanone	9.20	43	191	922.028	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: VF061347.D

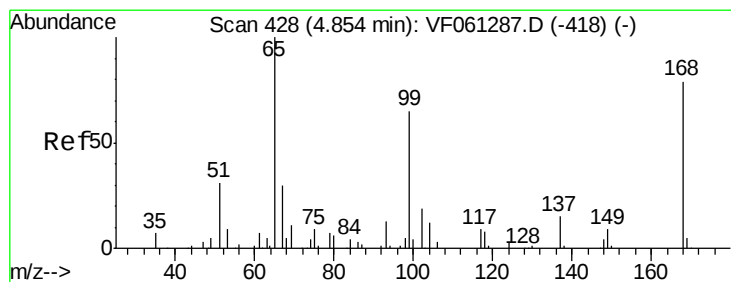
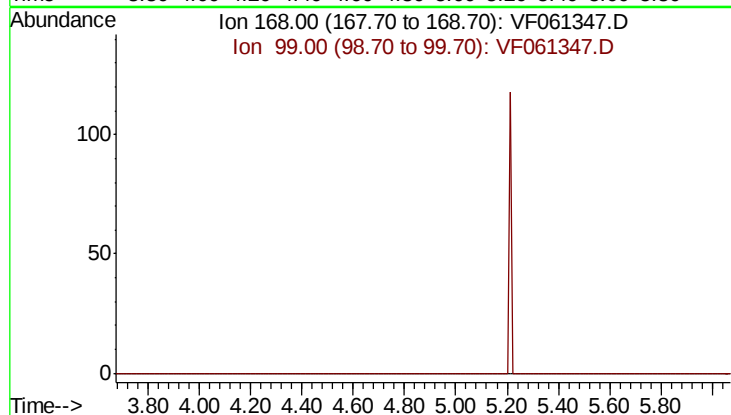
Acq: 10 Jan 2019 16:45

Tgt Ion: 168

Sig Exp Ratio

168 100

99 65.9



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.03 min

Lab File: VF061347.D

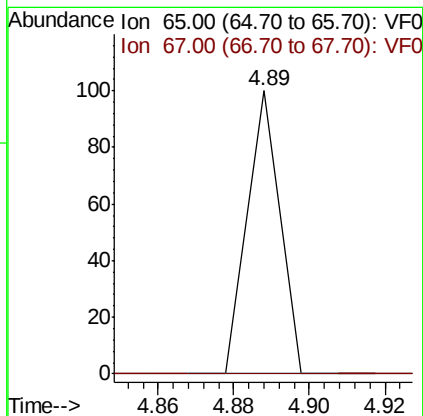
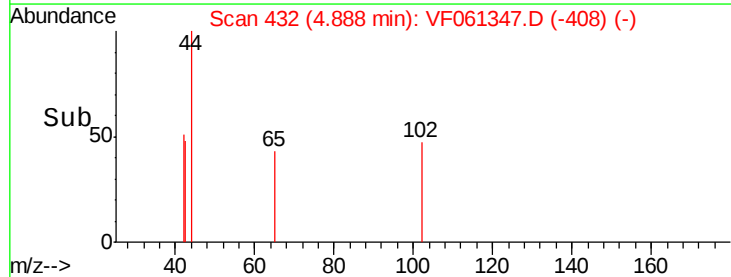
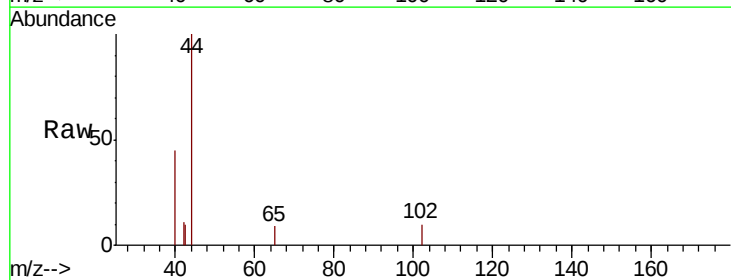
Acq: 10 Jan 2019 16:45

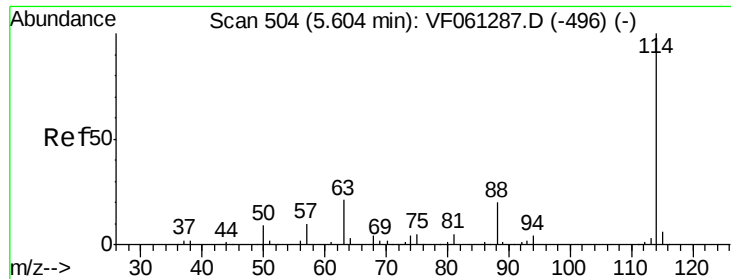
Tgt Ion: 65 Resp: 59

Ion Ratio Lower Upper

65 100

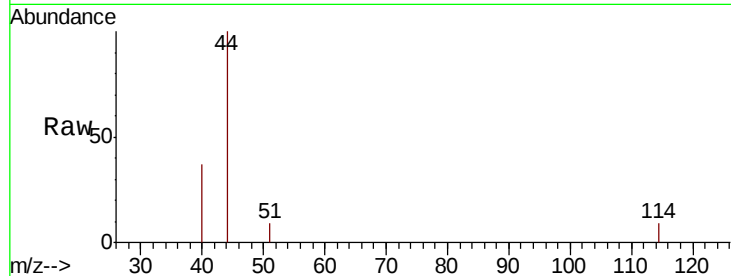
67 0.0 0.0 98.2



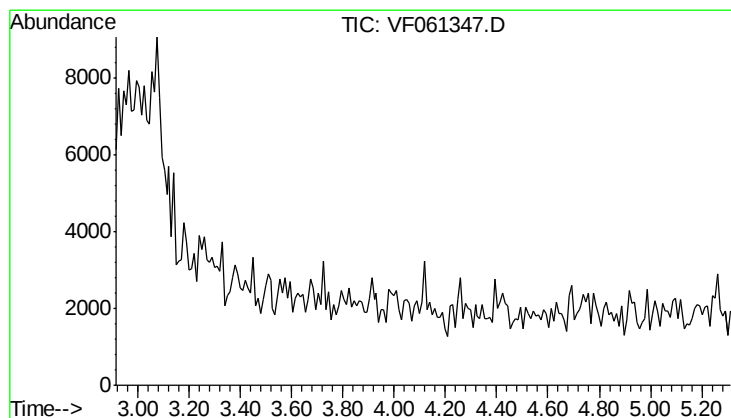
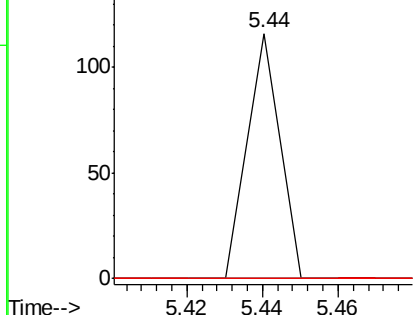
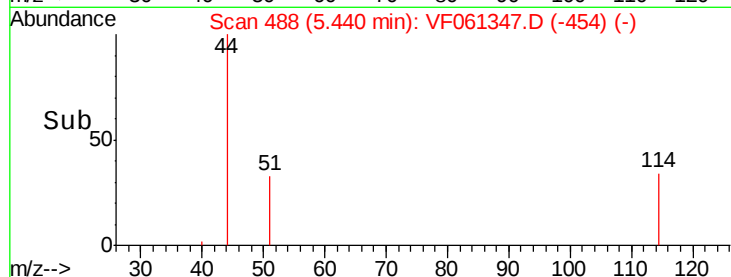


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.44 min Scan# 488
 Delta R.T. -0.16 min
 Lab File: VF061347.D
 Acq: 10 Jan 2019 16:45

Tgt Ion: 114 Resp: 69
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 42.8
 88 0.0 0.0 40.0

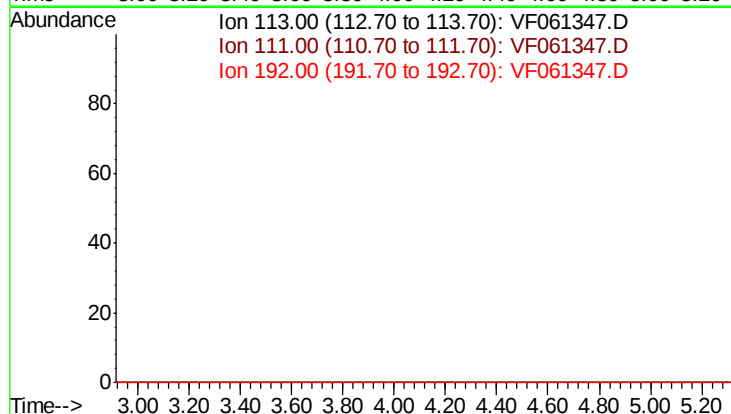


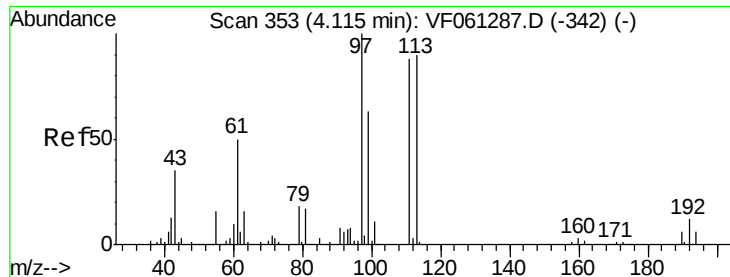
Abundance Ion 114.00 (113.70 to 114.70): VF0
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.11 min
 Lab File: VF061347.D
 Acq: 10 Jan 2019 16:45

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 97.5
 192 13.3





#37

Ethyl Acetate

Concen: 1380.252 ug/l

RT: 4.00 min Scan# 342

Delta R.T. -0.11 min

Lab File: VF061347.D

Acq: 10 Jan 2019 16:45

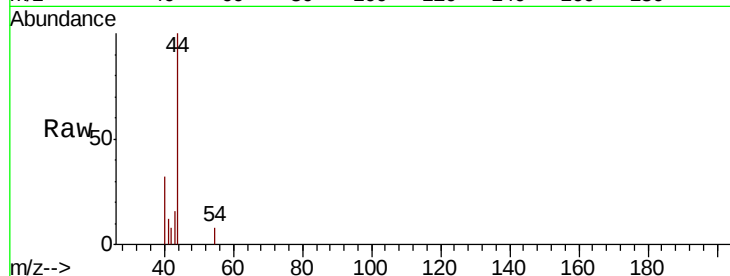
Tgt Ion: 43 Resp: 405

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

250

200

150

100

50

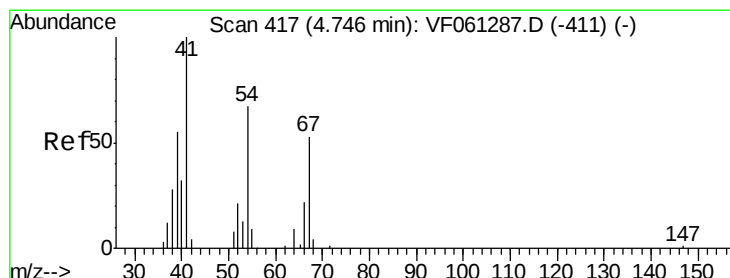
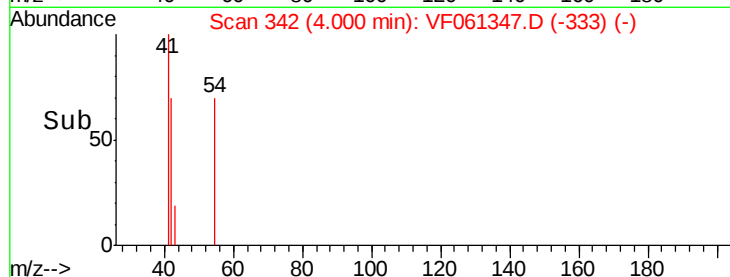
0

3.95

4.00

4.05

Time-->



#41

Methacrylonitrile

Concen: 555.356 ug/l

RT: 4.62 min Scan# 405

Delta R.T. -0.12 min

Lab File: VF061347.D

Acq: 10 Jan 2019 16:45

Tgt Ion: 41 Resp: 91

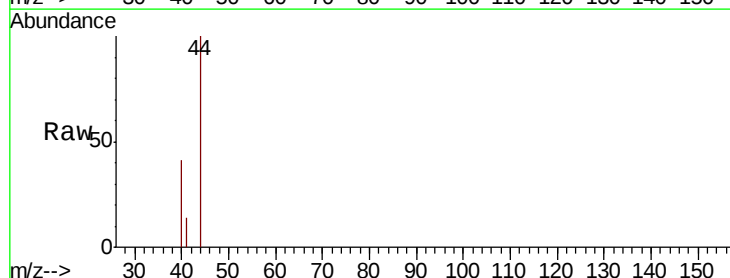
Ion Ratio Lower Upper

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

200

150

100

50

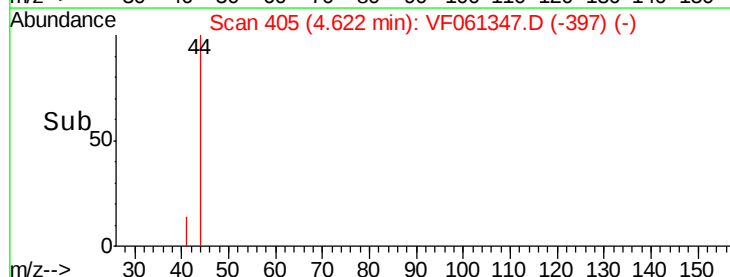
0

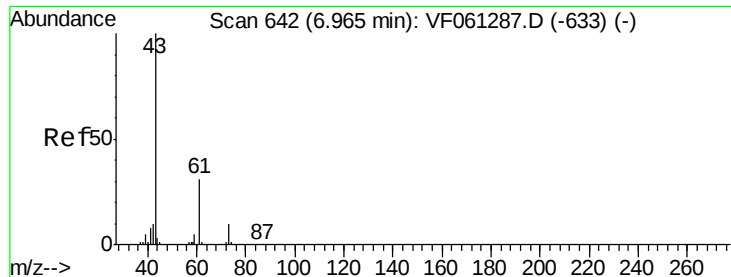
4.60

4.62

4.64

Time-->

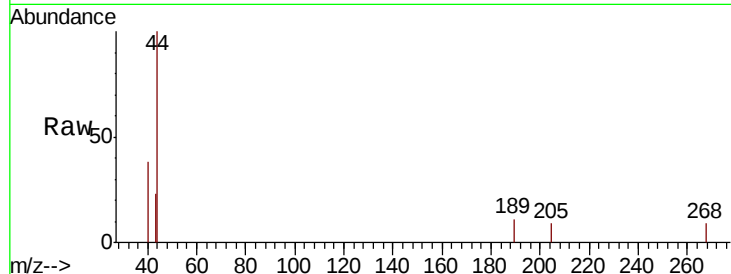




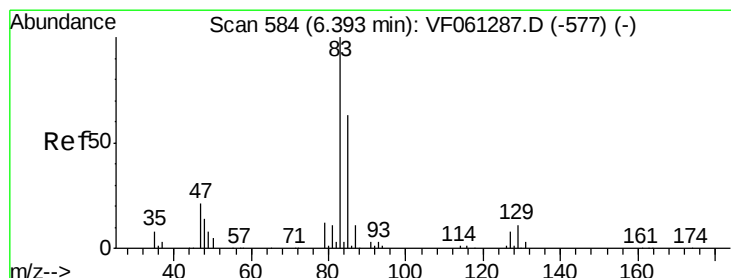
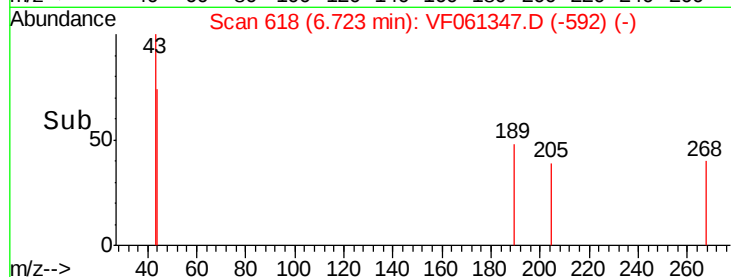
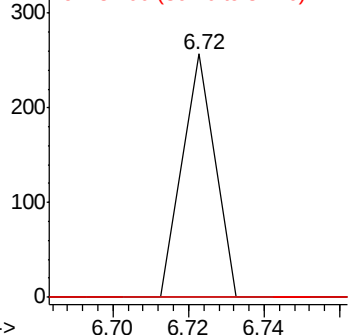
#43

Isopropyl Acetate
 Concen: 392.369 ug/l
 RT: 6.72 min Scan# 618
 Delta R.T. -0.24 min
 Lab File: VF061347.D
 Acq: 10 Jan 2019 16:45

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



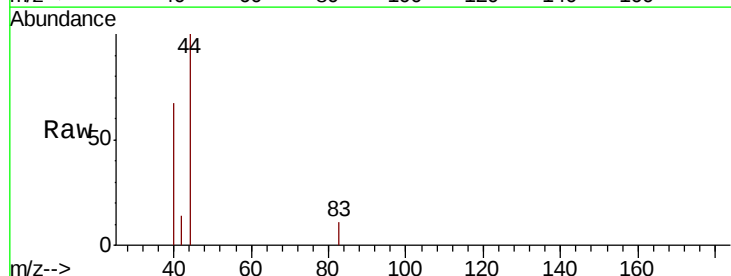
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



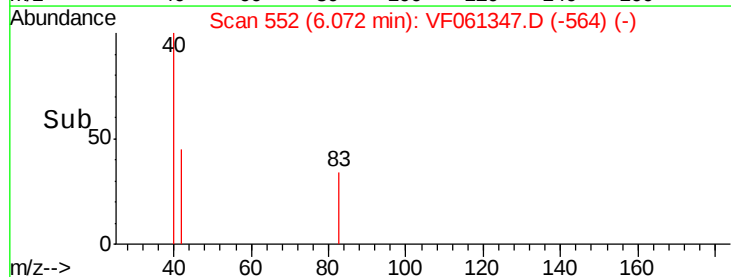
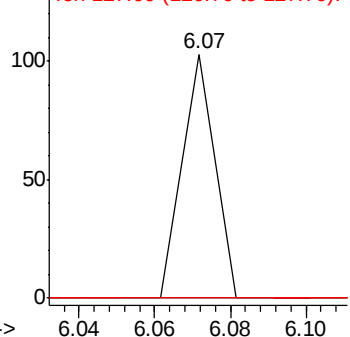
#47

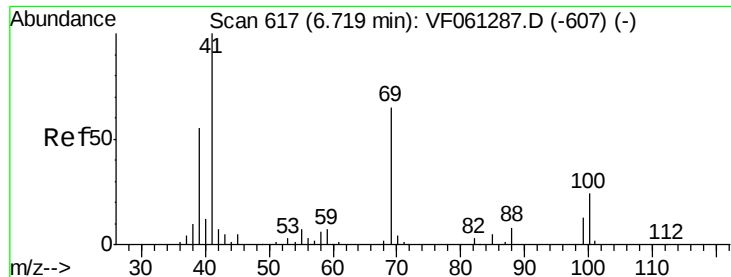
Bromodichloromethane
 Concen: 83.507 ug/l
 RT: 6.07 min Scan# 552
 Delta R.T. -0.32 min
 Lab File: VF061347.D
 Acq: 10 Jan 2019 16:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.4	75.6#
127	0.0	6.4	9.6#



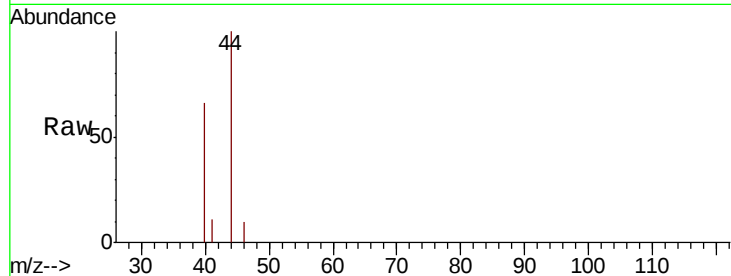
Abundance Ion 83.00 (82.70 to 83.70): VF0
 Ion 85.00 (84.70 to 85.70): VF0
 Ion 127.00 (126.70 to 127.70): V



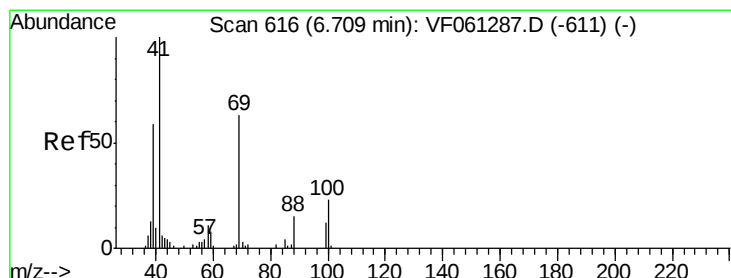
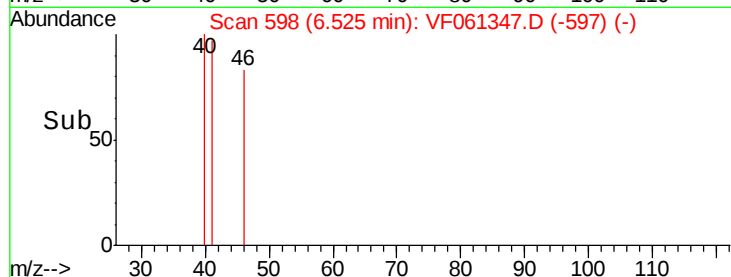
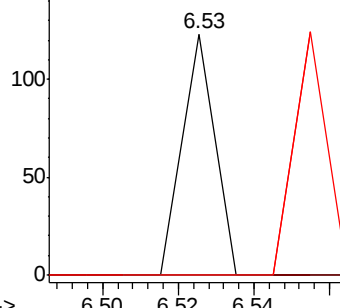


#48
Methyl methacrylate
Concen: 290.314 ug/l
RT: 6.53 min Scan# 598
Delta R.T. -0.19 min
Lab File: VF061347.D
Acq: 10 Jan 2019 16:45

Tgt Ion: 41 Resp: 73
Ion Ratio Lower Upper
41 100
69 0.0 51.5 77.3#
39 0.0 44.1 66.1#

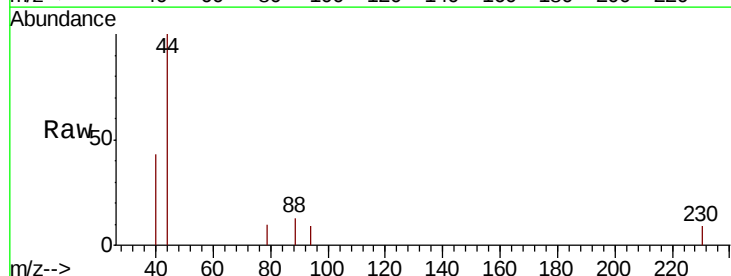


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

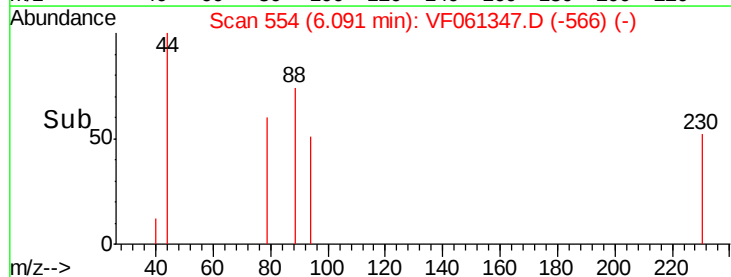
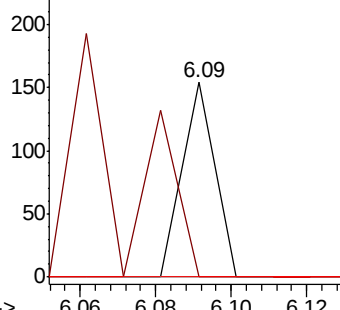


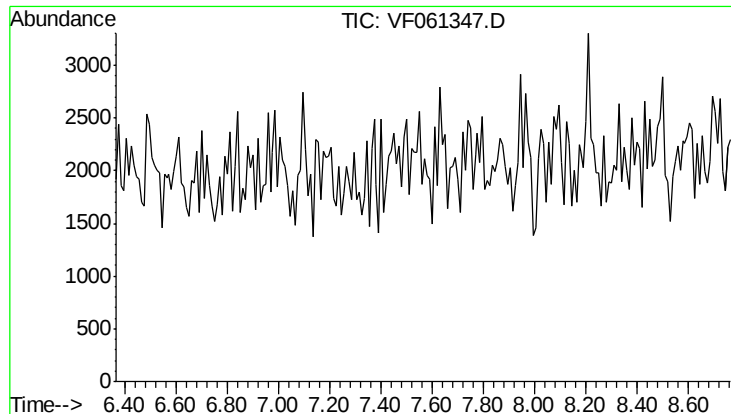
#49
1,4-Dioxane
Concen: 57354.250 ug/l
RT: 6.09 min Scan# 554
Delta R.T. -0.62 min
Lab File: VF061347.D
Acq: 10 Jan 2019 16:45

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 0.0 38.5 57.7#
58 0.0 57.0 85.4#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

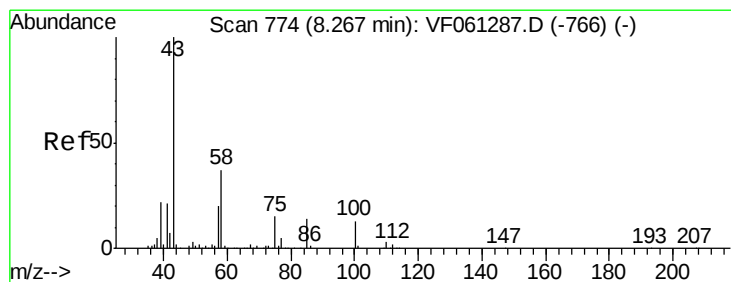
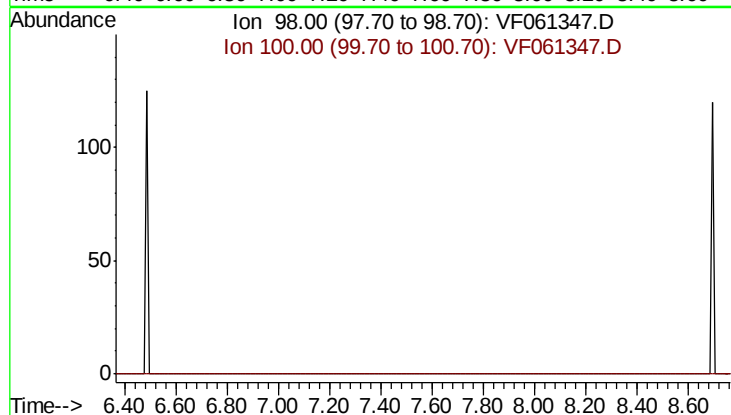




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.57 min

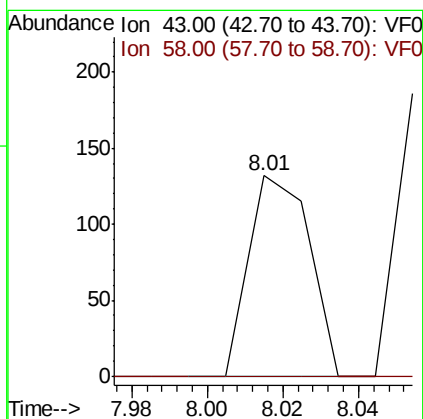
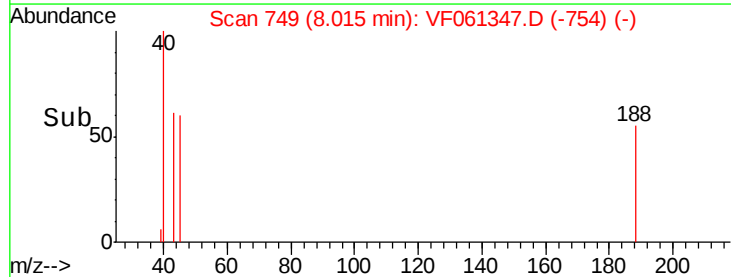
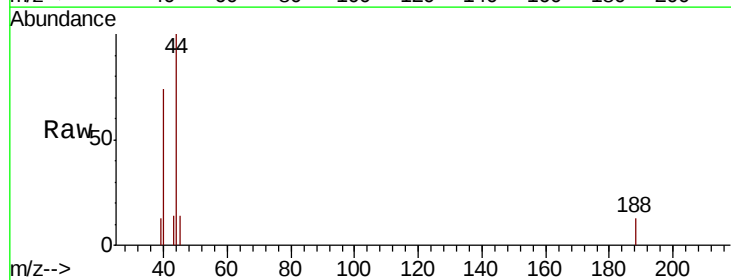
Lab File: VF061347.D
Acq: 10 Jan 2019 16:45

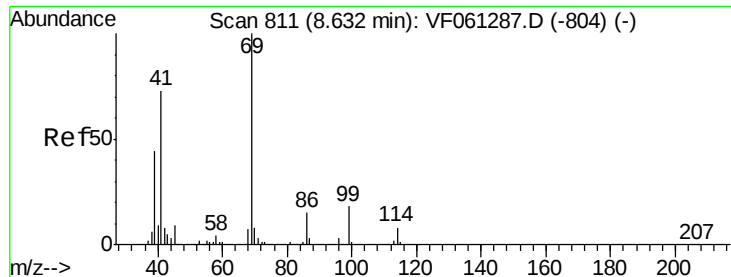
Tgt Ion: 98
Sig Exp Ratio
98 100
100 69.5



#51
4-Methyl-2-Pentanone
Concen: 499.314 ug/l
RT: 8.01 min Scan# 749
Delta R.T. -0.25 min
Lab File: VF061347.D
Acq: 10 Jan 2019 16:45

Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
58 0.0 29.6 44.4#





#56

Ethyl methacrylate

Concen: 219.490 ug/l

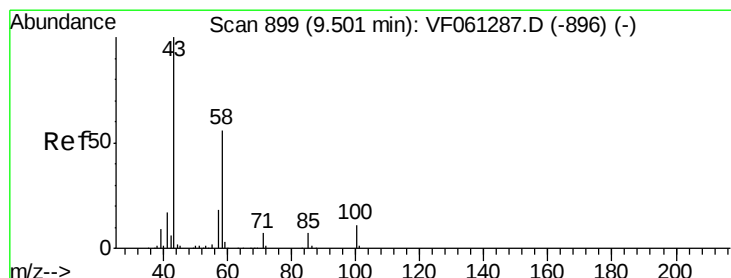
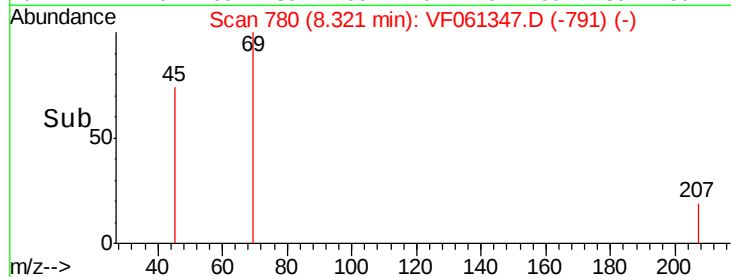
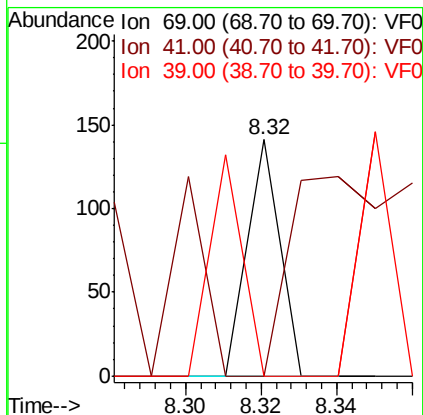
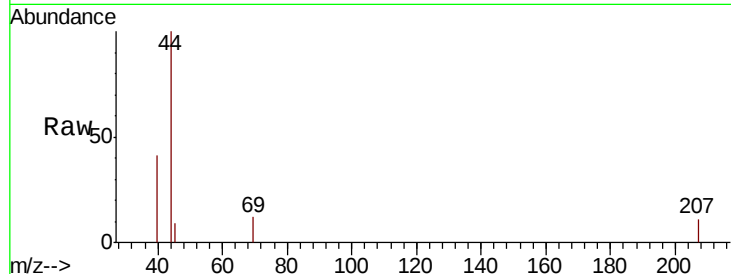
RT: 8.32 min Scan# 780

Delta R.T. -0.31 min

Lab File: VF061347.D

Acq: 10 Jan 2019 16:45

Tgt Ion:	69.00	Resp:	83
Ion	Ratio	Lower	Upper
69	100		
41	0.0	59.0	88.4#
39	0.0	35.3	52.9#



#59

2-Hexanone

Concen: 922.028 ug/l

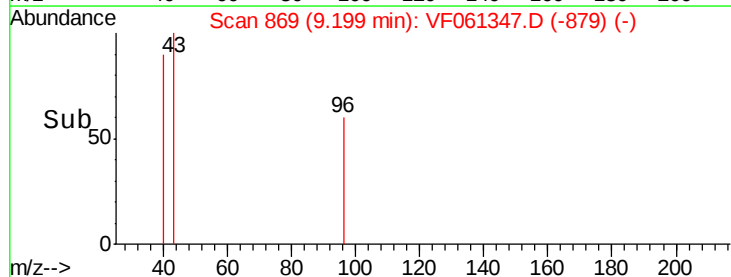
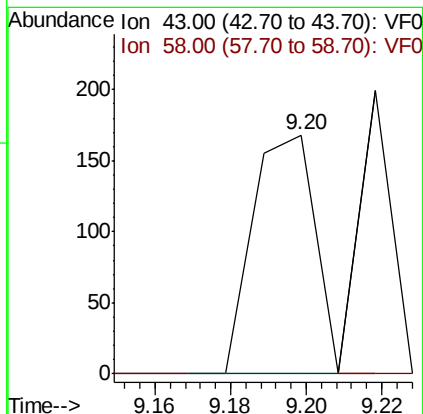
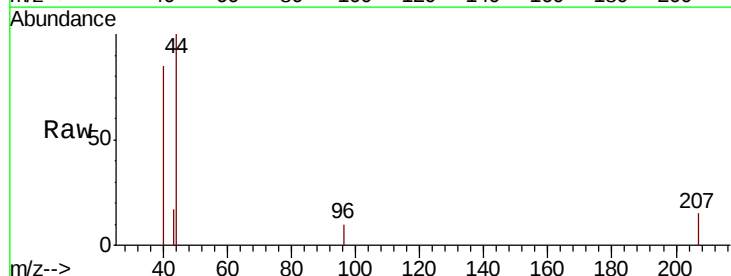
RT: 9.20 min Scan# 869

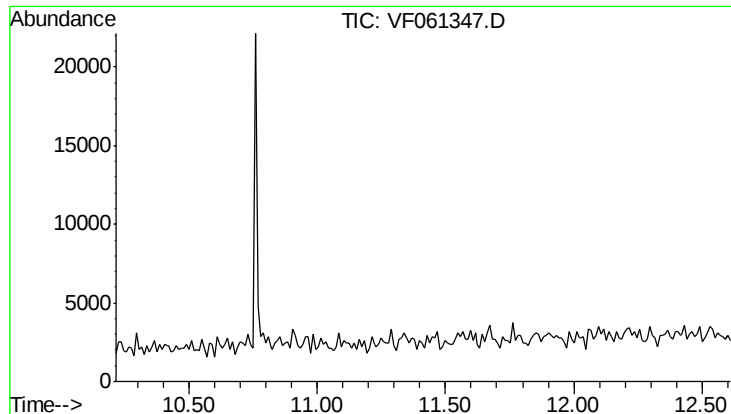
Delta R.T. -0.30 min

Lab File: VF061347.D

Acq: 10 Jan 2019 16:45

Tgt Ion:	43.00	Resp:	191
Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.6	76.8#

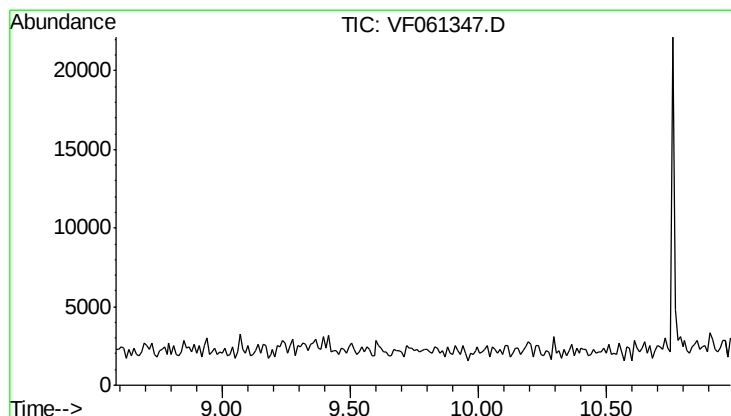
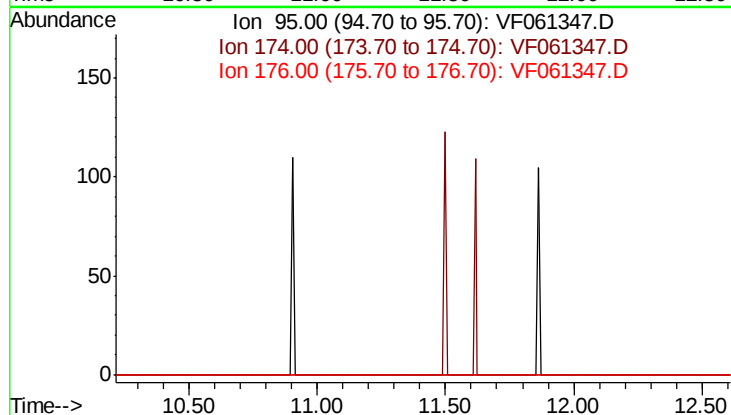




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.41 min

Lab File: VF061347.D
 Acq: 10 Jan 2019 16:45

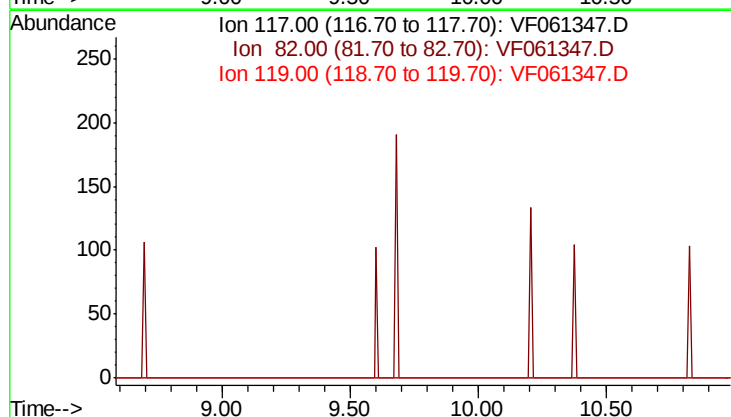
Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 57.1
 176 58.9

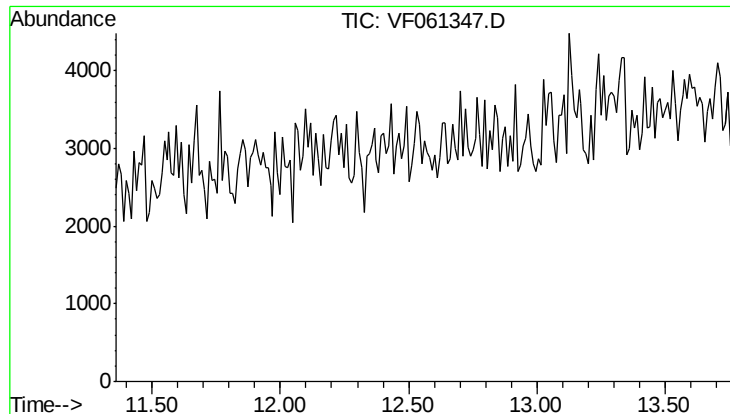


#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.79 min

Lab File: VF061347.D
 Acq: 10 Jan 2019 16:45

Tgt 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: VF061347.D
 Acq: 10 Jan 2019 16:45

Tgt Ion	Exp Ratio
152	100
115	59.3
150	157.7

