

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
 Data File : VF061123.D
 Acq On : 21 Dec 2018 13:51
 Operator : VA/AP
 Sample : J6194-09RE
 Misc : 7.1g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-121818-BRE

Quant Time: Dec 21 16:04:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 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	67	50.00	ug/l	-0.12
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.78
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	92	0.00	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	4.17	113	60	111.79	ug/l	0.06
Spiked Amount	50.000		Recovery	=	223.58%	
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%	

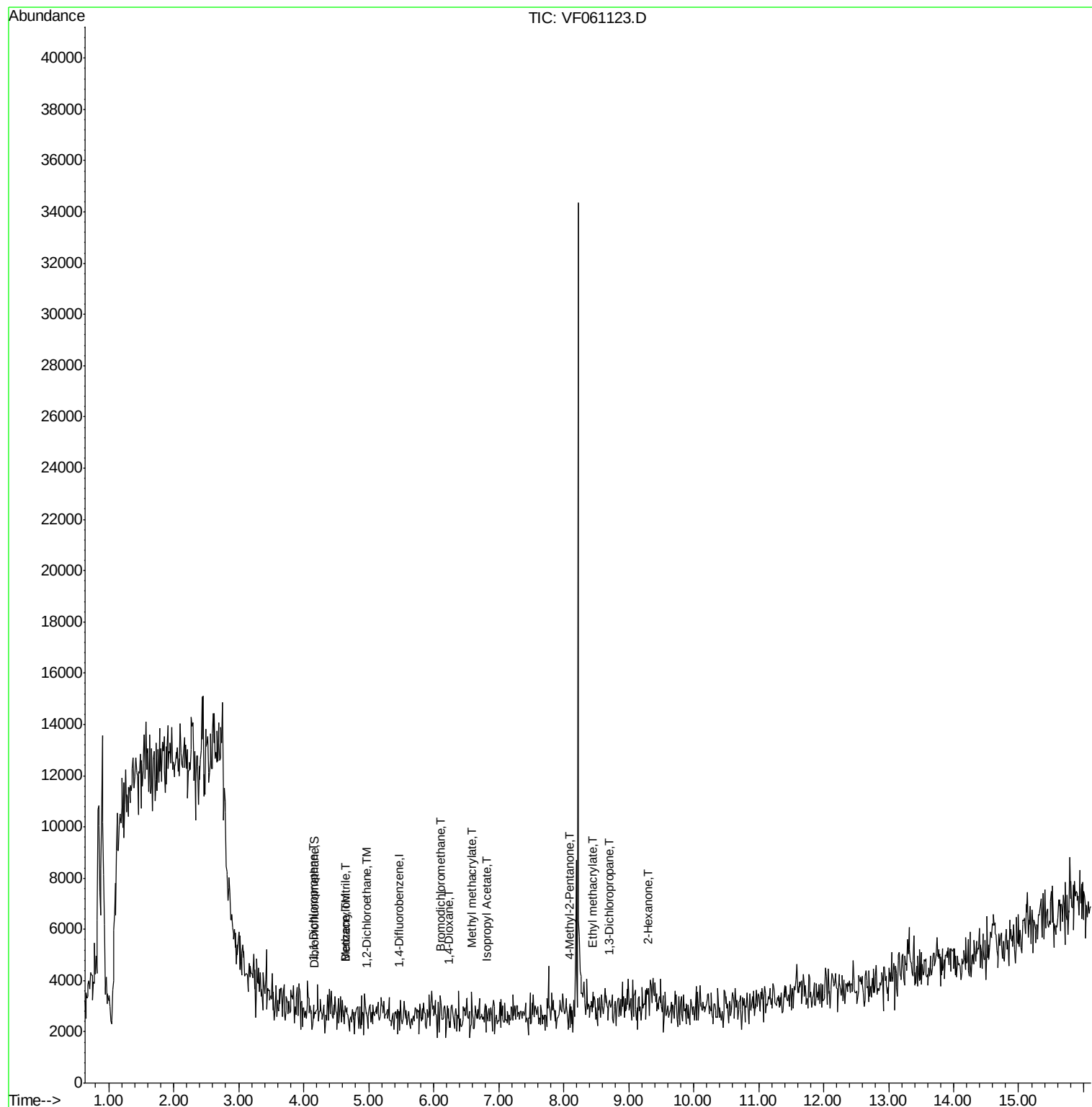
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
36) 1,1-Dichloropropene	4.14	75	98	121.177	ug/l #	43
37) Ethyl Acetate	4.03	43	191	Below Cal	#	21
40) Benzene	4.63	78	70	40.249	ug/l #	1
41) Methacrylonitrile	4.64	41	242	1416.889	ug/l #	43
42) 1,2-Dichloroethane	4.97	62	64	96.869	ug/l	77
43) Isopropyl Acetate	6.82	43	346	886.047	ug/l #	45
47) Bromodichloromethane	6.11	83	73	91.548	ug/l #	24
48) Methyl methacrylate	6.59	41	192	704.304	ug/l #	31
49) 1,4-Dioxane	6.23	88	94	47521.568	ug/l #	1
51) 4-Methyl-2-Pentanone	8.09	43	390	1456.243	ug/l #	38
56) Ethyl methacrylate	8.44	69	75	200.826	ug/l #	24
57) 1,3-Dichloropropane	8.71	76	79	126.560	ug/l #	42
59) 2-Hexanone	9.30	43	474	2447.389	ug/l #	27

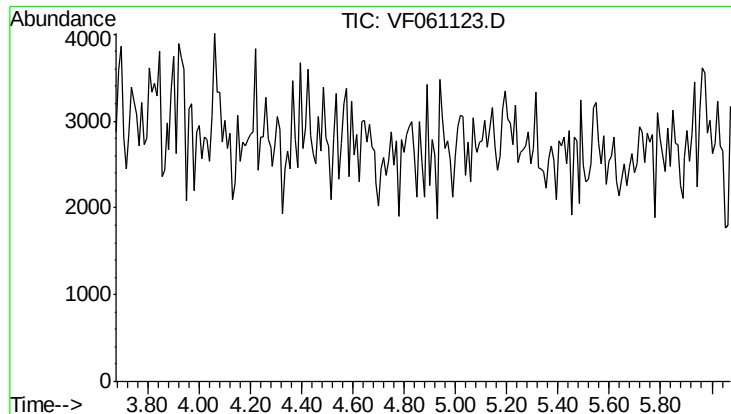
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061123.D

Acq: 21 Dec 2018 13:51

Tgt Ion: 168

Sig Exp Ratio

168 100

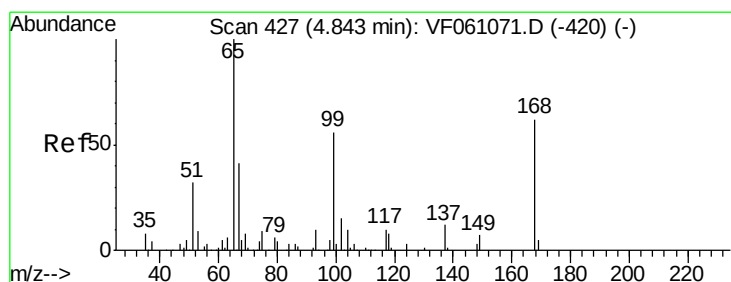
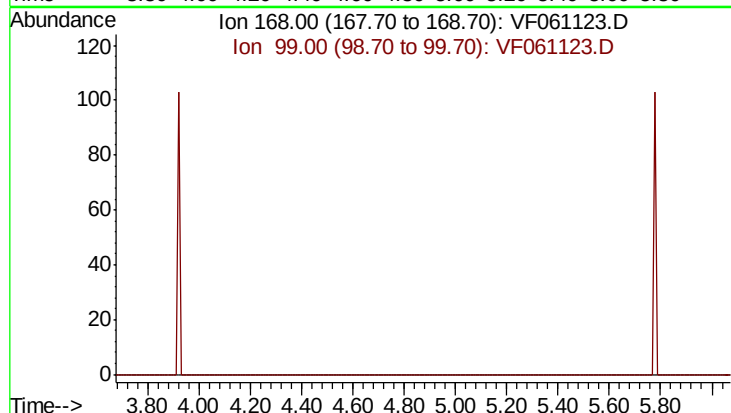
99 68.0

Instrument :

MSVOA_F

ClientSampleId :

OK-01-121818-BRE



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.03 min

Lab File: VF061123.D

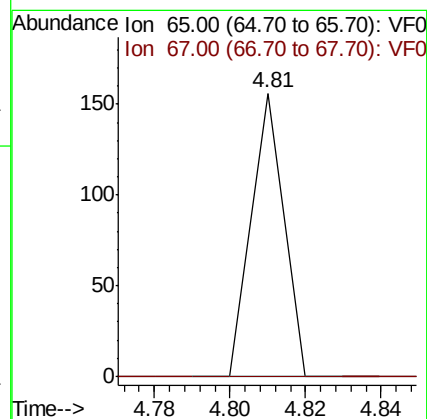
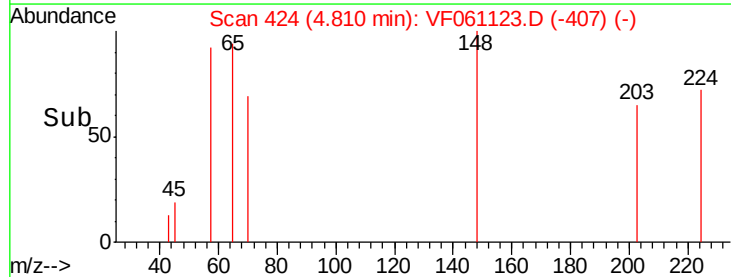
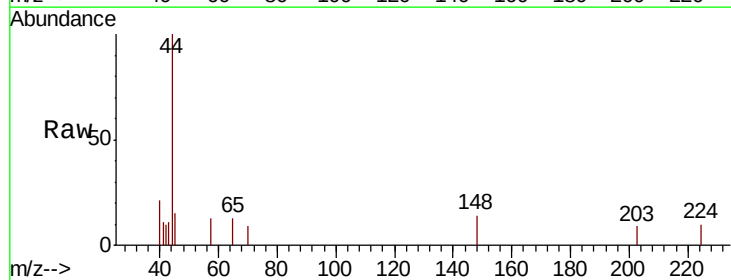
Acq: 21 Dec 2018 13:51

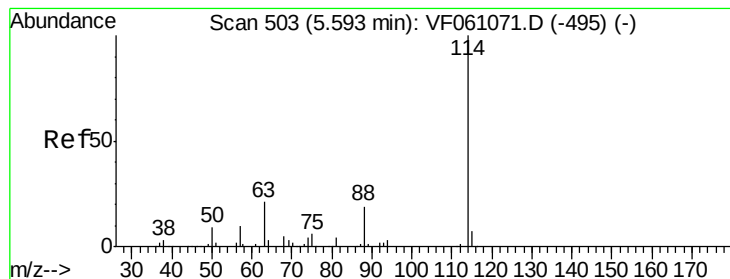
Tgt Ion: 65 Resp: 92

Ion Ratio Lower Upper

65 100

67 0.0 0.0 94.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.47 min Scan# 491

Delta R.T. -0.12 min

Lab File: VF061123.D

Acq: 21 Dec 2018 13:51

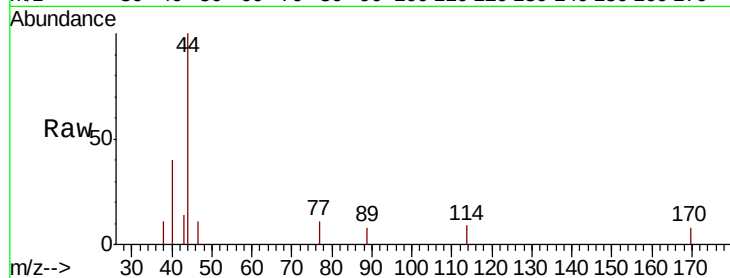
Instrument :

MSVOA_F

ClientSampleId :

OK-01-121818-BRE

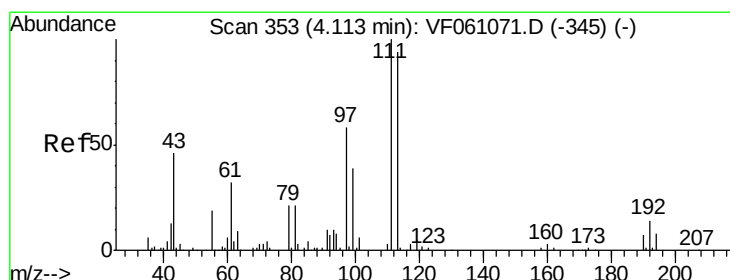
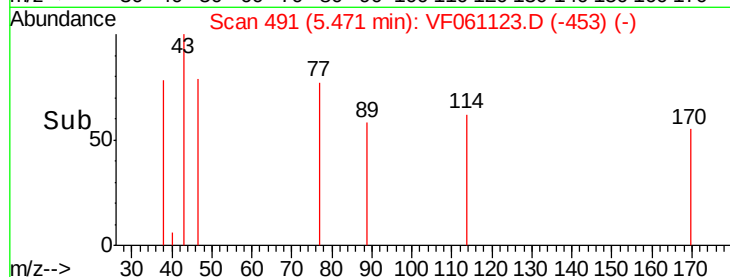
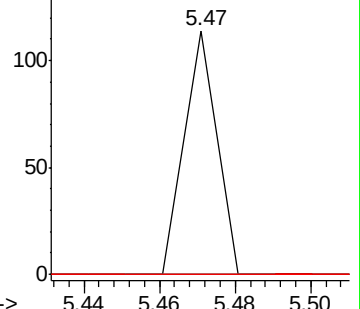
Tgt Ion:	114	Resp:	67
Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	41.6
88	0.0	0.0	38.0



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: 111.793 ug/l

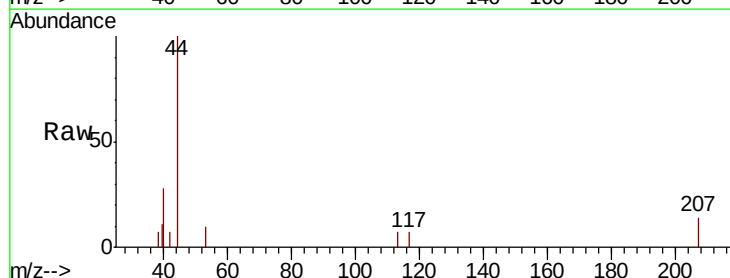
RT: 4.17 min Scan# 359

Delta R.T. 0.06 min

Lab File: VF061123.D

Acq: 21 Dec 2018 13:51

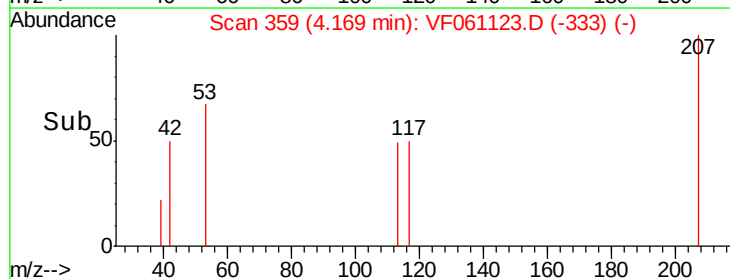
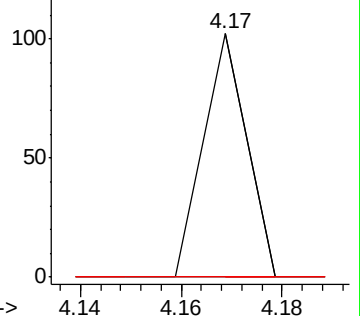
Tgt Ion:	113	Resp:	60
Ion	Ratio	Lower	Upper
113	100		
111	0.0	85.2	127.8#
192	0.0	12.8	19.2#

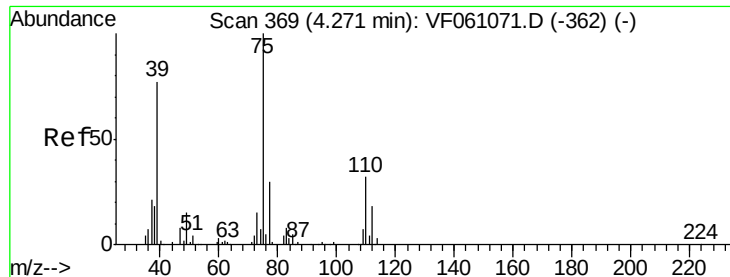


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

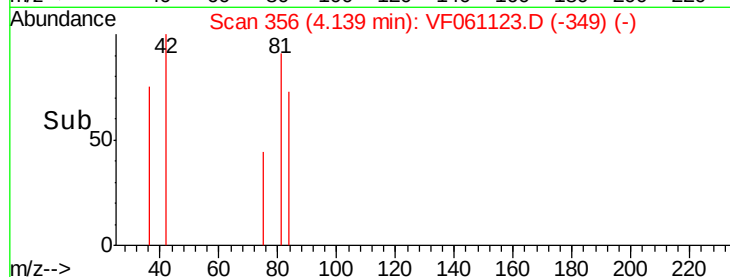
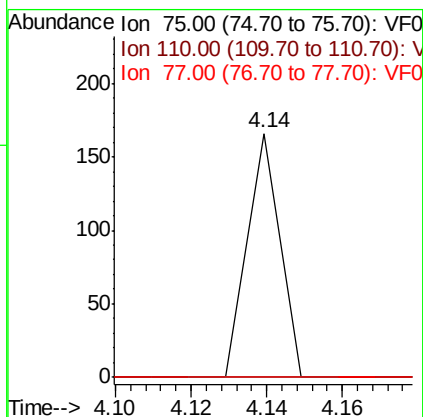
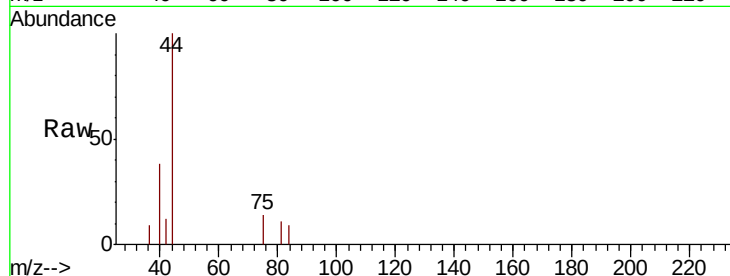




#36
 1,1-Dichloropropene
 Concen: 121.177 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. -0.13 min
 Lab File: VF061123.D
 Acq: 21 Dec 2018 13:51

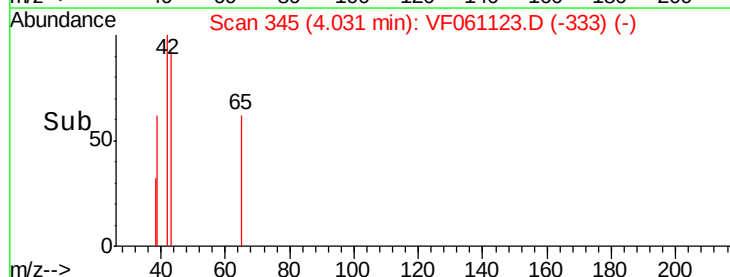
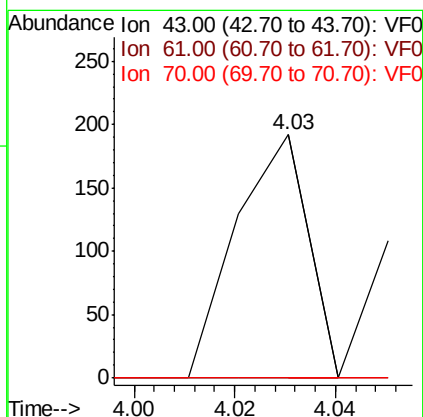
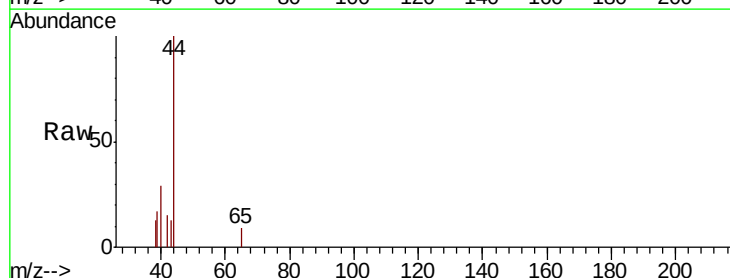
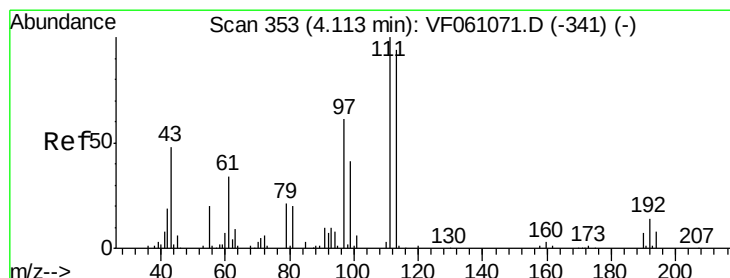
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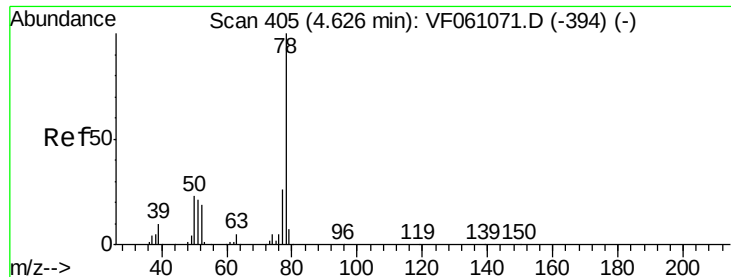
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.1	48.2#
77	0.0	24.5	36.7#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.03 min Scan# 345
 Delta R.T. -0.08 min
 Lab File: VF061123.D
 Acq: 21 Dec 2018 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	56.6	84.8#
70	0.0	6.3	9.5#





#40

Benzene

Concen: 40.249 ug/l

RT: 4.63 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF061123.D

Acq: 21 Dec 2018 13:51

Instrument :

MSVOA_F

ClientSampleId :

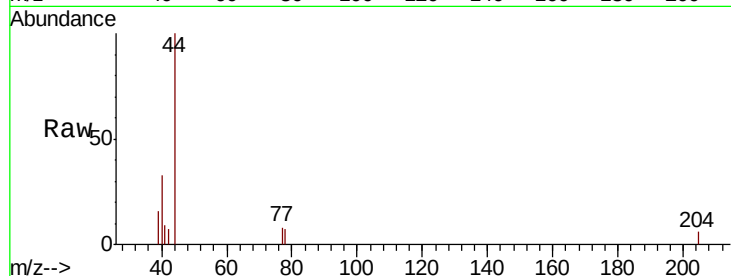
OK-01-121818-BRE

Tgt Ion: 78 Resp: 70

Ion Ratio Lower Upper

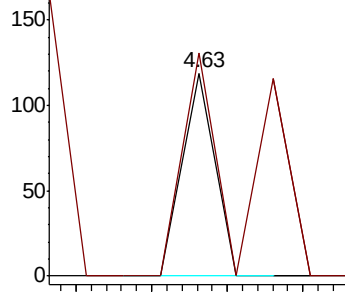
78 100

77 110.1 20.7 31.1#

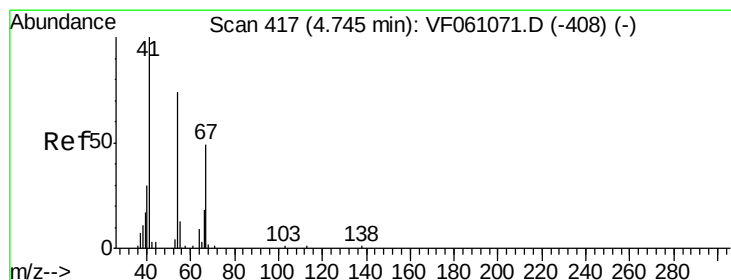
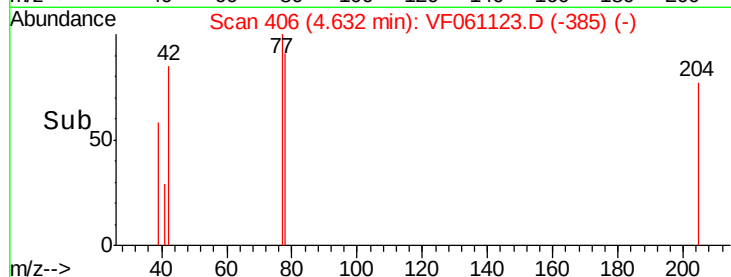


Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#41

Methacrylonitrile

Concen: 1416.889 ug/l

RT: 4.64 min Scan# 407

Delta R.T. -0.10 min

Lab File: VF061123.D

Acq: 21 Dec 2018 13:51

Tgt Ion: 41 Resp: 242

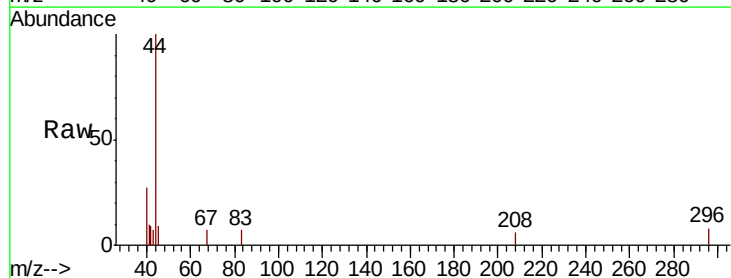
Ion Ratio Lower Upper

41 100

39 0.0 45.7 68.5#

67 64.8 38.9 58.3#

52 0.0 35.2 52.8#

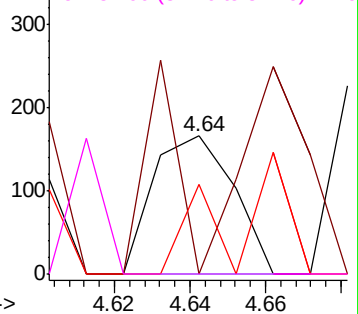


Abundance Ion 41.00 (40.70 to 41.70): VF0

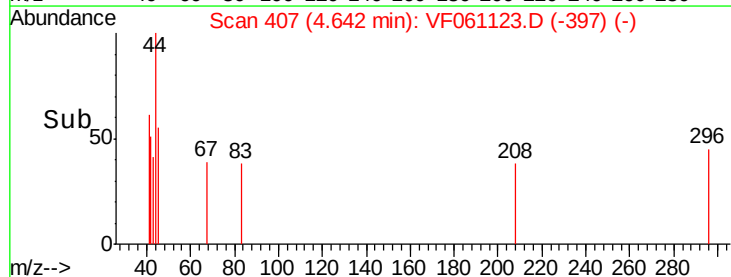
Ion 39.00 (38.70 to 39.70): VF0

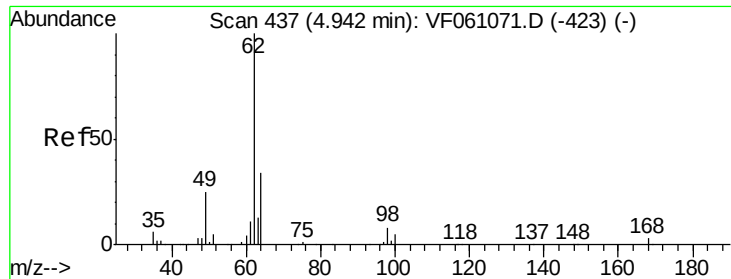
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->

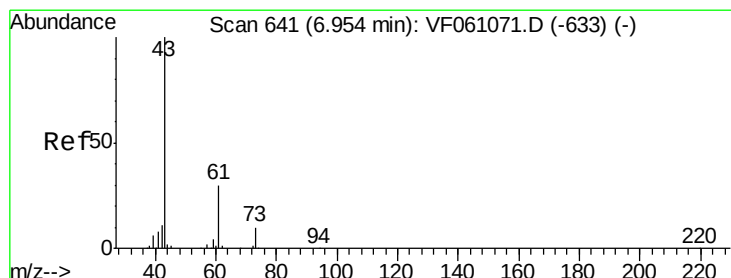
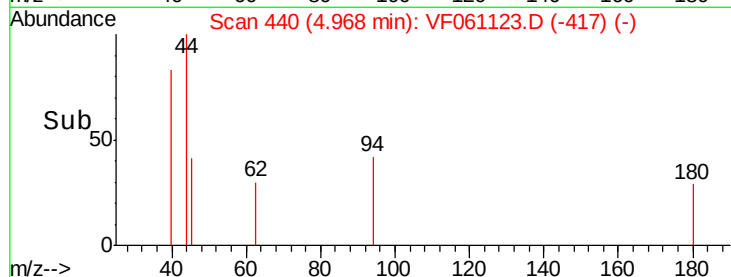
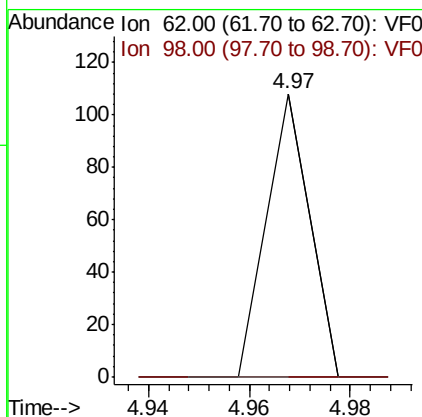
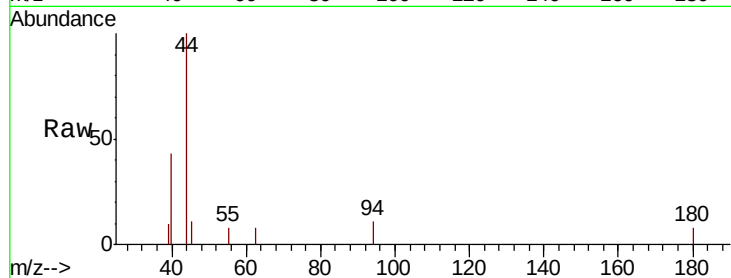




#42
 1,2-Dichloroethane
 Concen: 96.869 ug/l
 RT: 4.97 min Scan# 440
 Delta R.T. 0.03 min
 Lab File: VF061123.D
 Acq: 21 Dec 2018 13:51

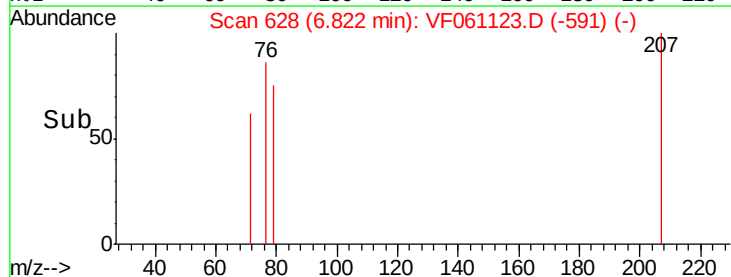
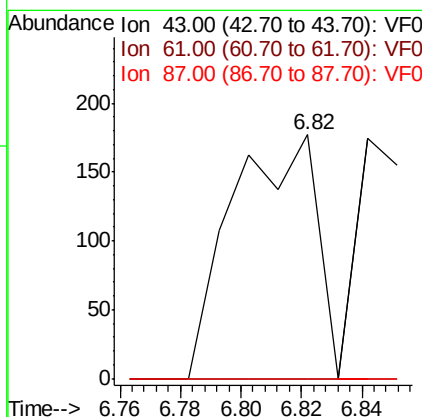
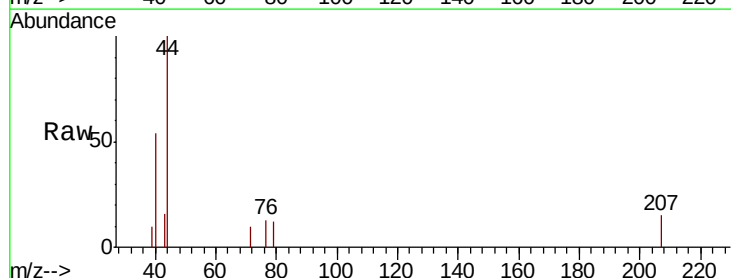
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-121818-BRE

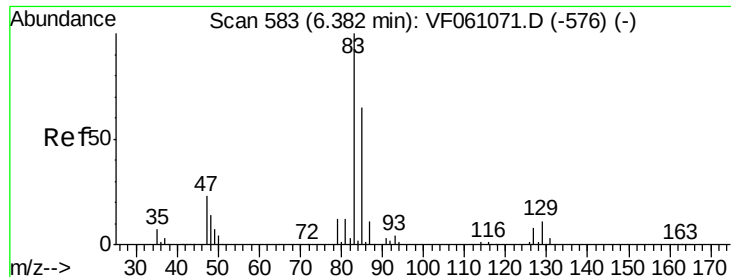
Tgt Ion: 62 Resp: 64
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 16.6



#43
 Isopropyl Acetate
 Concen: 886.047 ug/l
 RT: 6.82 min Scan# 628
 Delta R.T. -0.13 min
 Lab File: VF061123.D
 Acq: 21 Dec 2018 13:51

Tgt Ion: 43 Resp: 346
 Ion Ratio Lower Upper
 43 100
 61 0.0 23.8 35.8#
 87 0.0 0.0 0.0





#47

Bromodichloromethane

Concen: 91.548 ug/l

RT: 6.11 min Scan# 556

Delta R.T. -0.27 min

Lab File: VF061123.D

Acq: 21 Dec 2018 13:51

Instrument :

MSVOA_F

ClientSampleId :

OK-01-121818-BRE

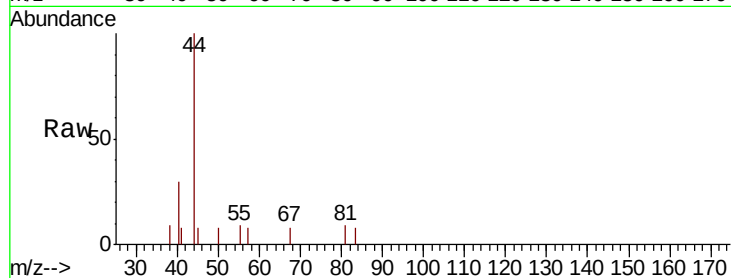
Tgt Ion: 83 Resp: 73

Ion Ratio Lower Upper

83 100

85 0.0 52.2 78.4#

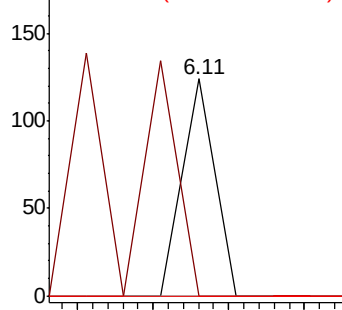
127 0.0 6.1 9.1#



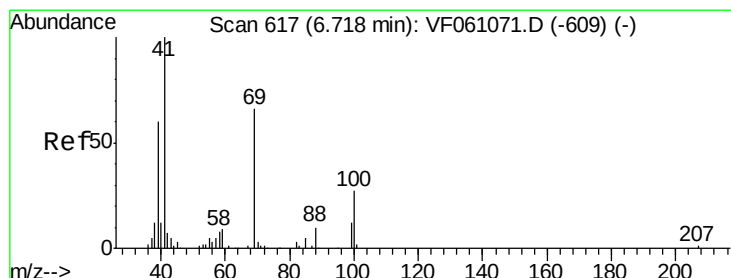
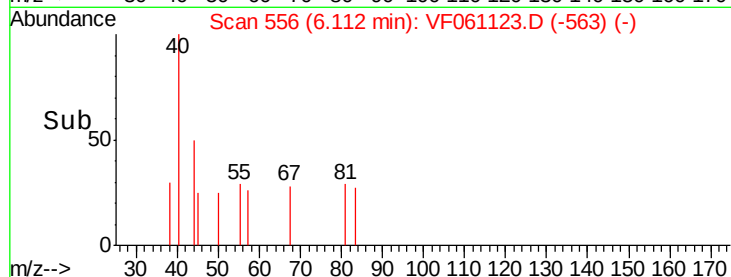
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



Time-->



#48

Methyl methacrylate

Concen: 704.304 ug/l

RT: 6.59 min Scan# 604

Delta R.T. -0.13 min

Lab File: VF061123.D

Acq: 21 Dec 2018 13:51

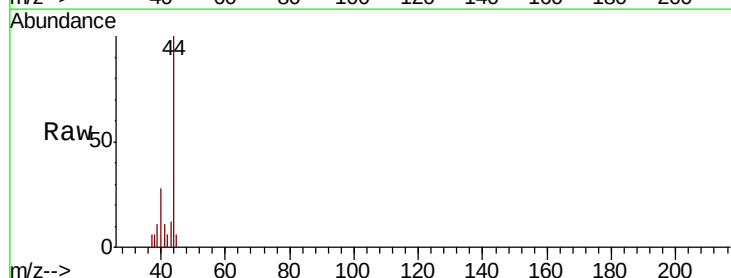
Tgt Ion: 41 Resp: 192

Ion Ratio Lower Upper

41 100

69 0.0 52.7 79.1#

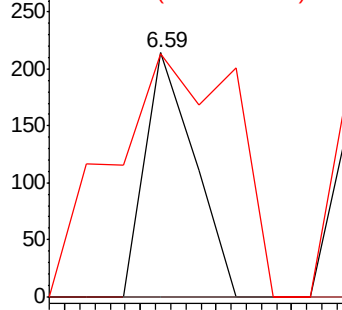
39 99.5 47.8 71.6#



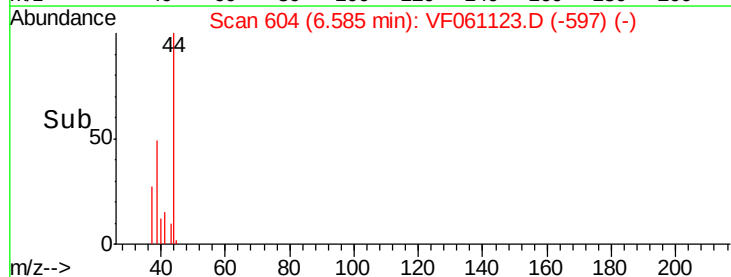
Abundance Ion 41.00 (40.70 to 41.70): VF0

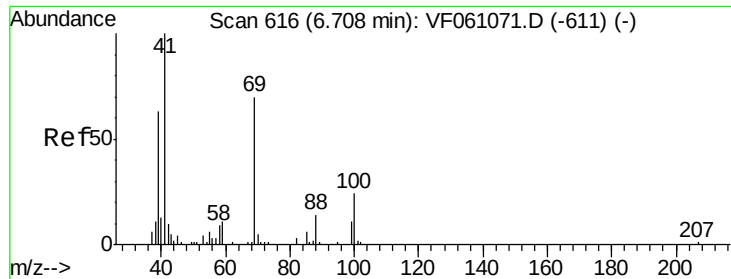
Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->

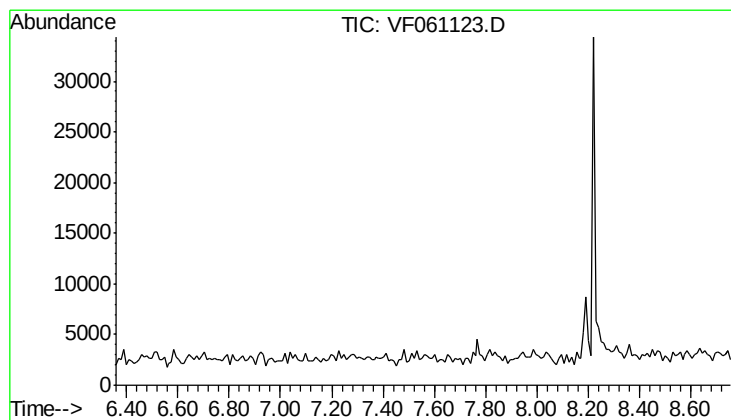
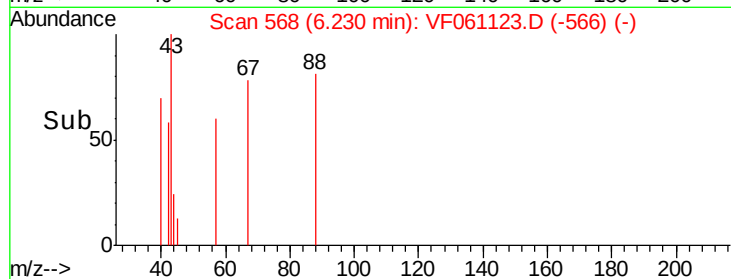
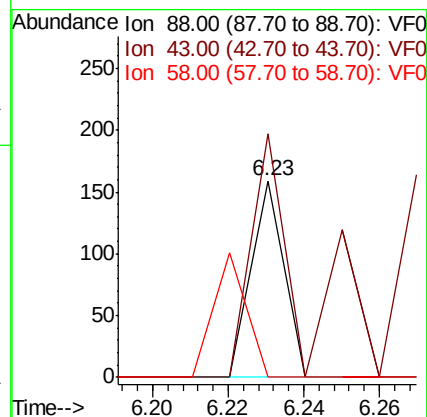
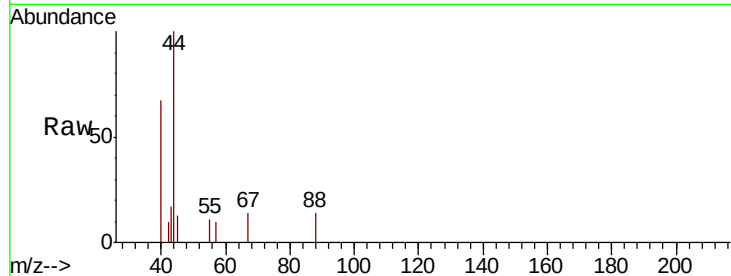




#49
1,4-Dioxane
Concen: 47521.568 ug/l
RT: 6.23 min Scan# 568
Delta R.T. -0.48 min
Lab File: VF061123.D
Acq: 21 Dec 2018 13:51

Instrument :
MSVOA_F
ClientSampleId :
OK-01-121818-BRE

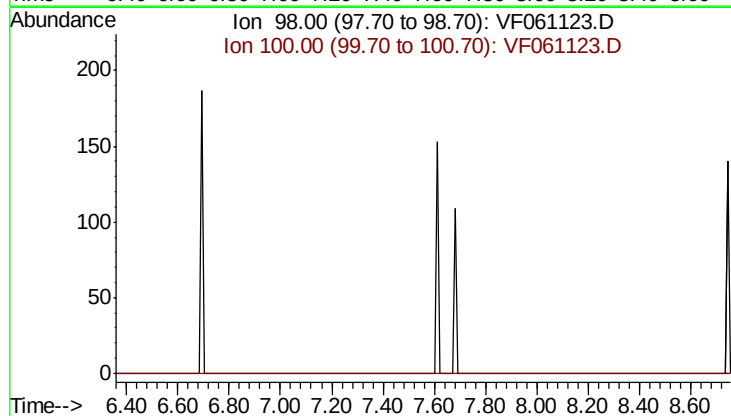
Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 123.9 33.3 49.9#
58 0.0 53.2 79.8#

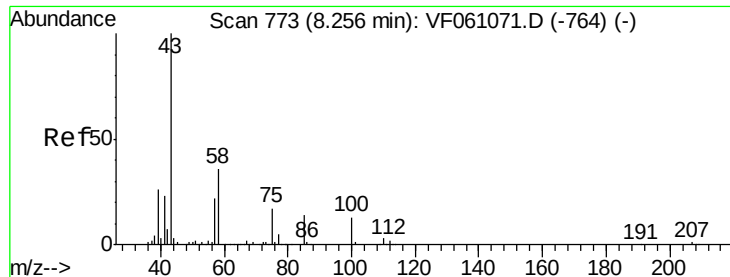


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.56 min

Lab File: VF061123.D
Acq: 21 Dec 2018 13:51

Tgt Ion: 98
Sig Exp Ratio
98 100
100 69.1





#51

4-Methyl-2-Pentanone

Concen: 1456.243 ug/l

RT: 8.09 min Scan# 757

Delta R.T. -0.16 min

Lab File: VF061123.D

Acq: 21 Dec 2018 13:51

Instrument :

MSVOA_F

ClientSampleId :

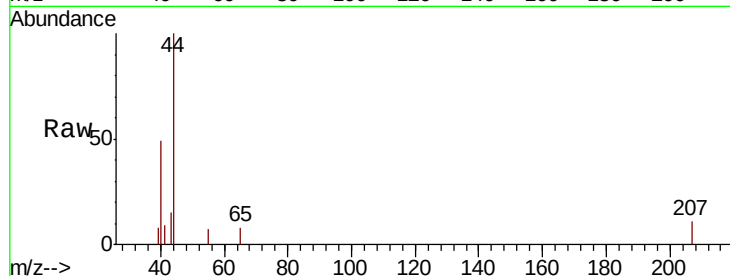
OK-01-121818-BRE

Tgt Ion: 43 Resp: 390

Ion Ratio Lower Upper

43 100

58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.09

250

200

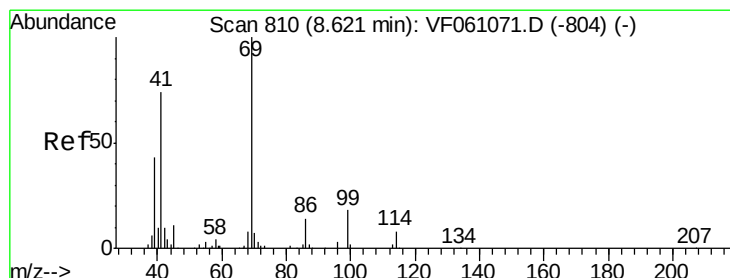
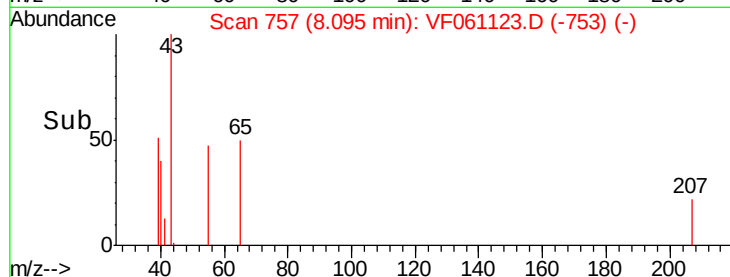
150

100

50

0

Time-->



#56

Ethyl methacrylate

Concen: 200.826 ug/l

RT: 8.44 min Scan# 792

Delta R.T. -0.18 min

Lab File: VF061123.D

Acq: 21 Dec 2018 13:51

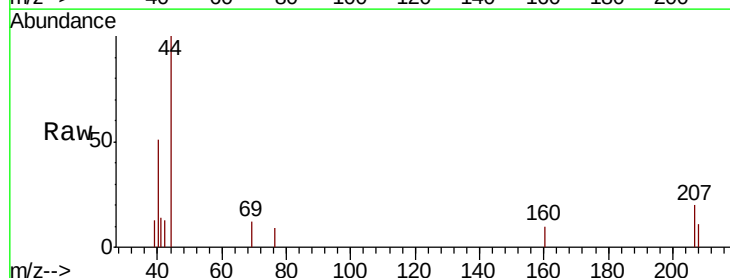
Tgt Ion: 69 Resp: 75

Ion Ratio Lower Upper

69 100

41 124.4 59.7 89.5#

39 112.6 35.0 52.6#



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

250

200

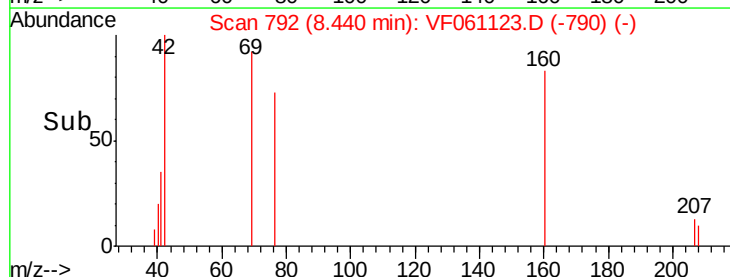
150

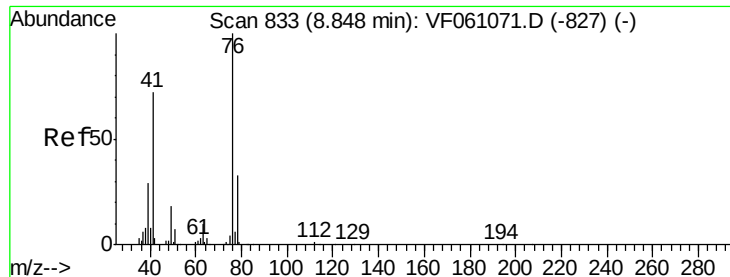
100

50

0

Time-->

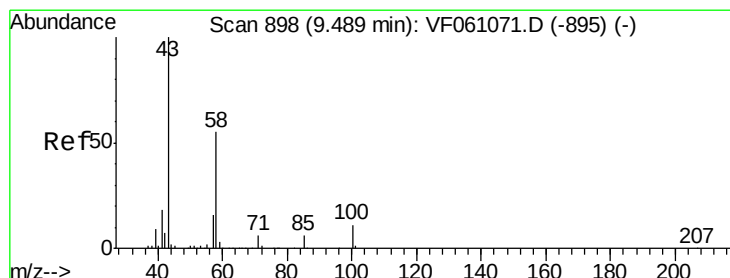
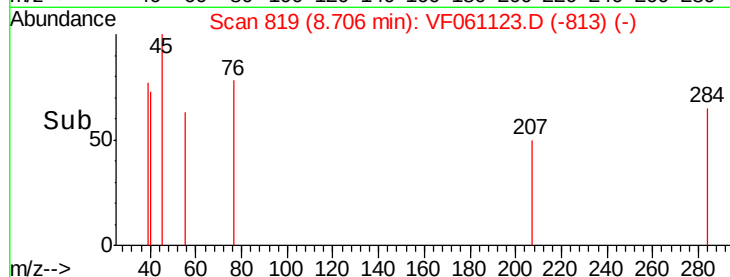
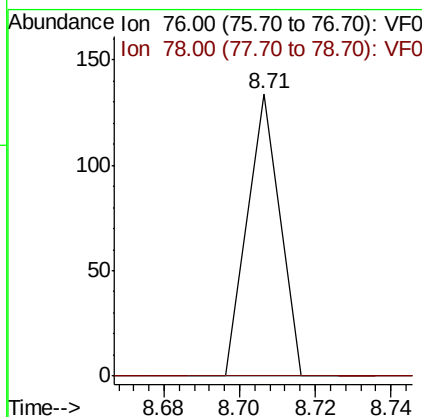
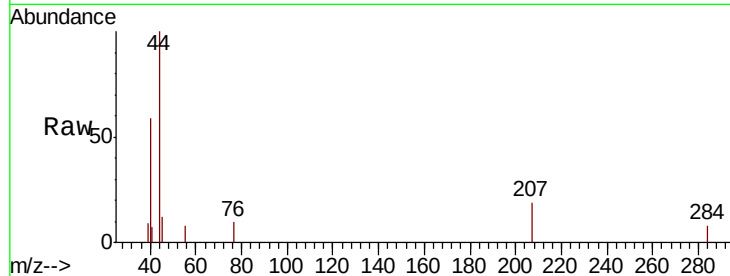




#57
 1,3-Dichloropropane
 Concen: 126.560 ug/l
 RT: 8.71 min Scan# 819
 Delta R.T. -0.14 min
 Lab File: VF061123.D
 Acq: 21 Dec 2018 13:51

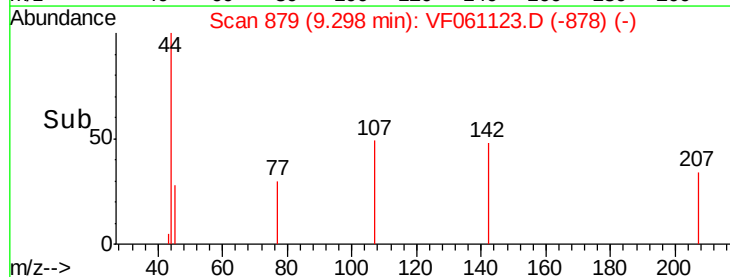
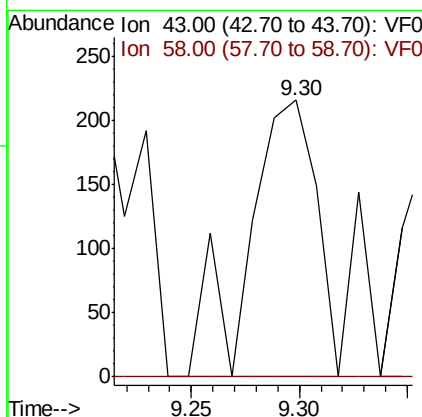
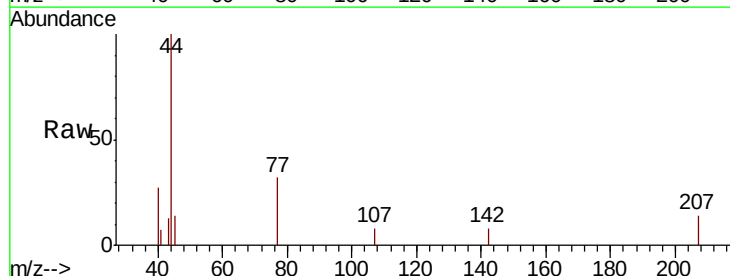
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-121818-BRE

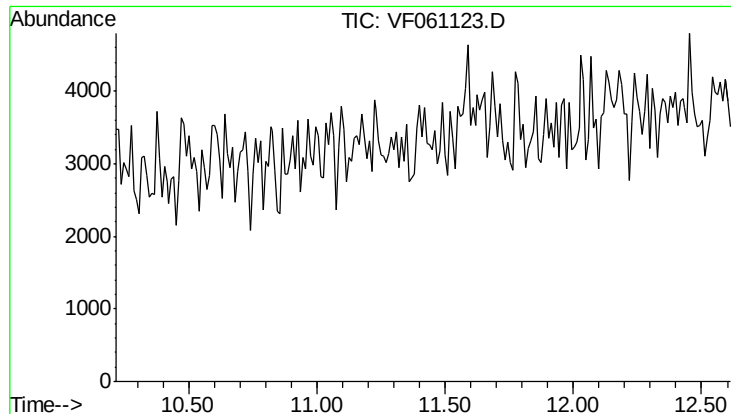
Tgt Ion: 76 Resp: 79
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.5 39.7#



#59
 2-Hexanone
 Concen: 2447.389 ug/l
 RT: 9.30 min Scan# 879
 Delta R.T. -0.19 min
 Lab File: VF061123.D
 Acq: 21 Dec 2018 13:51

Tgt Ion: 43 Resp: 474
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.1 75.2#

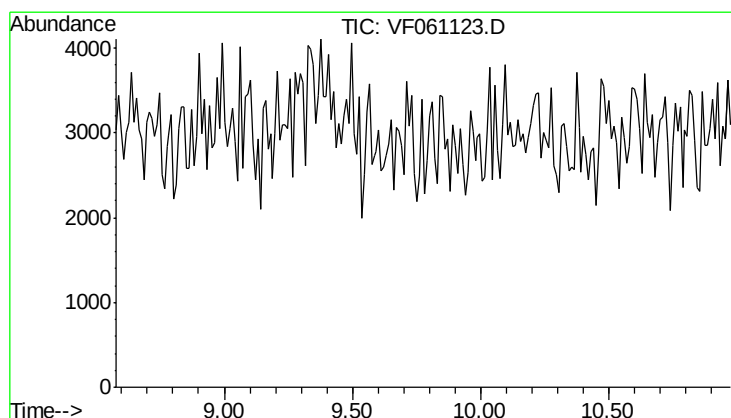
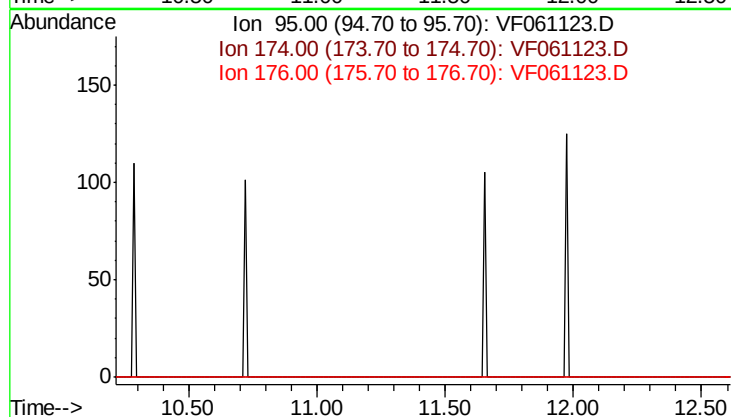




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.41 min
 Lab File: VF061123.D
 Acq: 21 Dec 2018 13:51

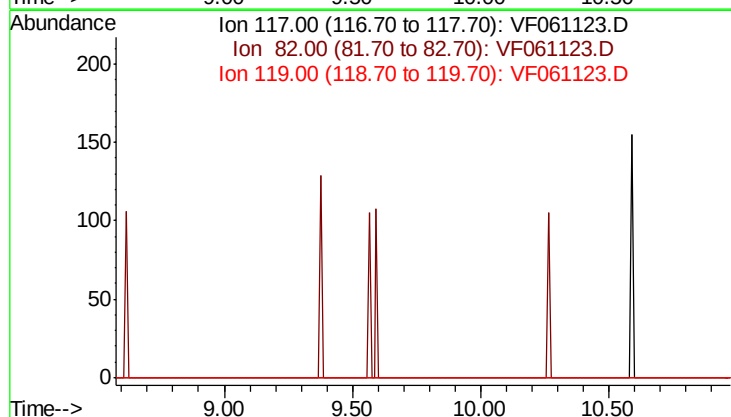
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-121818-BRE

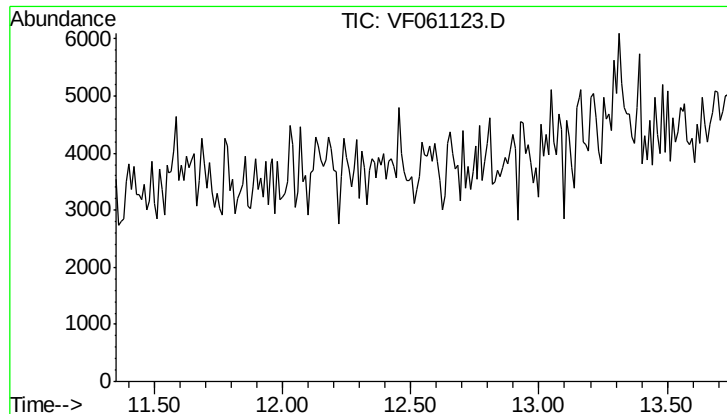
Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 71.9
 176 73.8



#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.78 min
 Lab File: VF061123.D
 Acq: 21 Dec 2018 13:51

Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 56.2
 119 31.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min
 Lab File: VF061123.D
 Acq: 21 Dec 2018 13:51

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-121818-BRE

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 115 66.6
 150 164.1

