

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121418\
 Data File : VF061021.D
 Acq On : 14 Dec 2018 15:44
 Operator : VA/AP
 Sample : J6403-13RE
 Misc : 3.6g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 15 00:06:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	224088	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.58	114	394874	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.77	117	349026	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.55	152	156621	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	130418	49.40	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	98.80%	
35) Dibromofluoromethane	4.09	113	151550	48.38	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	96.76%	
50) Toluene-d8	7.55	98	381298	41.32	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	82.64%	
62) 4-Bromofluorobenzene	11.40	95	155784	37.15	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	74.30%	

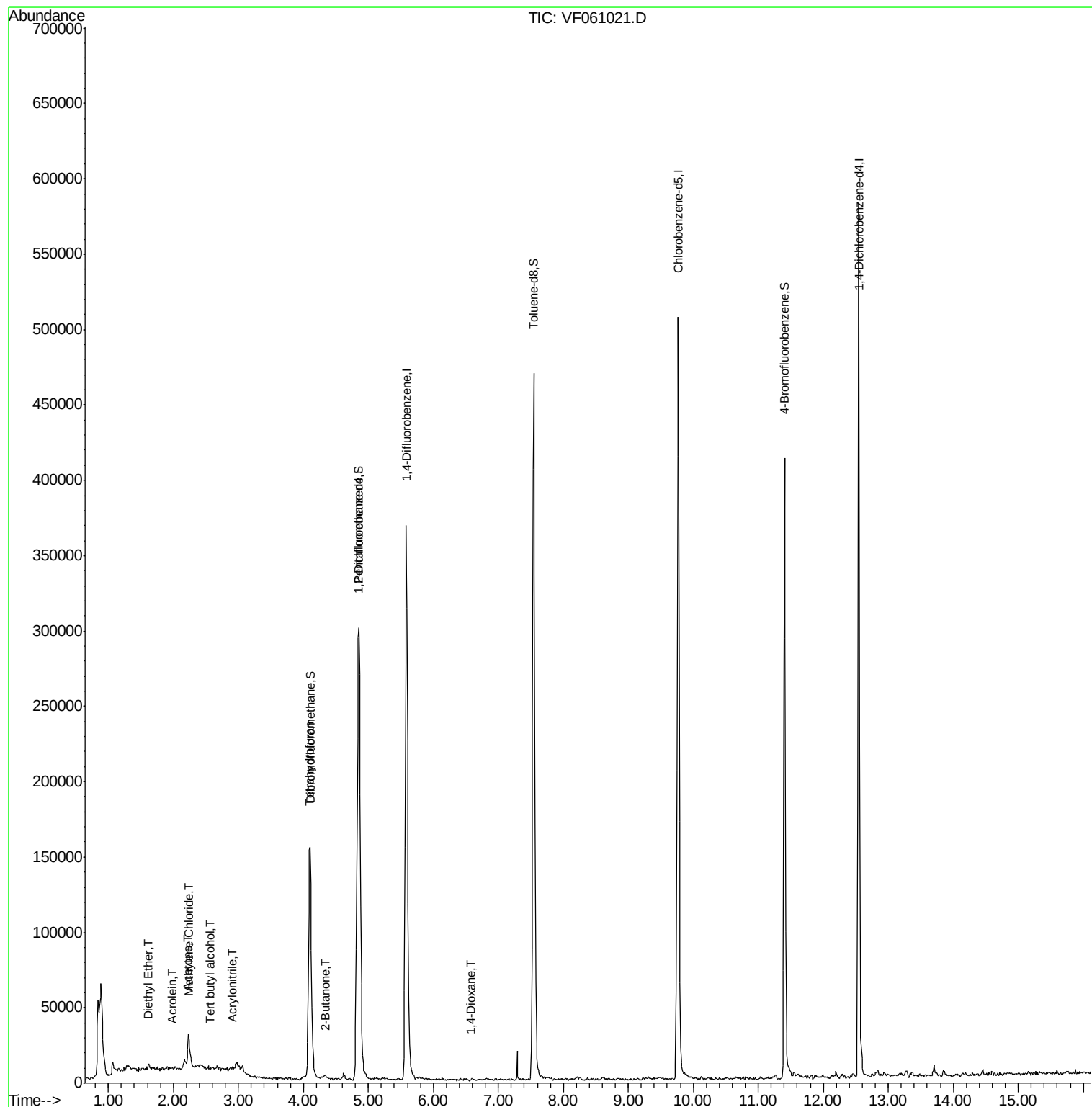
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.63	74	959	1.528	ug/l	74
11) Tert butyl alcohol	2.57	59	785	7.254	ug/l #	62
13) Acrolein	1.99	56	743	7.247	ug/l #	44
15) Acrylonitrile	2.92	53	769	3.170	ug/l #	44
16) Acetone	2.23	43	25536	52.457	ug/l	98
20) Methylene Chloride	2.25	84	5371	3.008	ug/l	89
25) 2-Butanone	4.33	43	7710	9.157	ug/l #	90
29) Tetrahydrofuran	4.08	42	920	2.578	ug/l #	61
41) Methacrylonitrile	4.75	41	456	Below Cal	#	23
43) Isopropyl Acetate	6.90	43	902	Below Cal	#	49
49) 1,4-Dioxane	6.57	88	68	5.767	ug/l #	17
95) Naphthalene	14.45	128	2013	Below Cal	#	85

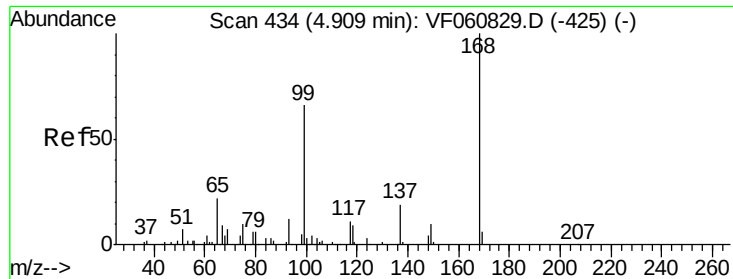
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121418\
Data File : VF061021.D
Acq On : 14 Dec 2018 15:44
Operator : VA/AP
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Misc : 3.6a/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 15 00:06:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061021.D

Acq: 14 Dec 2018 15:44

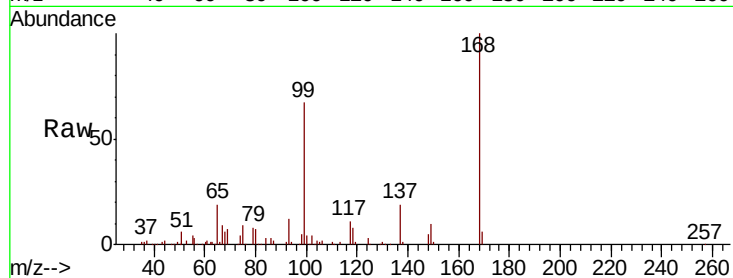
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 224088

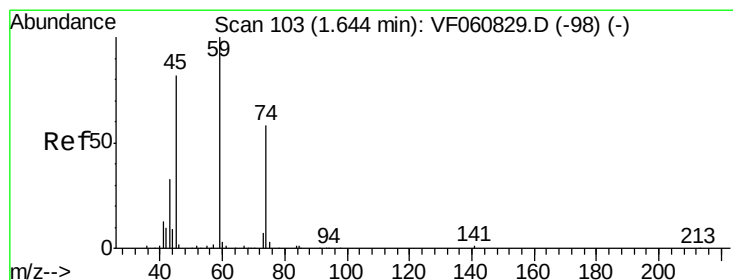
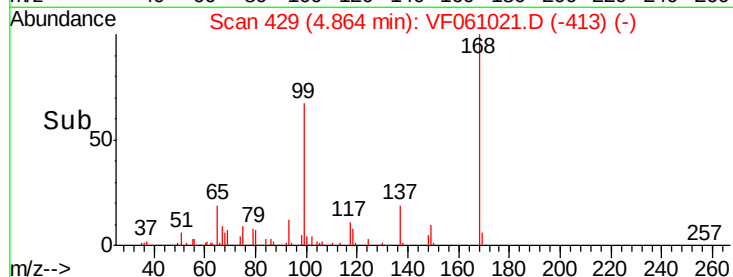
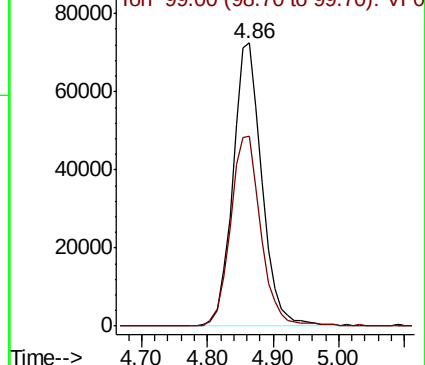
Ion Ratio Lower Upper

168 100

99 67.0 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 1.528 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF061021.D

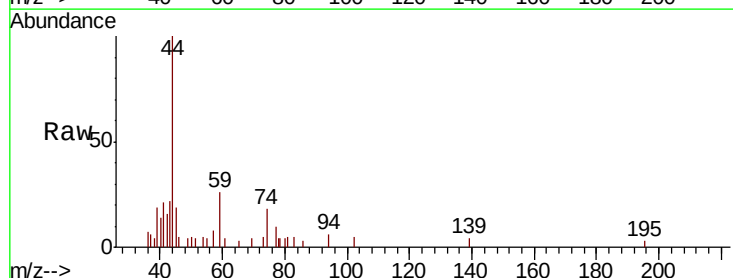
Acq: 14 Dec 2018 15:44

Tgt Ion: 74 Resp: 959

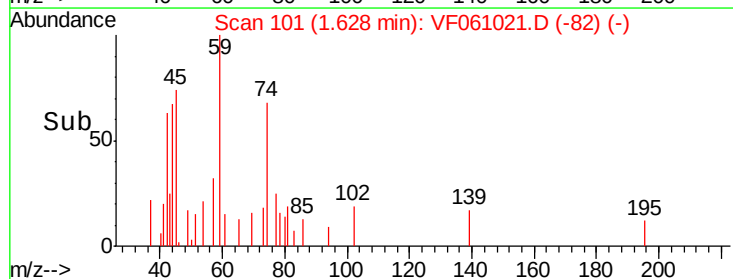
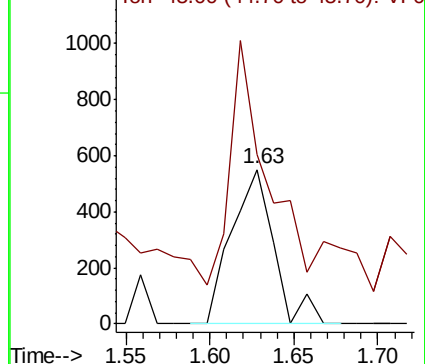
Ion Ratio Lower Upper

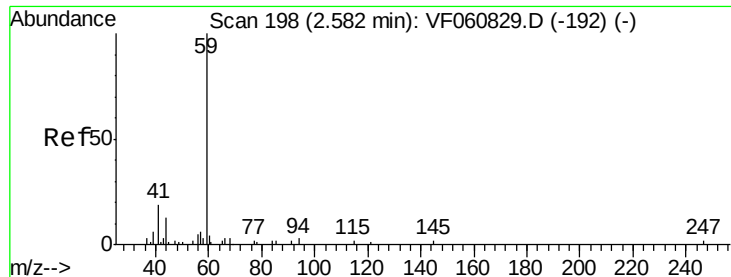
74 100

45 109.4 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0



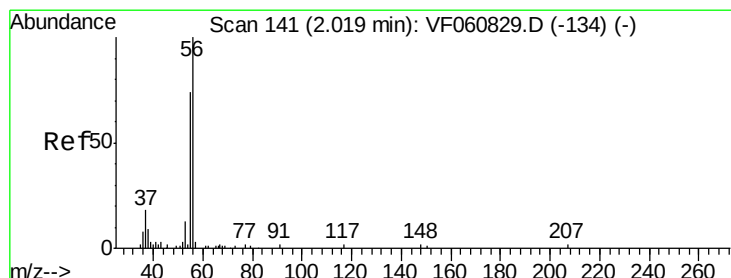
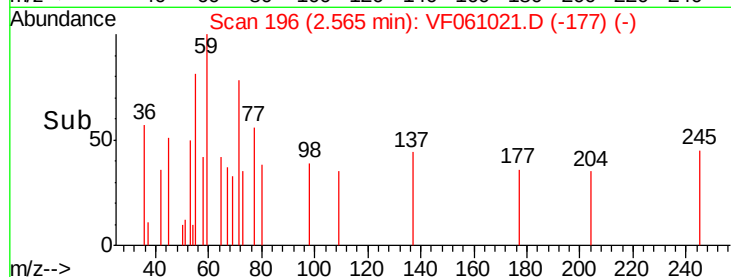
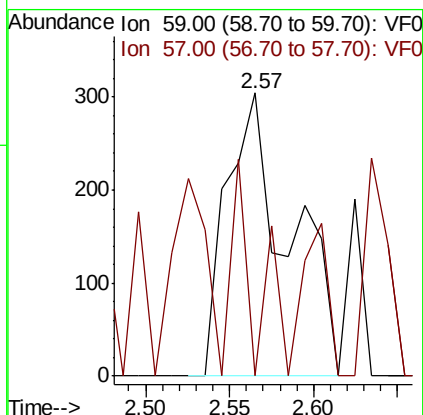
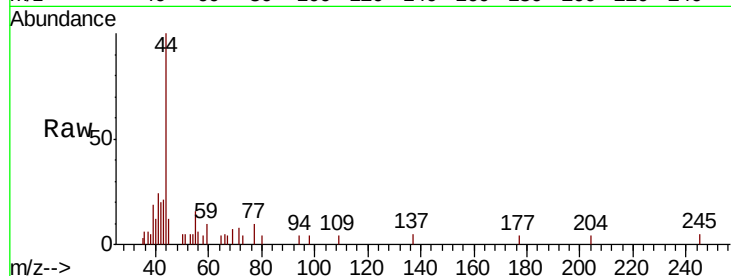


#11

Tert butyl alcohol
Concen: 7.254 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061021.D
Acq: 14 Dec 2018 15:44

Instrument :
MSVOA_F
ClientSampled :

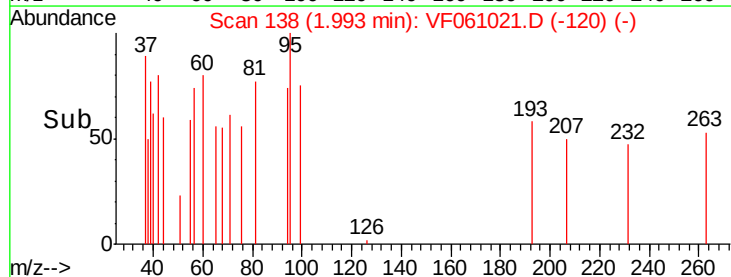
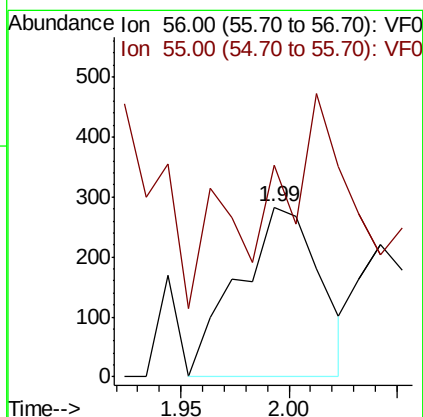
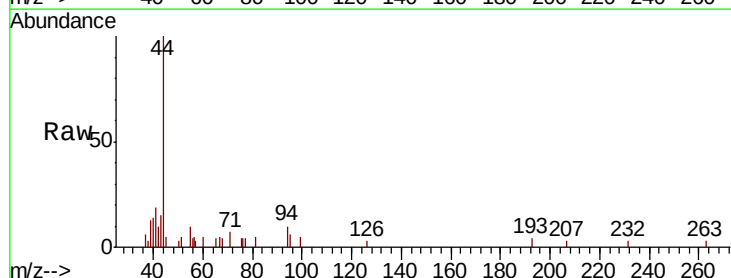
Tot Ion: 59 Resp: 785
Ion Ratio Lower Upper
59 100
57 0.0 12.7 19.1#

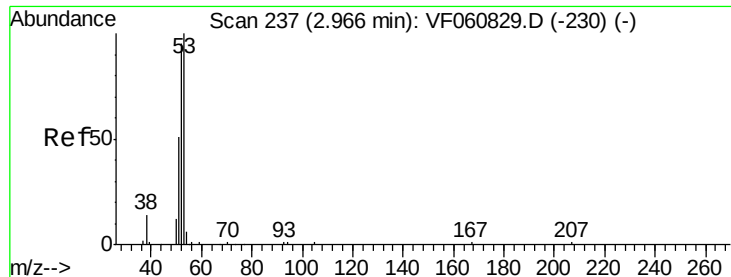


#13

Acrolein
Concen: 7.247 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.03 min
Lab File: VF061021.D
Acq: 14 Dec 2018 15:44

Tgt Ion: 56 Resp: 743
Ion Ratio Lower Upper
56 100
55 124.7 61.2 91.8#





#15

Acrylonitrile

Concen: 3.170 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.05 min

Lab File: VF061021.D

Acq: 14 Dec 2018 15:44

Instrument :

MSVOA_F

ClientSampleId :

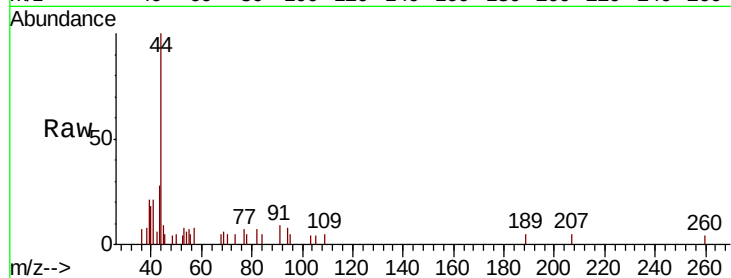
Tot Ion: 53 Resp: 769

Ion Ratio Lower Upper

53 100

52 49.8 76.5 114.7#

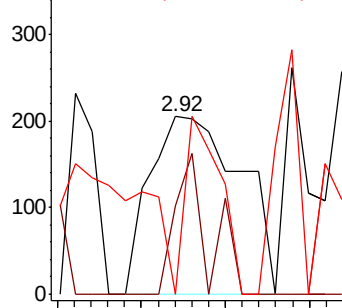
51 0.0 40.7 61.1#



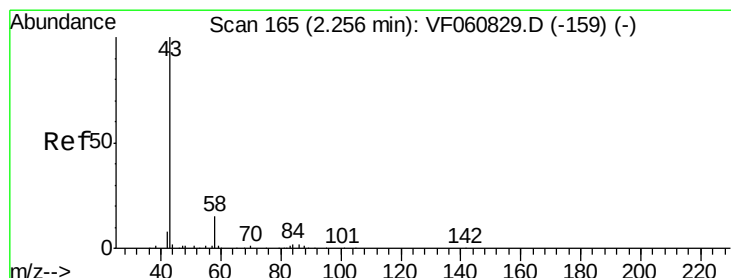
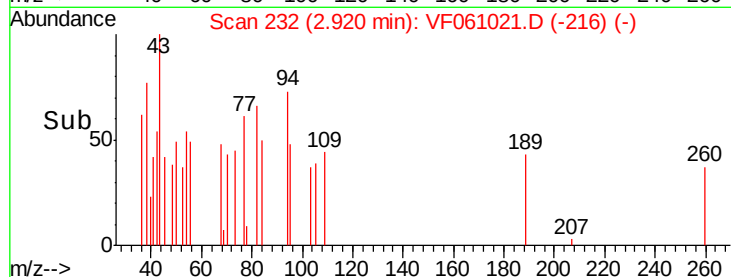
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 52.457 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.03 min

Lab File: VF061021.D

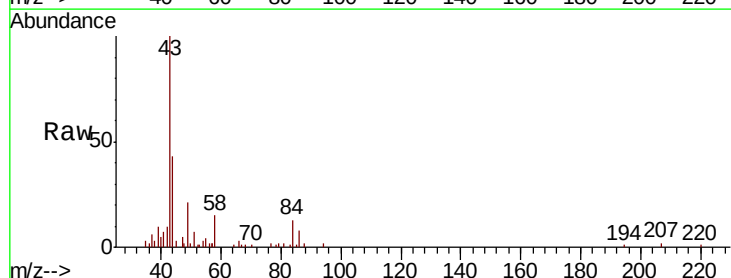
Acq: 14 Dec 2018 15:44

Tgt Ion: 43 Resp: 25536

Ion Ratio Lower Upper

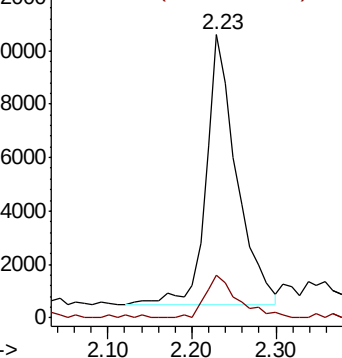
43 100

58 15.0 11.4 17.2

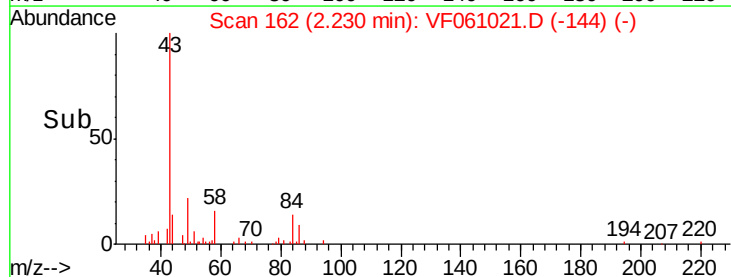


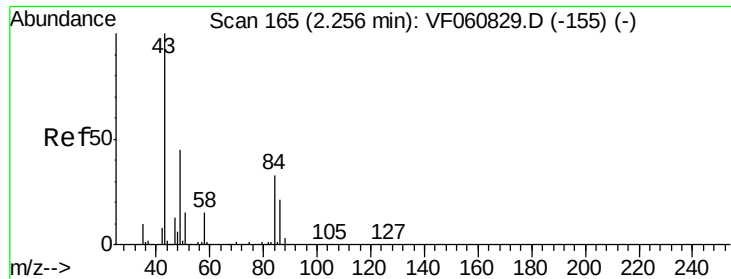
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

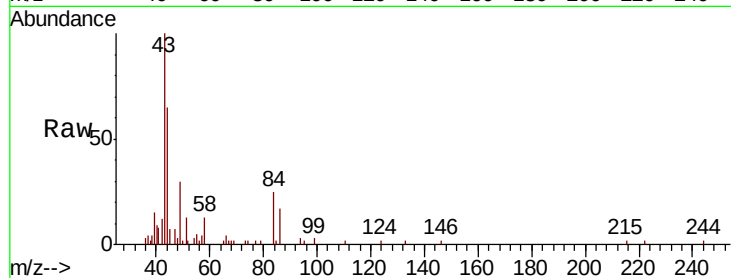




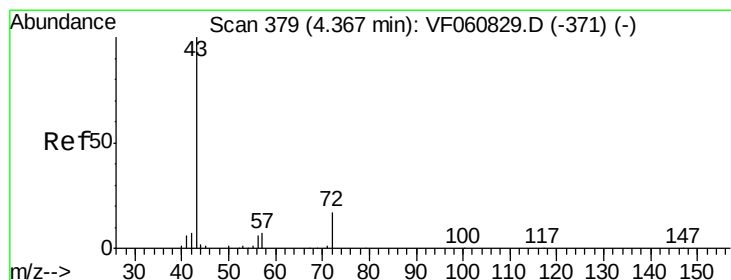
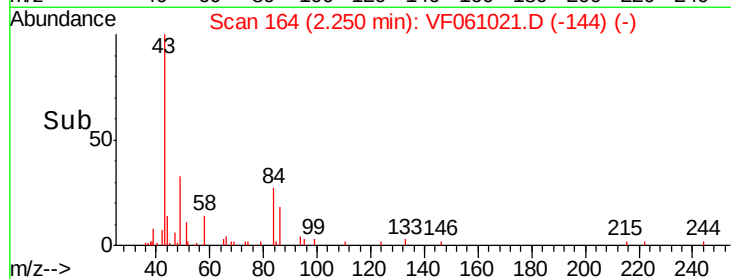
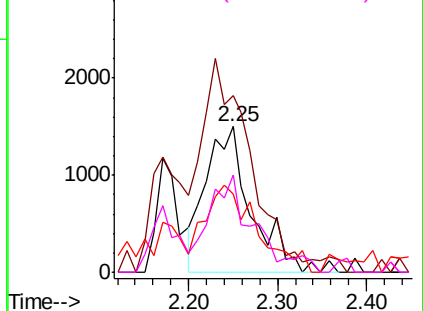
#20
Methylene Chloride
Concen: 3.008 ug/l
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061021.D
Acq: 14 Dec 2018 15:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 5371
Ion Ratio Lower Upper
84 100
49 121.7 111.3 166.9
51 53.9 38.0 57.0
86 66.6 49.8 74.8

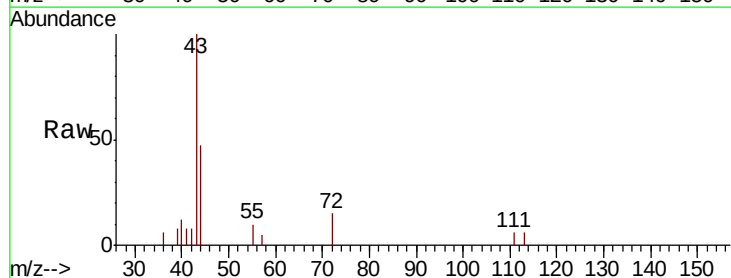


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

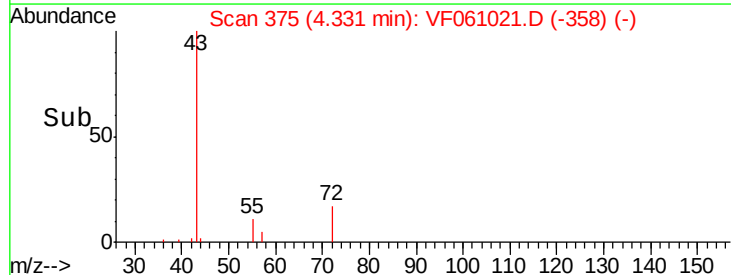
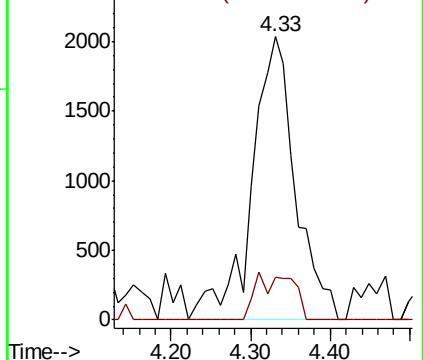


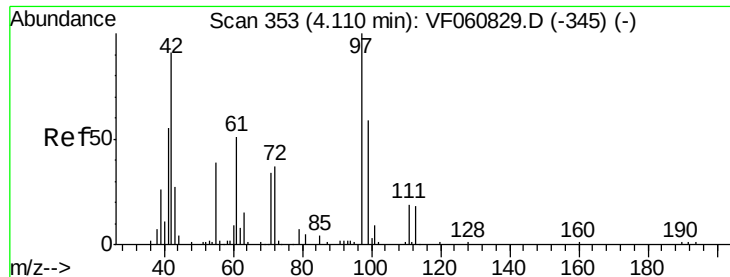
#25
2-Butanone
Concen: 9.157 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.04 min
Lab File: VF061021.D
Acq: 14 Dec 2018 15:44

Tgt Ion: 43 Resp: 7710
Ion Ratio Lower Upper
43 100
72 15.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 2.578 ug/l

RT: 4.08 min Scan# 350

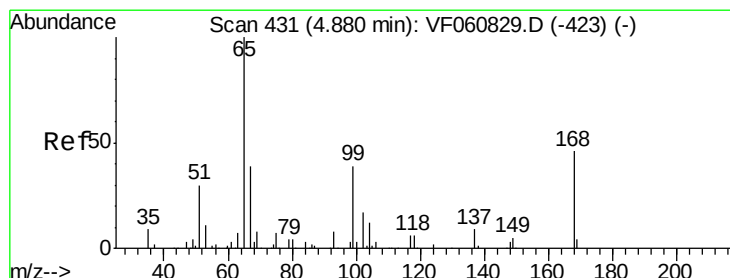
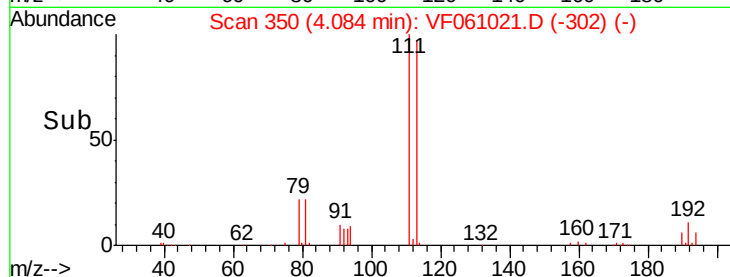
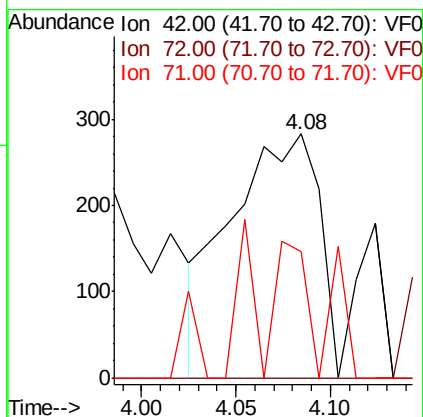
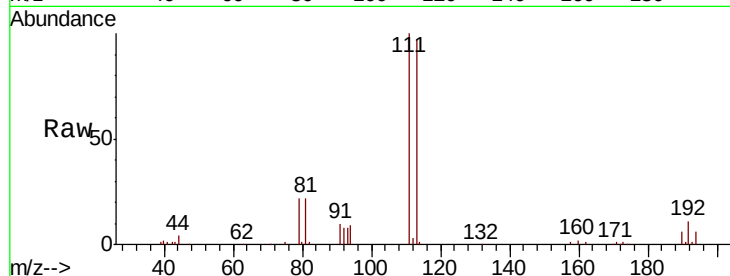
Delta R.T. -0.03 min

Lab File: VF061021.D

Acq: 14 Dec 2018 15:44

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	920
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	29.3	28.7	43.1



#33

1,2-Dichloroethane-d4

Concen: 49.404 ug/l

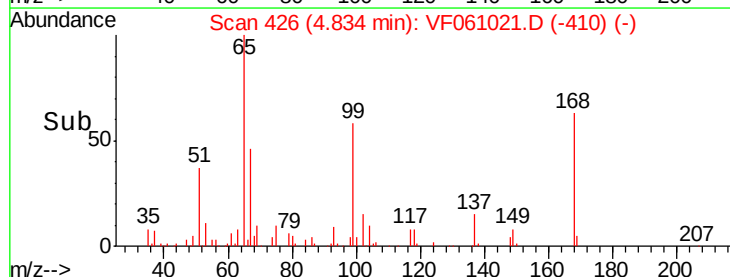
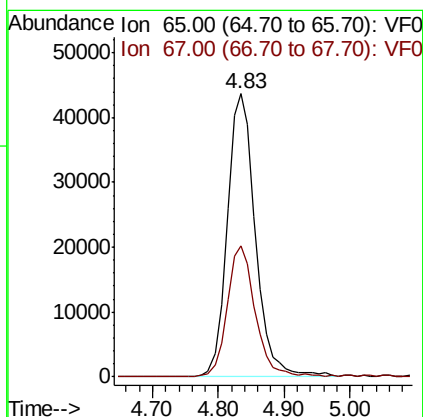
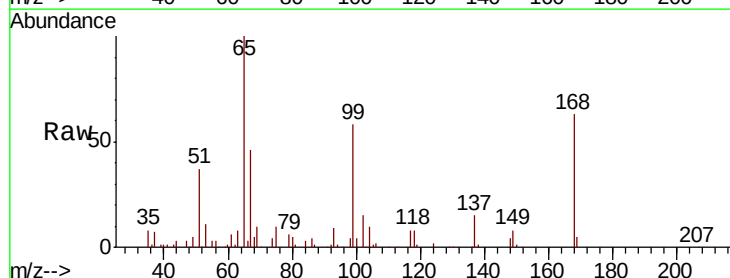
RT: 4.83 min Scan# 426

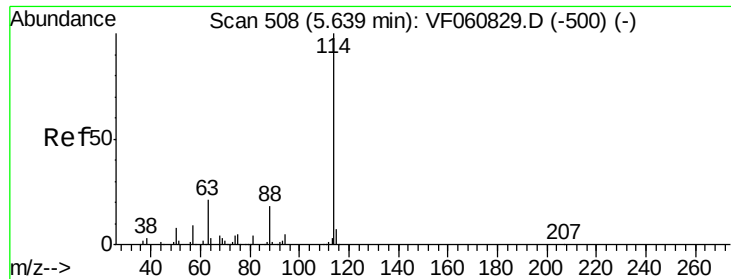
Delta R.T. -0.05 min

Lab File: VF061021.D

Acq: 14 Dec 2018 15:44

Tgt Ion:	65	Resp:	130418
Ion	Ratio	Lower	Upper
65	100		
67	46.3	0.0	96.4

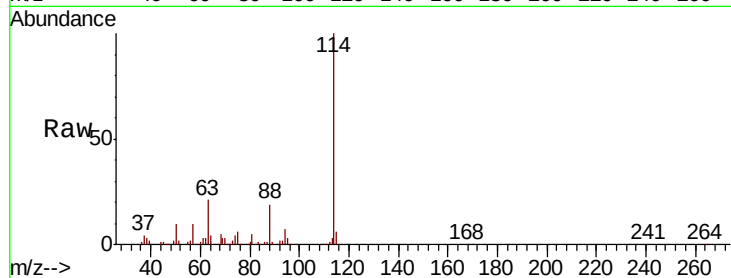




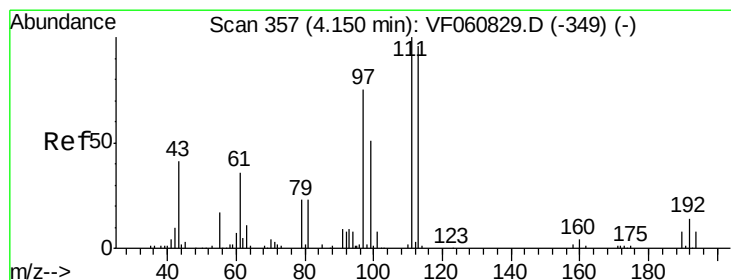
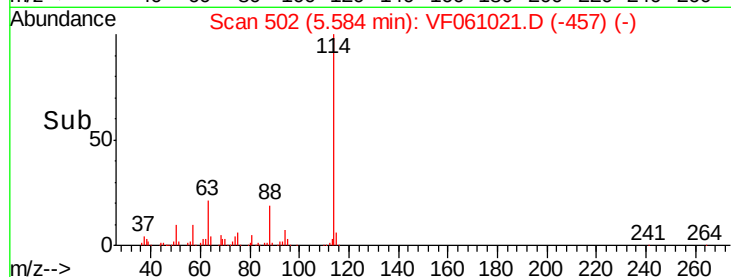
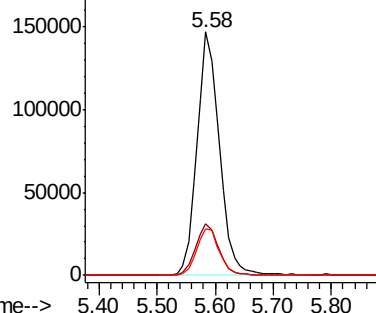
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.06 min
 Lab File: VF061021.D
 Acq: 14 Dec 2018 15:44

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:114 Resp: 394874
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.6
 88 19.3 0.0 36.6

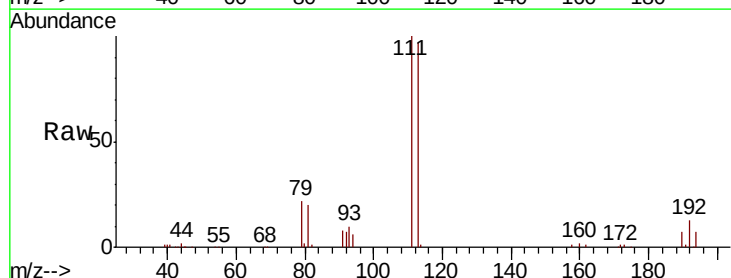


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

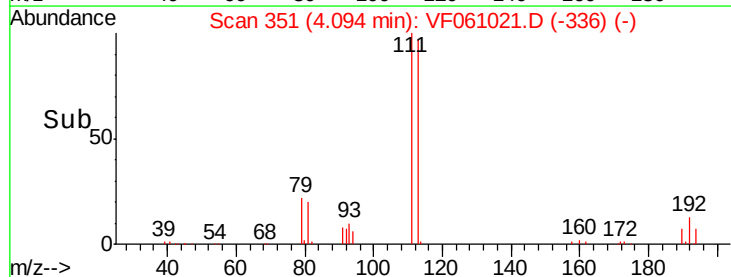
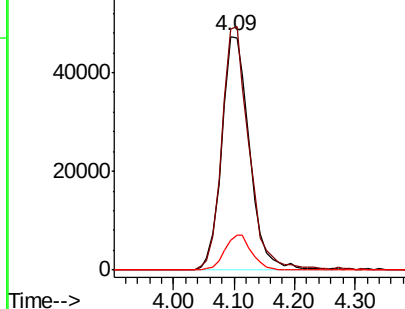


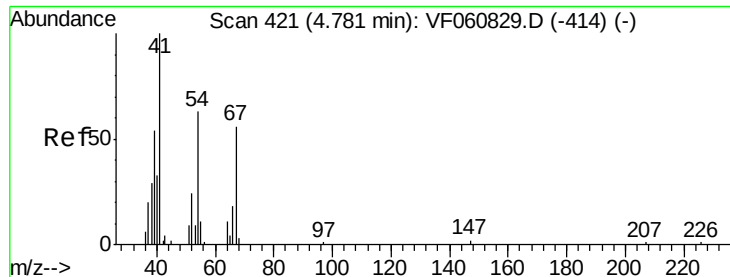
#35
 Dibromofluoromethane
 Concen: 48.378 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.06 min
 Lab File: VF061021.D
 Acq: 14 Dec 2018 15:44

Tgt Ion:113 Resp: 151550
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.0 124.6
 192 13.0 12.3 18.5



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

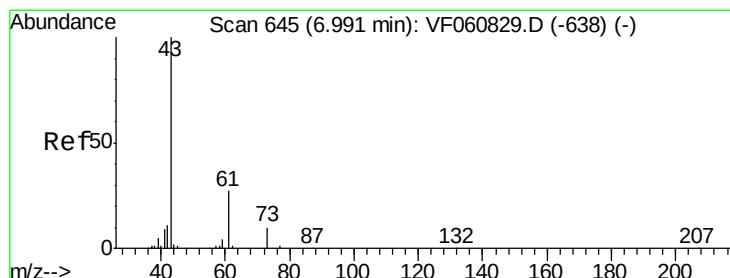
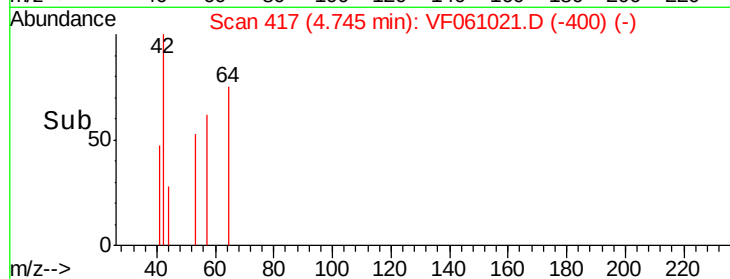
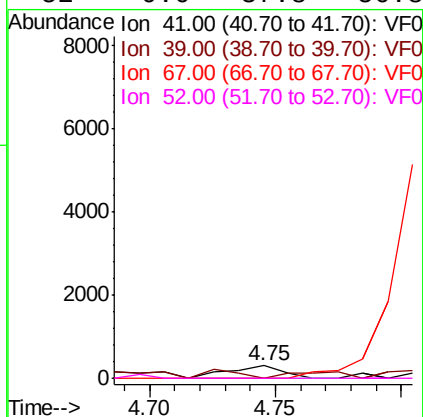
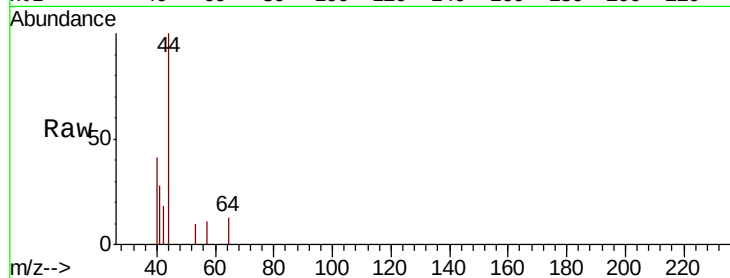




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.75 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF061021.D
Acq: 14 Dec 2018 15:44

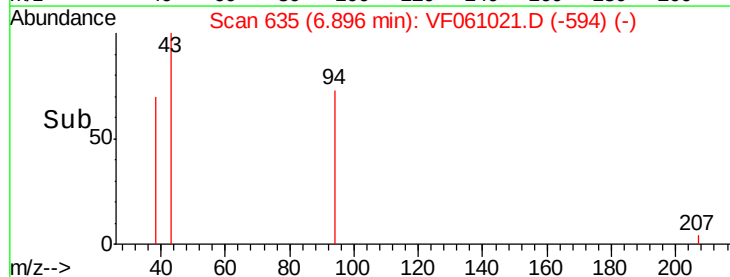
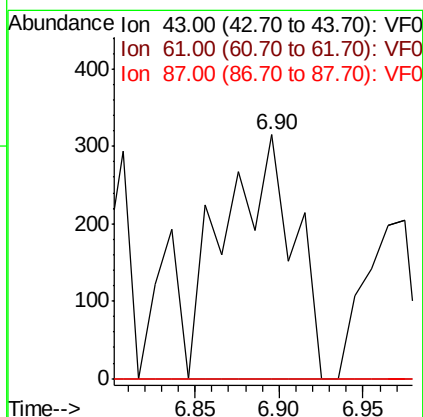
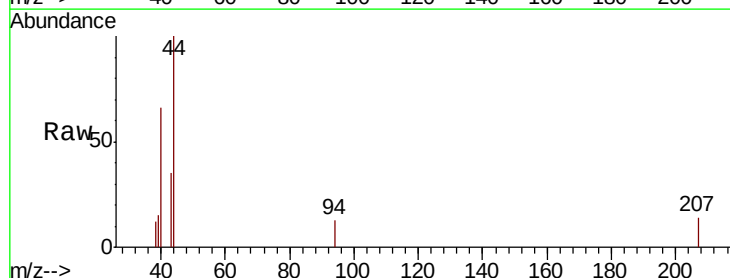
Instrument :
MSVOA_F
ClientSampleId :

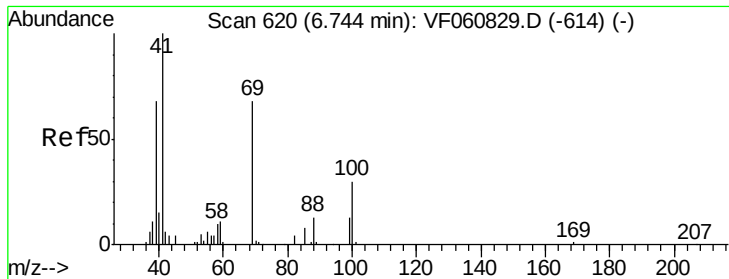
Tot Ion:	41	Resp:	456
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.90 min Scan# 635
Delta R.T. -0.09 min
Lab File: VF061021.D
Acq: 14 Dec 2018 15:44

Tgt Ion:	43	Resp:	902
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#

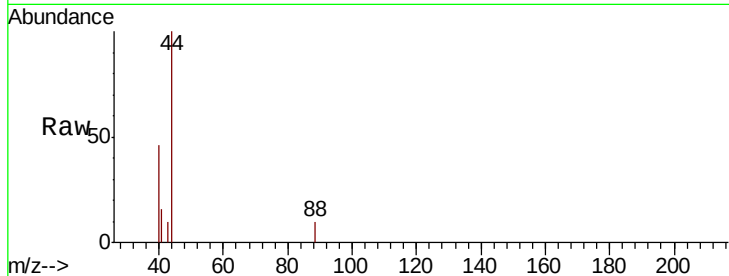




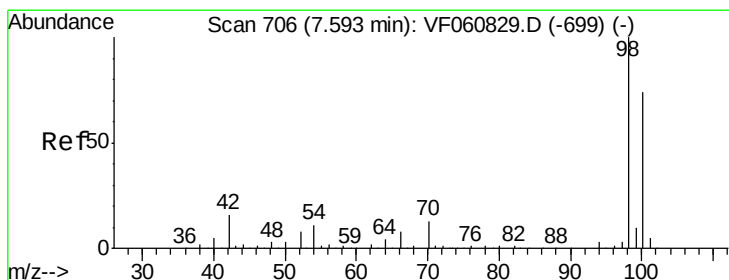
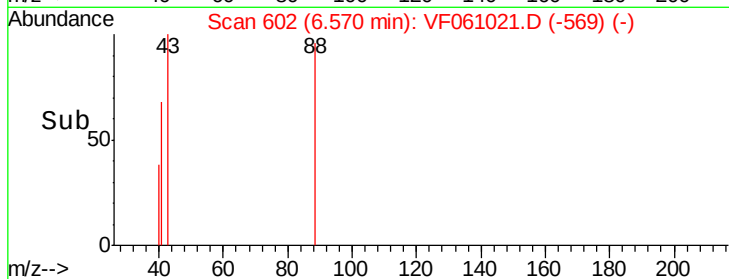
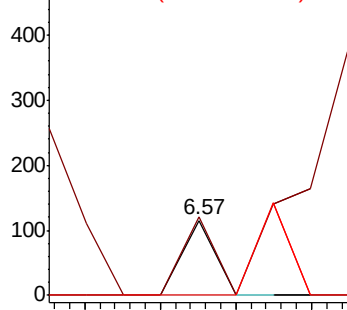
#49
1,4-Dioxane
Concen: 5.767 ug/l
RT: 6.57 min Scan# 602
Delta R.T. -0.17 min
Lab File: VF061021.D
Acq: 14 Dec 2018 15:44

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 104.3 42.0 63.0#
58 0.0 61.8 92.8#

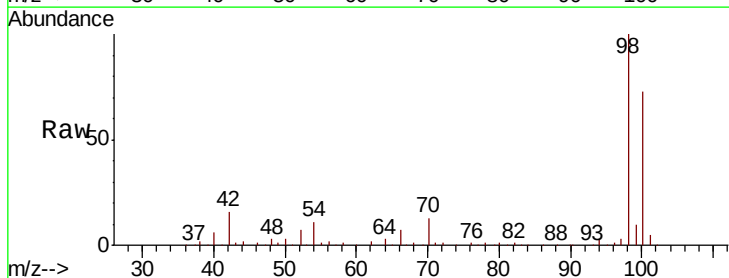


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

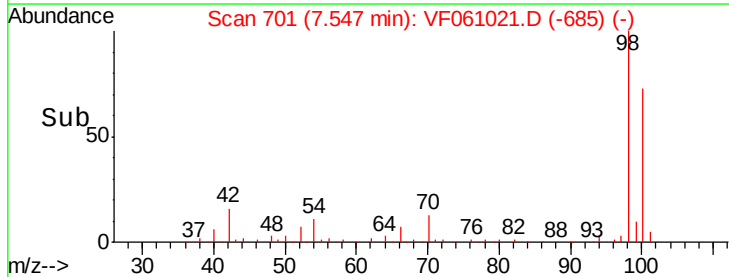
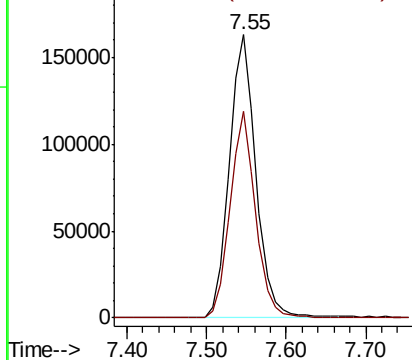


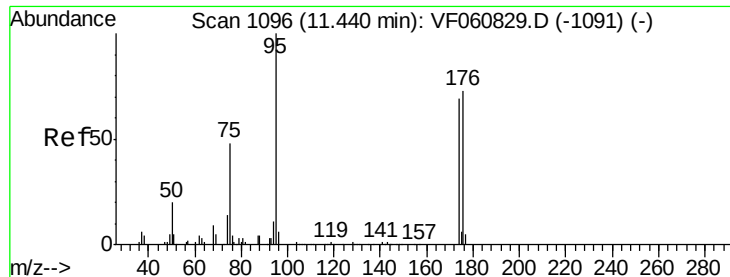
#50
Toluene-d8
Concen: 41.321 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF061021.D
Acq: 14 Dec 2018 15:44

Tgt Ion: 98 Resp: 381298
Ion Ratio Lower Upper
98 100
100 73.1 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 37.145 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF061021.D

Acq: 14 Dec 2018 15:44

Instrument :

MSVOA_F

ClientSampleId :

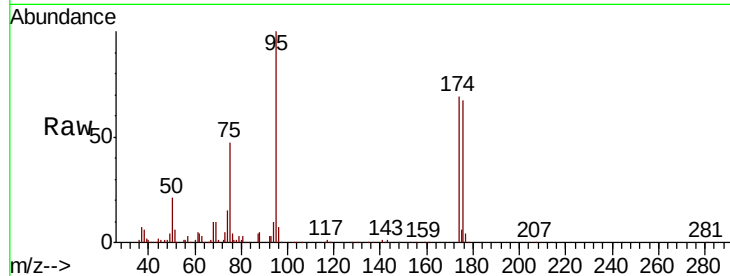
Tot Ion: 95 Resp: 155784

Ion Ratio Lower Upper

95 100

174 69.4 0.0 138.2

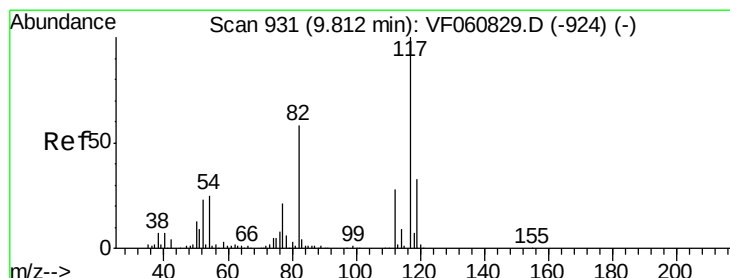
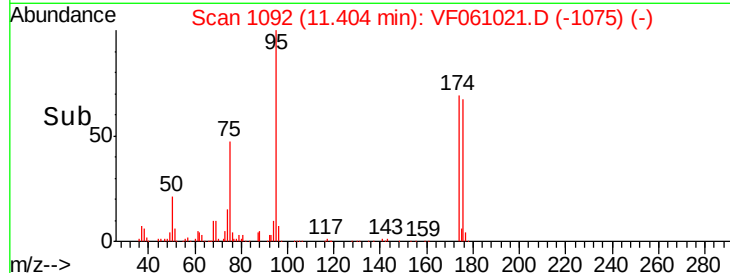
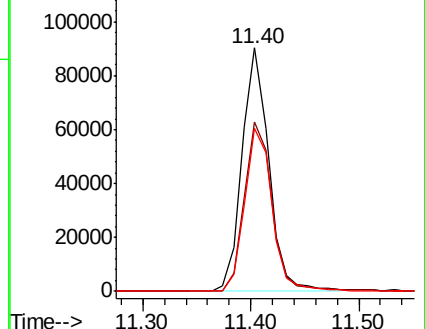
176 67.1 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF060829.D (-1091) (-)

Ion 174.00 (173.70 to 174.70): VF060829.D (-1091) (-)

Ion 176.00 (175.70 to 176.70): VF060829.D (-1091) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 926

Delta R.T. -0.05 min

Lab File: VF061021.D

Acq: 14 Dec 2018 15:44

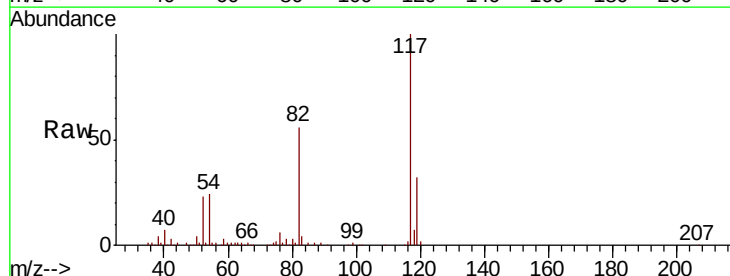
Tgt Ion: 117 Resp: 349026

Ion Ratio Lower Upper

117 100

82 56.3 46.6 69.8

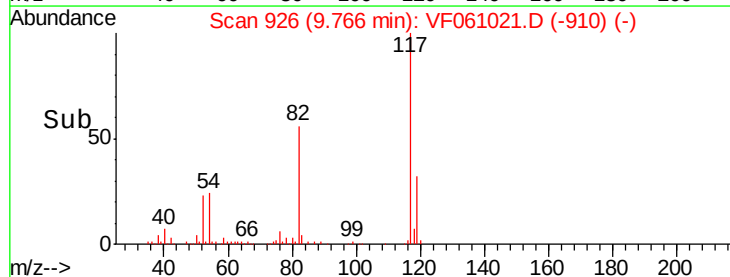
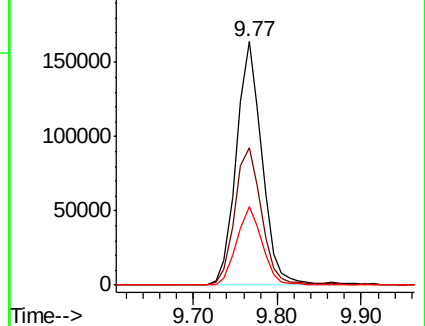
119 32.0 26.4 39.6

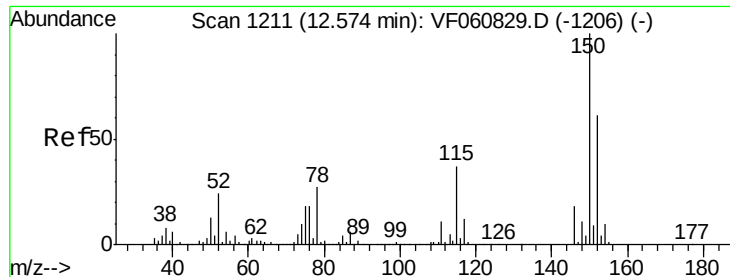


Abundance Ion 117.00 (116.70 to 117.70): VF060829.D (-924) (-)

Ion 82.00 (81.70 to 82.70): VF060829.D (-924) (-)

Ion 119.00 (118.70 to 119.70): VF060829.D (-924) (-)

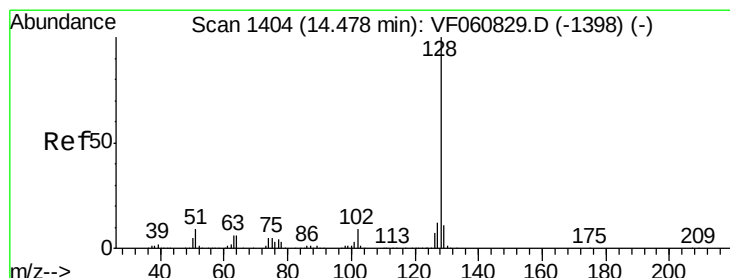
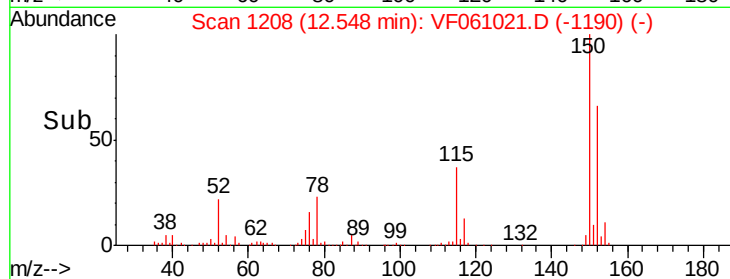
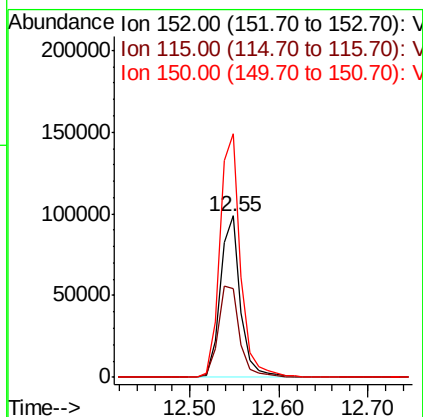
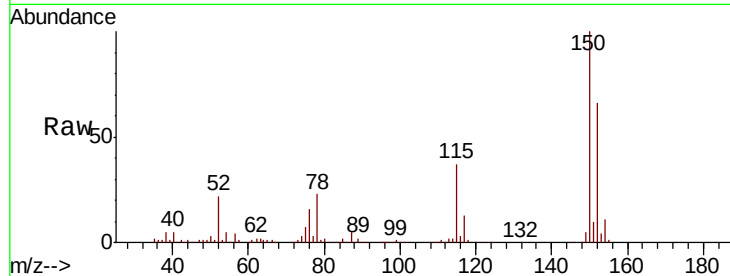




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.03 min
 Lab File: VF061021.D
 Acq: 14 Dec 2018 15:44

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:152 Resp: 156621
 Ion Ratio Lower Upper
 152 100
 115 55.2 30.1 90.5
 150 151.0 0.0 327.6



#95
 Naphthalene
 Concen: Below Cal
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.03 min
 Lab File: VF061021.D
 Acq: 14 Dec 2018 15:44

Tgt Ion:128 Resp: 2013
 Ion Ratio Lower Upper
 128 100
 127 12.2 9.9 14.9
 129 0.0 9.1 13.7#

