

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121018\
 Data File : VF060966.D
 Acq On : 10 Dec 2018 21:13
 Operator : VA/AP
 Sample : J6214-45
 Misc : 4.18g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 11 04:59:21 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	232750	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	411854	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	312709	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	133314	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	129696	47.30	ug/l	-0.04
Spiked Amount			Recovery	=	94.60%	
35) Dibromofluoromethane	4.10	113	137960	42.22	ug/l	-0.05
Spiked Amount			Recovery	=	84.44%	
50) Toluene-d8	7.54	98	312917	32.51	ug/l	-0.05
Spiked Amount			Recovery	=	65.02%	
62) 4-Bromofluorobenzene	11.41	95	135117	30.89	ug/l	-0.03
Spiked Amount			Recovery	=	61.78%	

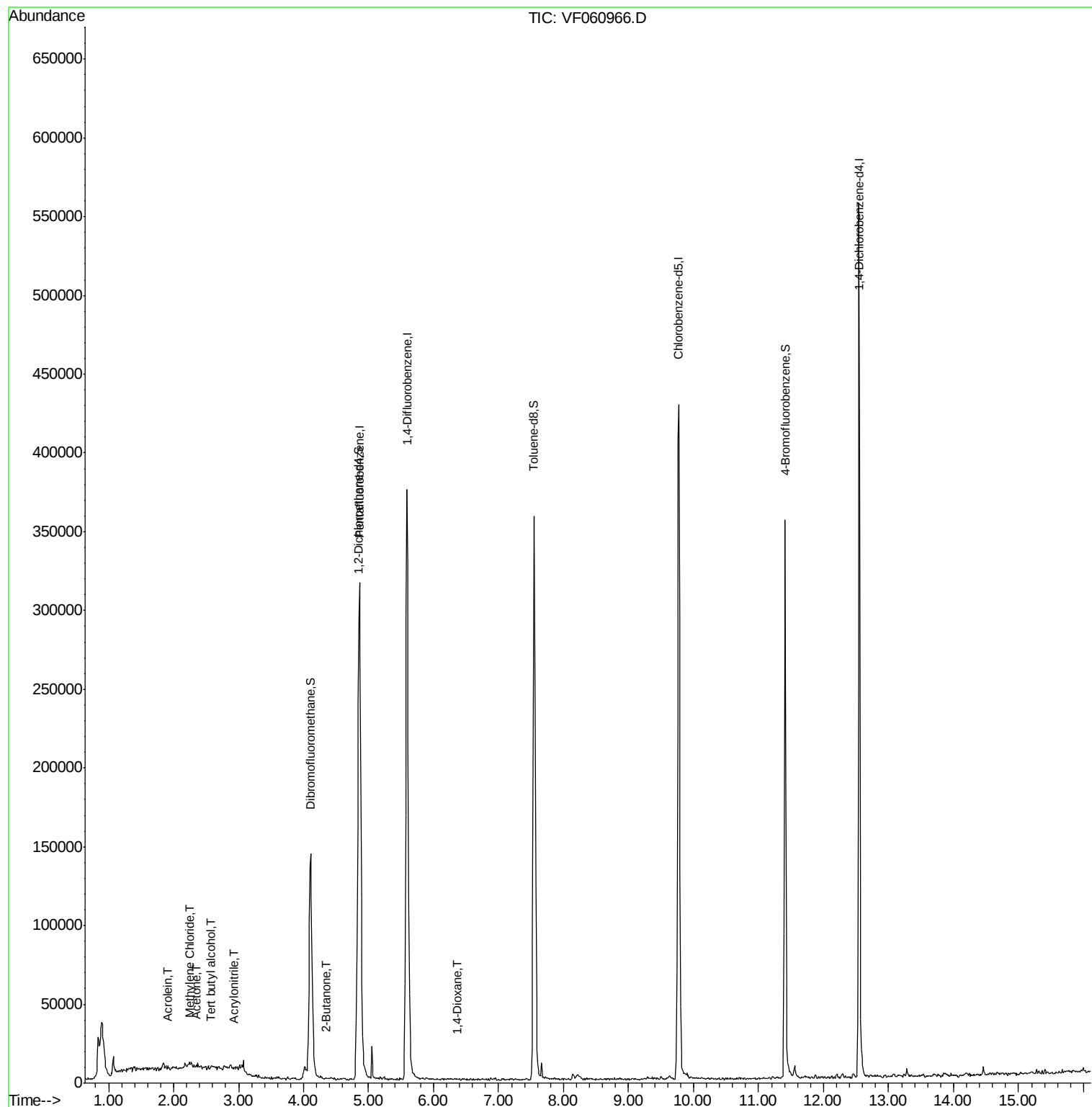
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	163	1.450	ug/l #	1
13) Acrolein	1.91	56	564	5.296	ug/l	94
15) Acrylonitrile	2.93	53	286	1.135	ug/l #	63
16) Acetone	2.35	43	1129	2.233	ug/l	94
18) Methyl Acetate	2.35	43	1295	Below Cal	#	61
20) Methylene Chloride	2.25	84	2999	1.617	ug/l #	88
25) 2-Butanone	4.34	43	970	1.109	ug/l #	57
41) Methacrylonitrile	4.73	41	586	Below Cal	#	23
43) Isopropyl Acetate	6.88	43	382	Below Cal	#	49
49) 1,4-Dioxane	6.37	88	79	6.424	ug/l #	10
95) Naphthalene	14.46	128	2499	Below Cal	#	95

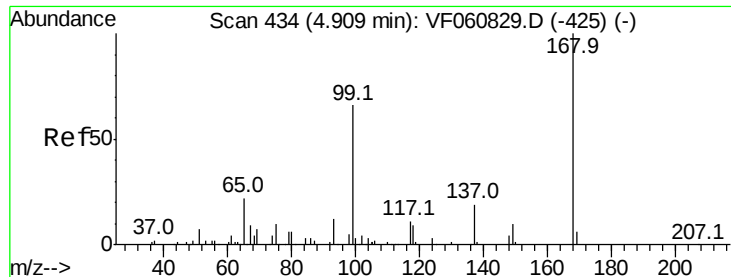
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121018\
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ClientSampleId :

Quant Time: Dec 11 04:59:21 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

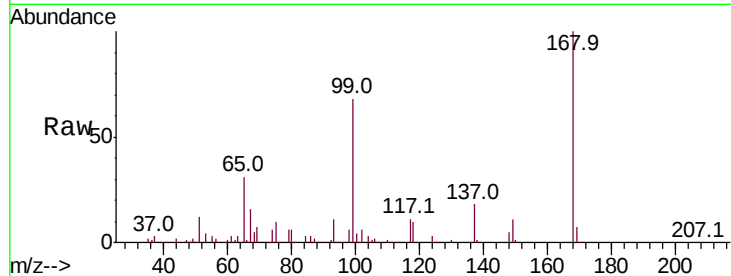




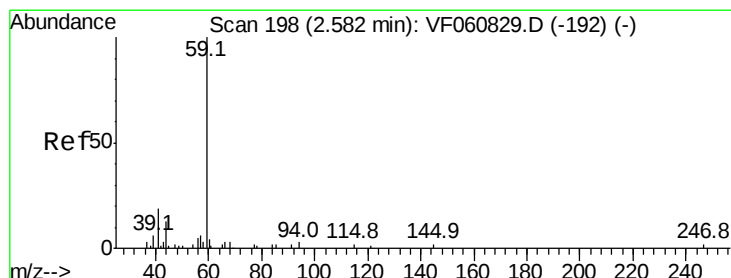
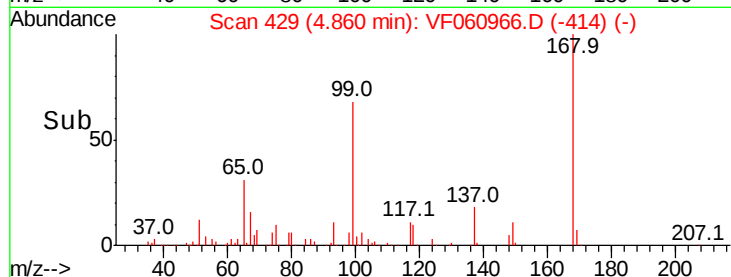
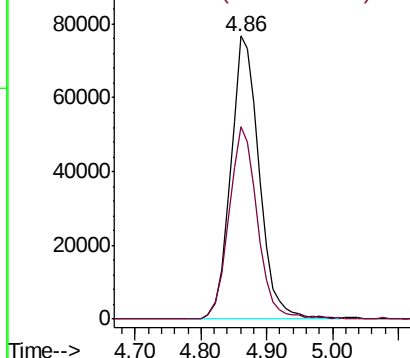
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.05 min
Lab File: VF060966.D
Acq: 10 Dec 2018 21:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 232750
Ion Ratio Lower Upper
168 100
99 68.0 52.6 79.0

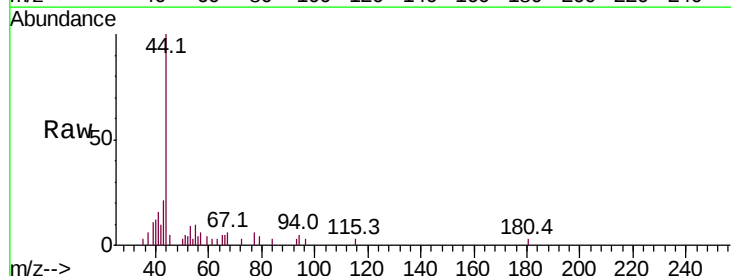


Abundance Ion 168.00 (167.70 to 168.70): VF0
Ion 99.00 (98.70 to 99.70): VF0

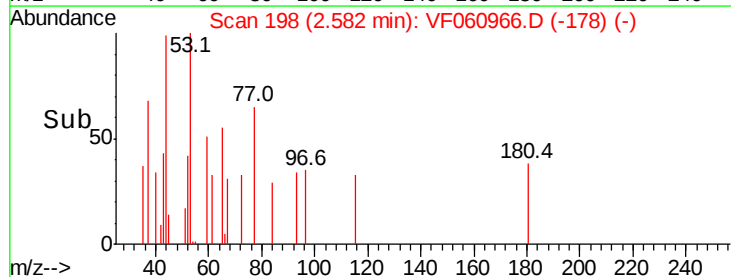
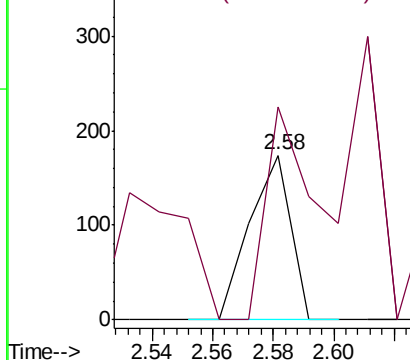


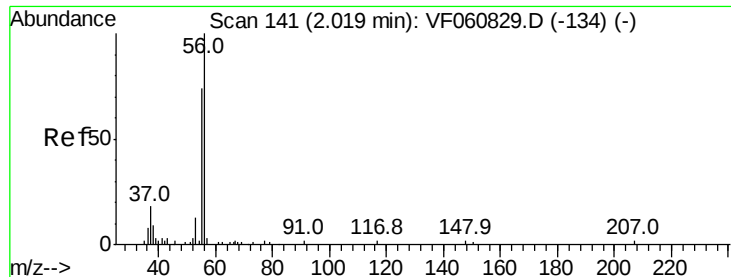
#11
Tert butyl alcohol
Concen: 1.450 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060966.D
Acq: 10 Dec 2018 21:13

Tgt Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 129.3 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 5.296 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.11 min

Lab File: VF060966.D

Acq: 10 Dec 2018 21:13

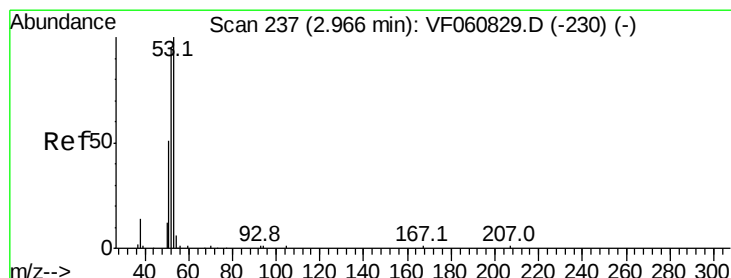
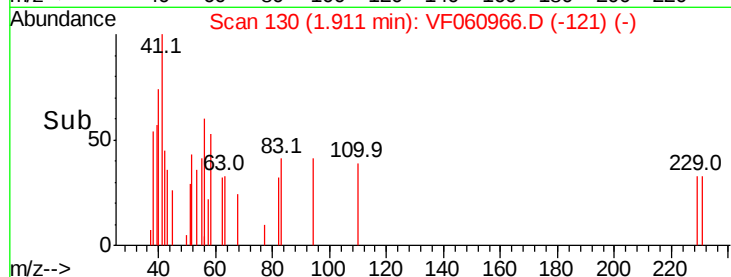
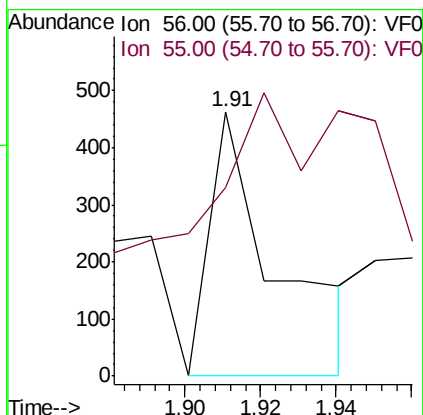
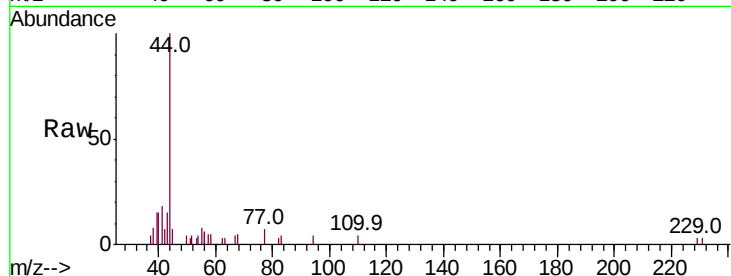
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 564

Ion Ratio Lower Upper

56 100

55 71.5 61.2 91.8



#15

Acrylonitrile

Concen: 1.135 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF060966.D

Acq: 10 Dec 2018 21:13

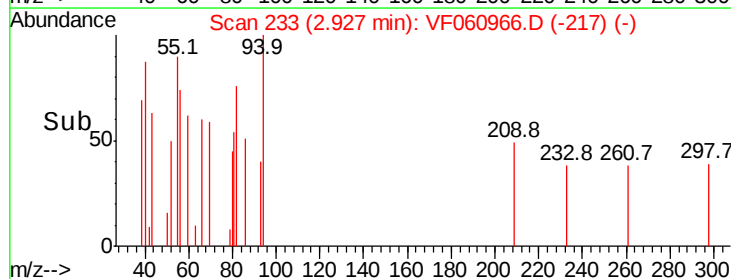
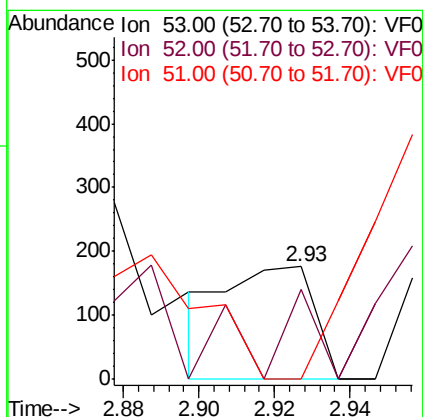
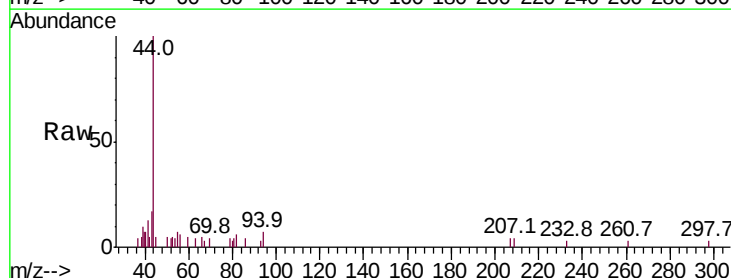
Tgt Ion: 53 Resp: 286

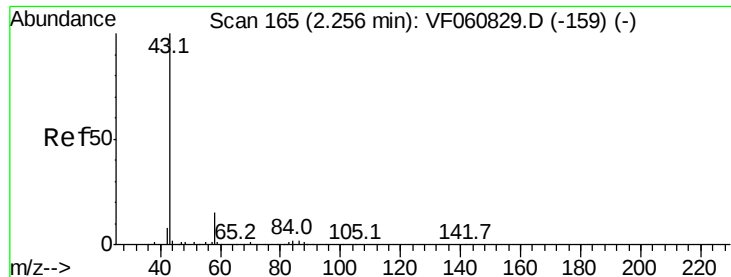
Ion Ratio Lower Upper

53 100

52 79.0 76.5 114.7

51 0.0 40.7 61.1#





#16

Acetone

Concen: 2.233 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.10 min

Lab File: VF060966.D

Acq: 10 Dec 2018 21:13

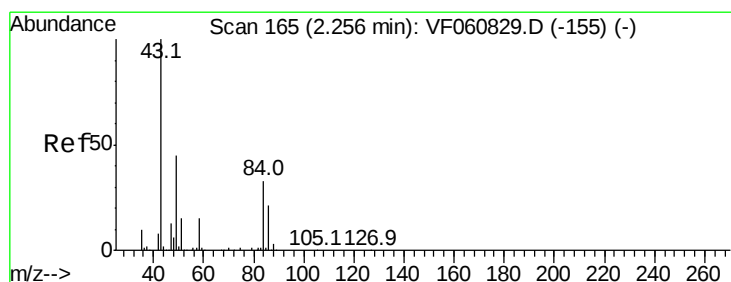
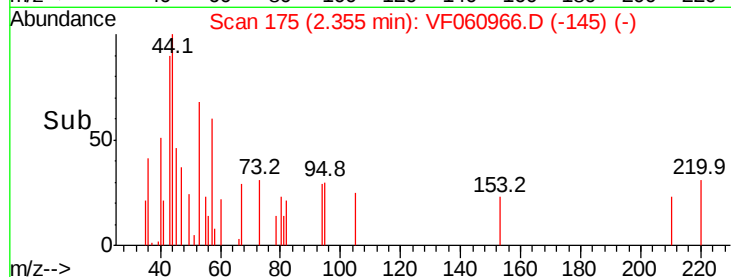
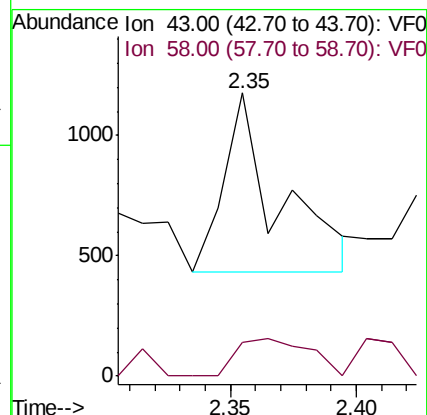
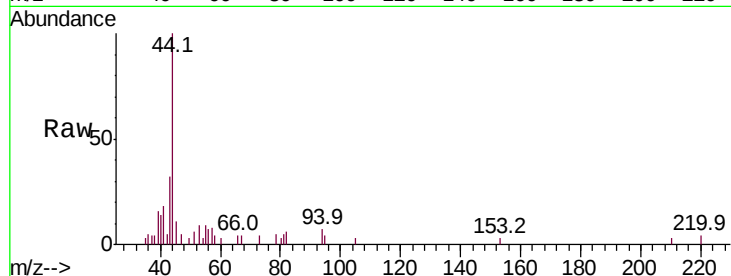
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1129

Ion Ratio Lower Upper

43 100

58 11.8 11.4 17.2



#20

Methylene Chloride

Concen: 1.617 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060966.D

Acq: 10 Dec 2018 21:13

Tgt Ion: 84 Resp: 2999

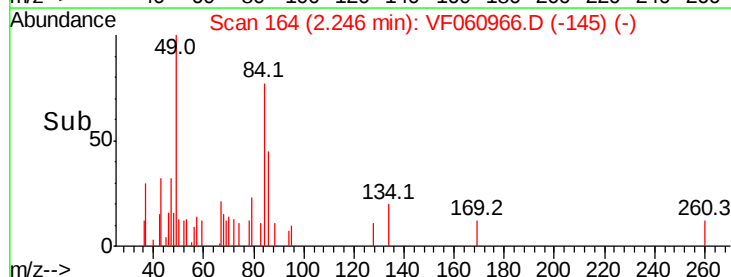
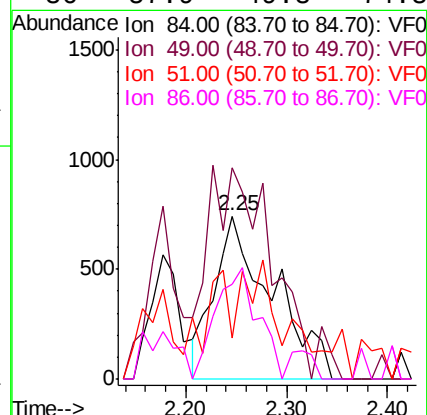
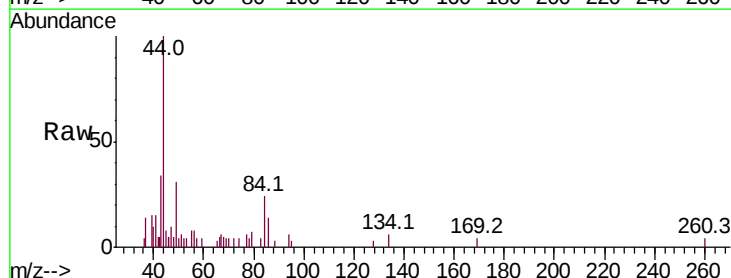
Ion Ratio Lower Upper

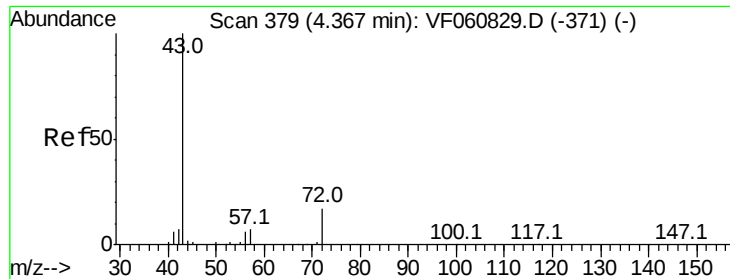
84 100

49 130.1 111.3 166.9

51 25.1 38.0 57.0#

86 57.9 49.8 74.8

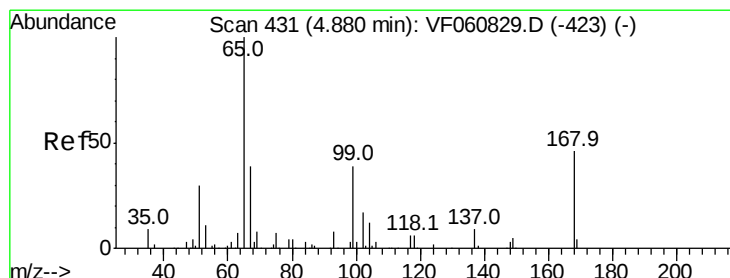
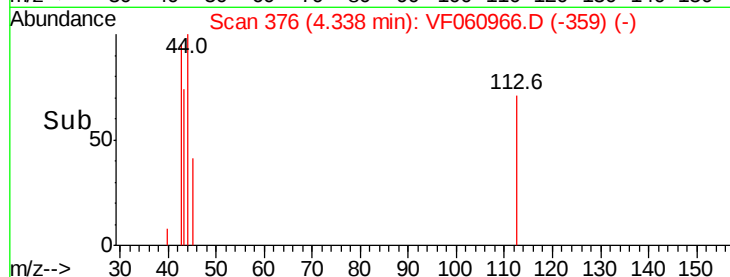
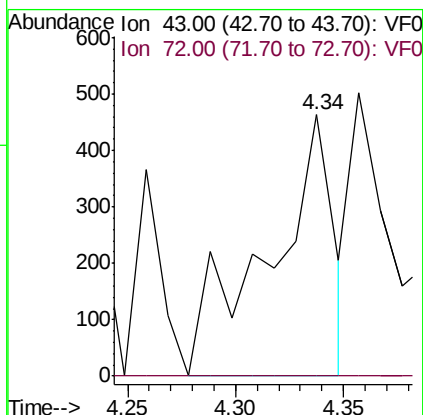
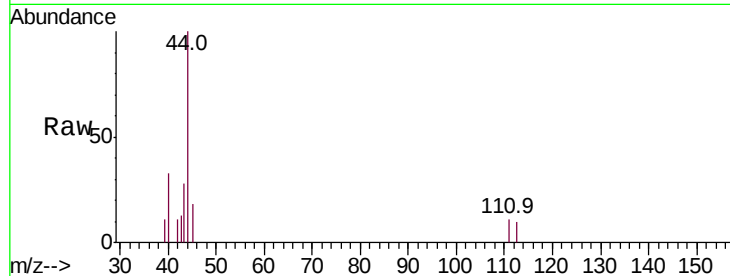




#25
2-Butanone
Concen: 1.109 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.03 min
Lab File: VF060966.D
Acq: 10 Dec 2018 21:13

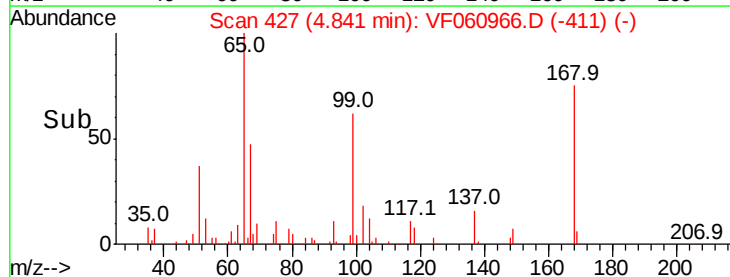
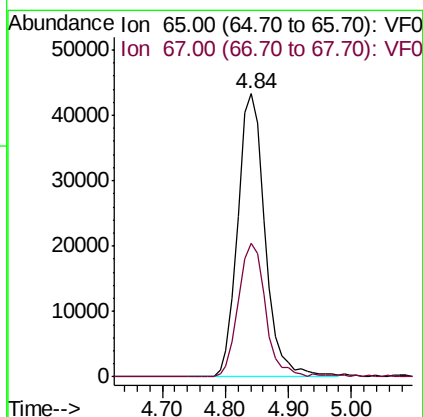
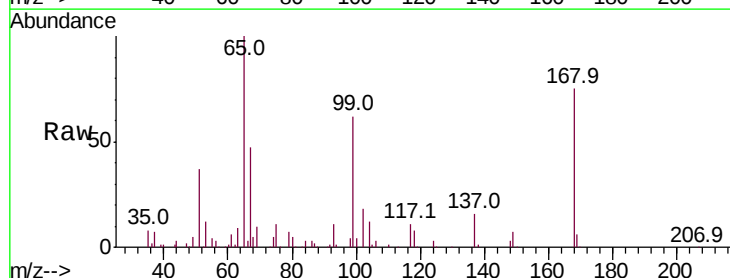
Instrument :
MSVOA_F
ClientSampleId :

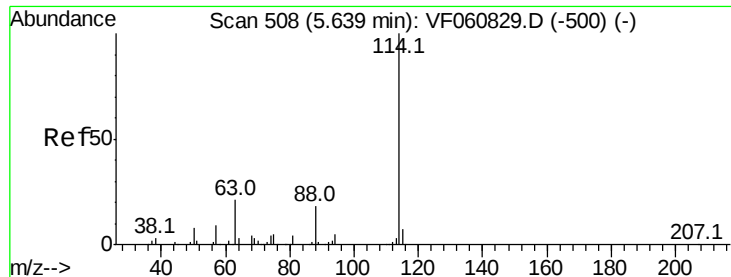
Tot Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



#33
1,2-Dichloroethane-d4
Concen: 47.302 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.04 min
Lab File: VF060966.D
Acq: 10 Dec 2018 21:13

Tgt Ion: 65 Resp: 129696
Ion Ratio Lower Upper
65 100
67 47.2 0.0 96.4

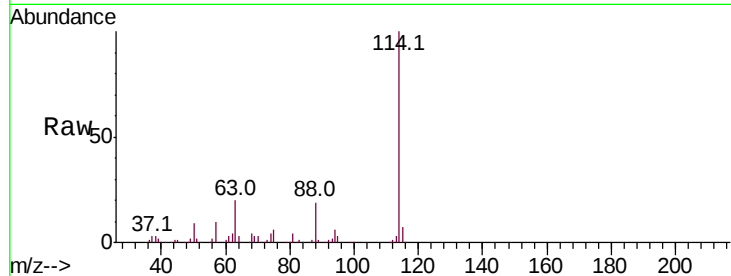




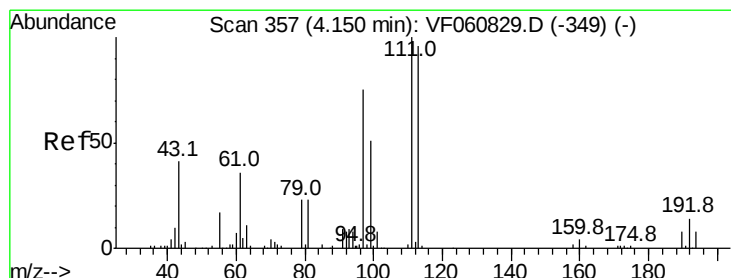
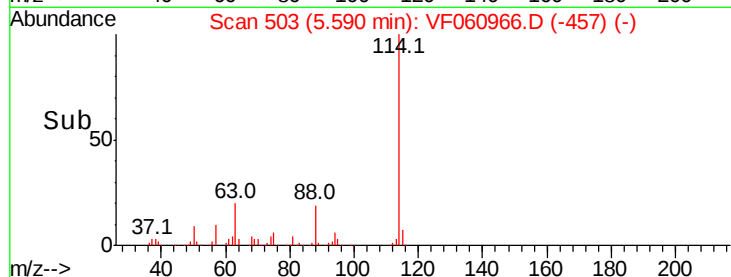
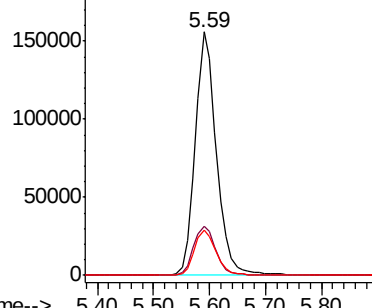
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.05 min
Lab File: VF060966.D
Acq: 10 Dec 2018 21:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.6
88	18.7	0.0	36.6

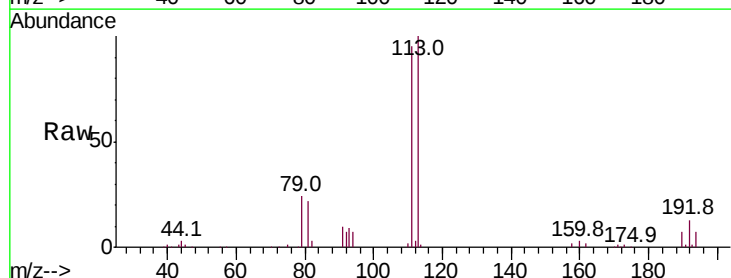


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

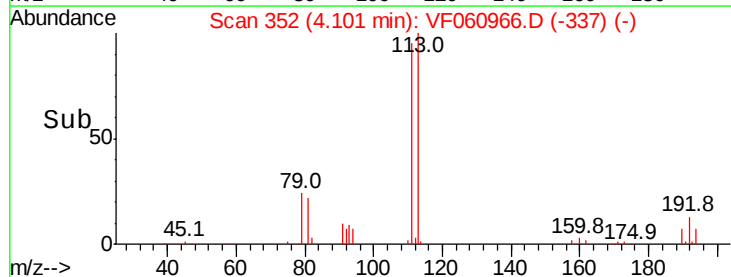
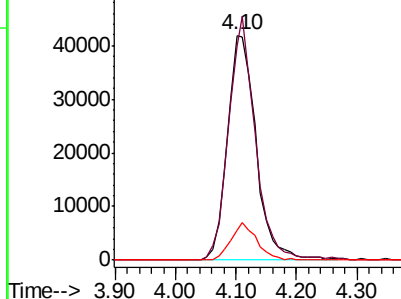


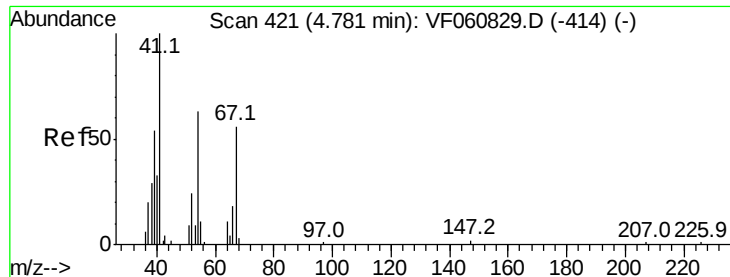
#35
Dibromofluoromethane
Concen: 42.224 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.05 min
Lab File: VF060966.D
Acq: 10 Dec 2018 21:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	95.4	83.0	124.6
192	13.6	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

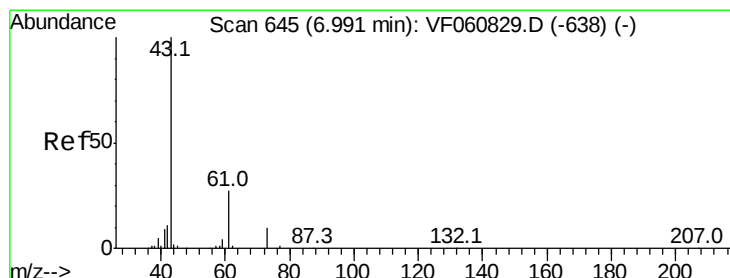
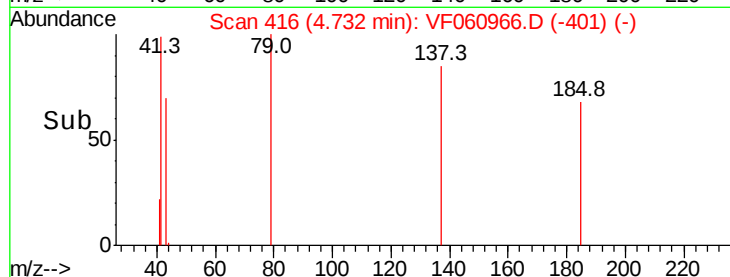
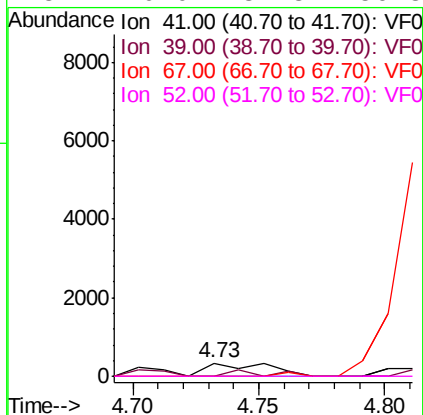
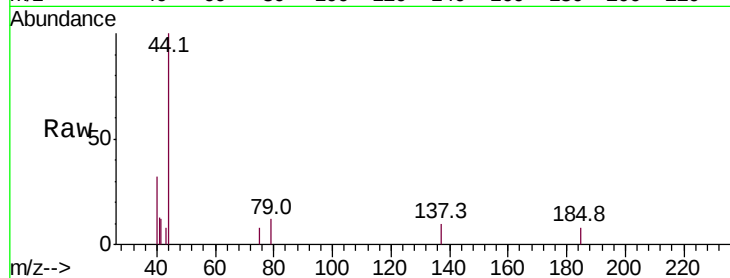




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.73 min Scan# 416
Delta R.T. -0.05 min
Lab File: VF060966.D
Acq: 10 Dec 2018 21:13

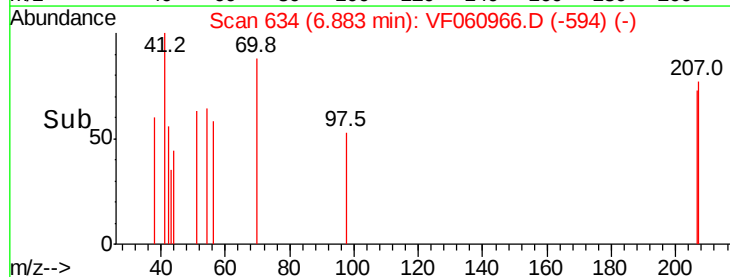
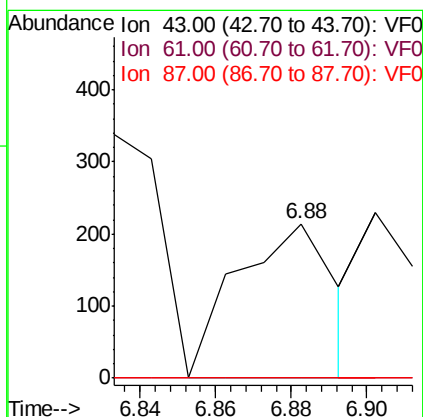
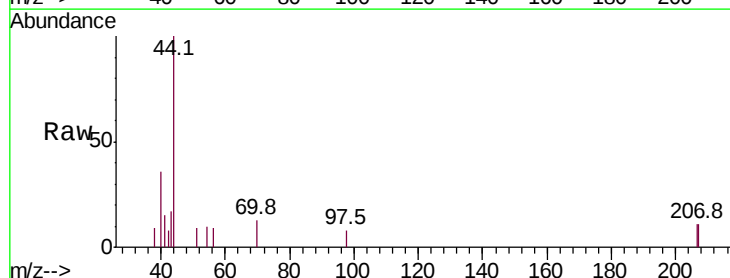
Instrument :
MSVOA_F
ClientSampleId :

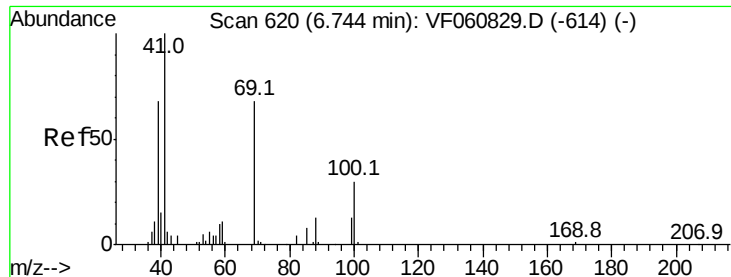
Tot Ion: 41 Resp: 586
Ion Ratio Lower Upper
41 100
39 0.0 53.0 79.6#
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.88 min Scan# 634
Delta R.T. -0.11 min
Lab File: VF060966.D
Acq: 10 Dec 2018 21:13

Tgt Ion: 43 Resp: 382
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: 6.424 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.37 min

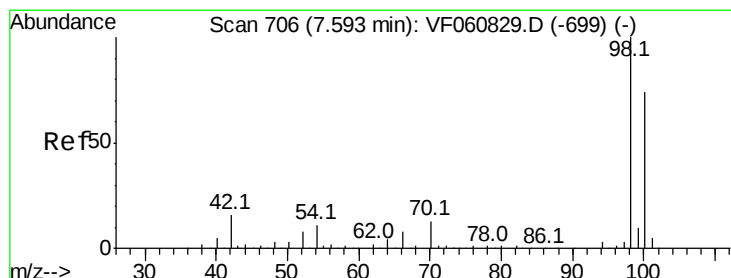
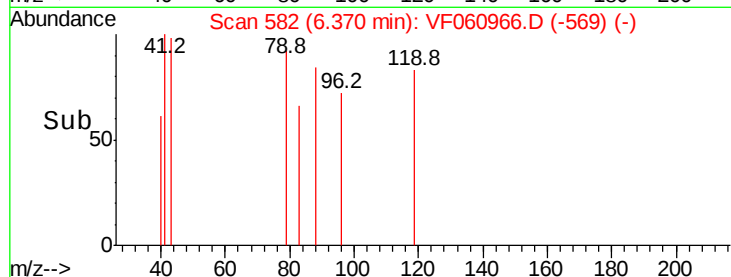
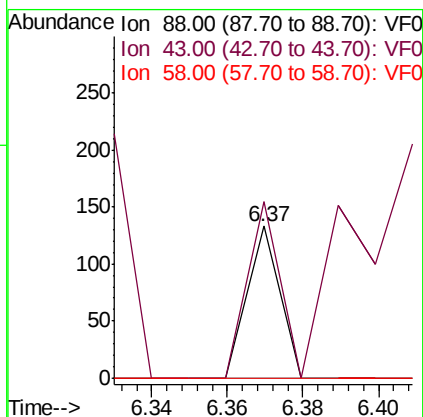
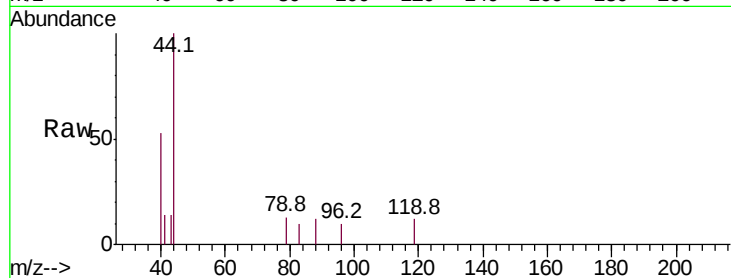
Lab File: VF060966.D

Acq: 10 Dec 2018 21:13

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 79

Ion	Ratio	Lower	Upper
88	100		
43	116.5	42.0	63.0#
58	0.0	61.8	92.8#



#50

Toluene-d8

Concen: 32.512 ug/l

RT: 7.54 min Scan# 701

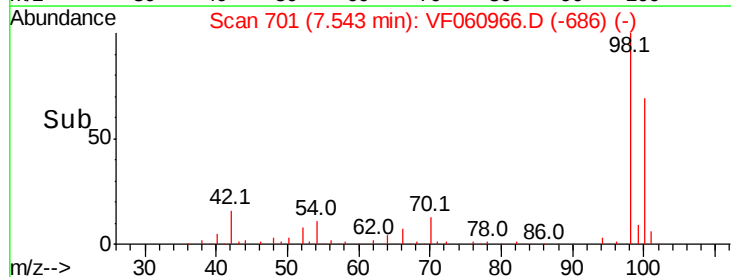
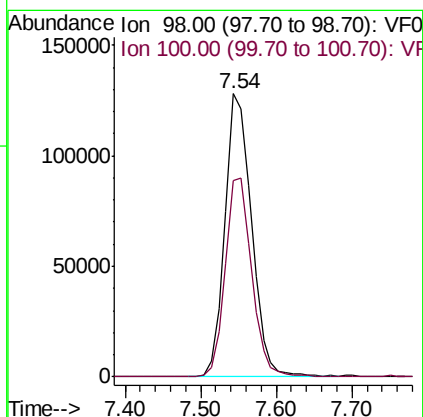
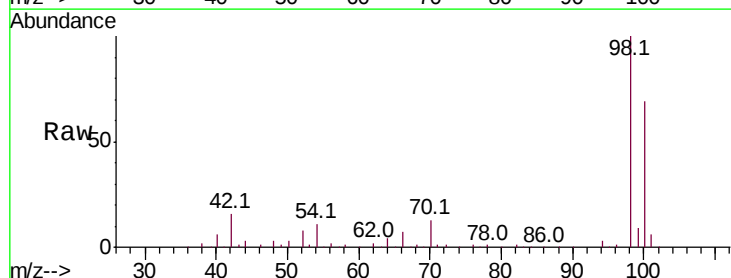
Delta R.T. -0.05 min

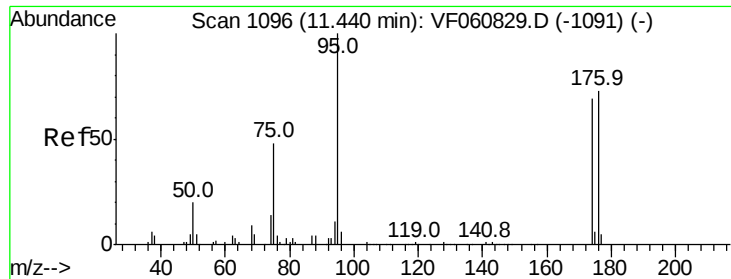
Lab File: VF060966.D

Acq: 10 Dec 2018 21:13

Tgt Ion: 98 Resp: 312917

Ion	Ratio	Lower	Upper
98	100		
100	69.5	59.3	88.9





#62

4-Bromofluorobenzene

Concen: 30.889 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060966.D

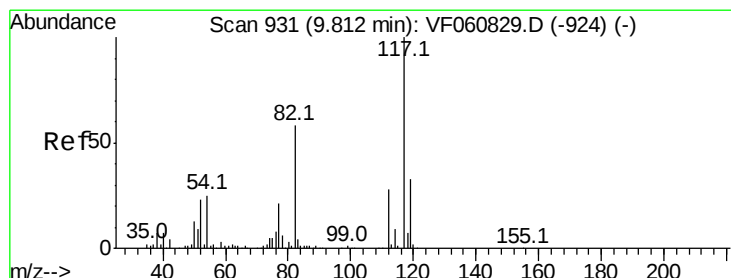
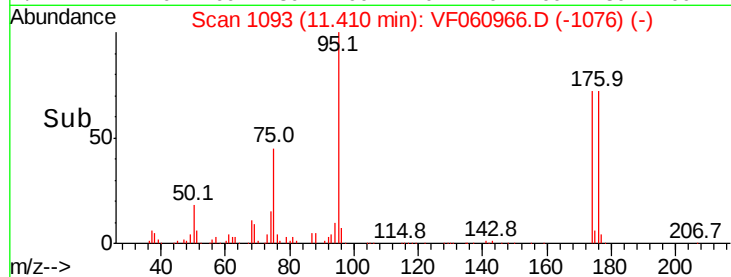
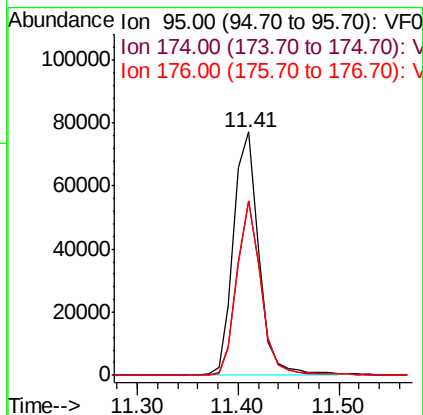
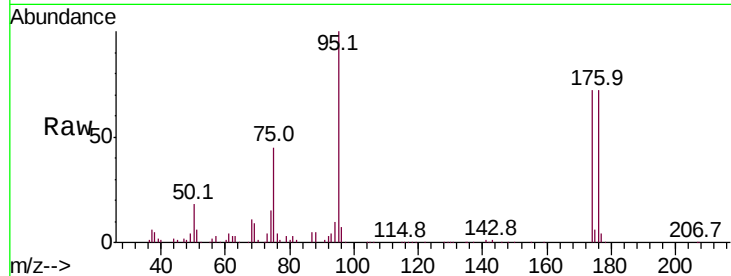
Acq: 10 Dec 2018 21:13

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	95	Resp:	135117
Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	138.2
176	71.9	0.0	146.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

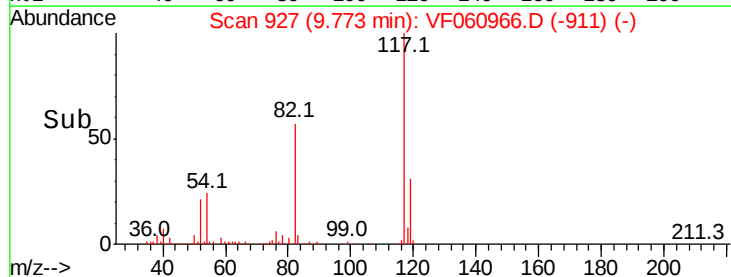
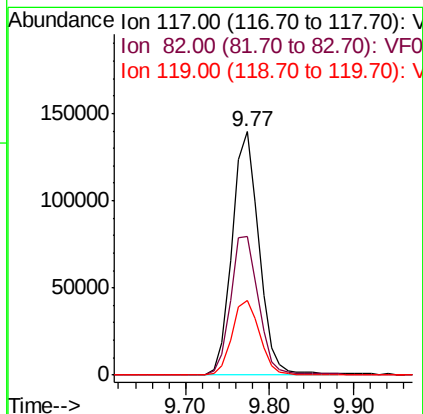
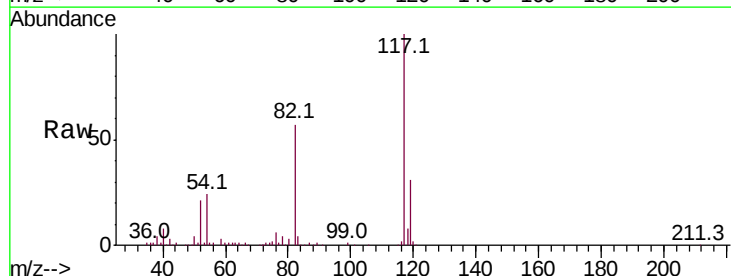
RT: 9.77 min Scan# 927

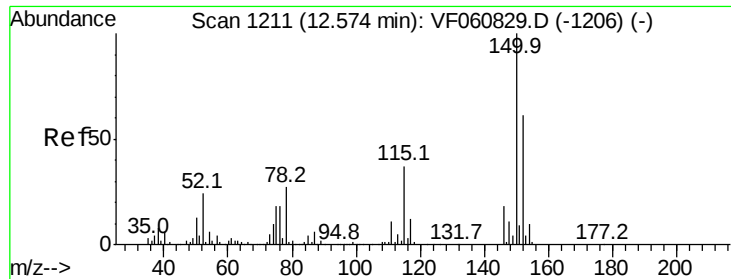
Delta R.T. -0.04 min

Lab File: VF060966.D

Acq: 10 Dec 2018 21:13

Tgt Ion:	117	Resp:	312709
Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.6	69.8
119	30.7	26.4	39.6



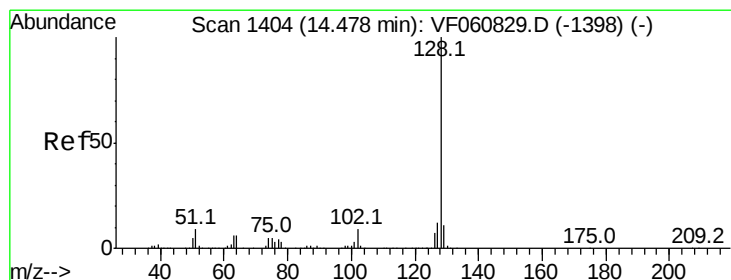
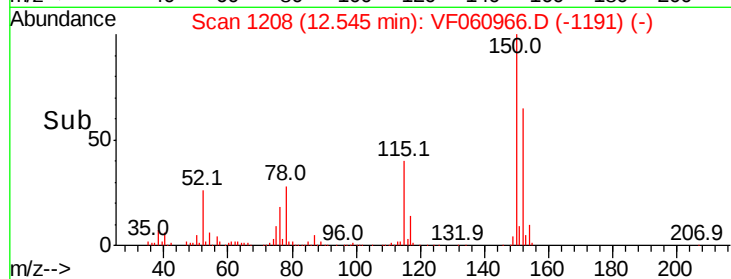
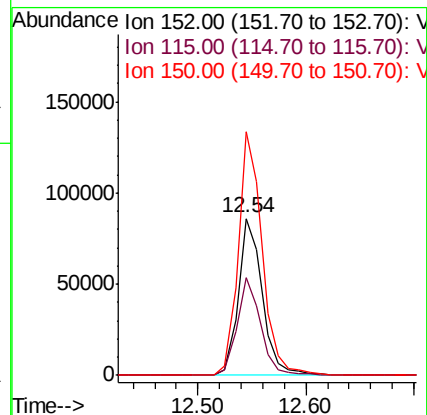
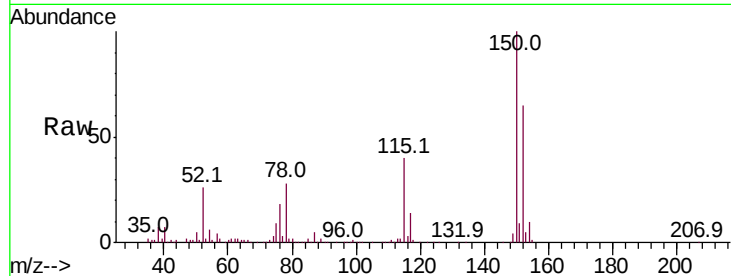


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060966.D
Acq: 10 Dec 2018 21:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 133314
Ion Ratio Lower Upper
152 100
115 61.9 30.1 90.5
150 155.0 0.0 327.6



#95

Naphthalene
Concen: Below Cal
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060966.D
Acq: 10 Dec 2018 21:13

Tgt Ion:128 Resp: 2499
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 15.2 9.1 13.7#

