

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112718\
 Data File : VF060845.D
 Acq On : 27 Nov 2018 18:22
 Operator : VA/AP
 Sample : J6083-03RE
 Misc : 5.29g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-2RE

Quant Time: Nov 28 03:10:39 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	4.90	168	190615	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.63	114	335610	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.81	117	313324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	170363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.88	65	130540	58.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.26%	
35) Dibromofluoromethane	4.15	113	46710	17.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.08%	
50) Toluene-d8	7.58	98	360686	45.99	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	11.44	95	179114	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

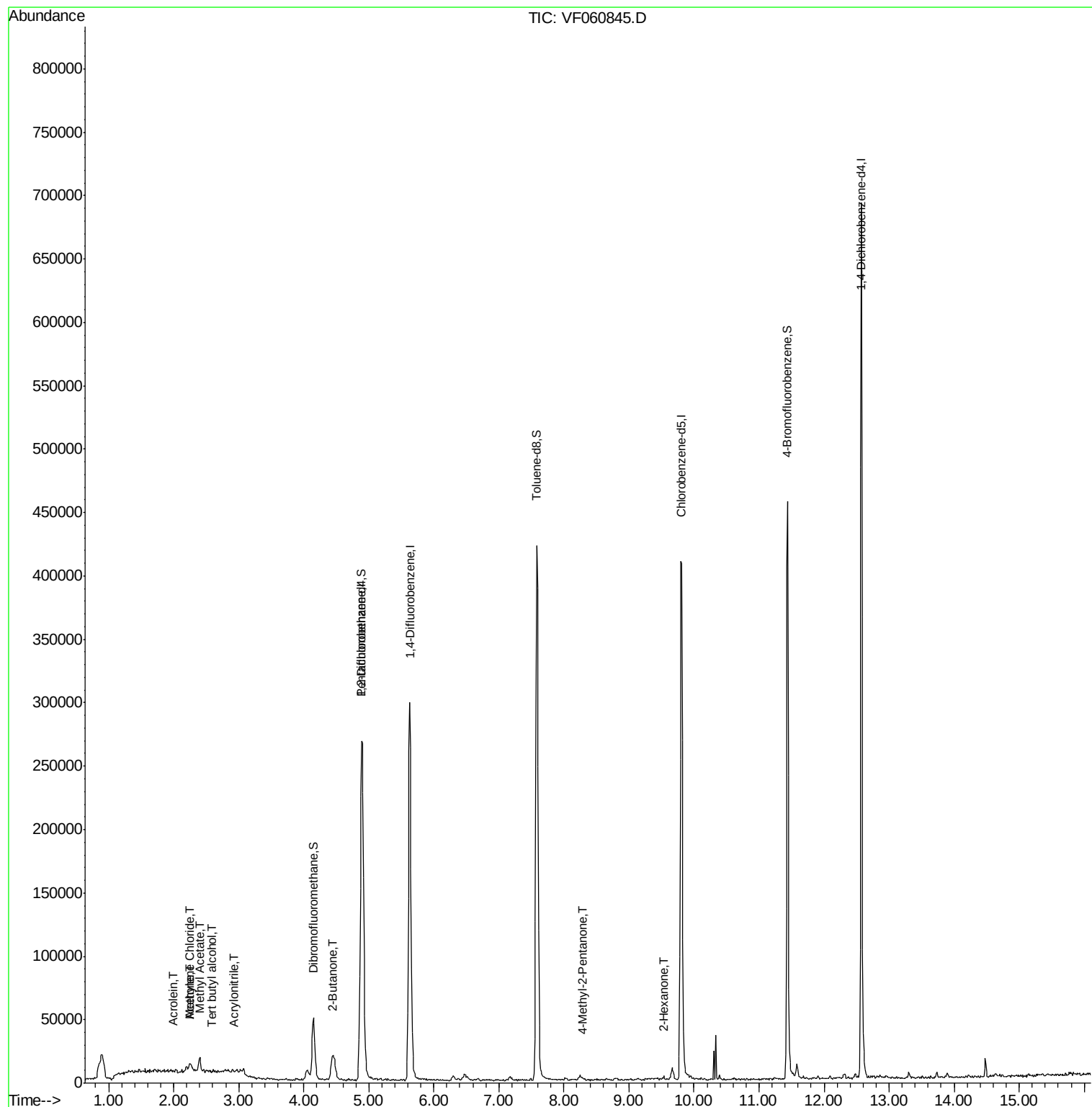
					Qvalue	
11) Tert butyl alcohol	2.59	59	128	1.391	ug/l #	1
13) Acrolein	1.99	56	264	3.027	ug/l #	75
15) Acrylonitrile	2.94	53	269	1.304	ug/l #	34
16) Acetone	2.26	43	5028	12.142	ug/l	100
18) Methyl Acetate	2.40	43	4858	5.524	ug/l #	61
20) Methylene Chloride	2.26	84	3285	2.162	ug/l #	84
25) 2-Butanone	4.45	43	1299	1.814	ug/l	94
41) Methacrylonitrile	4.75	41	377	Below Cal	#	47
43) Isopropyl Acetate	6.99	43	518	Below Cal	#	49
51) 4-Methyl-2-Pentanone	8.30	43	2405	1.724	ug/l	99
59) 2-Hexanone	9.54	43	1509	1.542	ug/l	74
95) Naphthalene	14.48	128	8538	Below Cal	#	95

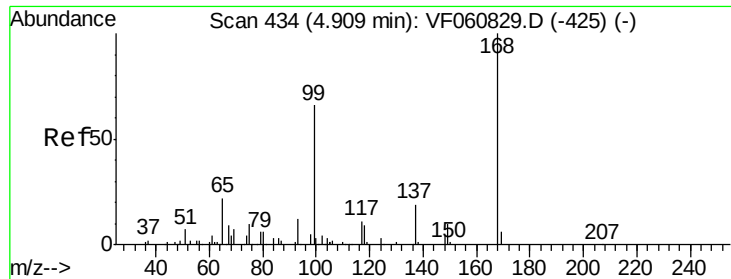
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060845.D

Acq: 27 Nov 2018 18:22

Instrument :

MSVOA_F

ClientSampleId :

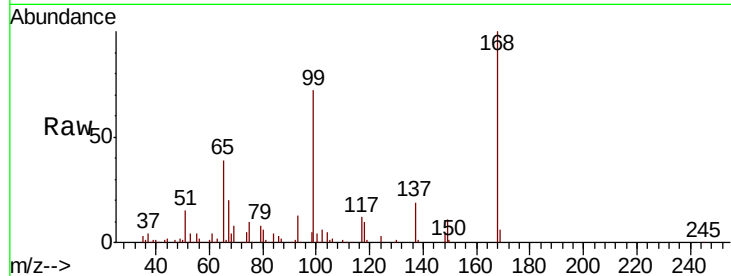
WC-2RE

Tot Ion:168 Resp: 190615

Ion Ratio Lower Upper

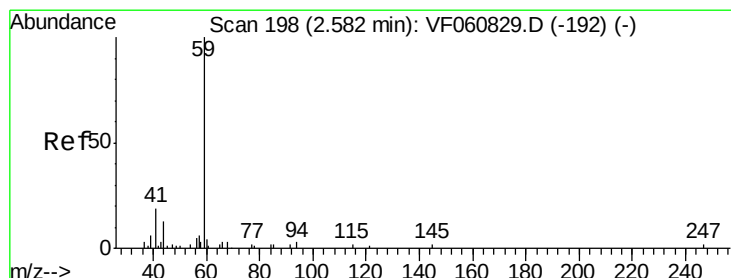
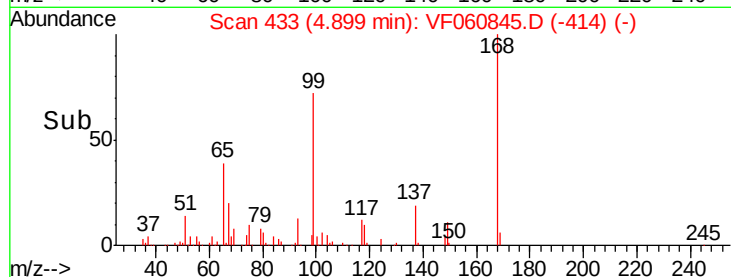
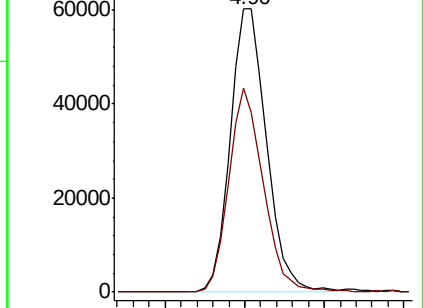
168 100

99 72.1 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: 1.391 ug/l

RT: 2.59 min Scan# 199

Delta R.T. 0.01 min

Lab File: VF060845.D

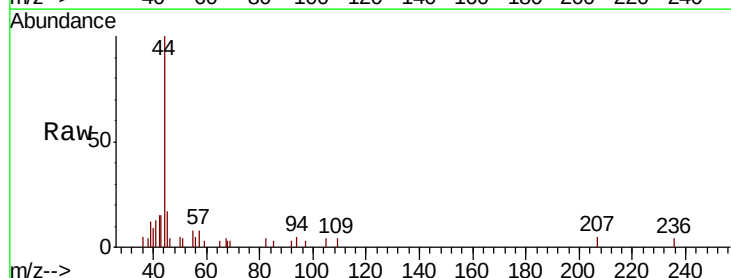
Acq: 27 Nov 2018 18:22

Tgt Ion: 59 Resp: 128

Ion Ratio Lower Upper

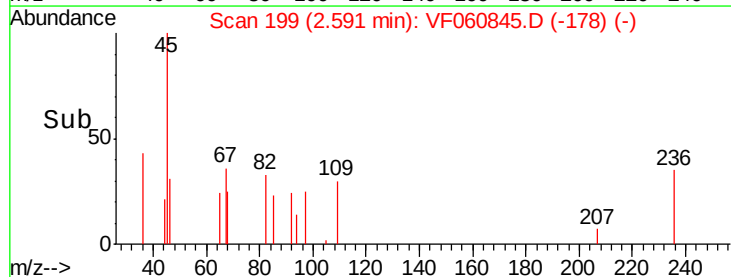
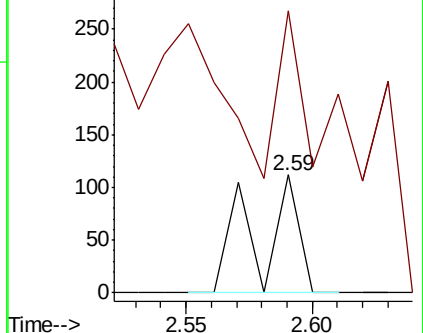
59 100

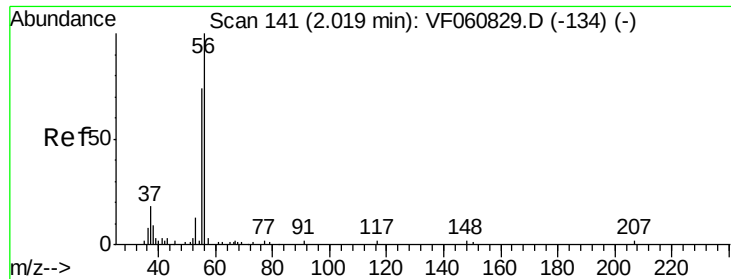
57 239.3 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 3.027 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF060845.D

Acq: 27 Nov 2018 18:22

Instrument :

MSVOA_F

ClientSampleId :

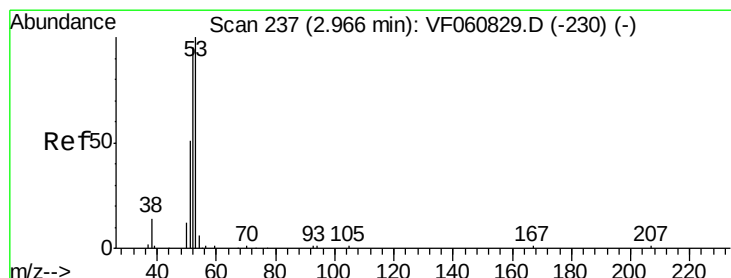
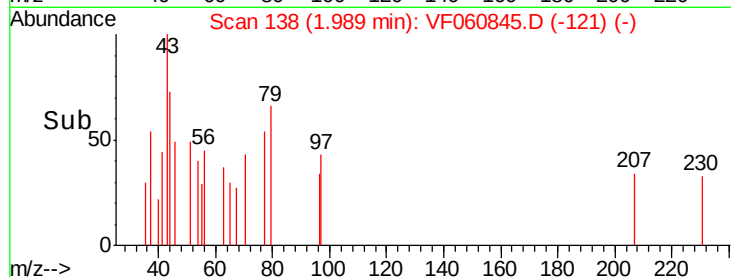
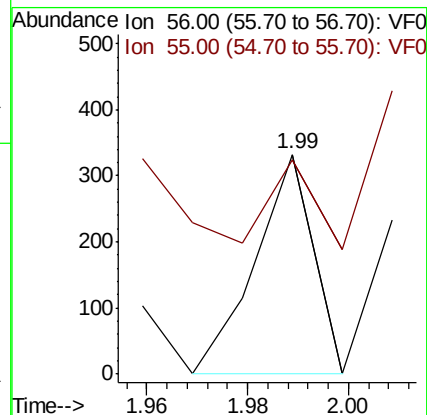
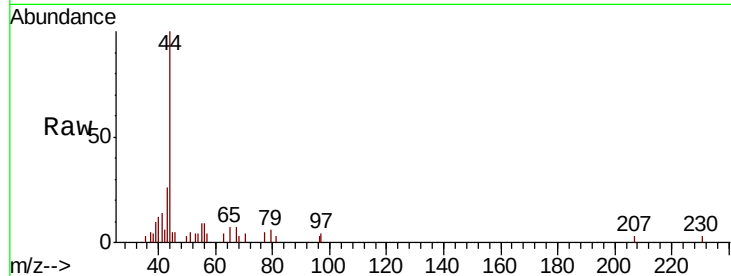
WC-2RE

Tot Ion: 56 Resp: 264

Ion Ratio Lower Upper

56 100

55 97.9 61.2 91.8#



#15

Acrylonitrile

Concen: 1.304 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.03 min

Lab File: VF060845.D

Acq: 27 Nov 2018 18:22

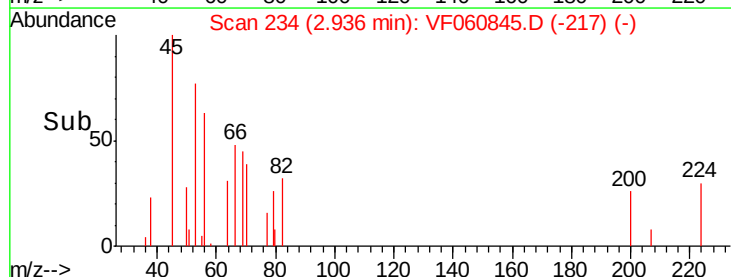
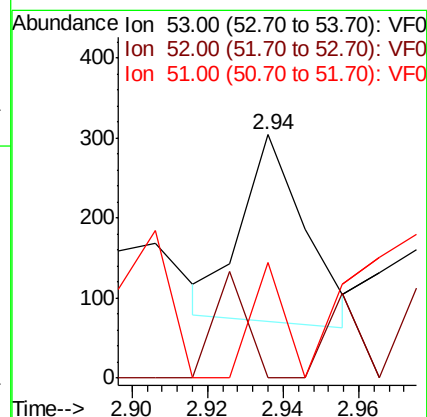
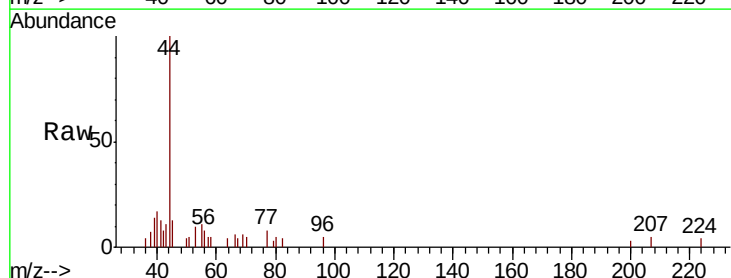
Tgt Ion: 53 Resp: 269

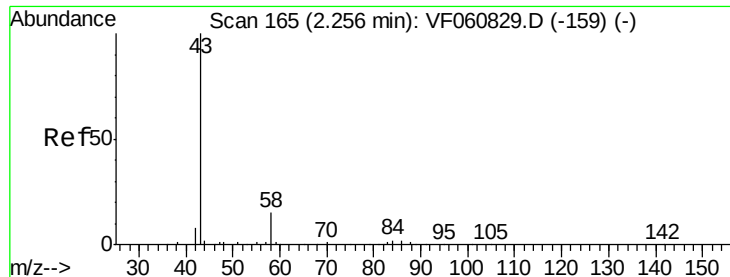
Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 47.7 40.7 61.1





#16

Acetone

Concen: 12.142 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060845.D

Acq: 27 Nov 2018 18:22

Instrument :

MSVOA_F

ClientSampleId :

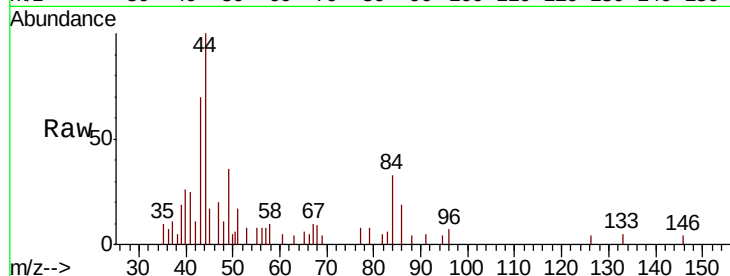
WC-2RE

Tot Ion: 43 Resp: 5028

Ion Ratio Lower Upper

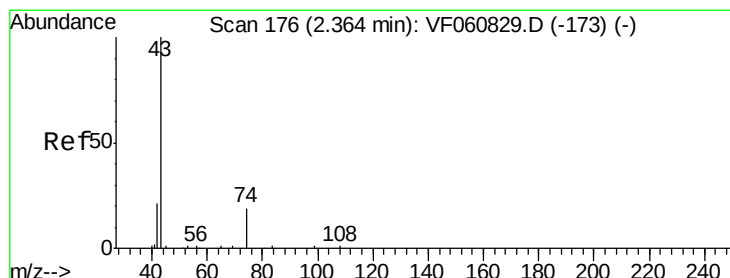
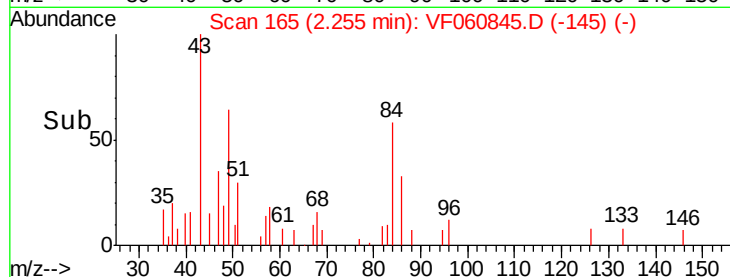
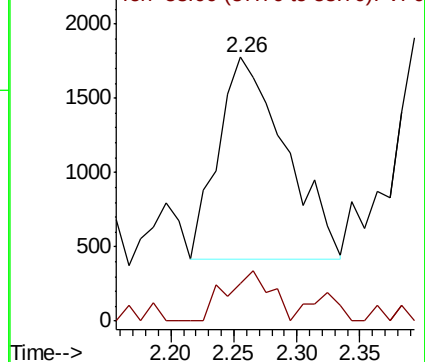
43 100

58 14.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 5.524 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.04 min

Lab File: VF060845.D

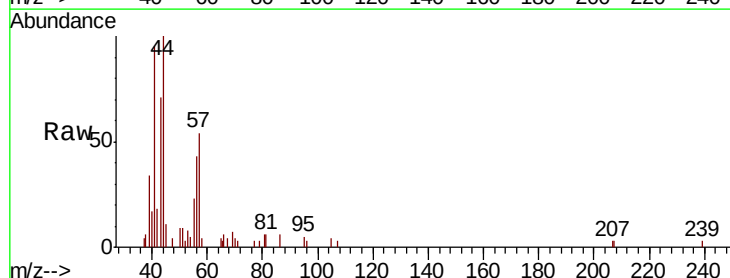
Acq: 27 Nov 2018 18:22

Tgt Ion: 43 Resp: 4858

Ion Ratio Lower Upper

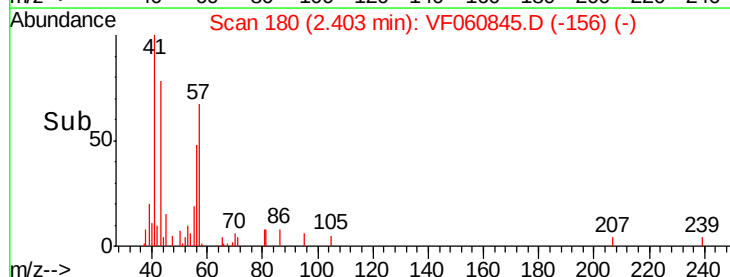
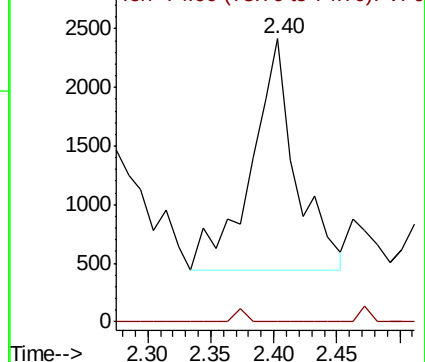
43 100

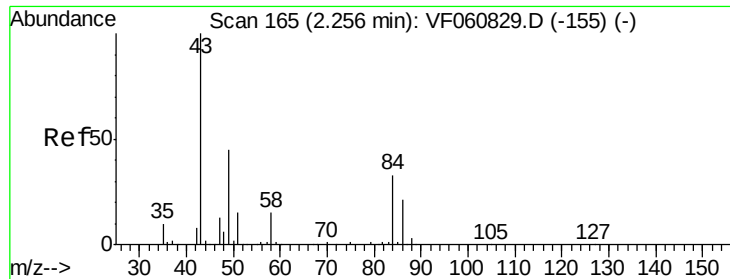
74 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

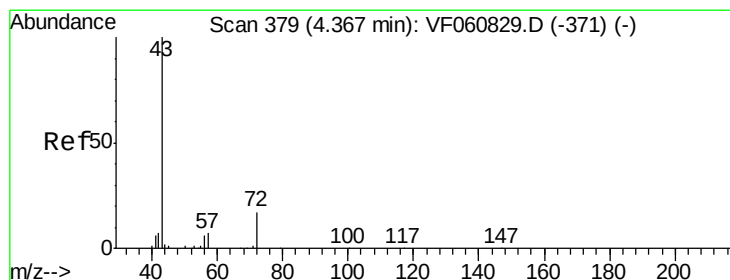
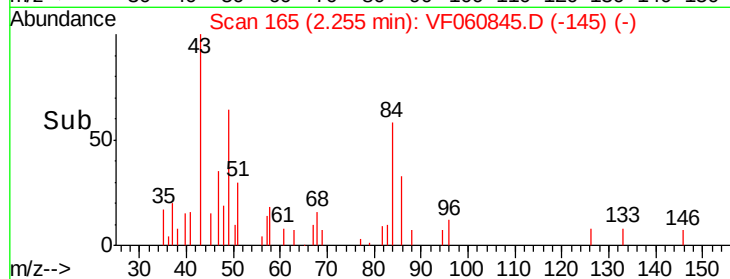
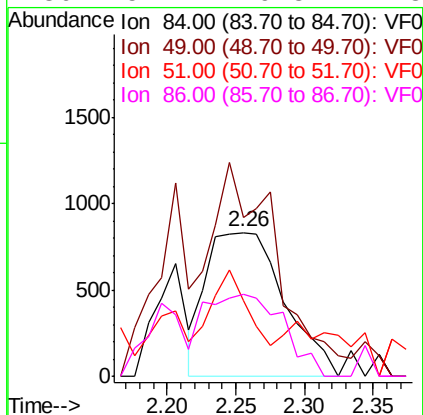
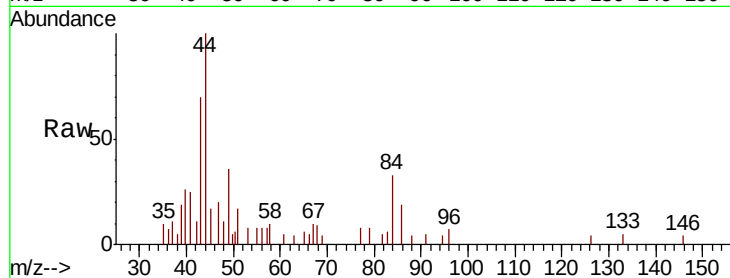




#20
Methvlene Chloride
Concen: 2.162 ug/l
RT: 2.26 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF060845.D
Acq: 27 Nov 2018 18:22

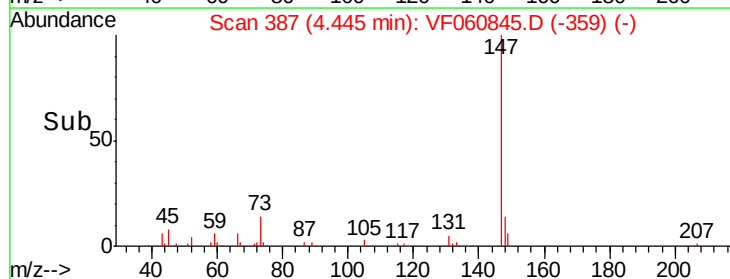
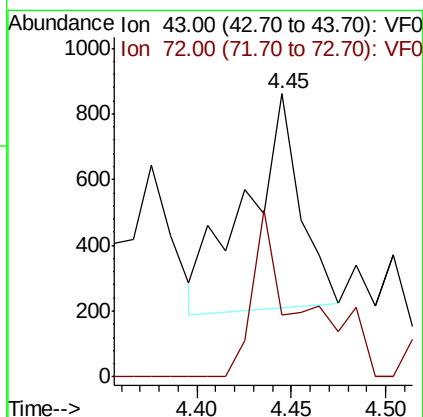
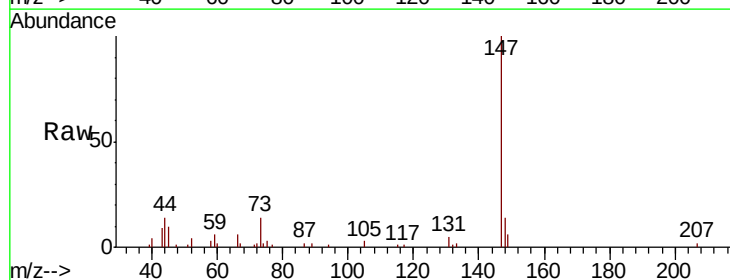
Instrument :
MSVOA_F
ClientSampleId :
WC-2RE

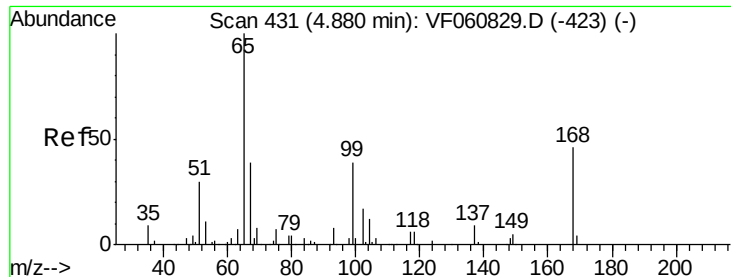
Tot Ion: 84 Resp: 3285
Ion Ratio Lower Upper
84 100
49 110.6 111.3 166.9#
51 52.6 38.0 57.0
86 57.4 49.8 74.8



#25
2-Butanone
Concen: 1.814 ug/l
RT: 4.45 min Scan# 387
Delta R.T. 0.08 min
Lab File: VF060845.D
Acq: 27 Nov 2018 18:22

Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
72 21.8 15.4 23.2

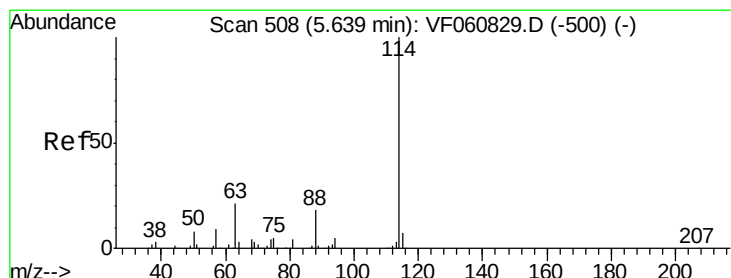
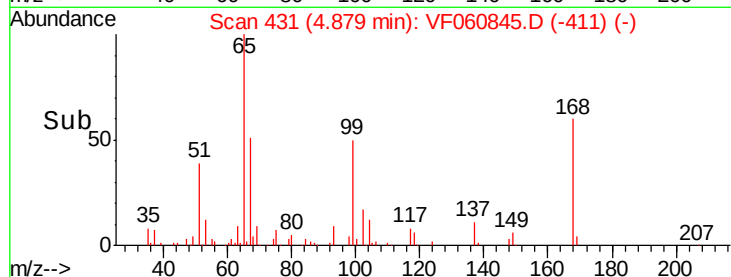
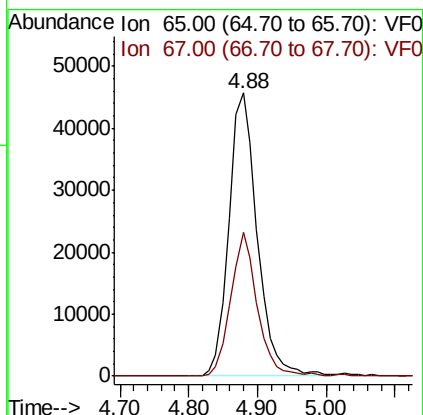
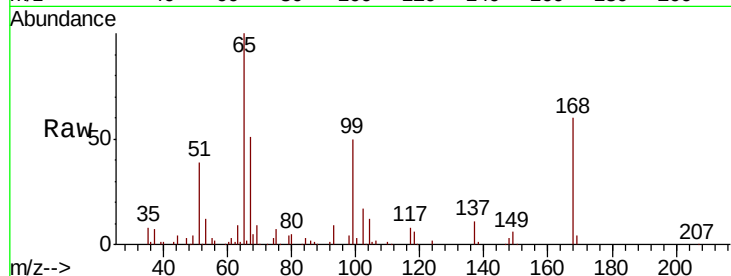




#33
 1,2-Dichloroethane-d4
 Concen: 58.134 ug/l
 RT: 4.88 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VF060845.D
 Acq: 27 Nov 2018 18:22

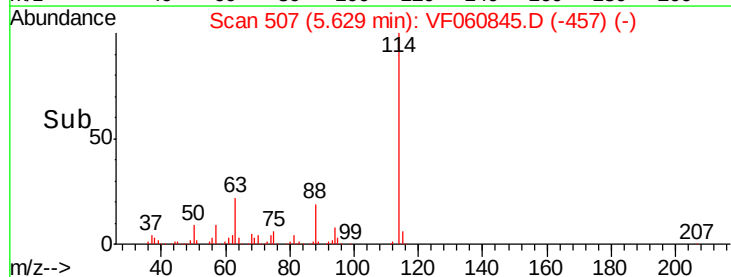
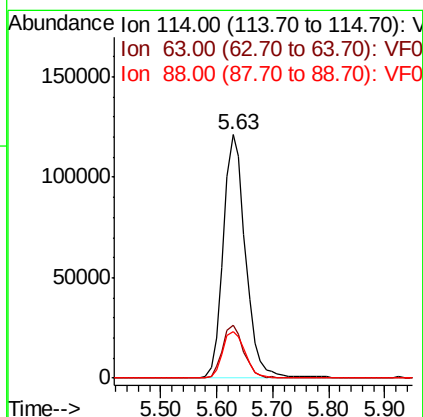
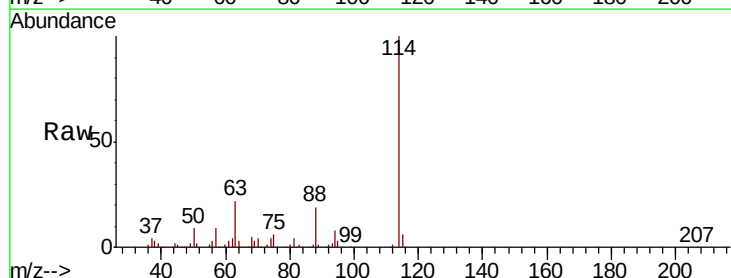
Instrument :
 MSVOA_F
 ClientSampleId :
 WC-2RE

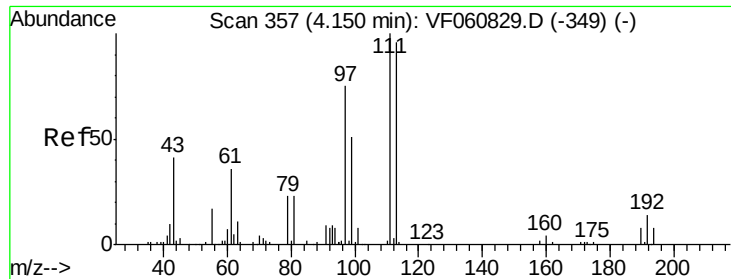
Tot Ion: 65 Resp: 130540
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VF060845.D
 Acq: 27 Nov 2018 18:22

Tgt Ion: 114 Resp: 335610
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 41.6
 88 19.1 0.0 36.6

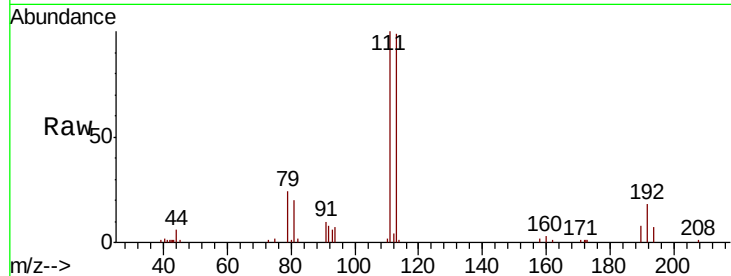




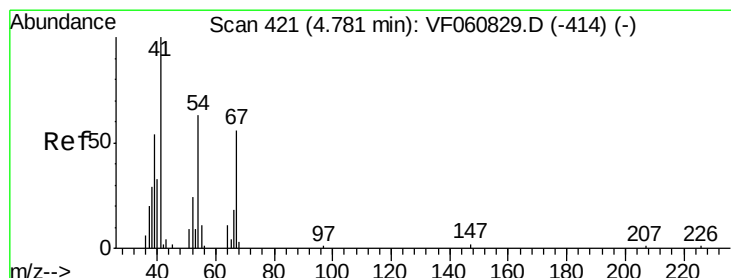
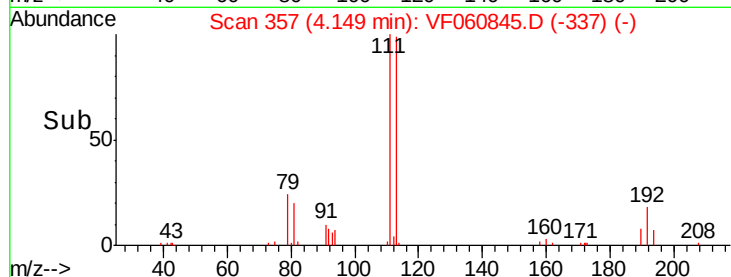
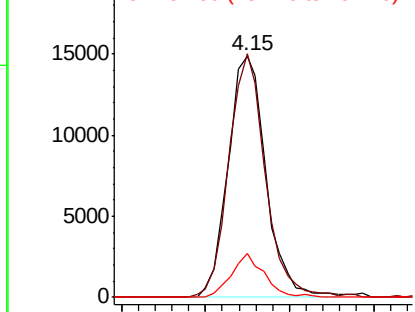
#35
 Dibromofluoromethane
 Concen: 17.544 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VF060845.D
 Acq: 27 Nov 2018 18:22

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-2RE

Tot Ion:113 Resp: 46710
 Ion Ratio Lower Upper
 113 100
 111 100.7 83.0 124.6
 192 18.0 12.3 18.5

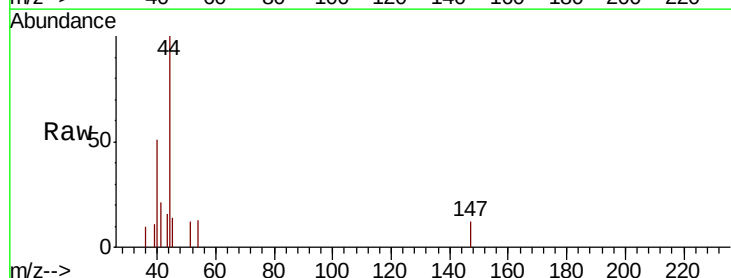


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

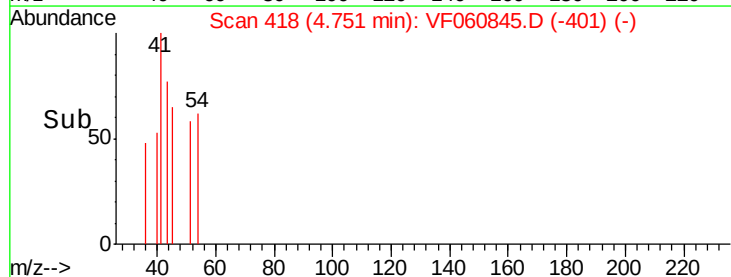
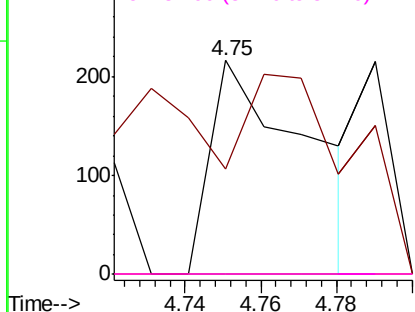


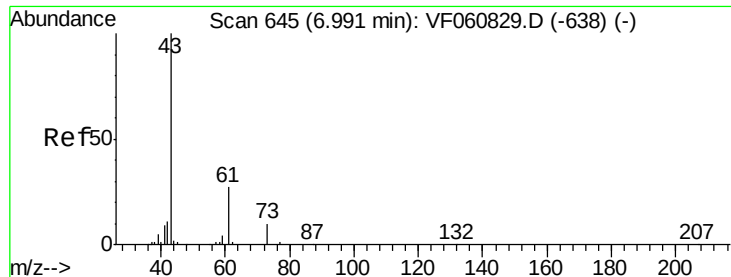
#41
 Methacrylonitrile
 Concen: Below Cal
 RT: 4.75 min Scan# 418
 Delta R.T. -0.03 min
 Lab File: VF060845.D
 Acq: 27 Nov 2018 18:22

Tgt Ion: 41 Resp: 377
 Ion Ratio Lower Upper
 41 100
 39 49.5 53.0 79.6#
 67 0.0 43.8 65.6#
 52 0.0 37.8 56.8#



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



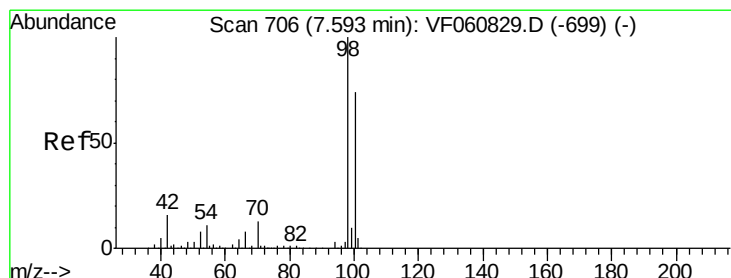
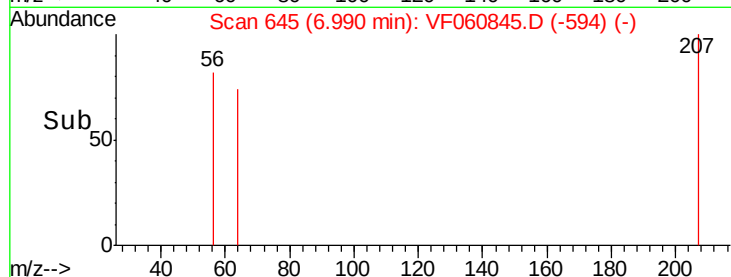
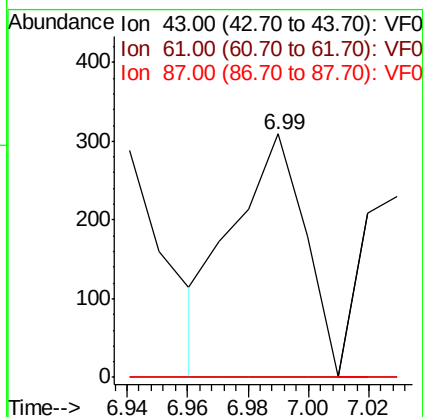
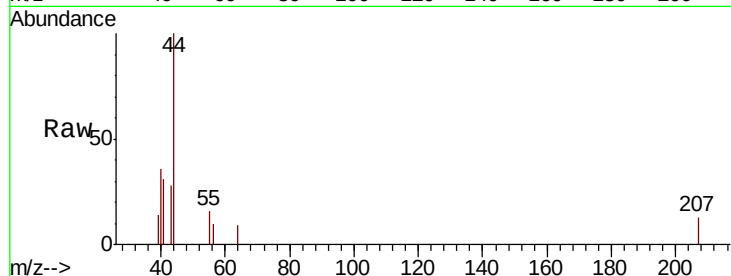


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 6.99 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VF060845.D
 Acq: 27 Nov 2018 18:22

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-2RE

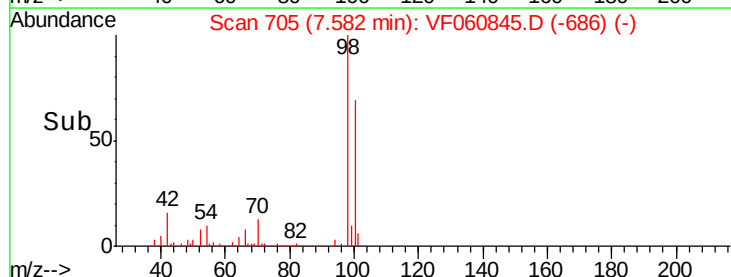
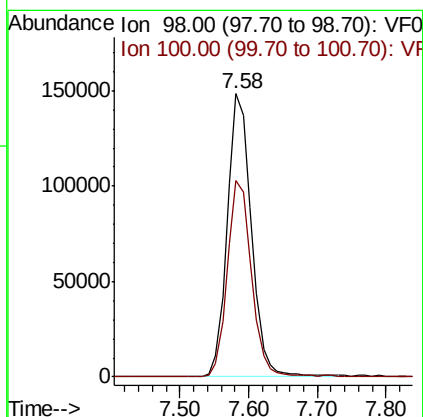
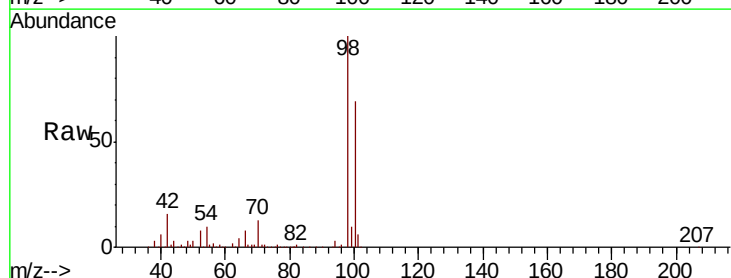
Tot Ion: 43 Resp: 518
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#

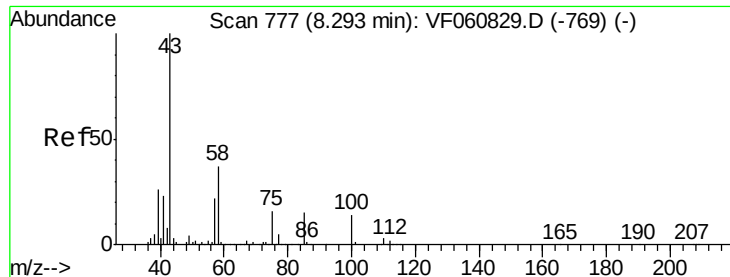


#50

Toluene-d8
 Concen: 45.989 ug/l
 RT: 7.58 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VF060845.D
 Acq: 27 Nov 2018 18:22

Tgt Ion: 98 Resp: 360686
 Ion Ratio Lower Upper
 98 100
 100 69.5 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 1.724 ug/l

RT: 8.30 min Scan# 778

Delta R.T. 0.01 min

Lab File: VF060845.D

Acq: 27 Nov 2018 18:22

Instrument :

MSVOA_F

ClientSampleId :

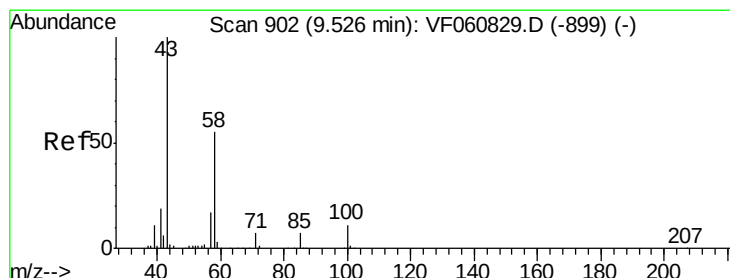
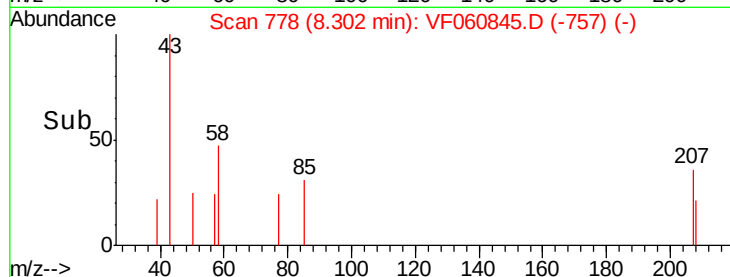
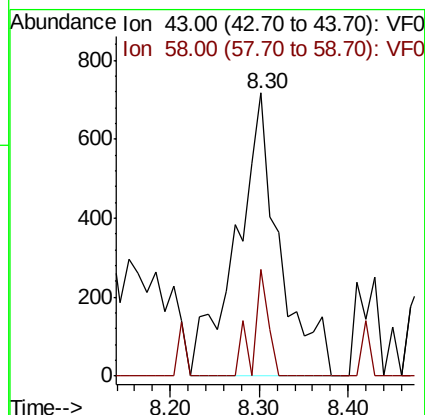
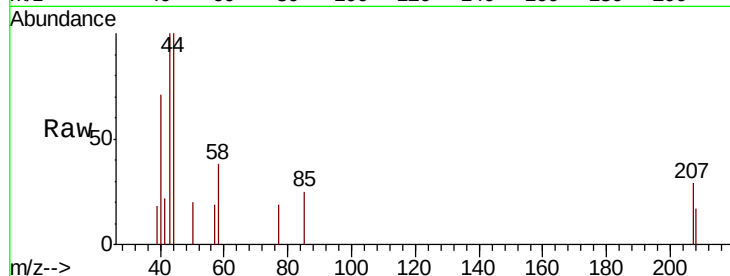
WC-2RE

Tot Ion: 43 Resp: 2405

Ion Ratio Lower Upper

43 100

58 37.8 29.7 44.5



#59

2-Hexanone

Concen: 1.542 ug/l

RT: 9.54 min Scan# 904

Delta R.T. 0.02 min

Lab File: VF060845.D

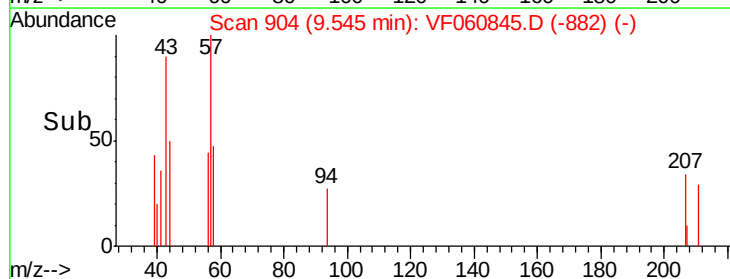
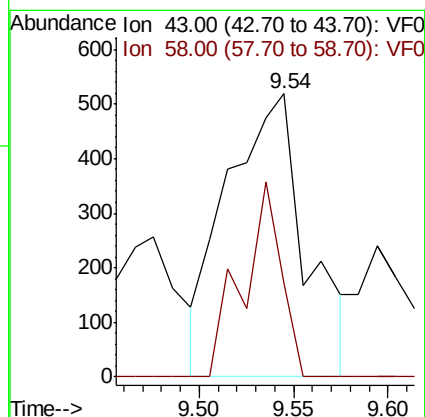
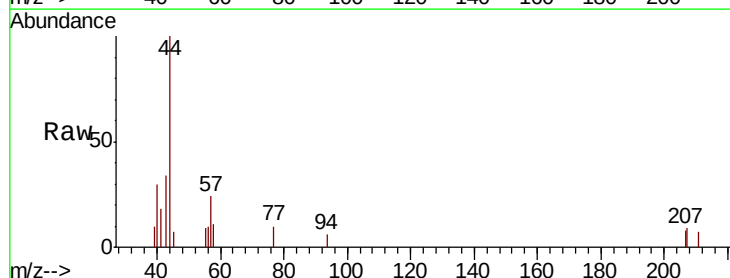
Acq: 27 Nov 2018 18:22

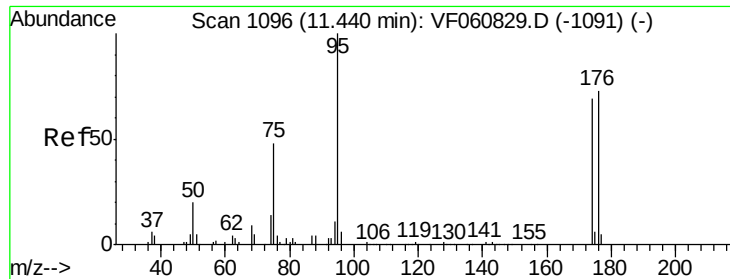
Tgt Ion: 43 Resp: 1509

Ion Ratio Lower Upper

43 100

58 33.1 25.6 76.6

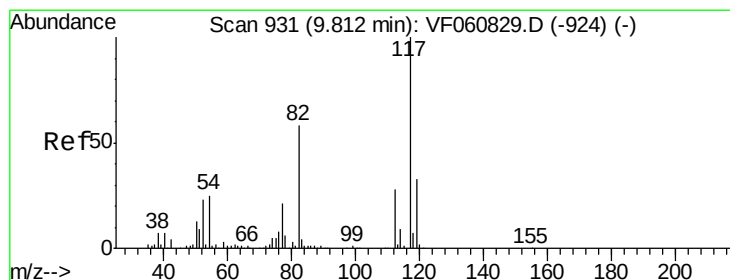
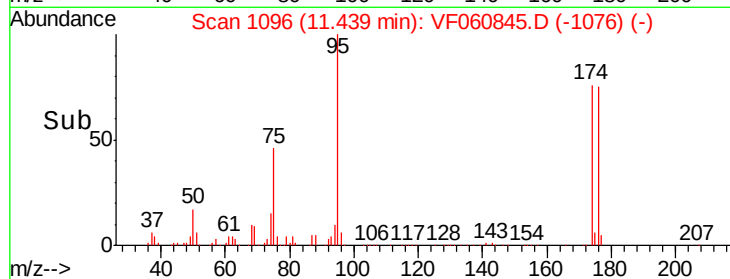
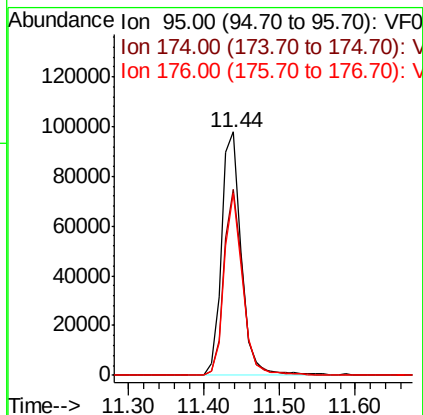
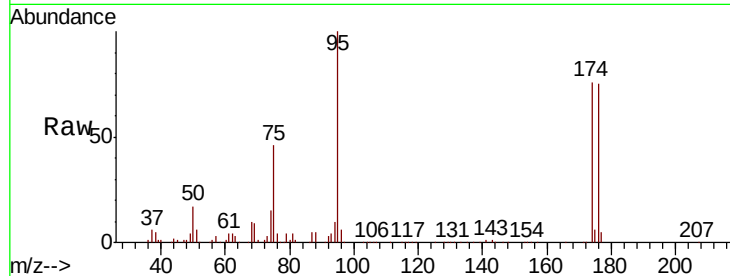




#62
4-Bromofluorobenzene
Concen: 50.250 ug/l
RT: 11.44 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VF060845.D
Acq: 27 Nov 2018 18:22

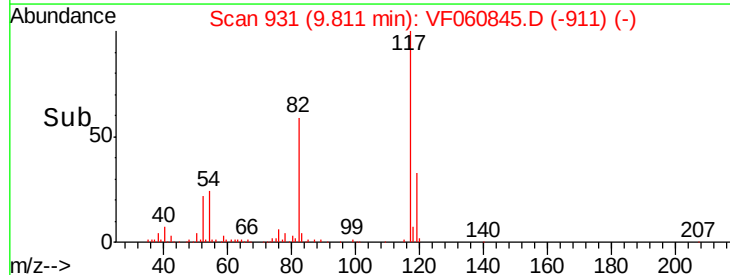
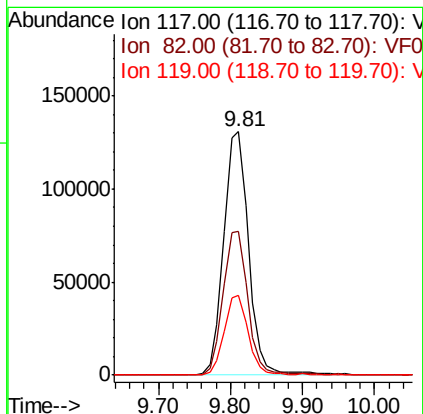
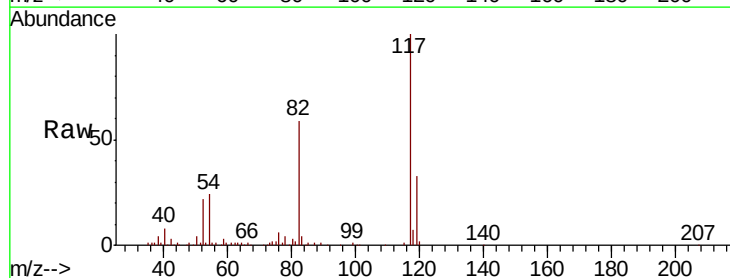
Instrument :
MSVOA_F
ClientSampleId :
WC-2RE

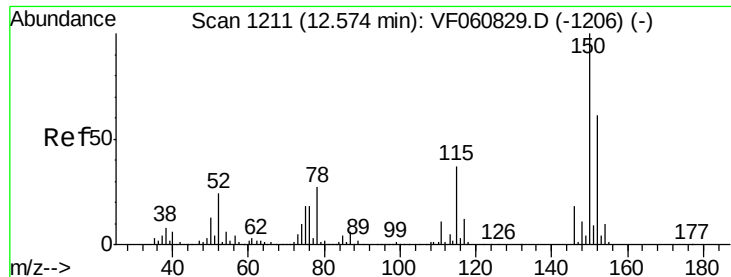
Tot Ion: 95 Resp: 179114
Ion Ratio Lower Upper
95 100
174 76.4 0.0 138.2
176 75.0 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060845.D
Acq: 27 Nov 2018 18:22

Tgt Ion: 117 Resp: 313324
Ion Ratio Lower Upper
117 100
82 59.1 46.6 69.8
119 33.0 26.4 39.6



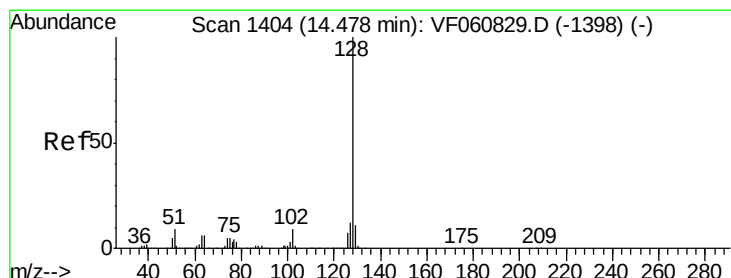
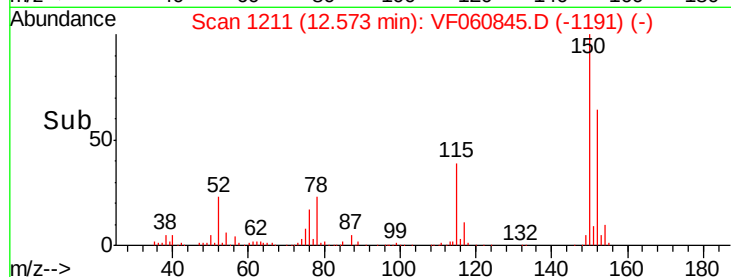
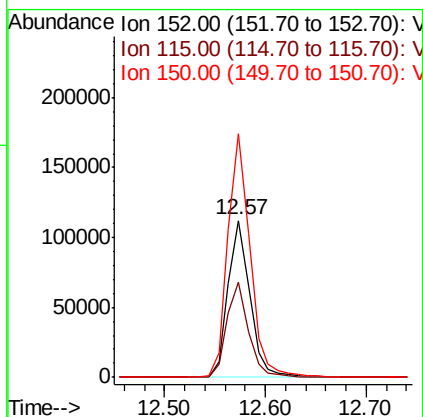
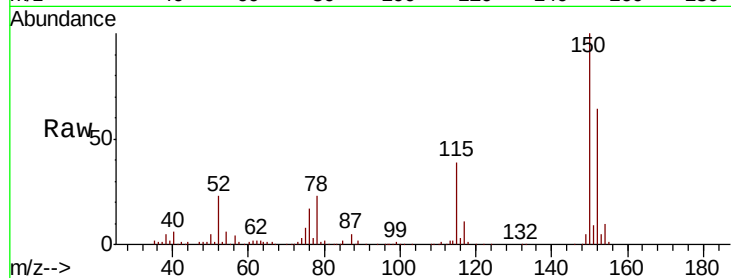


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VF060845.D
Acq: 27 Nov 2018 18:22

Instrument :
MSVOA_F
ClientSampleId :
WC-2RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.1	90.5
150	155.5	0.0	327.6



#95

Naphthalene
Concen: Below Cal
RT: 14.48 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VF060845.D
Acq: 27 Nov 2018 18:22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.9	14.9
129	8.6	9.1	13.7#

