

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112718\
 Data File : VF060836.D
 Acq On : 27 Nov 2018 13:47
 Operator : VA/AP
 Sample : VF1127SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1127SBL01

Quant Time: Nov 28 03:07:52 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	232178	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.63	114	381298	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.80	117	365190	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	203952	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	131481	48.07	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	96.14%	
35) Dibromofluoromethane	4.14	113	155718	51.48	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	102.96%	
50) Toluene-d8	7.58	98	422078	47.37	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	94.74%	
62) 4-Bromofluorobenzene	11.44	95	203305	50.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.40%	

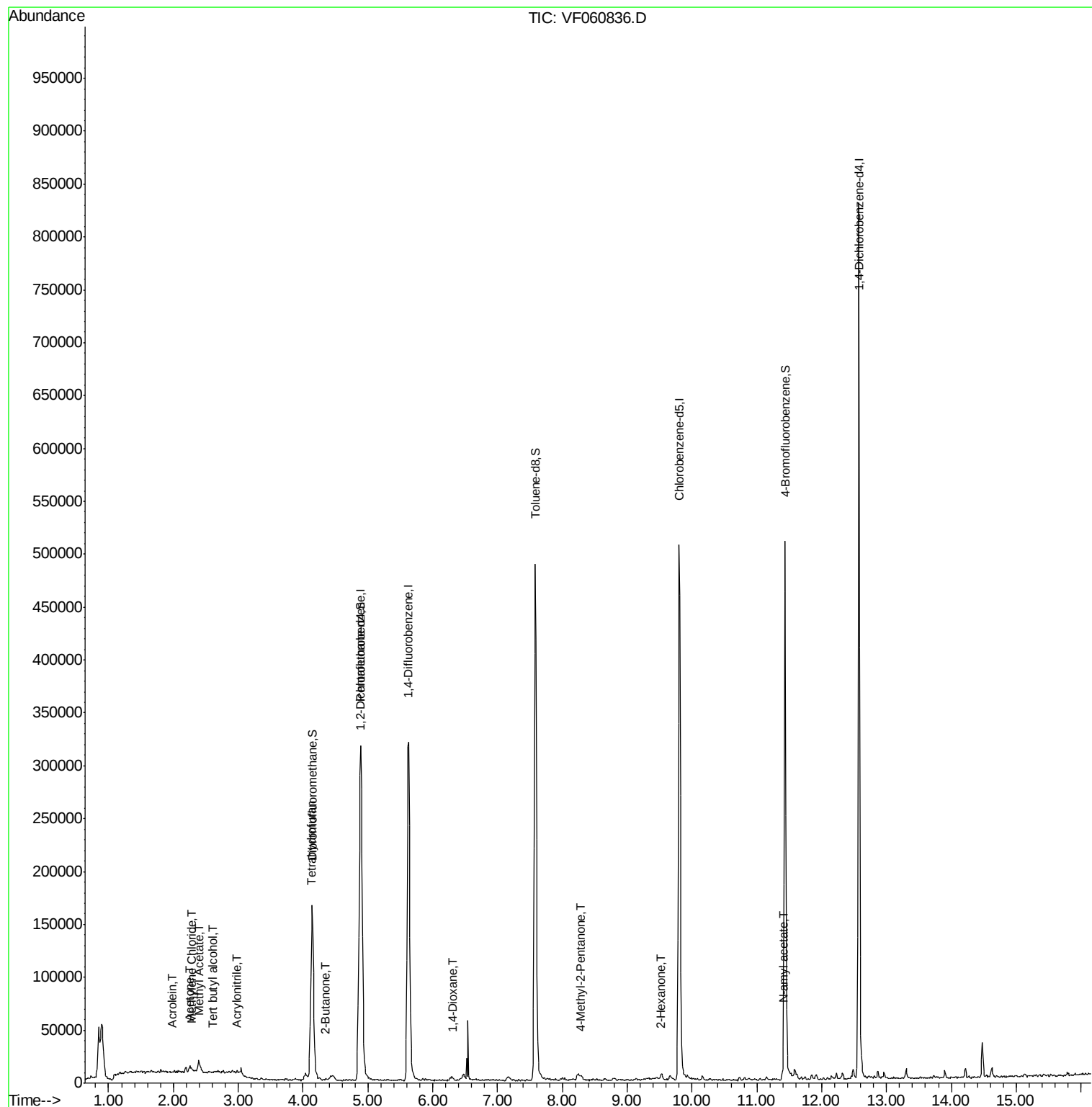
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.59	59	134	1.195	ug/l #	1
13) Acrolein	2.00	56	618	5.818	ug/l	96
15) Acrylonitrile	2.97	53	1133	4.507	ug/l #	28
16) Acetone	2.26	43	3754	7.443	ug/l #	83
18) Methyl Acetate	2.39	43	3157	2.151	ug/l #	61
20) Methylene Chloride	2.28	84	2294	1.240	ug/l #	90
25) 2-Butanone	4.36	43	1861	2.133	ug/l #	73
29) Tetrahydrofuran	4.12	42	1251	3.383	ug/l #	48
41) Methacrylonitrile	4.75	41	632	Below Cal	#	54
43) Isopropyl Acetate	6.97	43	233	Below Cal	#	95
49) 1,4-Dioxane	6.31	88	70	6.148	ug/l #	1
51) 4-Methyl-2-Pentanone	8.29	43	4532	2.860	ug/l #	77
59) 2-Hexanone	9.53	43	6177	5.555	ug/l	97
74) N-amyl acetate	11.40	43	5317	1.429	ug/l #	90
95) Naphthalene	14.48	128	21259	Below Cal		97

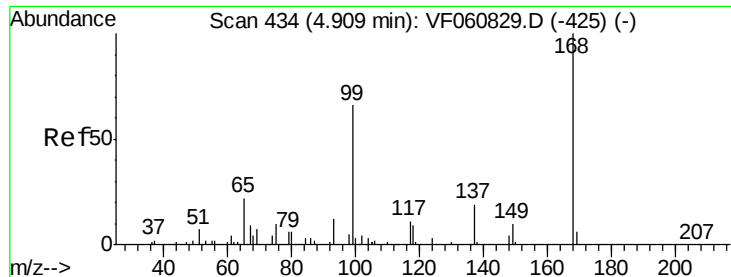
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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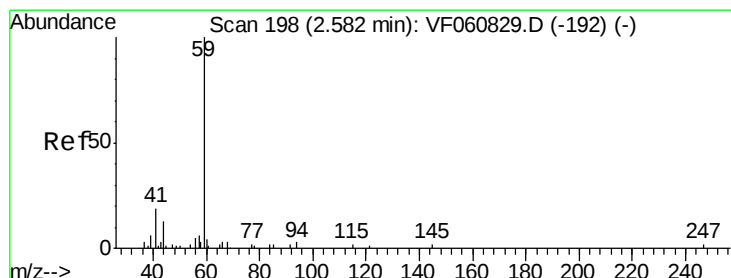
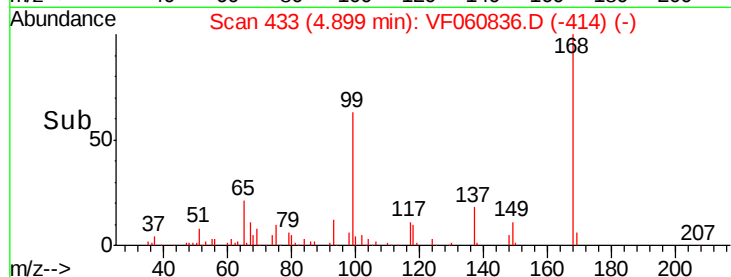
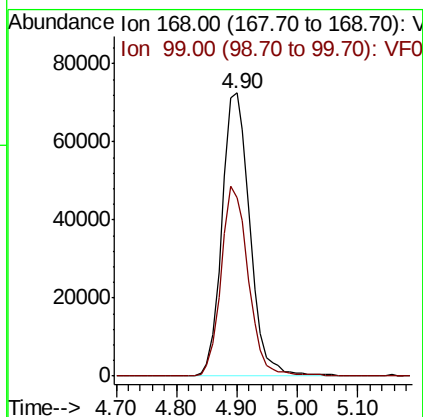
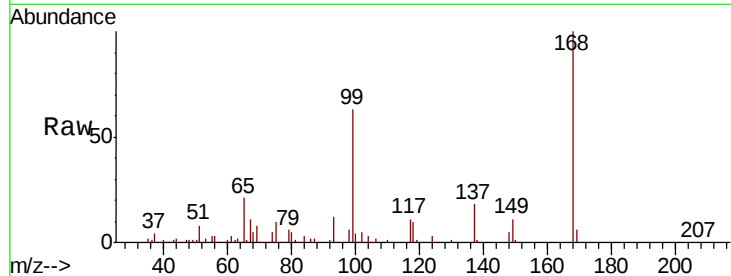




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.90 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF060836.D
Acq: 27 Nov 2018 13:47

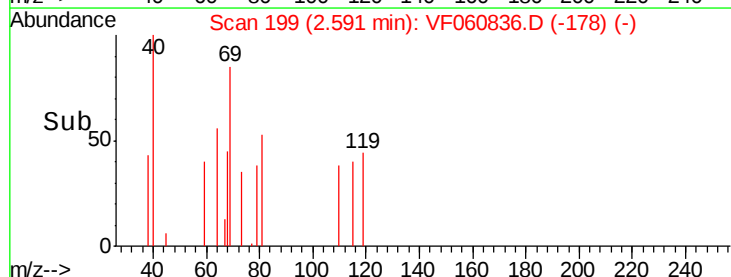
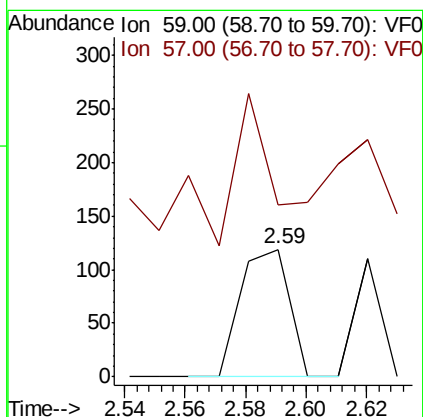
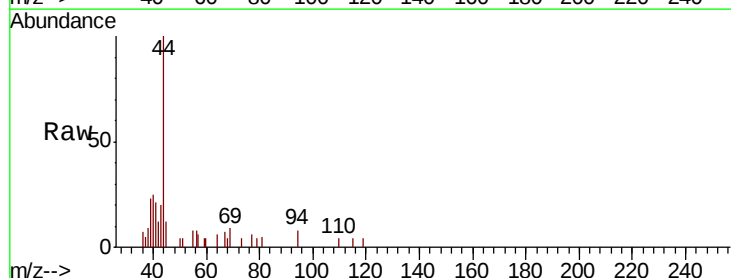
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBL01

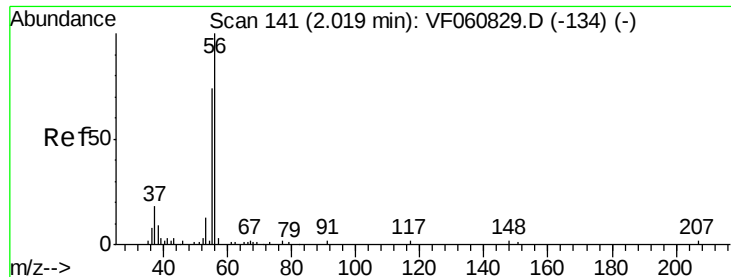
Tot Ion:168 Resp: 232178
Ion Ratio Lower Upper
168 100
99 63.1 52.6 79.0



#11
Tert butyl alcohol
Concen: 1.195 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060836.D
Acq: 27 Nov 2018 13:47

Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 135.3 12.7 19.1#





#13

Acrolein

Concen: 5.818 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF060836.D

Acq: 27 Nov 2018 13:47

Instrument :

MSVOA_F

ClientSampled :

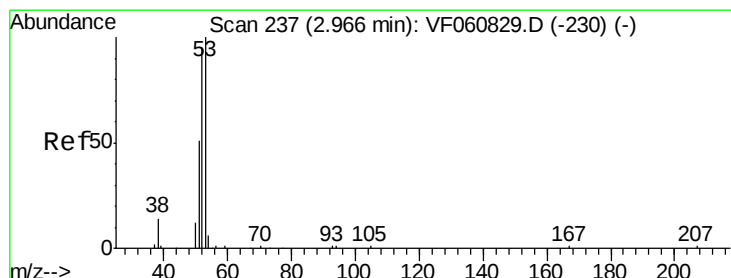
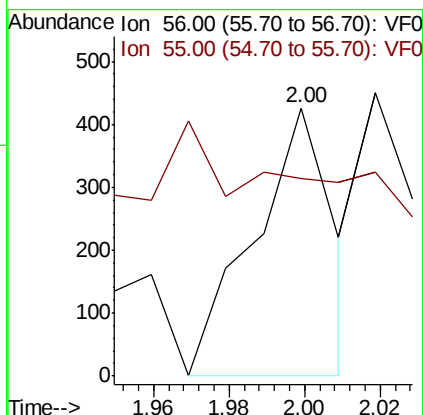
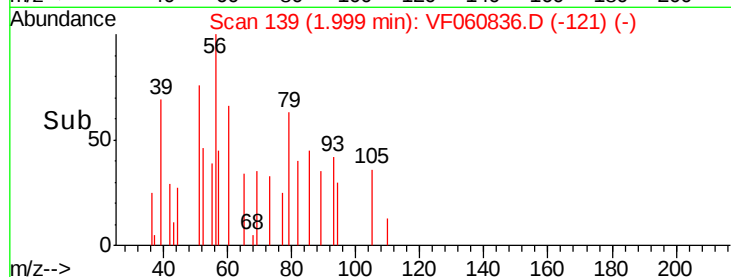
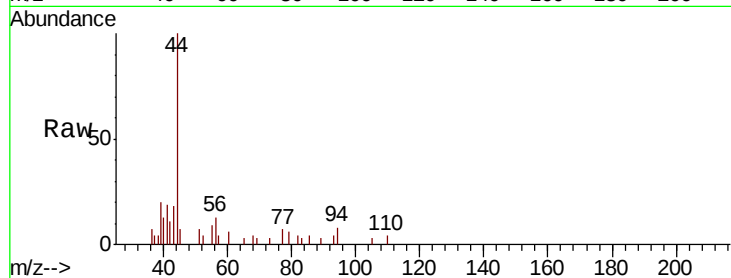
VF1127SBL01

Tot Ion: 56 Resp: 618

Ion Ratio Lower Upper

56 100

55 73.5 61.2 91.8



#15

Acrylonitrile

Concen: 4.507 ug/l

RT: 2.97 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF060836.D

Acq: 27 Nov 2018 13:47

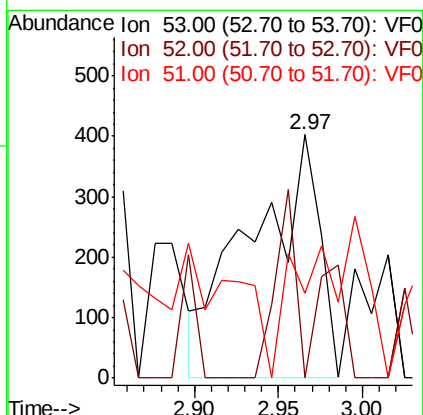
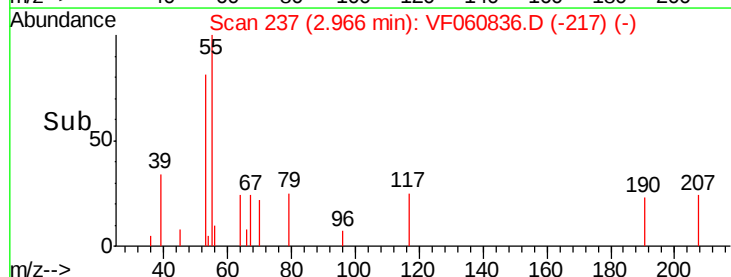
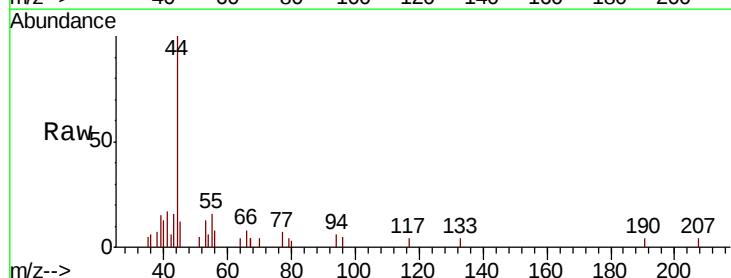
Tgt Ion: 53 Resp: 1133

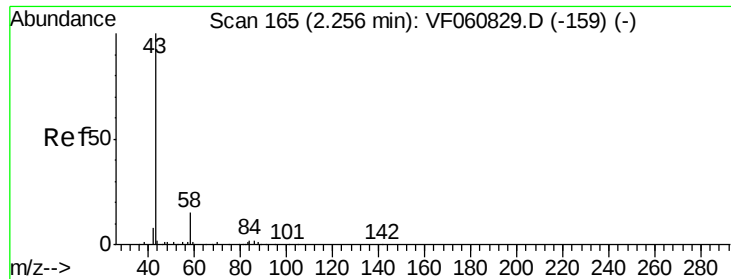
Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 35.0 40.7 61.1#





#16

Acetone

Concen: 7.443 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060836.D

Acq: 27 Nov 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

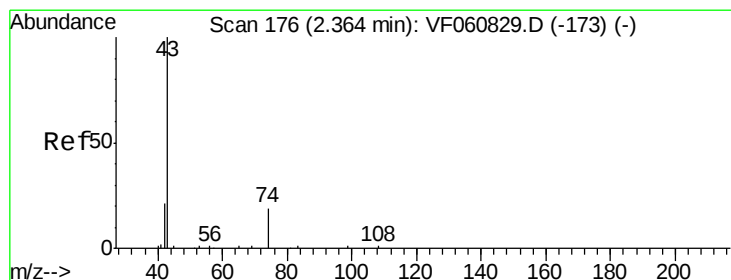
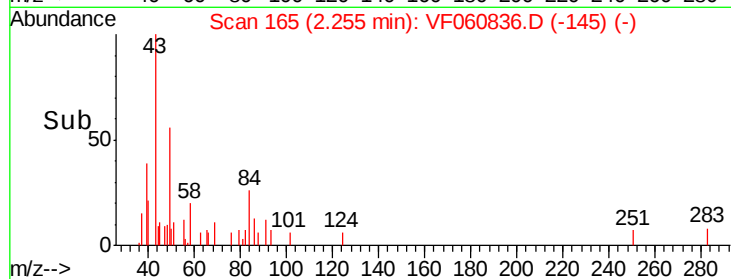
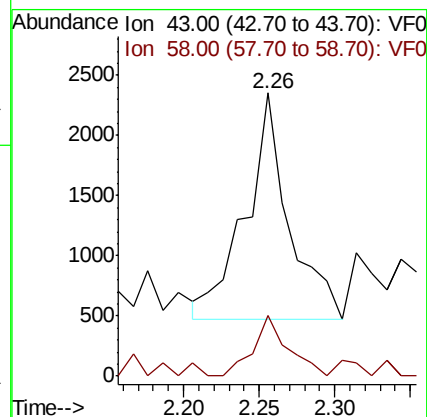
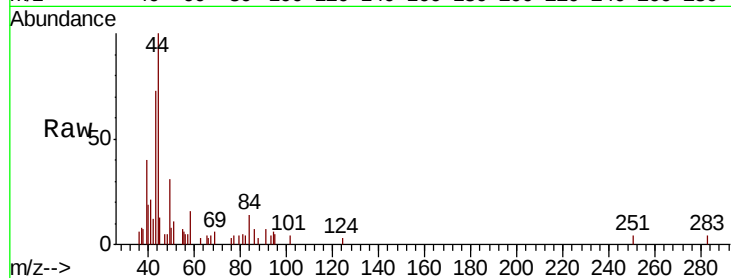
VF1127SBL01

Tot Ion: 43 Resp: 3754

Ion Ratio Lower Upper

43 100

58 21.4 11.4 17.2#



#18

Methyl Acetate

Concen: 2.151 ug/l

RT: 2.39 min Scan# 179

Delta R.T. 0.03 min

Lab File: VF060836.D

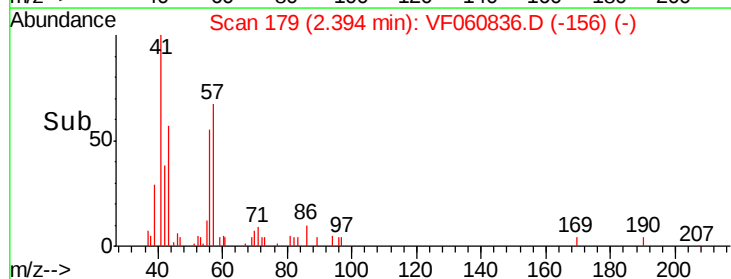
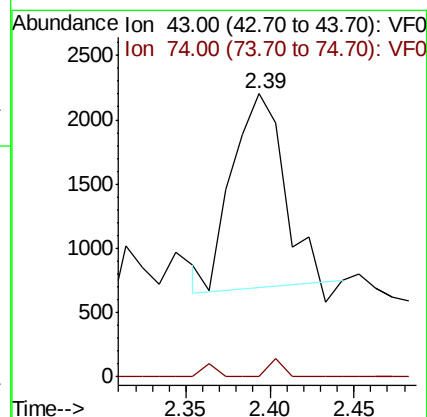
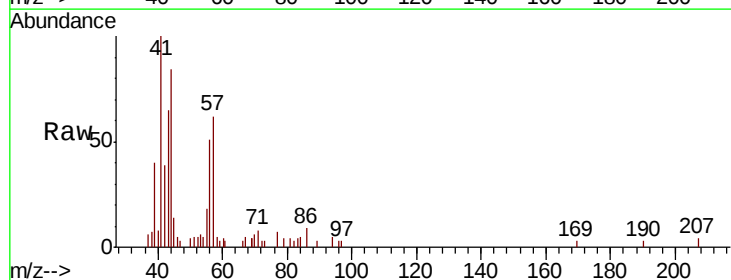
Acq: 27 Nov 2018 13:47

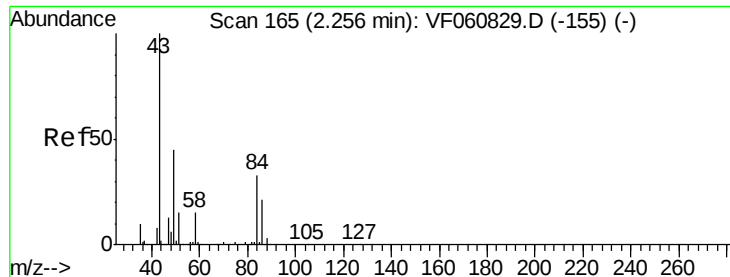
Tgt Ion: 43 Resp: 3157

Ion Ratio Lower Upper

43 100

74 0.0 13.3 19.9#

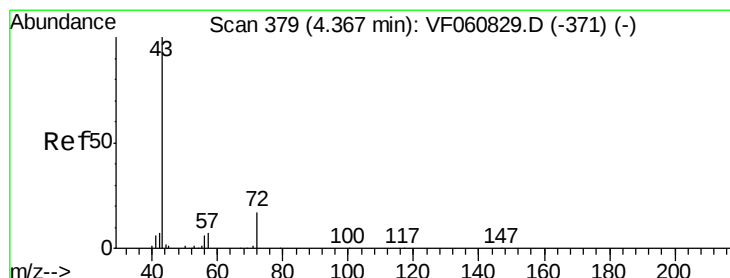
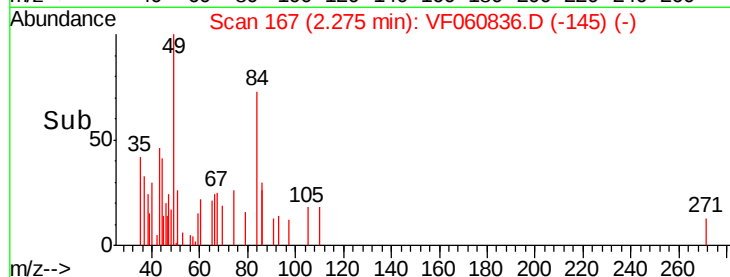
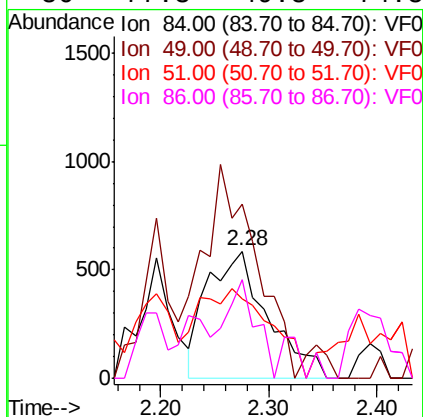
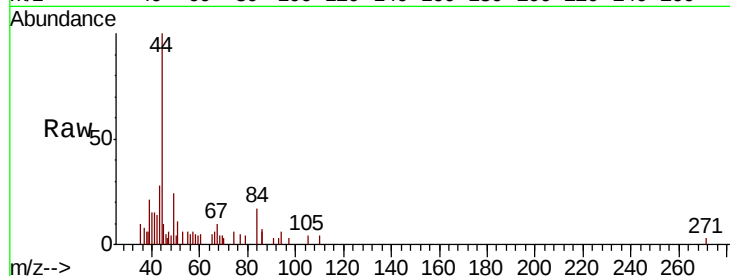




#20
Methvlene Chloride
Concen: 1.240 ug/l
RT: 2.28 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF060836.D
Acq: 27 Nov 2018 13:47

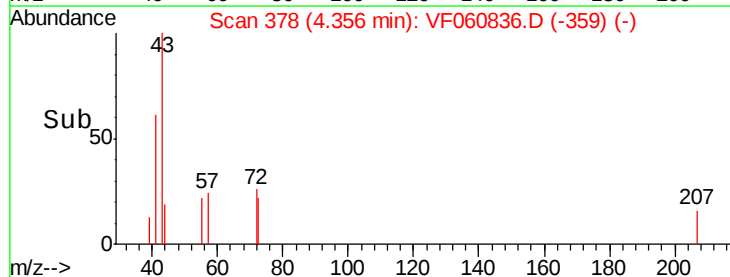
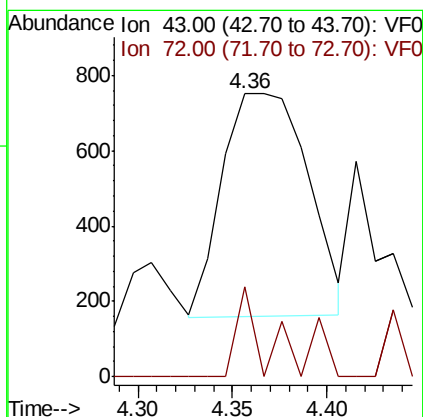
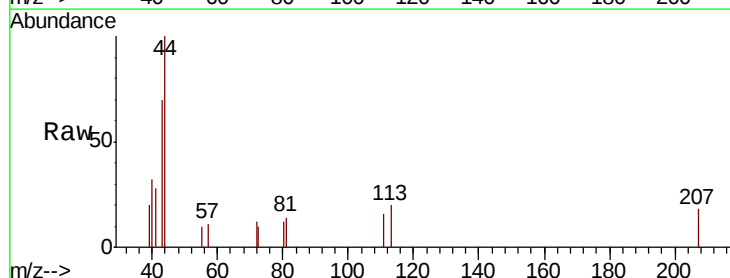
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBL01

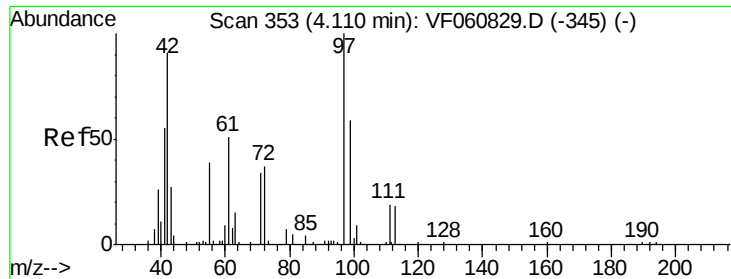
Tot Ion: 84 Resp: 2294
Ion Ratio Lower Upper
84 100
49 137.0 111.3 166.9
51 62.7 38.0 57.0#
86 77.3 49.8 74.8#



#25
2-Butanone
Concen: 2.133 ug/l
RT: 4.36 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF060836.D
Acq: 27 Nov 2018 13:47

Tgt Ion: 43 Resp: 1861
Ion Ratio Lower Upper
43 100
72 31.7 15.4 23.2#





#29

Tetrahydrofuran

Concen: 3.383 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF060836.D

Acq: 27 Nov 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBL01

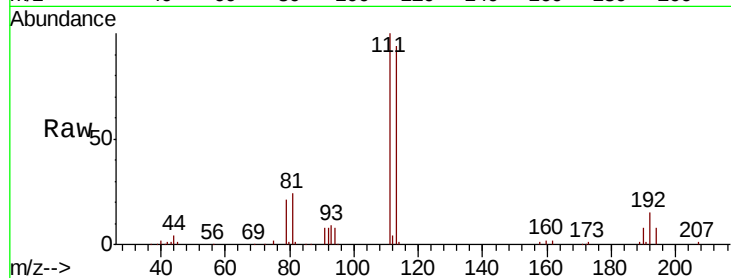
Tot Ion: 42 Resp: 1251

Ion Ratio Lower Upper

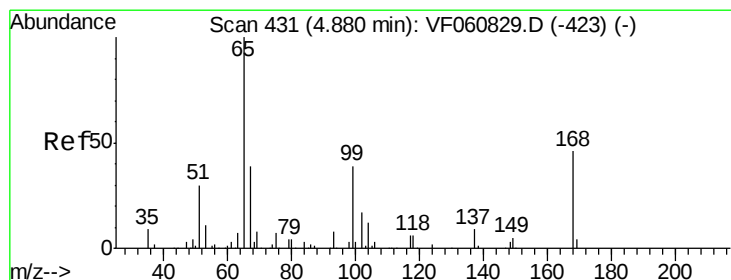
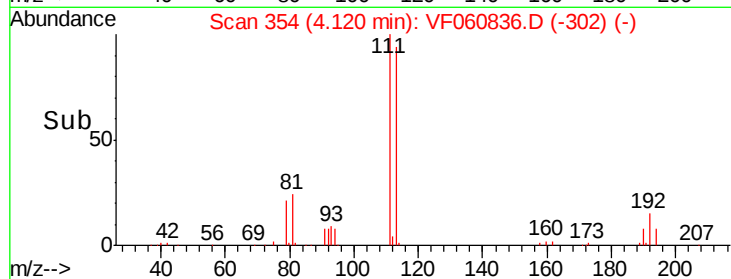
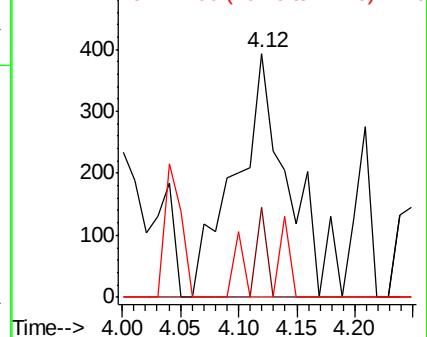
42 100

72 6.9 31.9 47.9#

71 6.2 28.7 43.1#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 48.071 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060836.D

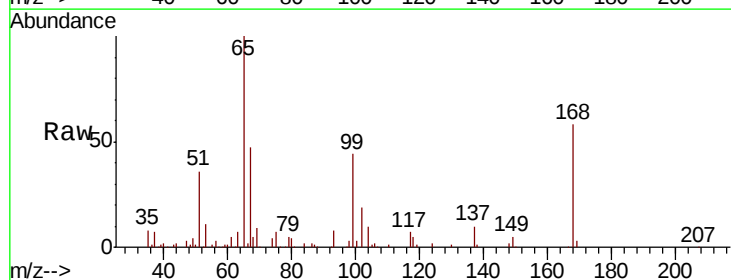
Acq: 27 Nov 2018 13:47

Tgt Ion: 65 Resp: 131481

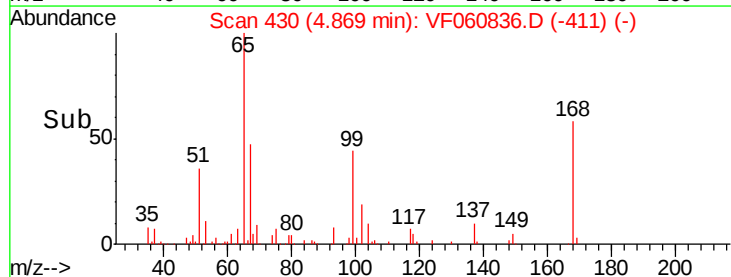
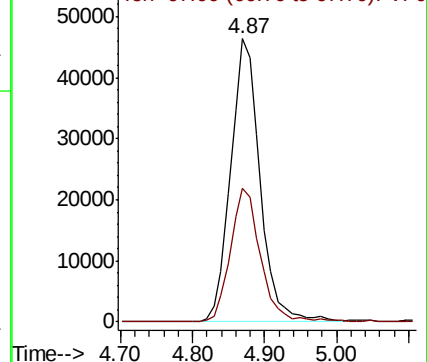
Ion Ratio Lower Upper

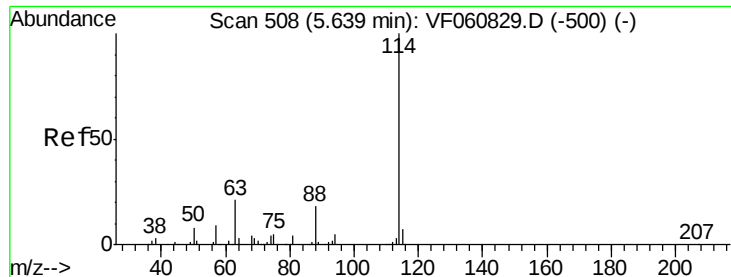
65 100

67 47.3 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. -0.01 min

Lab File: VF060836.D

Acq: 27 Nov 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBL01

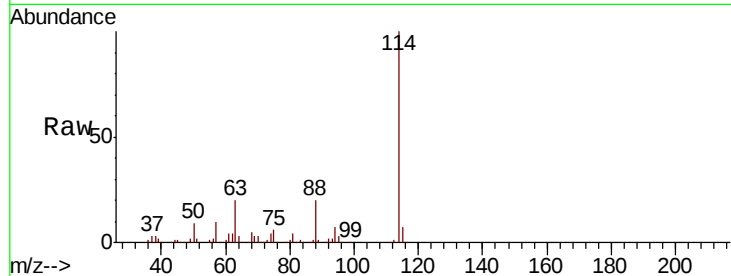
Tot Ion:114 Resp: 381298

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

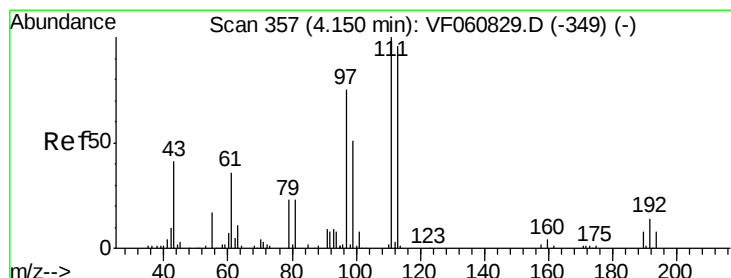
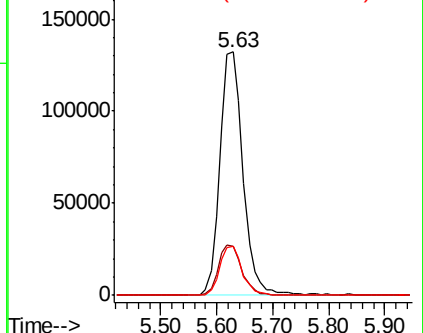
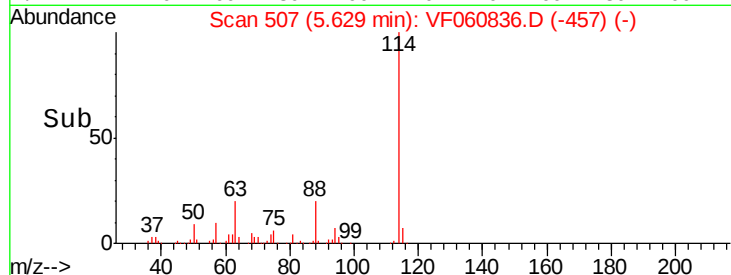
88 20.0 0.0 36.6



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: 51.478 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060836.D

Acq: 27 Nov 2018 13:47

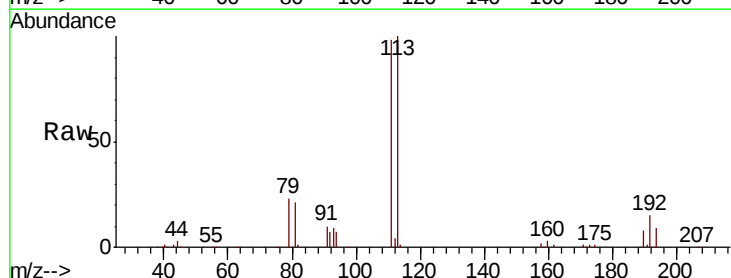
Tgt Ion:113 Resp: 155718

Ion Ratio Lower Upper

113 100

111 98.2 83.0 124.6

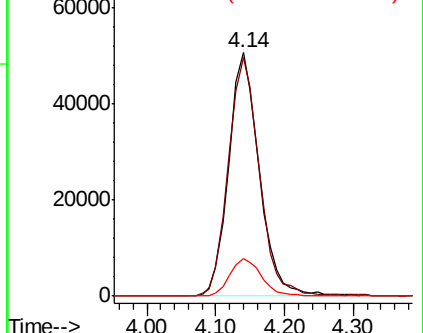
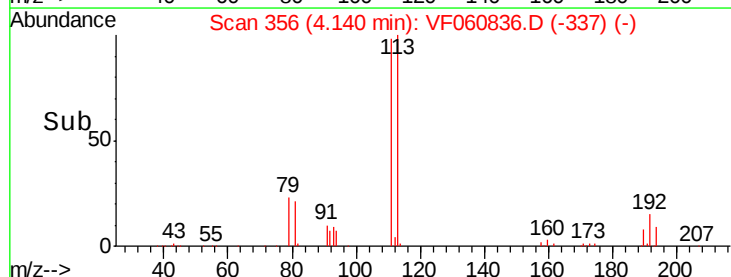
192 15.5 12.3 18.5

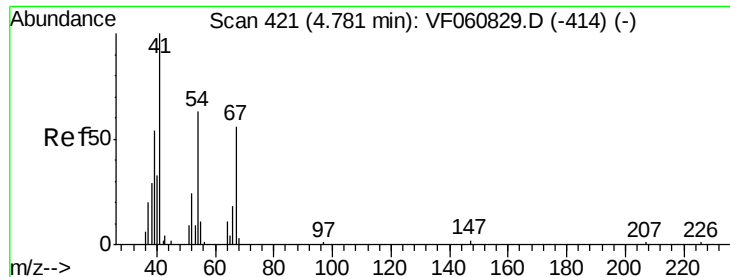


Abundance Ion 113.00 (112.70 to 113.70): V

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: VF060836.D

Acq: 27 Nov 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBL01

Tot Ion: 41 Resp: 632

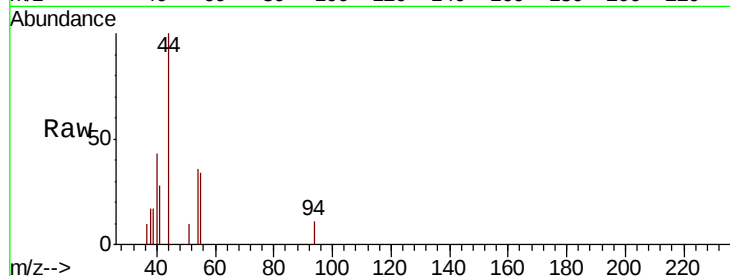
Ion Ratio Lower Upper

41 100

39 62.6 53.0 79.6

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#

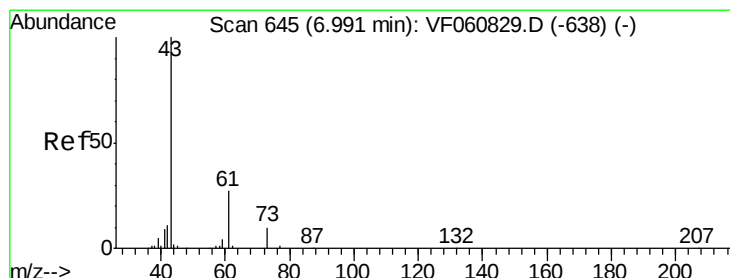
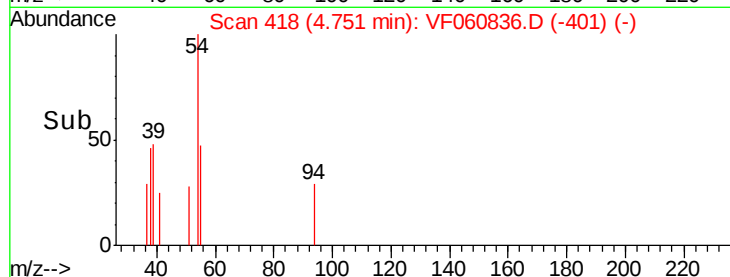
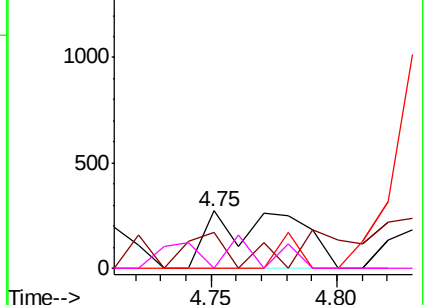


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 6.97 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF060836.D

Acq: 27 Nov 2018 13:47

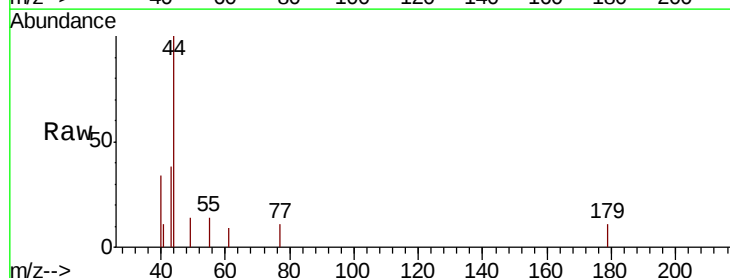
Tgt Ion: 43 Resp: 233

Ion Ratio Lower Upper

43 100

61 24.2 21.4 32.0

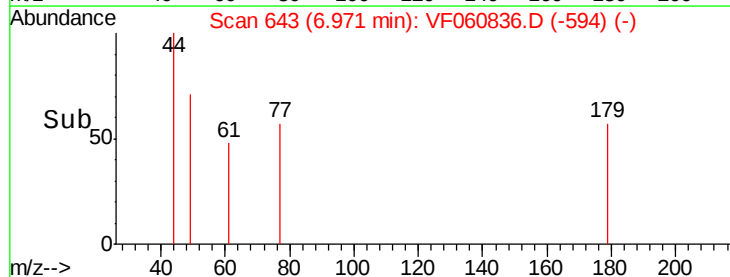
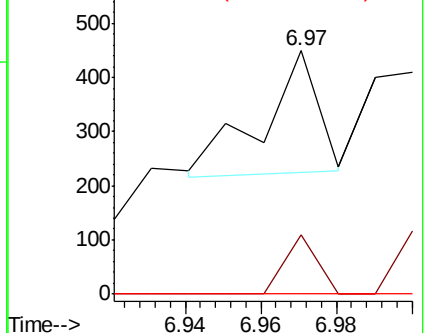
87 0.0 0.2 0.4#

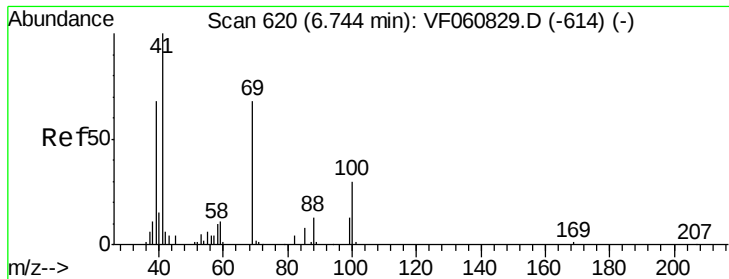


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#49

1,4-Dioxane

Concen: 6.148 ug/l

RT: 6.31 min Scan# 576

Delta R.T. -0.43 min

Lab File: VF060836.D

Acq: 27 Nov 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBL01

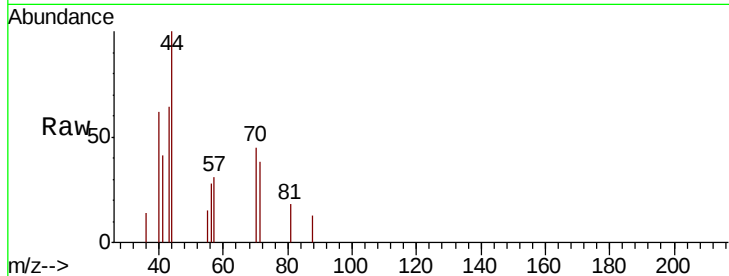
Tot Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 505.9 42.0 63.0#

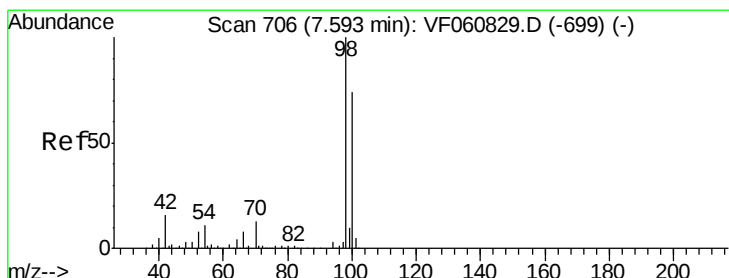
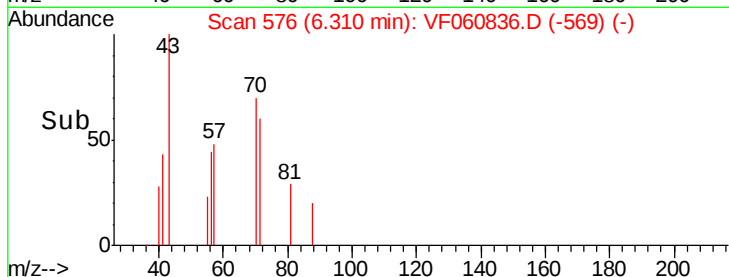
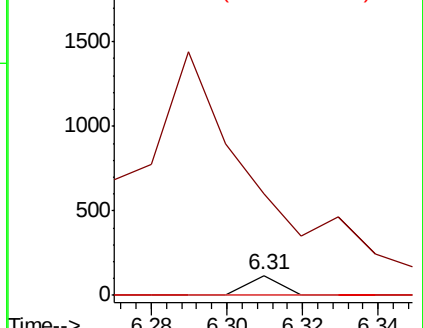
58 0.0 61.8 92.8#



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: 47.368 ug/l

RT: 7.58 min Scan# 705

Delta R.T. -0.01 min

Lab File: VF060836.D

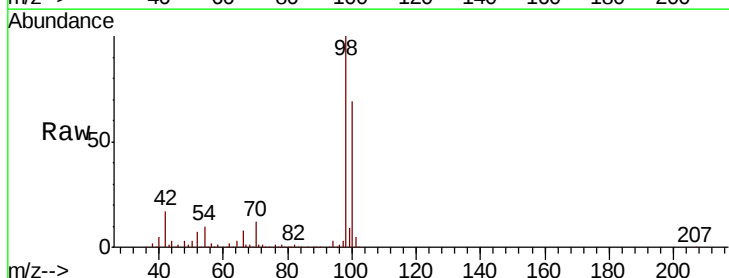
Acq: 27 Nov 2018 13:47

Tgt Ion: 98 Resp: 422078

Ion Ratio Lower Upper

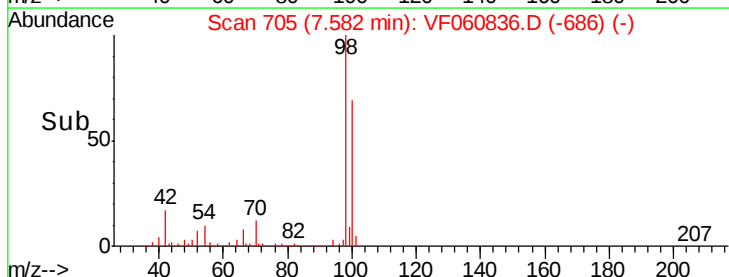
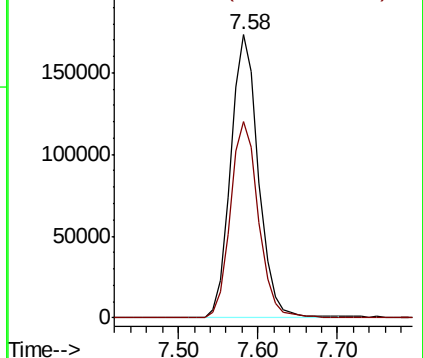
98 100

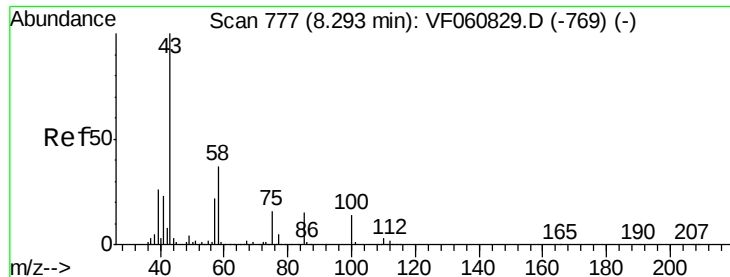
100 69.4 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 2.860 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060836.D

Acq: 27 Nov 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

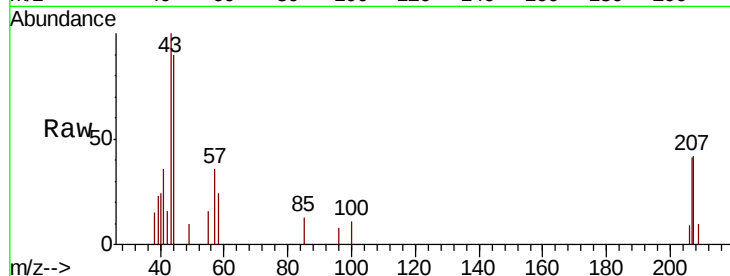
VF1127SBL01

Tot Ion: 43 Resp: 4532

Ion Ratio Lower Upper

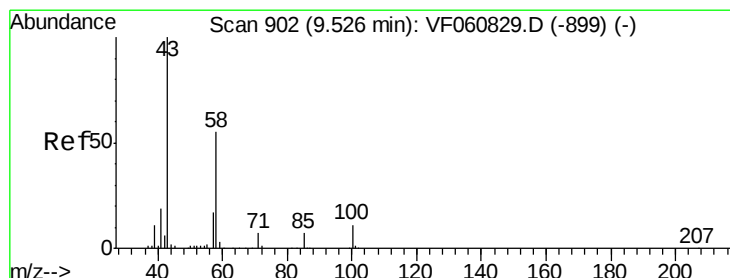
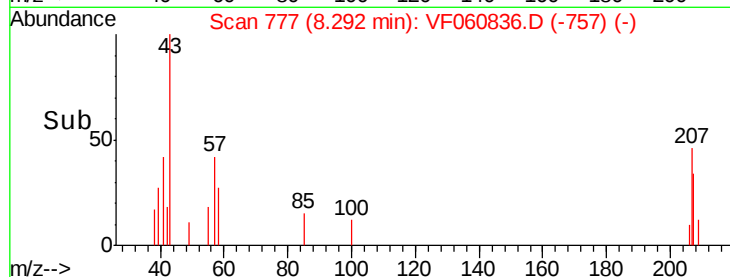
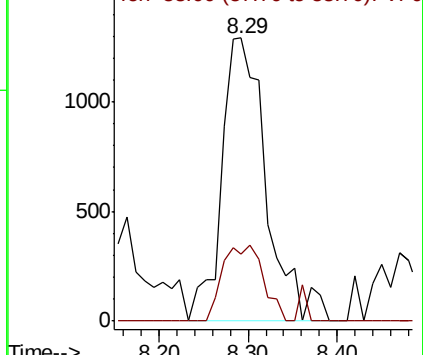
43 100

58 23.6 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 5.555 ug/l

RT: 9.53 min Scan# 902

Delta R.T. -0.00 min

Lab File: VF060836.D

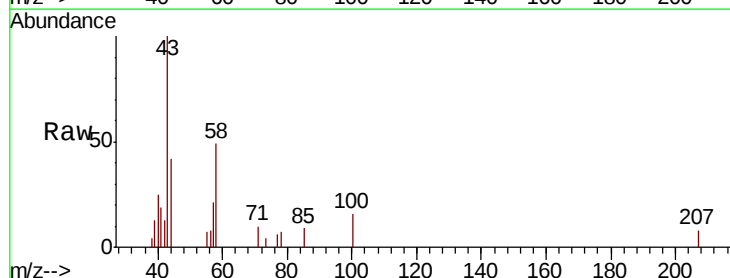
Acq: 27 Nov 2018 13:47

Tgt Ion: 43 Resp: 6177

Ion Ratio Lower Upper

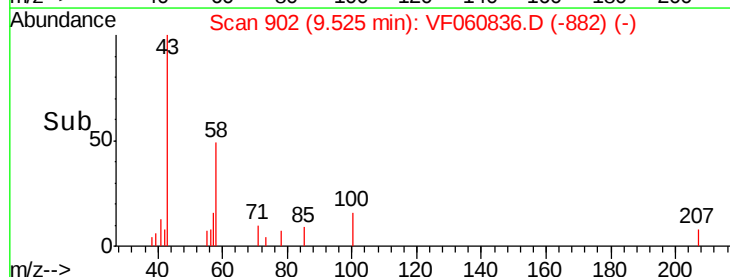
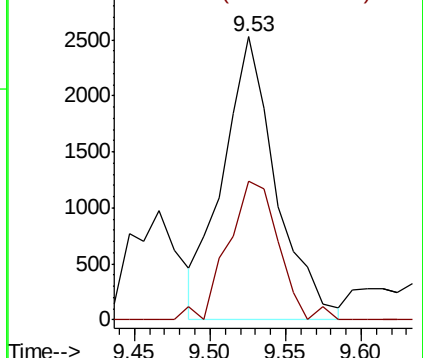
43 100

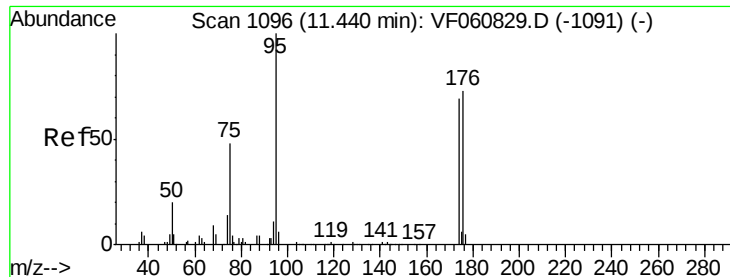
58 48.9 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

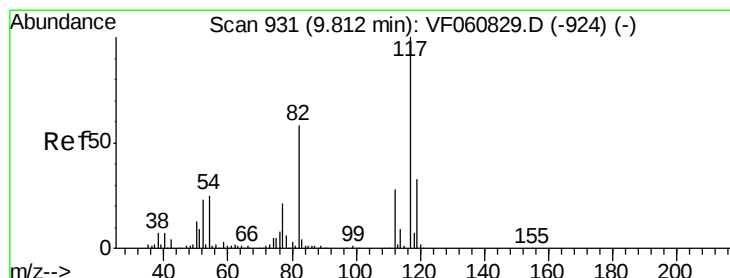
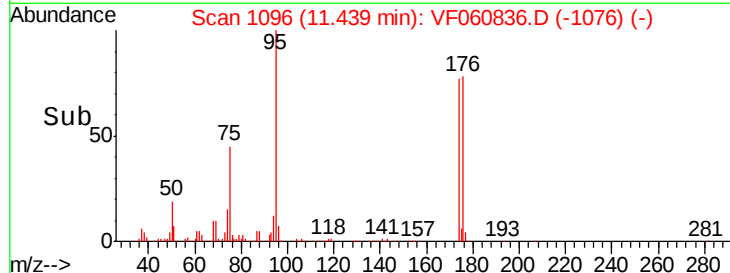
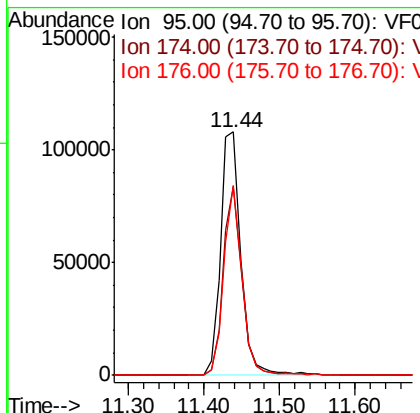
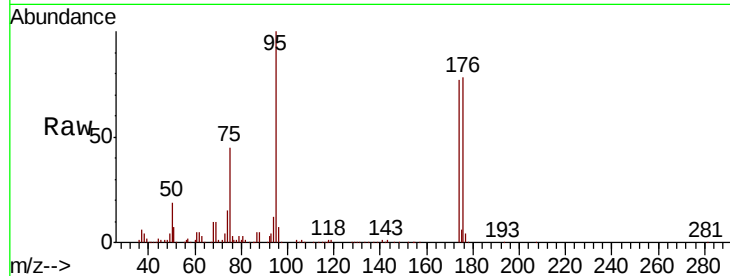




#62
4-Bromofluorobenzene
Concen: 50.202 ug/l
RT: 11.44 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VF060836.D
Acq: 27 Nov 2018 13:47

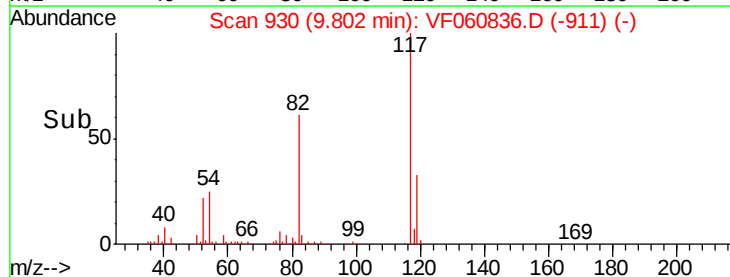
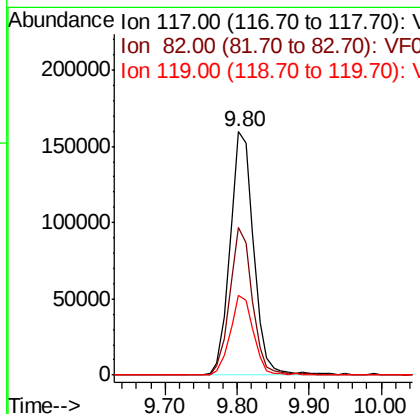
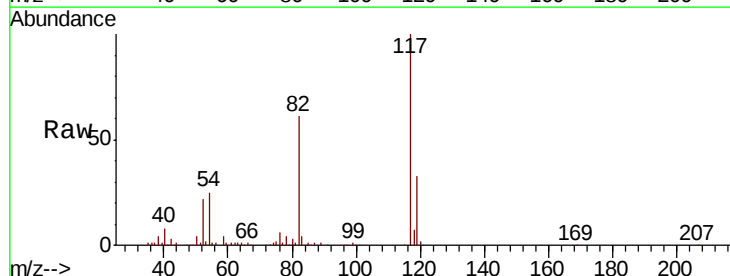
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBL01

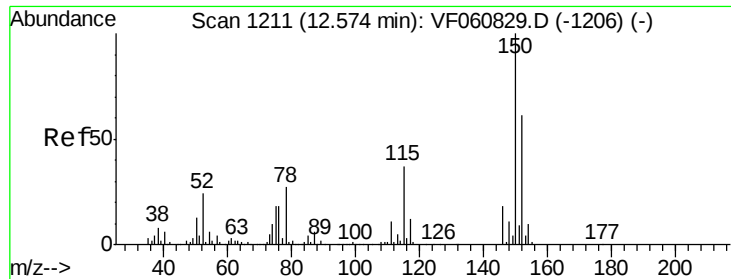
Tot Ion: 95 Resp: 203305
Ion Ratio Lower Upper
95 100
174 77.4 0.0 138.2
176 77.8 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060836.D
Acq: 27 Nov 2018 13:47

Tgt Ion: 117 Resp: 365190
Ion Ratio Lower Upper
117 100
82 60.8 46.6 69.8
119 32.8 26.4 39.6



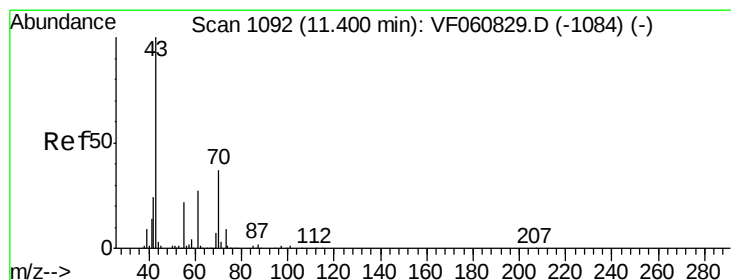
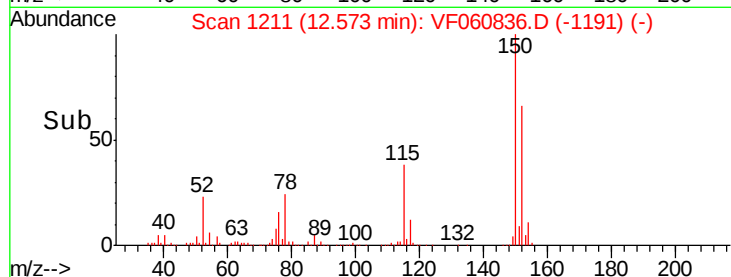
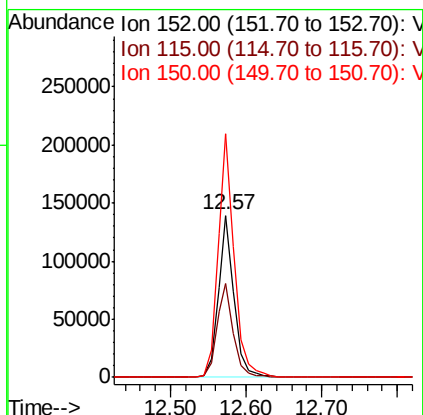
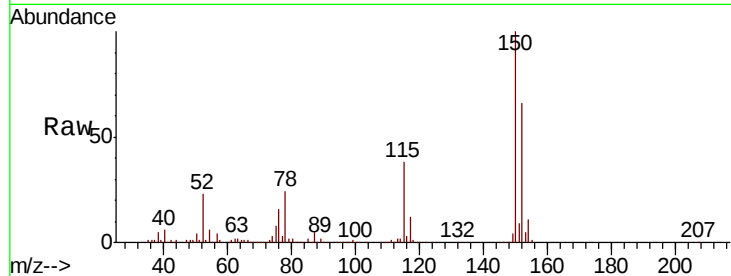


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VF060836.D
Acq: 27 Nov 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1127SBL01

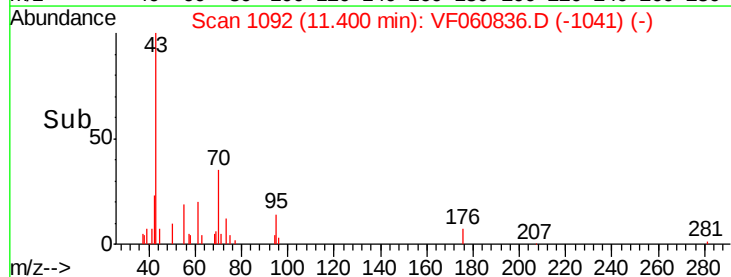
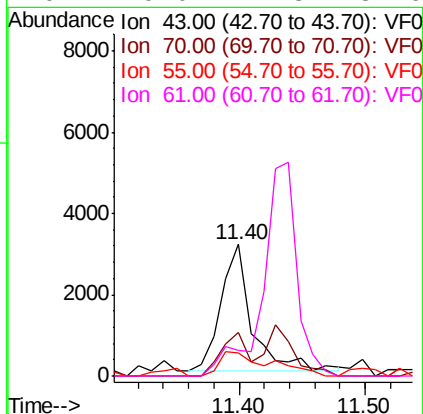
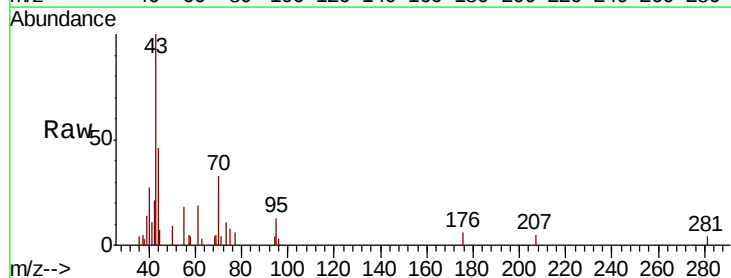
Tot Ion:152 Resp: 203952
Ion Ratio Lower Upper
152 100
115 57.7 30.1 90.5
150 150.4 0.0 327.6

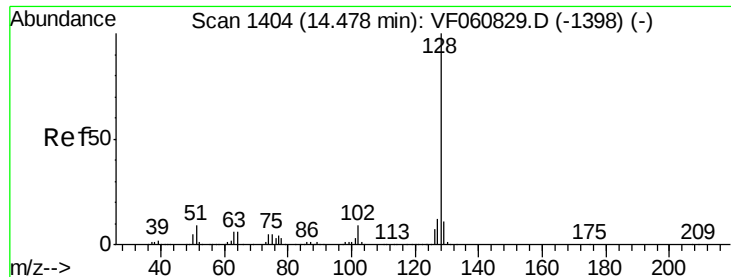


#74

N-ethyl acetate
Concen: 1.429 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VF060836.D
Acq: 27 Nov 2018 13:47

Tgt Ion: 43 Resp: 5317
Ion Ratio Lower Upper
43 100
70 33.2 29.6 44.4
55 17.7 17.2 25.8
61 19.0 21.8 32.6#

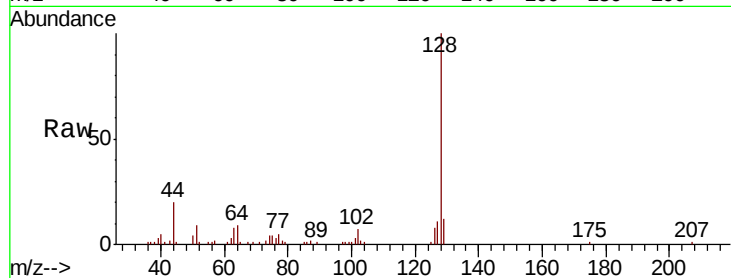




#95
Naphthalene
Concen: Below Cal
RT: 14.48 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VF060836.D
Acq: 27 Nov 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1127SBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.8	9.9	14.9
129	11.9	9.1	13.7



Abundance Ion 128.00 (127.70 to 128.70): V
20000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

