

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060096.D
 Acq On : 24 Aug 2018 13:20
 Operator : VA/AP
 Sample : VF0824SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBL01

Quant Time: Aug 25 03:43:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	174320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	273644	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	291129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	181719	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	126265	52.92	ug/l	-0.01
Spiked Amount			Recovery	=	105.84%	
35) Dibromofluoromethane	4.29	113	118597	55.19	ug/l	-0.01
Spiked Amount			Recovery	=	110.38%	
50) Toluene-d8	7.71	98	311342	51.02	ug/l	-0.01
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.51	95	166700	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	

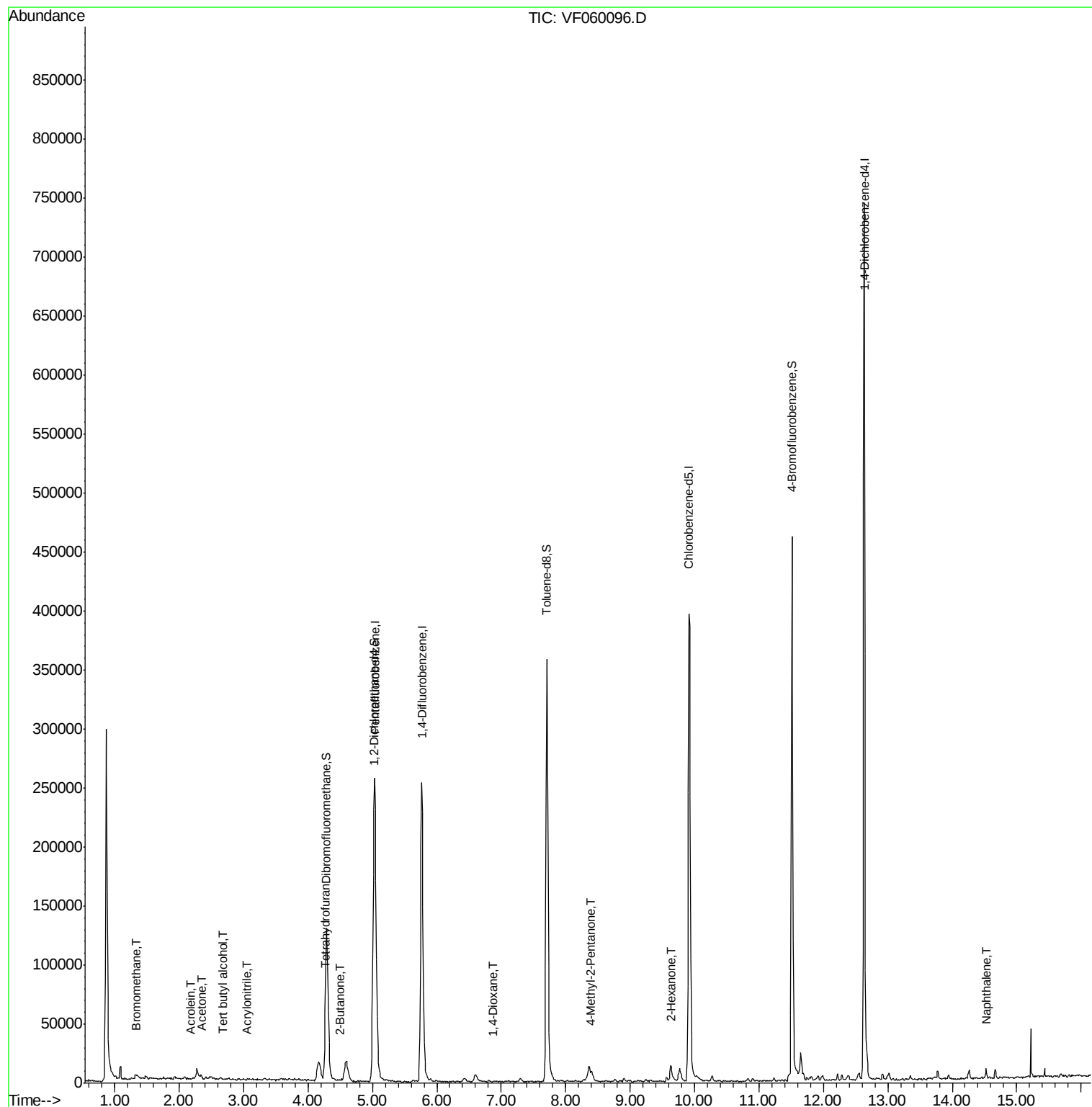
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.07	50	1778	Below Cal	#	68
5) Bromomethane	1.33	94	1598	1.48	ug/l	# 59
11) Tert butyl alcohol	2.68	59	401	3.16	ug/l	# 1
13) Acrolein	2.19	56	76	27.20	ug/l	# 96
15) Acrylonitrile	3.06	53	332	1.33	ug/l	# 11
16) Acetone	2.33	43	3602	5.74	ug/l	# 78
18) Methyl Acetate	2.44	43	730	Below Cal	#	60
20) Methylene Chloride	2.28	84	3627	Below Cal	#	87
25) 2-Butanone	4.50	43	2183	2.68	ug/l	# 97
29) Tetrahydrofuran	4.26	42	317	1.03	ug/l	# 48
49) 1,4-Dioxane	6.88	88	74	6.02	ug/l	# 18
51) 4-Methyl-2-Pentanone	8.40	43	7216	4.32	ug/l	# 88
52) Toluene	7.78	92	1001	Below Cal		86
59) 2-Hexanone	9.64	43	11486	8.49	ug/l	96
68) m/p-Xylenes	10.28	106	1203	Below Cal	#	58
95) Naphthalene	14.53	128	4389	2.91	ug/l	96

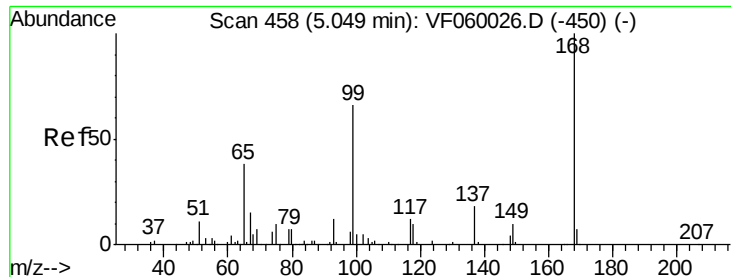
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060096.D

Acq: 24 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

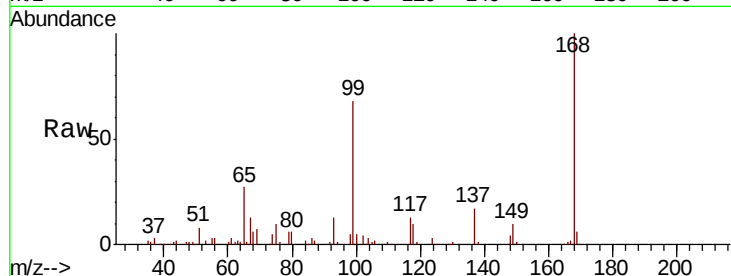
VF0824SBL01

Tot Ion:168 Resp: 174320

Ion Ratio Lower Upper

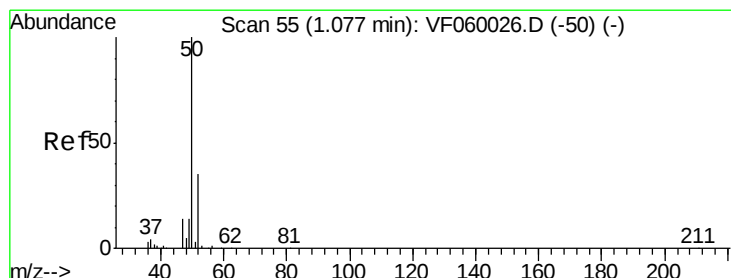
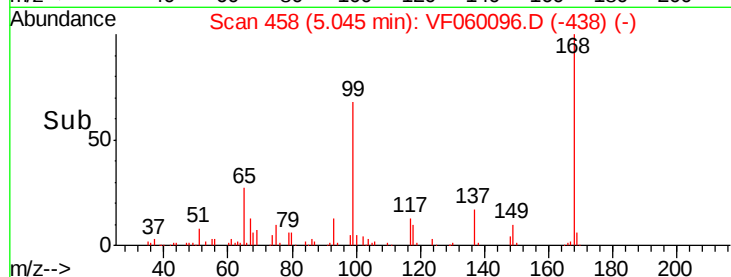
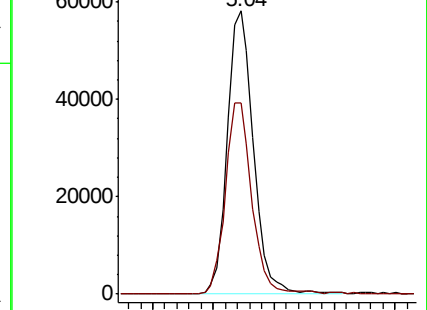
168 100

99 67.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: Below Cal

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060096.D

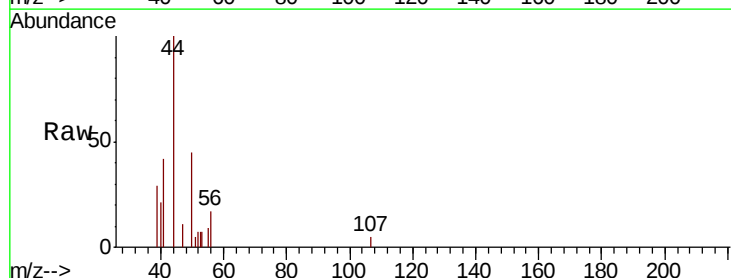
Acq: 24 Aug 2018 13:20

Tgt Ion: 50 Resp: 1778

Ion Ratio Lower Upper

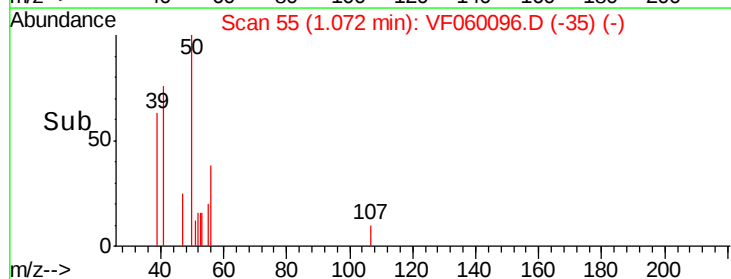
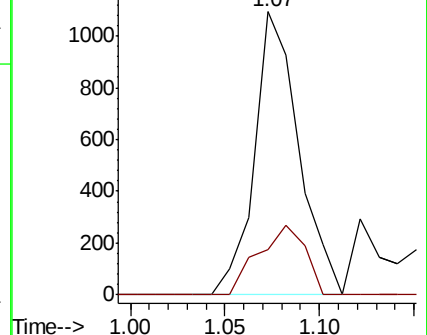
50 100

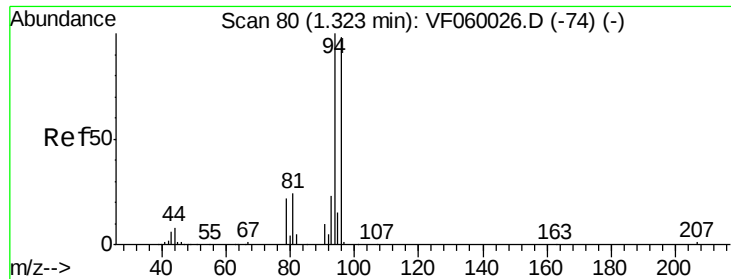
52 15.8 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#5

Bromomethane

Concen: 1.48 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060096.D

Acq: 24 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

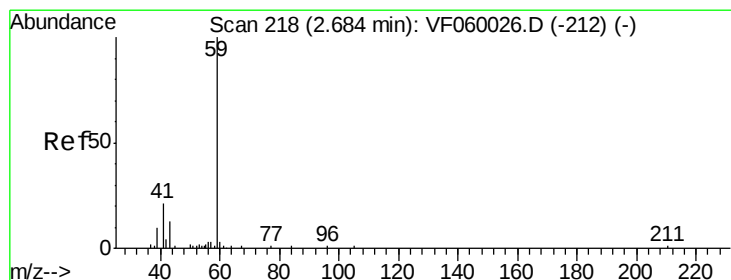
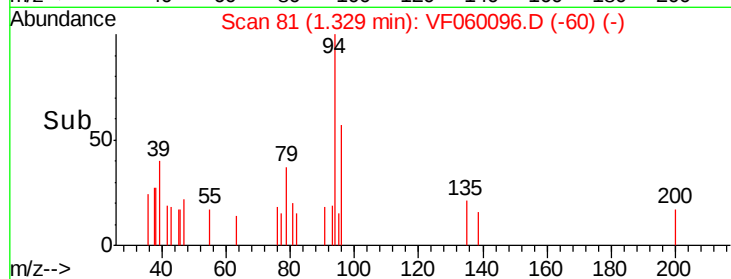
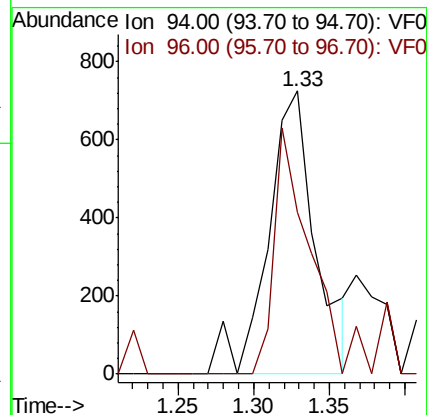
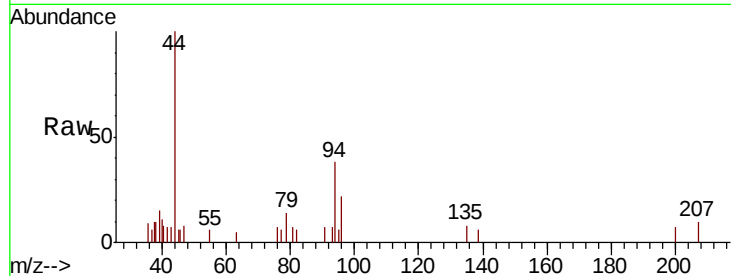
VF0824SBL01

Tot Ion: 94 Resp: 1598

Ion Ratio Lower Upper

94 100

96 57.2 78.6 118.0#



#11

Tert butyl alcohol

Concen: 3.16 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.00 min

Lab File: VF060096.D

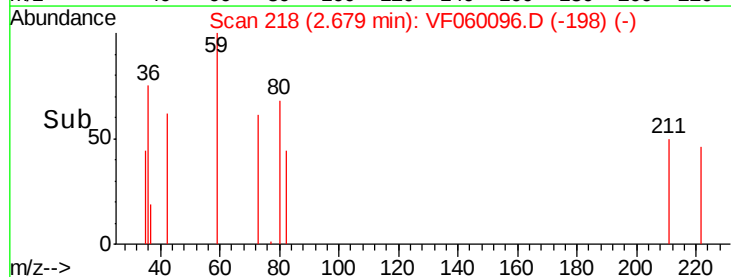
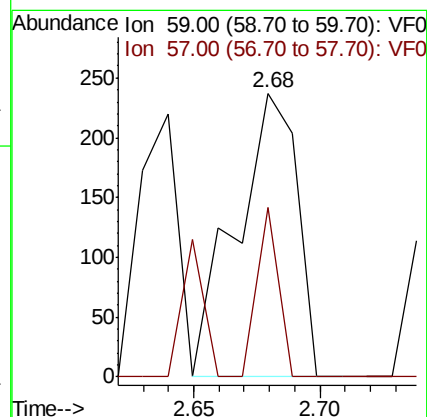
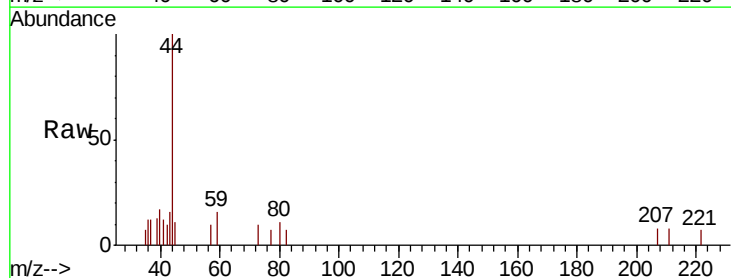
Acq: 24 Aug 2018 13:20

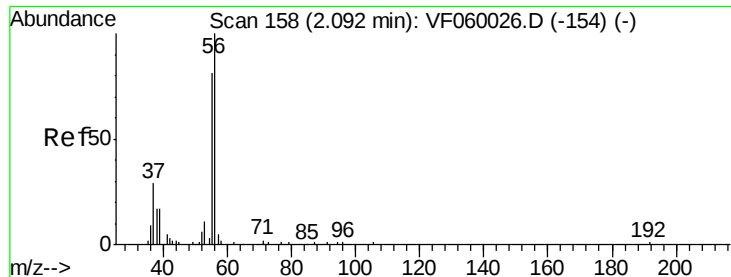
Tgt Ion: 59 Resp: 401

Ion Ratio Lower Upper

59 100

57 59.9 5.4 8.2#





#13

Acrolein

Concen: 27.20 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.09 min

Lab File: VF060096.D

Acq: 24 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

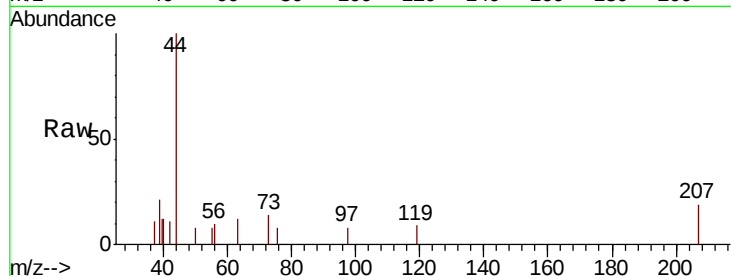
VF0824SBL01

Tot Ion: 56 Resp: 76

Ion Ratio Lower Upper

56 100

55 85.2 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.19

150

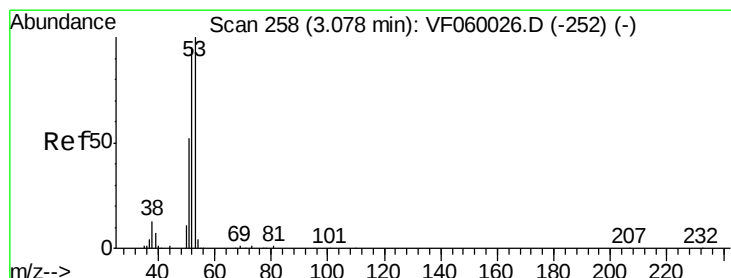
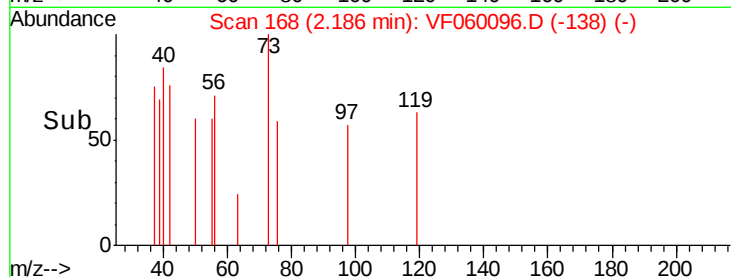
100

50

0

2.18 2.20

Time-->



#15

Acrylonitrile

Concen: 1.33 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060096.D

Acq: 24 Aug 2018 13:20

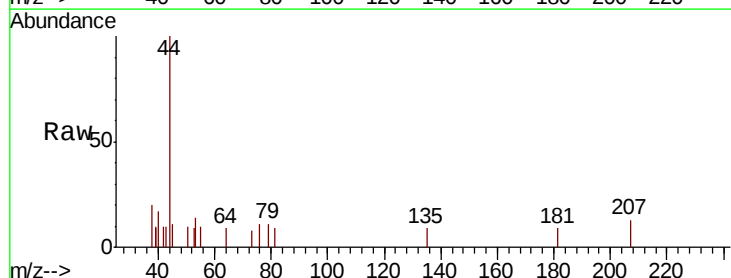
Tgt Ion: 53 Resp: 332

Ion Ratio Lower Upper

53 100

52 0.0 75.8 113.8#

51 0.0 42.1 63.1#



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

300

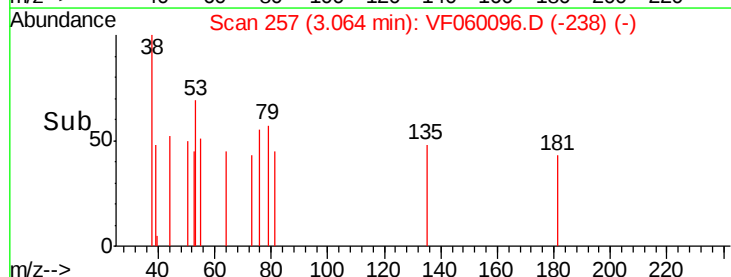
200

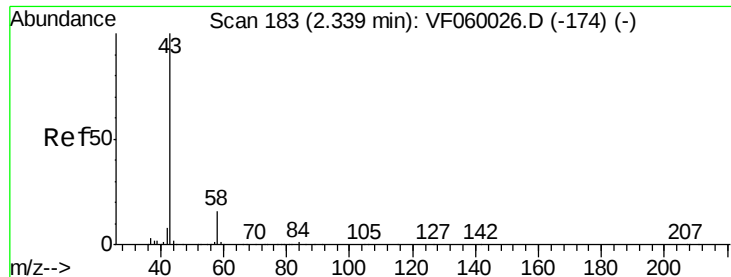
100

0

3.00 3.02 3.04 3.06 3.08

Time-->

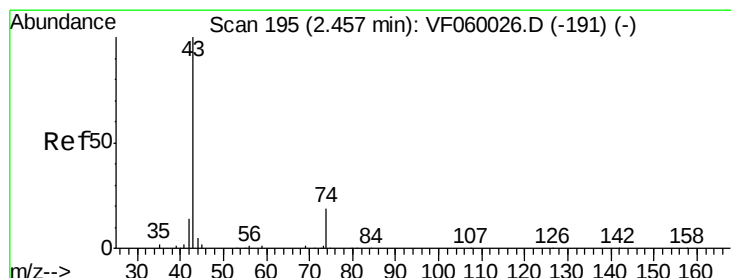
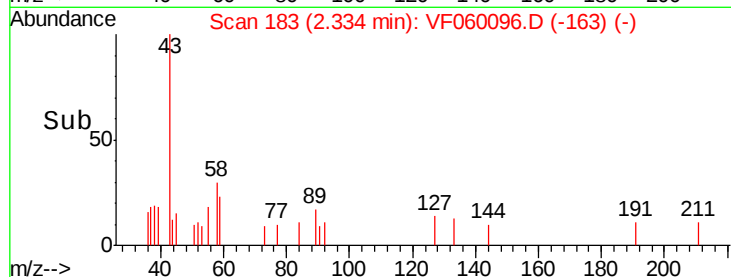
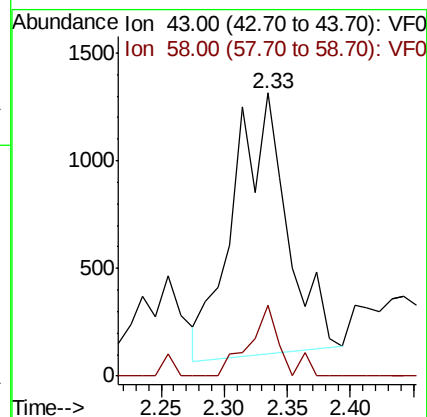
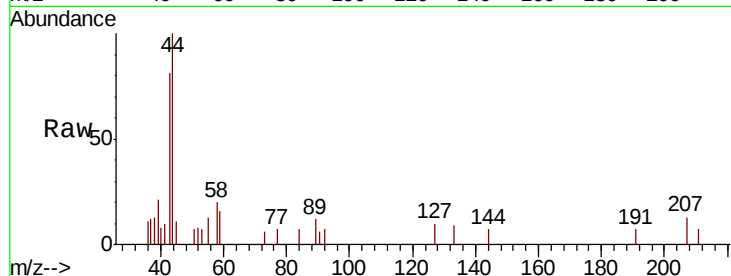




#16
Acetone
Concen: 5.74 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF060096.D
Acq: 24 Aug 2018 13:20

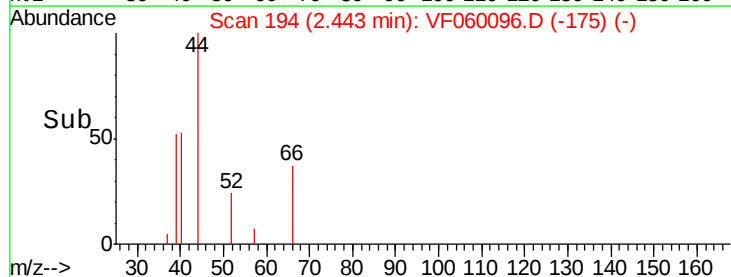
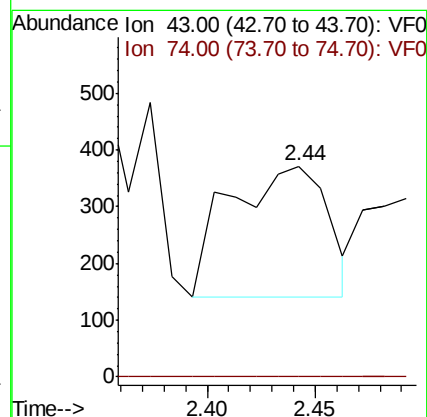
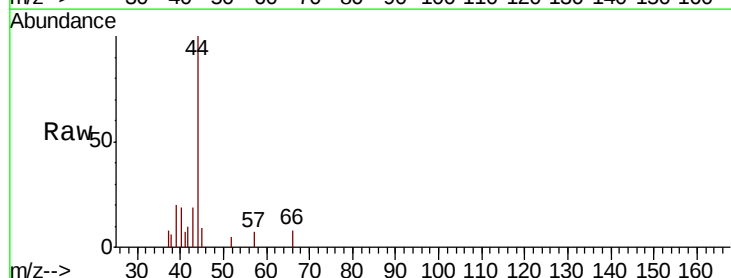
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBL01

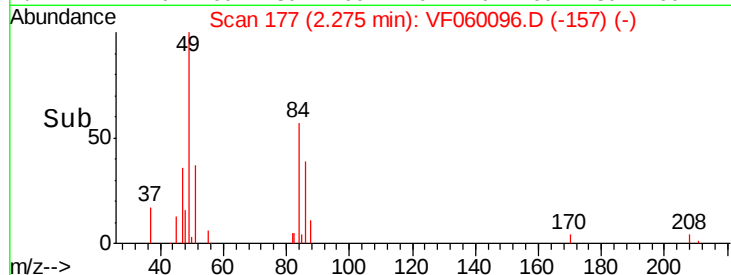
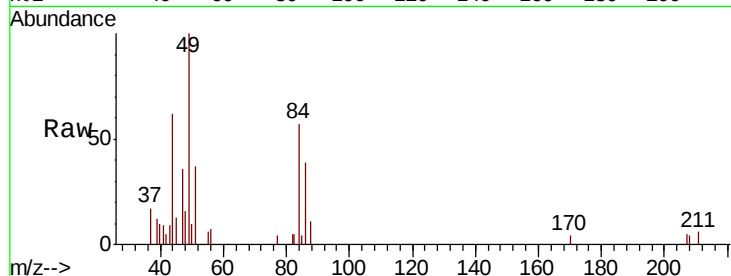
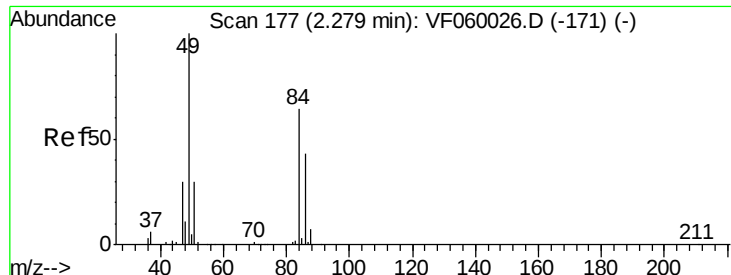
Tot Ion: 43 Resp: 3602
Ion Ratio Lower Upper
43 100
58 25.2 12.6 19.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060096.D
Acq: 24 Aug 2018 13:20

Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#

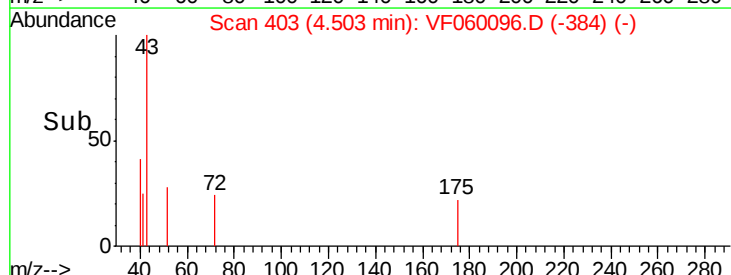
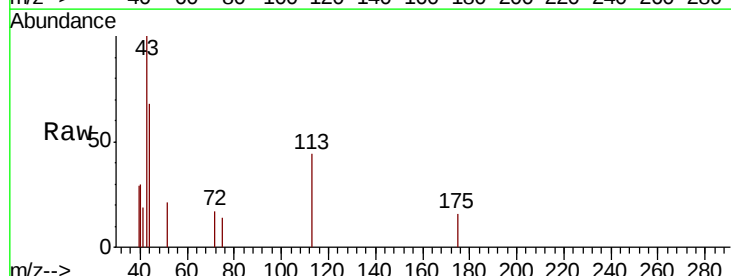
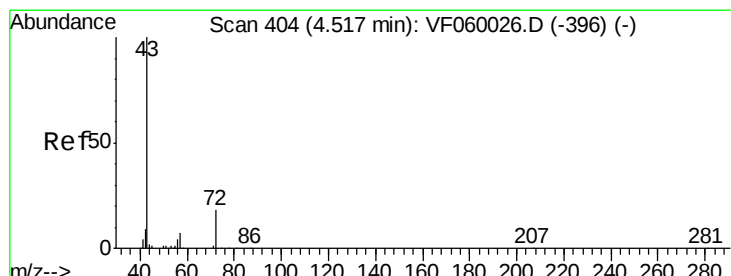
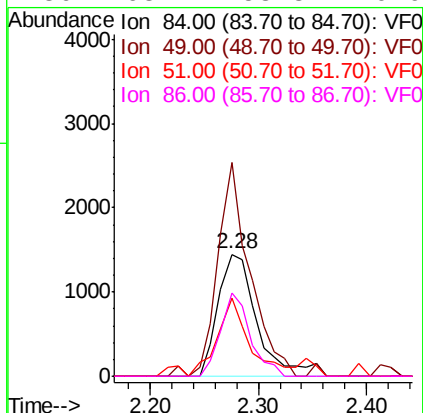




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060096.D
Acq: 24 Aug 2018 13:20

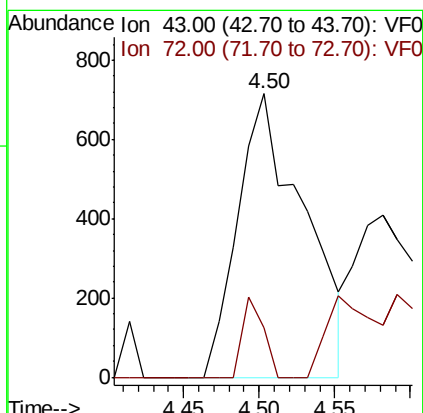
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBL01

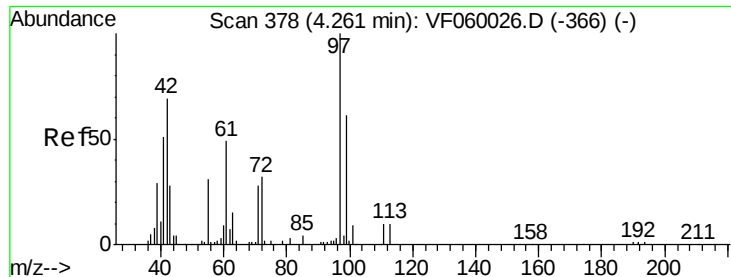
Tot Ion: 84 Resp: 3627
Ion Ratio Lower Upper
84 100
49 175.4 125.4 188.0
51 64.4 38.3 57.5#
86 68.2 53.3 79.9



#25
2-Butanone
Concen: 2.68 ug/l
RT: 4.50 min Scan# 403
Delta R.T. -0.01 min
Lab File: VF060096.D
Acq: 24 Aug 2018 13:20

Tgt Ion: 43 Resp: 2183
Ion Ratio Lower Upper
43 100
72 17.5 15.0 22.6

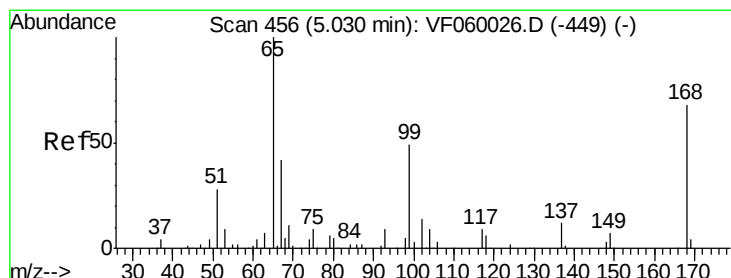
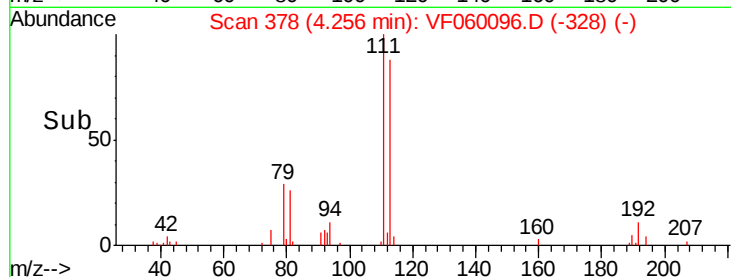
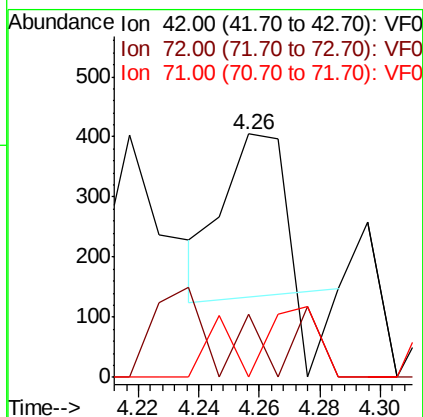
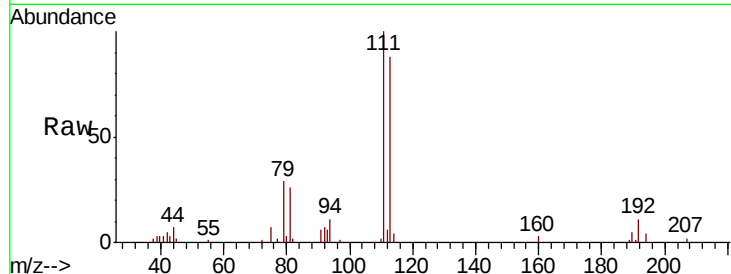




#29
Tetrahydrofuran
Concen: 1.03 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF060096.D
Acq: 24 Aug 2018 13:20

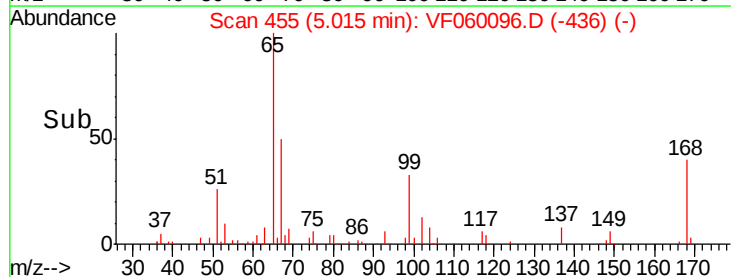
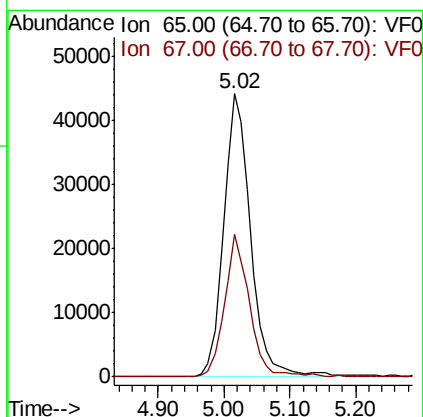
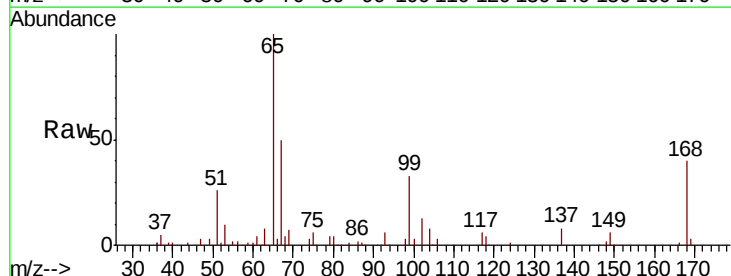
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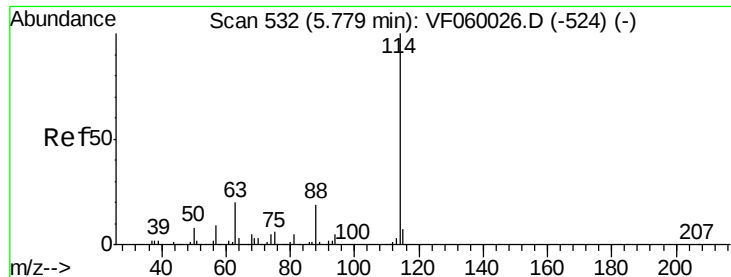
Tot Ion: 42 Resp: 317
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.2#
71 60.6 29.7 44.5#



#33
1,2-Dichloroethane-d4
Concen: 52.92 ug/l
RT: 5.02 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF060096.D
Acq: 24 Aug 2018 13:20

Tgt Ion: 65 Resp: 126265
Ion Ratio Lower Upper
65 100
67 50.5 0.0 92.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060096.D

Acq: 24 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBL01

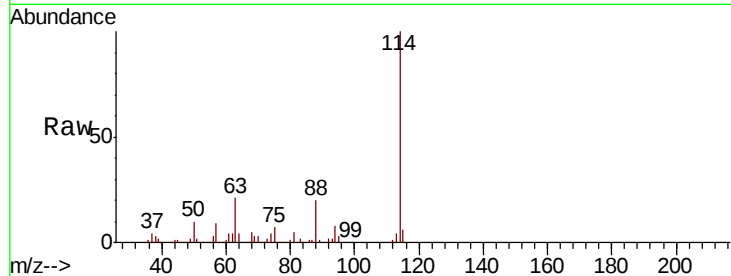
Tot Ion:114 Resp: 273644

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.4

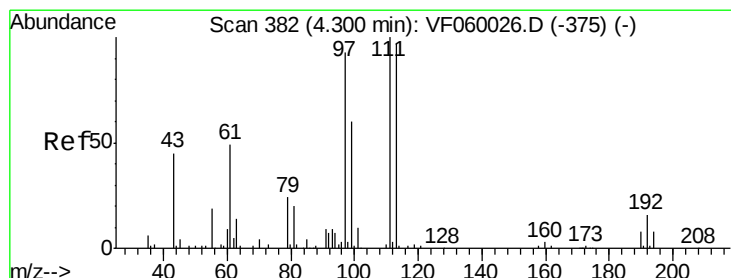
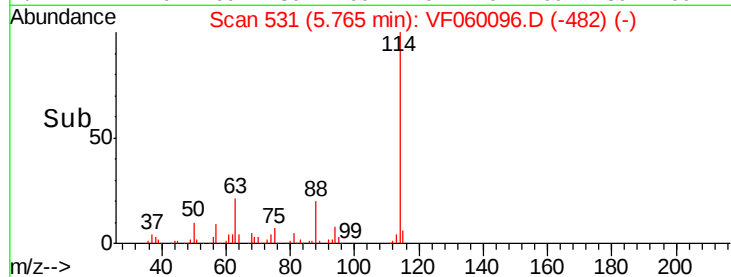
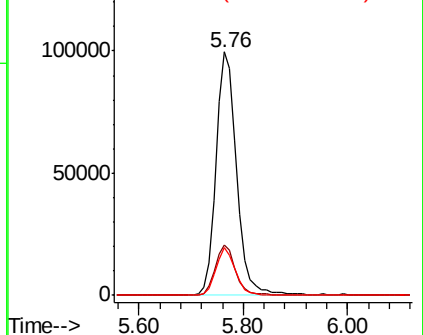
88 19.7 0.0 38.6



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: 55.19 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060096.D

Acq: 24 Aug 2018 13:20

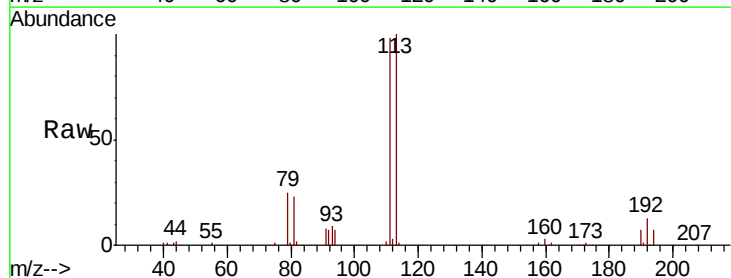
Tgt Ion:113 Resp: 118597

Ion Ratio Lower Upper

113 100

111 97.9 82.7 124.1

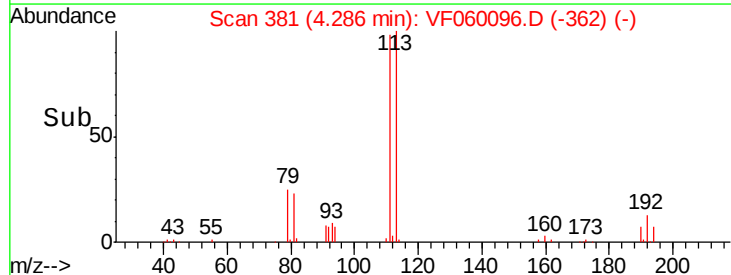
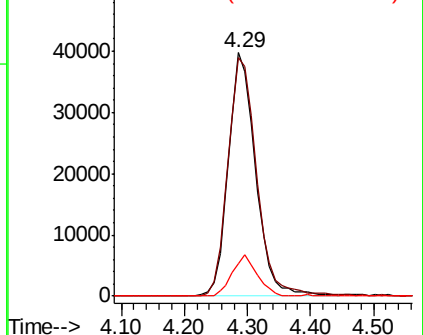
192 13.2 13.0 19.4

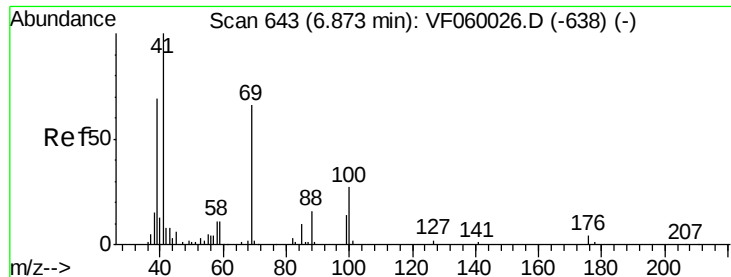


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 6.02 ug/l

RT: 6.88 min Scan# 644

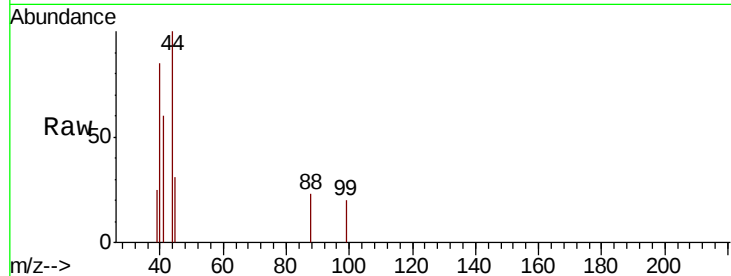
Delta R.T. 0.01 min

Lab File: VF060096.D

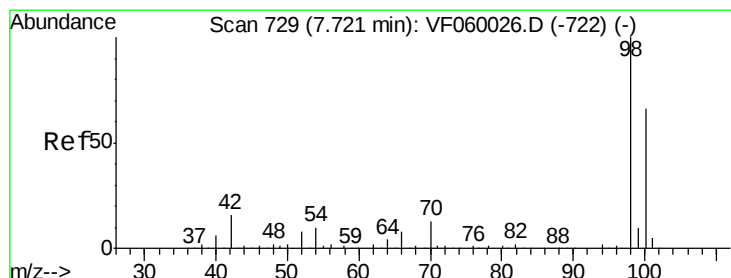
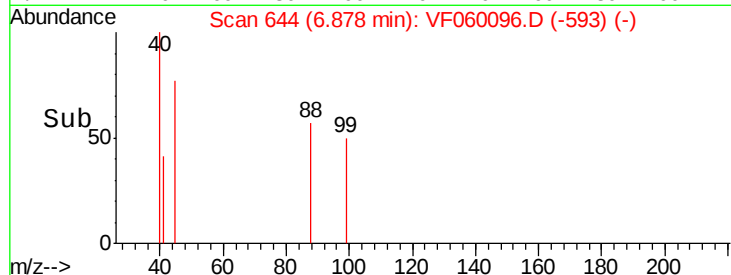
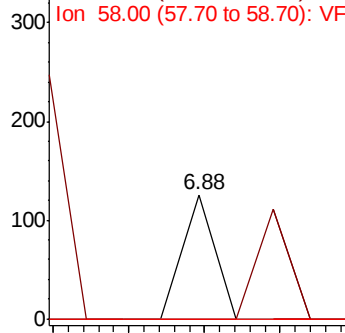
Acq: 24 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBL01

Tot Ion:	88	Resp:	74
Ion	Ratio	Lower	Upper
88	100		
43	0.0	46.5	69.7#
58	0.0	54.8	82.2#



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: 51.02 ug/l

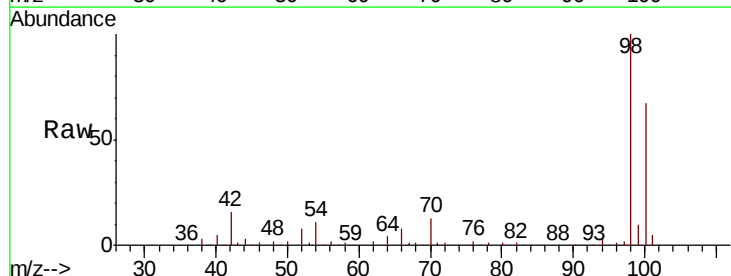
RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

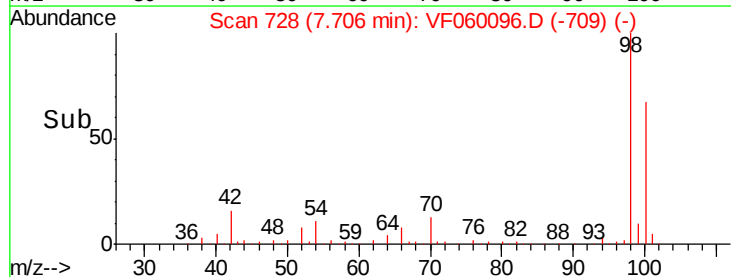
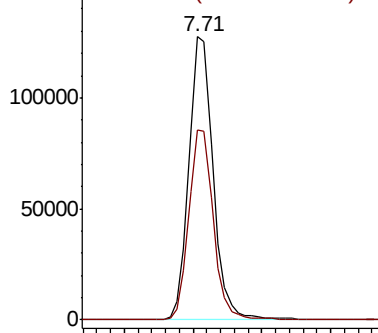
Lab File: VF060096.D

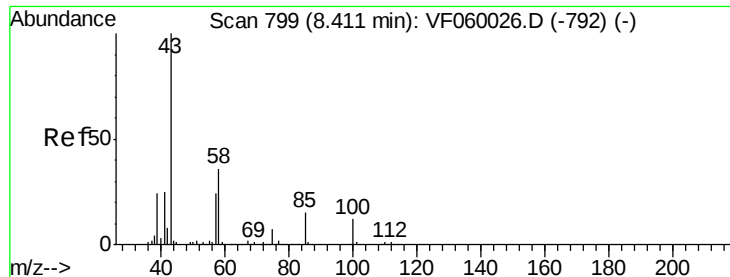
Acq: 24 Aug 2018 13:20

Tgt Ion:	98	Resp:	311342
Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.2	79.8



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: 4.32 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060096.D

Acq: 24 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

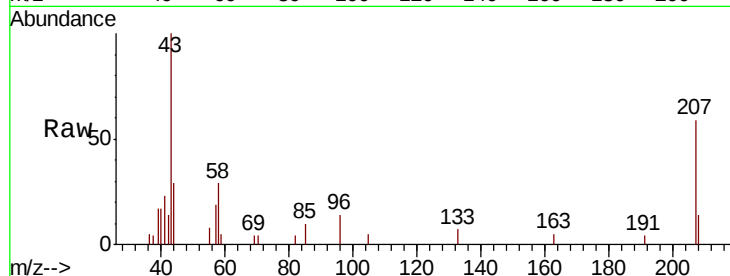
VF0824SBL01

Tot Ion: 43 Resp: 7216

Ion Ratio Lower Upper

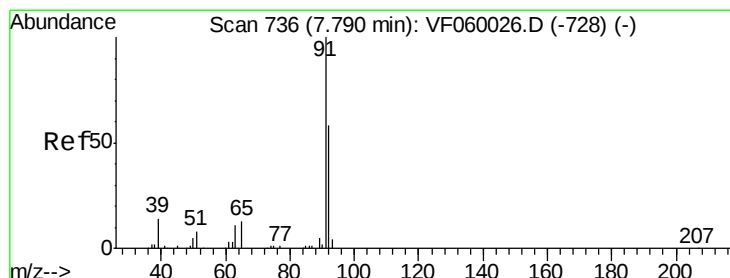
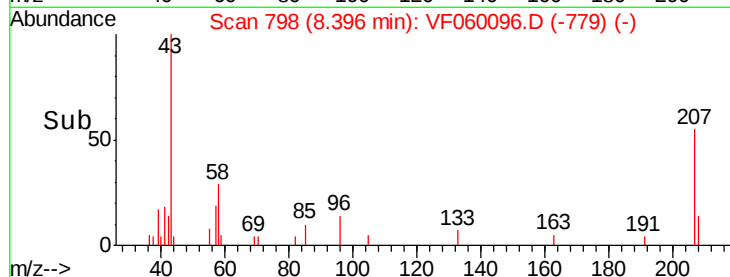
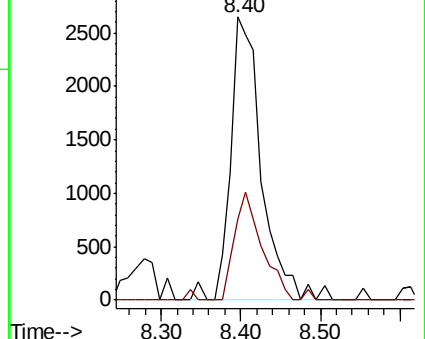
43 100

58 28.5 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060096.D

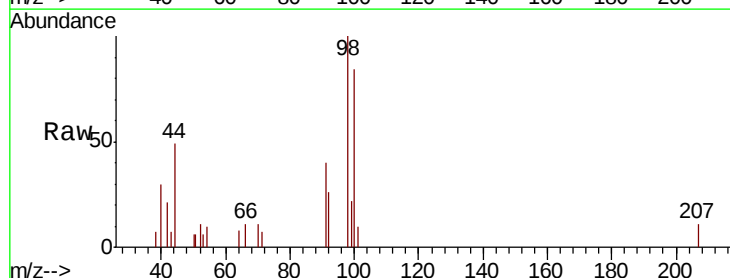
Acq: 24 Aug 2018 13:20

Tgt Ion: 92 Resp: 1001

Ion Ratio Lower Upper

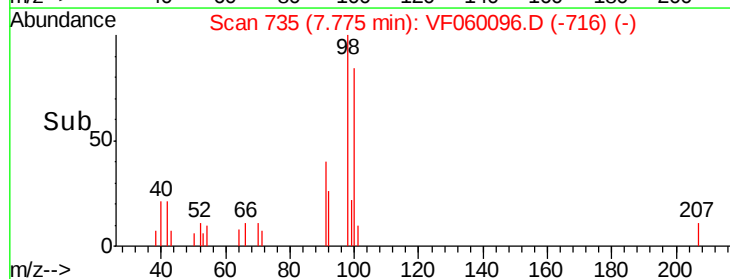
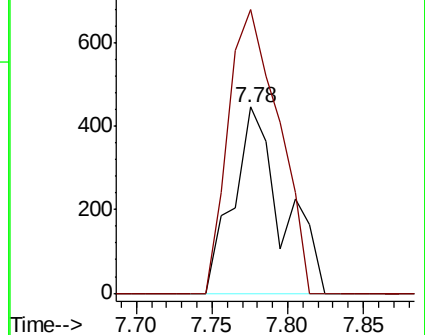
92 100

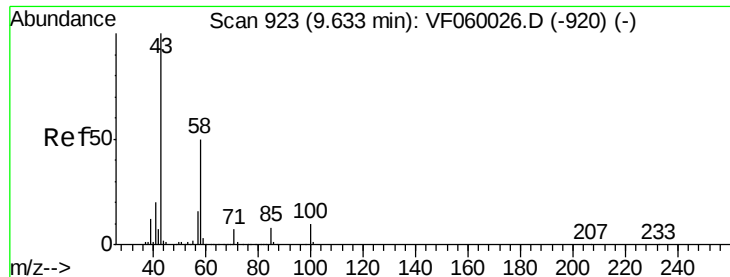
91 152.5 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

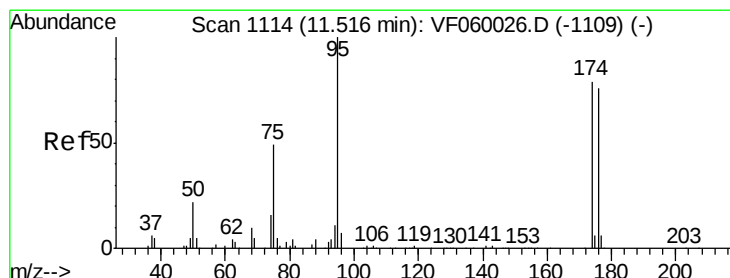
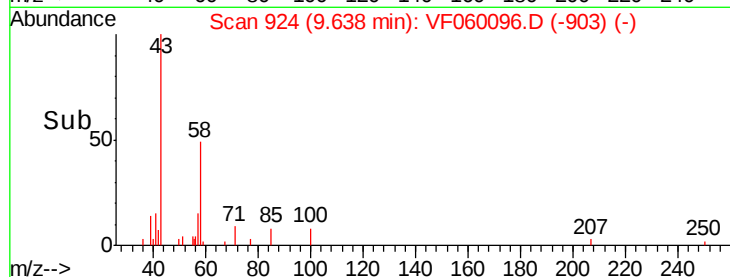
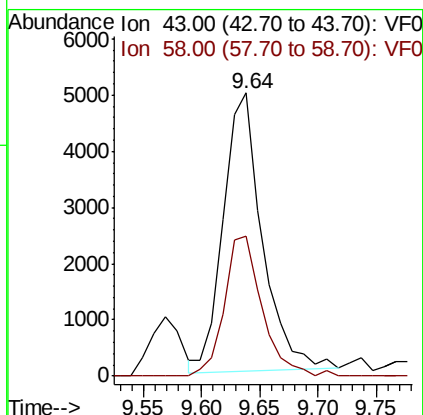
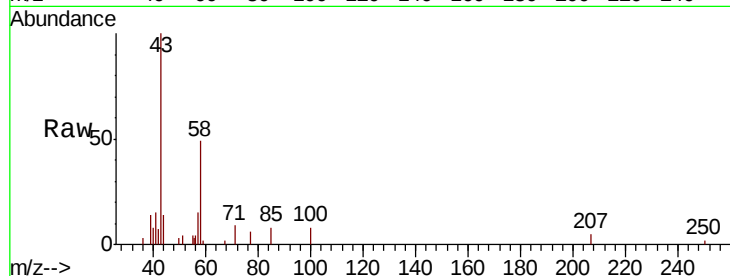




#59
2-Hexanone
Concen: 8.49 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF060096.D
Acq: 24 Aug 2018 13:20

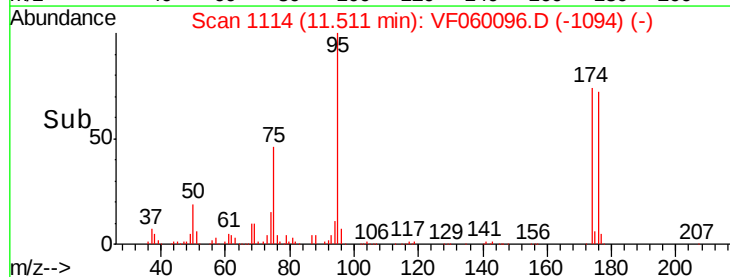
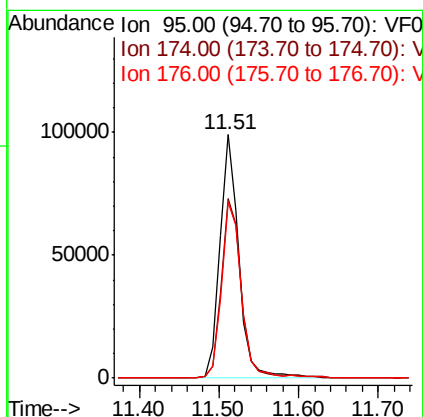
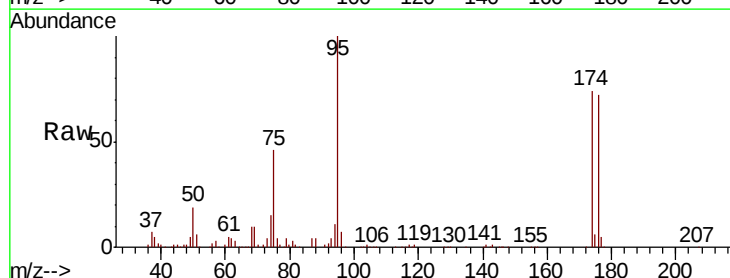
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBL01

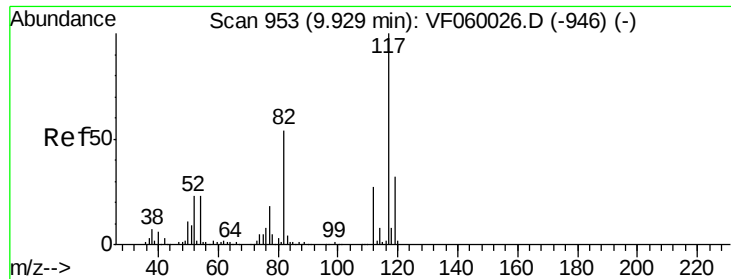
Tot Ion: 43 Resp: 11486
Ion Ratio Lower Upper
43 100
58 49.4 23.4 70.2



#62
4-Bromofluorobenzene
Concen: 51.64 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VF060096.D
Acq: 24 Aug 2018 13:20

Tgt Ion: 95 Resp: 166700
Ion Ratio Lower Upper
95 100
174 73.6 0.0 158.4
176 72.1 0.0 153.0

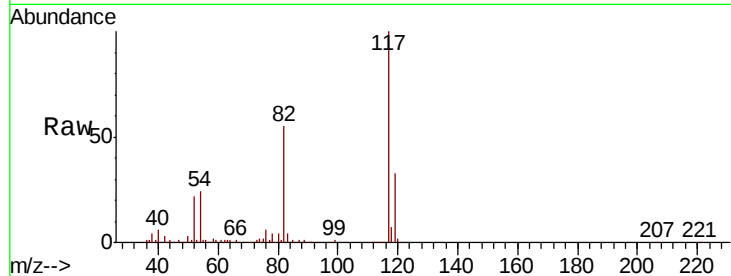




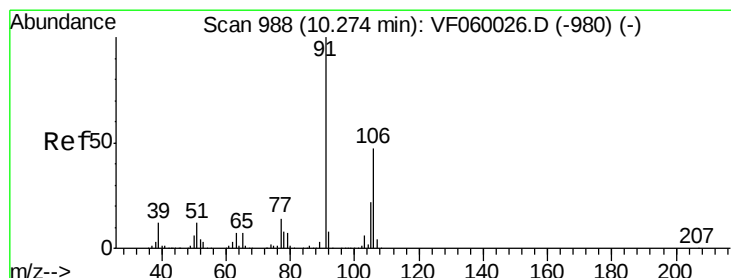
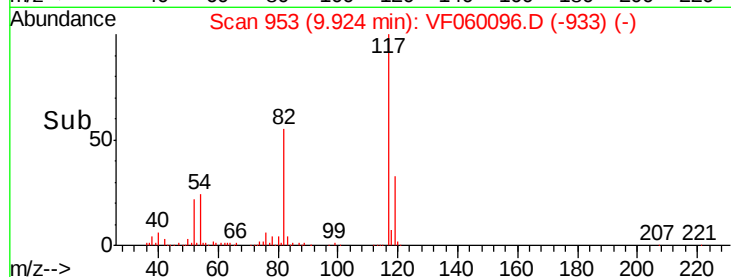
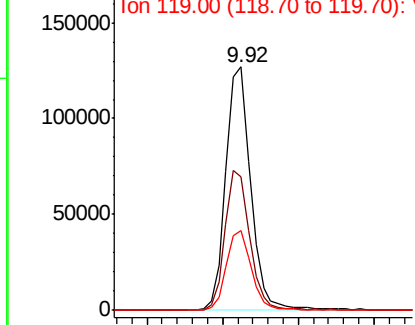
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF060096.D
Acq: 24 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBL01

Tot Ion:117 Resp: 291129
Ion Ratio Lower Upper
117 100
82 55.0 43.6 65.4
119 32.7 25.6 38.4

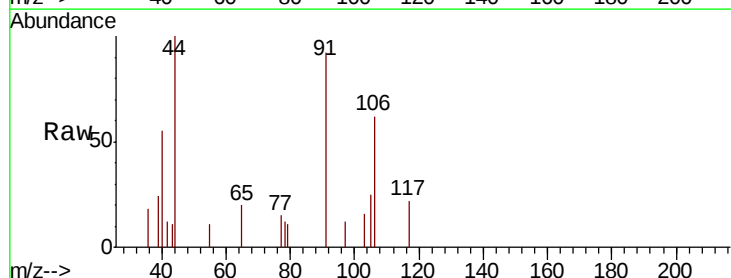


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

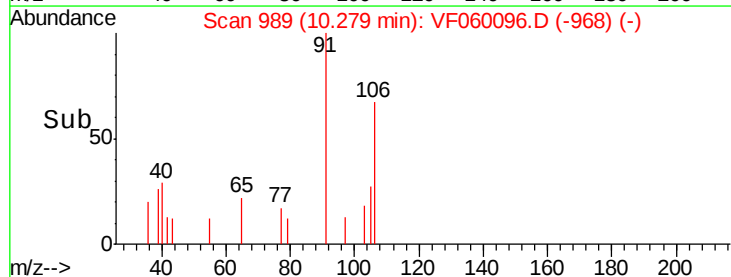
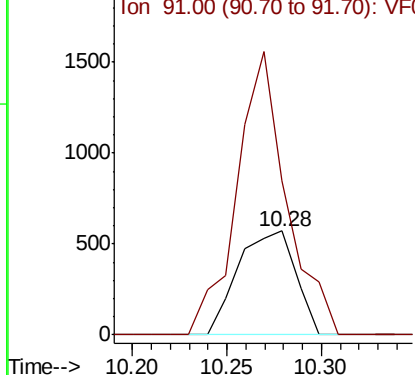


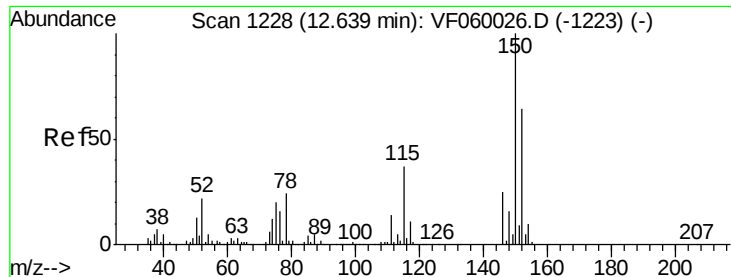
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF060096.D
Acq: 24 Aug 2018 13:20

Tgt Ion:106 Resp: 1203
Ion Ratio Lower Upper
106 100
91 148.3 171.8 257.8#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF060096.D

Acq: 24 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBL01

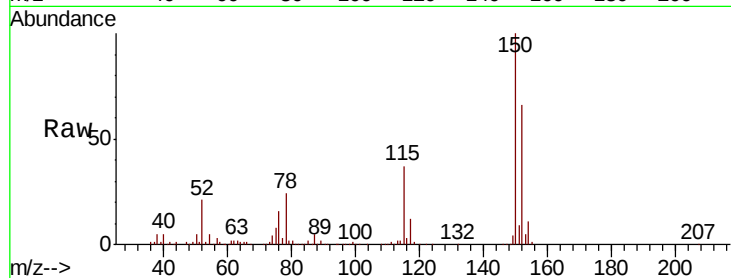
Tot Ion:152 Resp: 181719

Ion Ratio Lower Upper

152 100

115 56.5 28.6 85.9

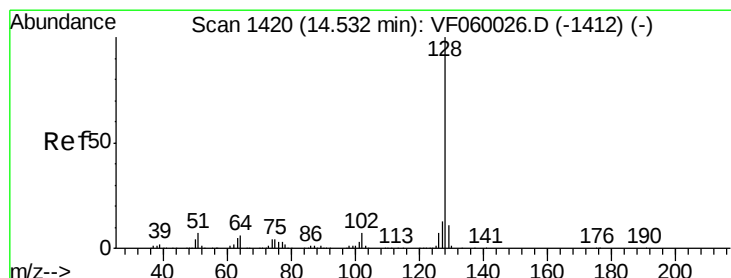
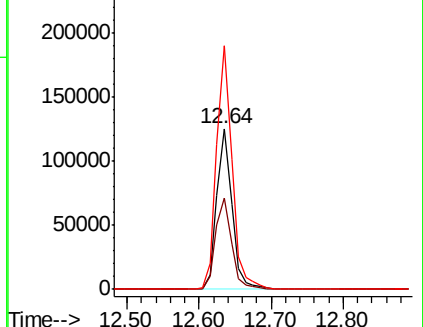
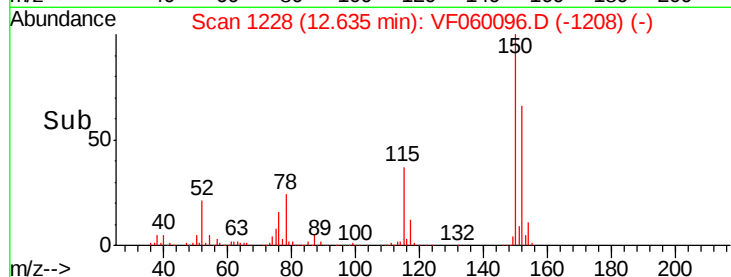
150 151.6 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene

Concen: 2.91 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF060096.D

Acq: 24 Aug 2018 13:20

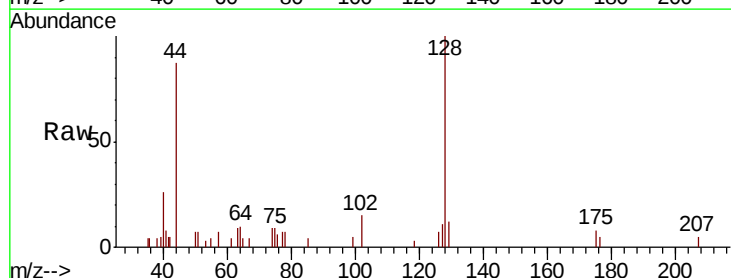
Tgt Ion:128 Resp: 4389

Ion Ratio Lower Upper

128 100

127 11.5 10.4 15.6

129 12.4 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

