

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021819\
 Data File : VF061671.D
 Acq On : 18 Feb 2019 11:33
 Operator : VA/AP
 Sample : VF0218SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBL01

Quant Time: Feb 19 01:55:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	322579	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	496255	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	409917	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	255046	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	128602	54.37	ug/l	-0.01
Spiked Amount			Recovery	=	108.74%	
35) Dibromofluoromethane	4.12	113	204604	55.52	ug/l	0.00
Spiked Amount			Recovery	=	111.04%	
50) Toluene-d8	7.56	98	530147	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.42	95	224638	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	

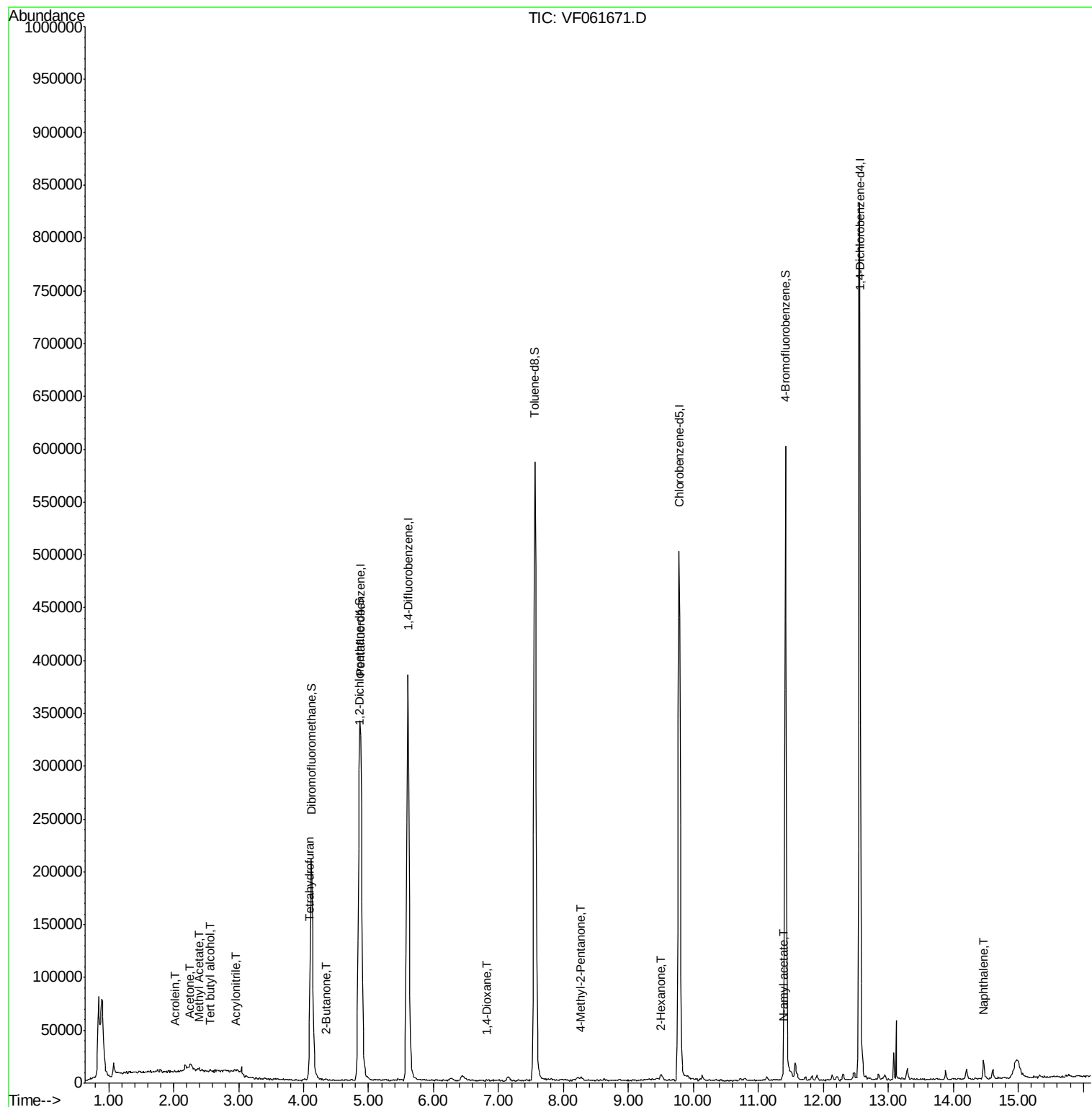
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	410	2.995	ug/l #	1
13) Acrolein	2.01	56	826	4.801	ug/l #	68
15) Acrylonitrile	2.95	53	1491	3.070	ug/l #	48
16) Acetone	2.25	43	4879	9.613	ug/l #	76
18) Methyl Acetate	2.39	43	4511	3.945	ug/l #	59
20) Methylene Chloride	2.19	84	2903	Below Cal	#	97
25) 2-Butanone	4.34	43	1684	1.519	ug/l #	55
29) Tetrahydrofuran	4.09	42	1012	2.008	ug/l #	54
49) 1,4-Dioxane	6.81	88	69	4.513	ug/l #	1
51) 4-Methyl-2-Pentanone	8.27	43	3117	1.614	ug/l #	74
59) 2-Hexanone	9.50	43	5735	4.236	ug/l	87
74) N-amyl acetate	11.38	43	5351	1.228	ug/l #	90
95) Naphthalene	14.46	128	12956	1.242	ug/l #	94

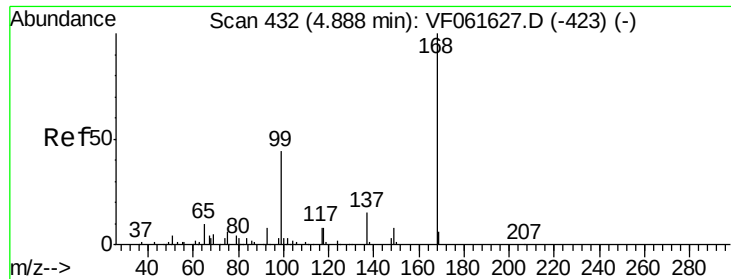
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF021819\
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Quant Time: Feb 19 01:55:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061671.D

Acq: 18 Feb 2019 11:33

Instrument :

MSVOA_F

ClientSampleId :

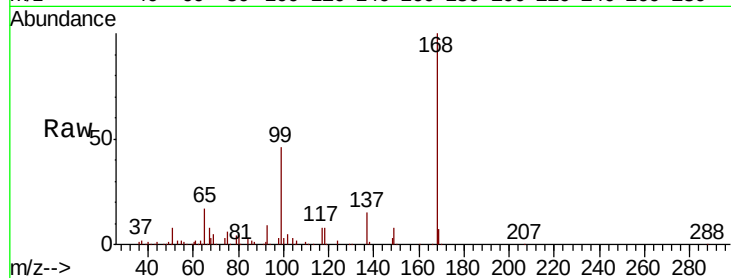
VF0218SBL01

Tgt Ion:168 Resp: 322579

Ion Ratio Lower Upper

168 100

99 45.9 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

120000

100000

80000

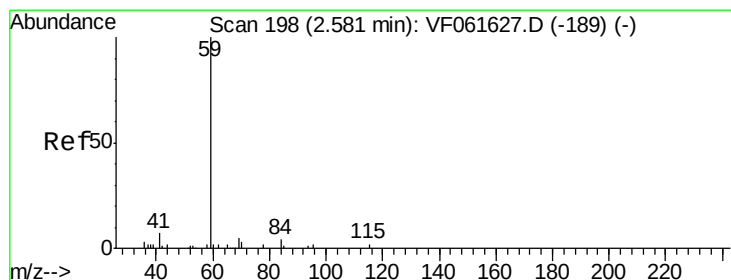
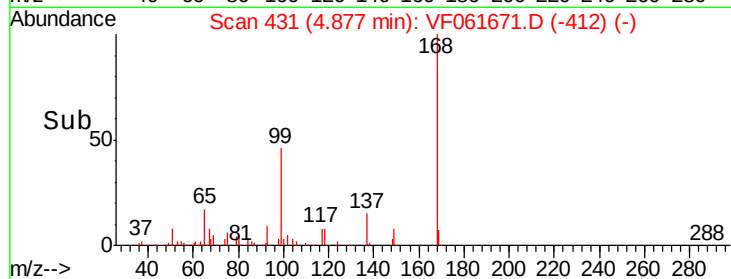
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.995 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061671.D

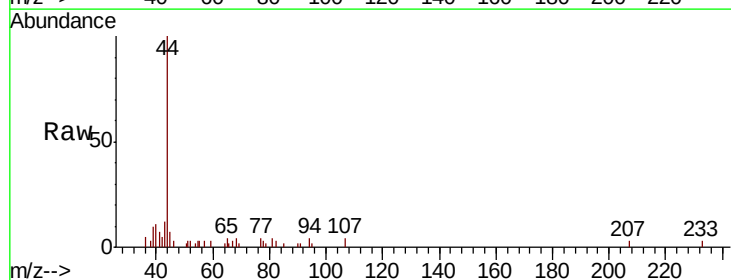
Acq: 18 Feb 2019 11:33

Tgt Ion: 59 Resp: 410

Ion Ratio Lower Upper

59 100

57 105.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

250

200

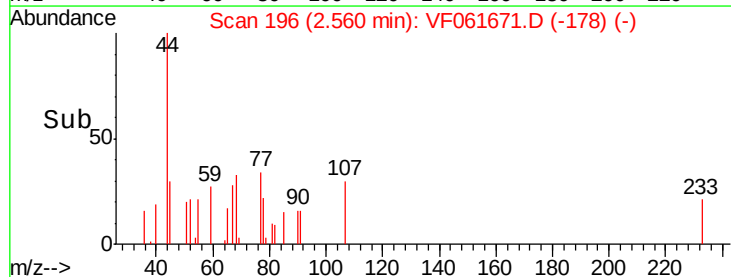
150

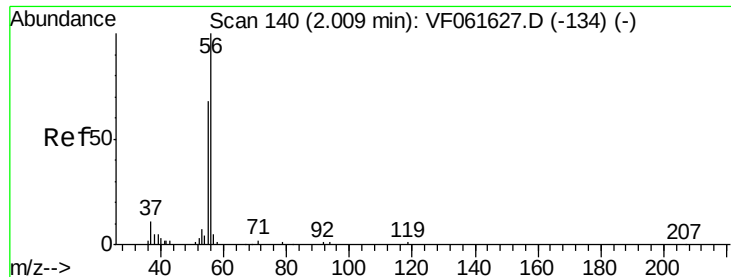
100

50

0

Time-->





#13

Acrolein

Concen: 4.801 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061671.D

Acq: 18 Feb 2019 11:33

Instrument :

MSVOA_F

ClientSampleId :

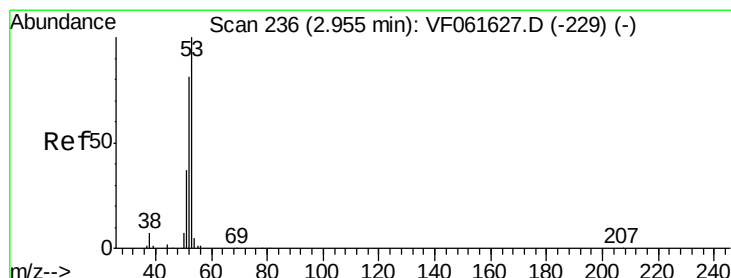
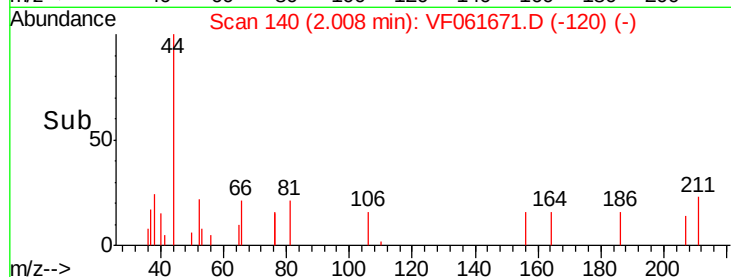
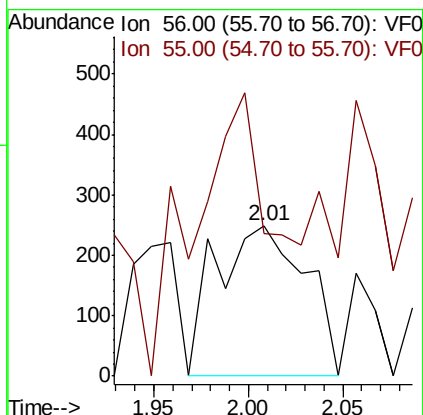
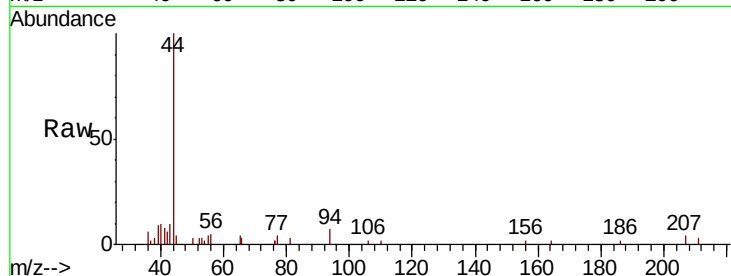
VF0218SBL01

Tgt Ion: 56 Resp: 826

Ion Ratio Lower Upper

56 100

55 95.2 55.0 82.6#



#15

Acrylonitrile

Concen: 3.070 ug/l

RT: 2.95 min Scan# 236

Delta R.T. -0.00 min

Lab File: VF061671.D

Acq: 18 Feb 2019 11:33

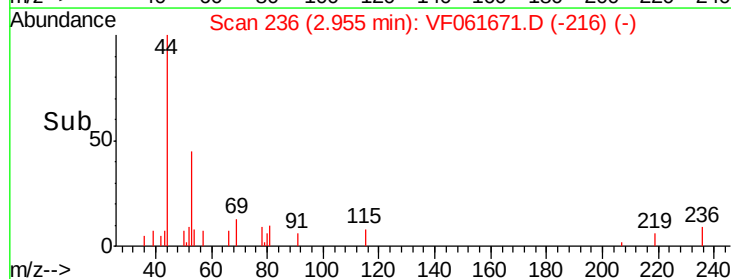
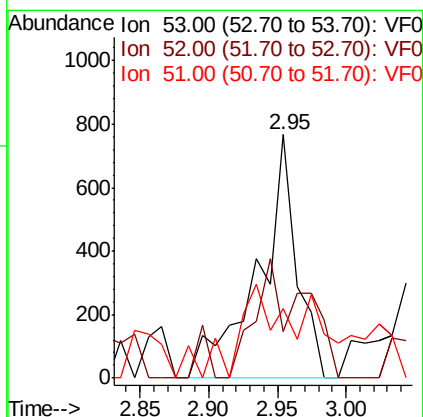
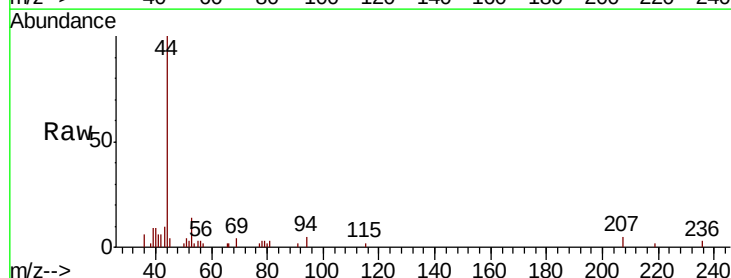
Tgt Ion: 53 Resp: 1491

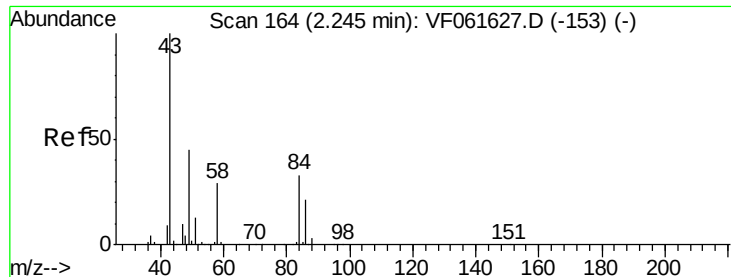
Ion Ratio Lower Upper

53 100

52 19.3 64.6 97.0#

51 28.7 29.8 44.8#





#16

Acetone

Concen: 9.613 ug/l

RT: 2.25 min Scan# 165

Delta R.T. 0.01 min

Lab File: VF061671.D

Acq: 18 Feb 2019 11:33

Instrument :

MSVOA_F

ClientSampleId :

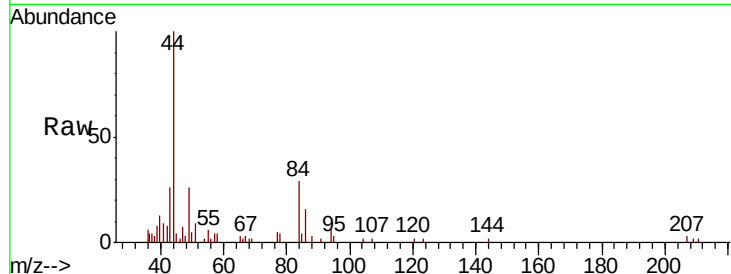
VF0218SBL01

Tgt Ion: 43 Resp: 4879

Ion Ratio Lower Upper

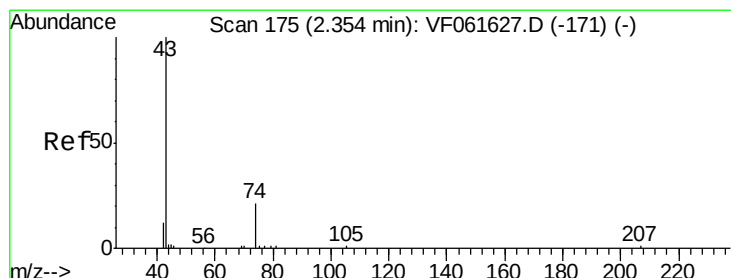
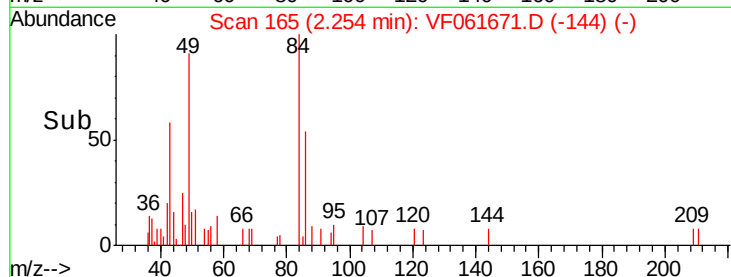
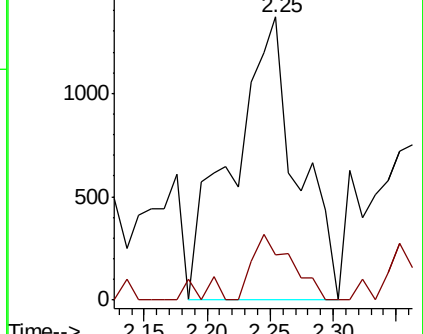
43 100

58 15.9 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 3.945 ug/l

RT: 2.39 min Scan# 179

Delta R.T. 0.04 min

Lab File: VF061671.D

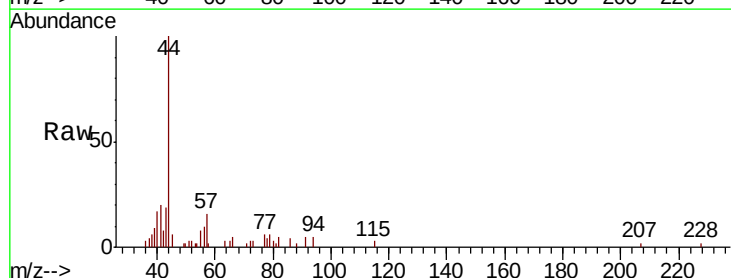
Acq: 18 Feb 2019 11:33

Tgt Ion: 43 Resp: 4511

Ion Ratio Lower Upper

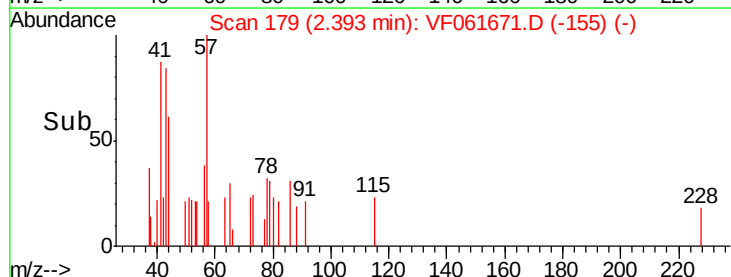
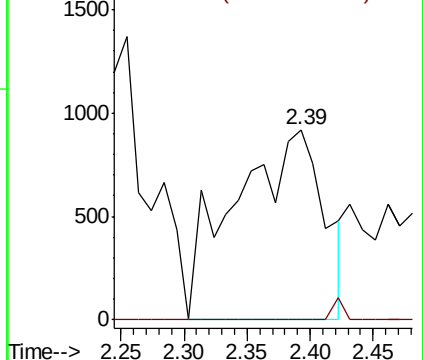
43 100

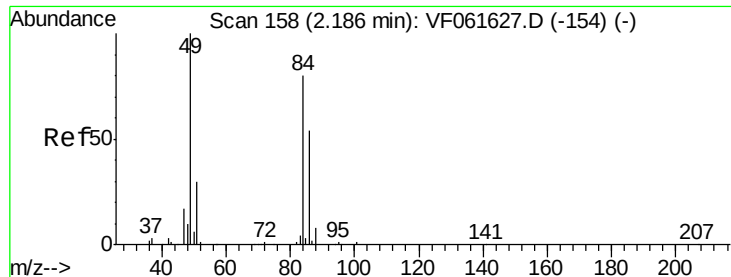
74 0.0 14.6 21.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

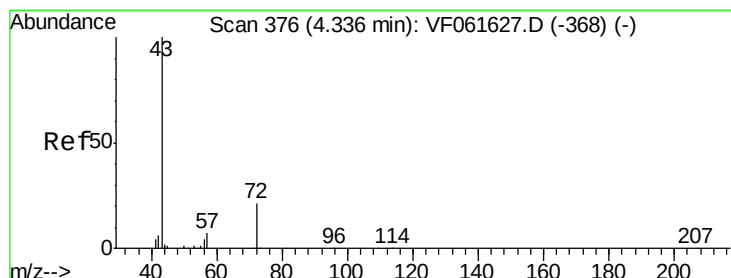
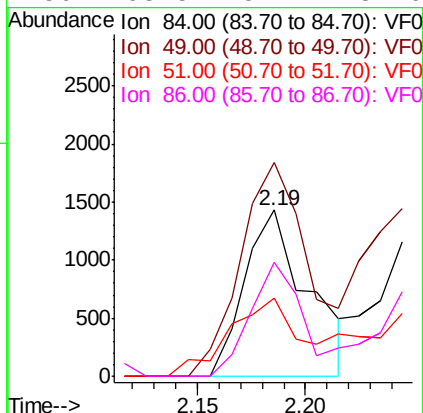
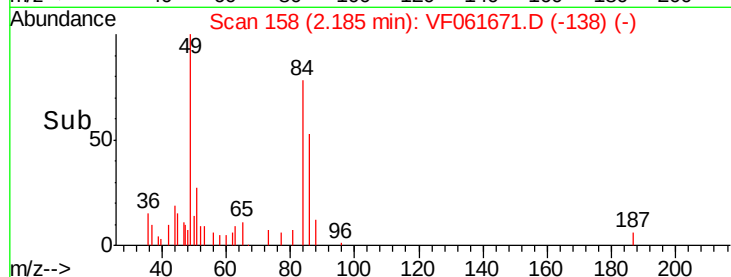
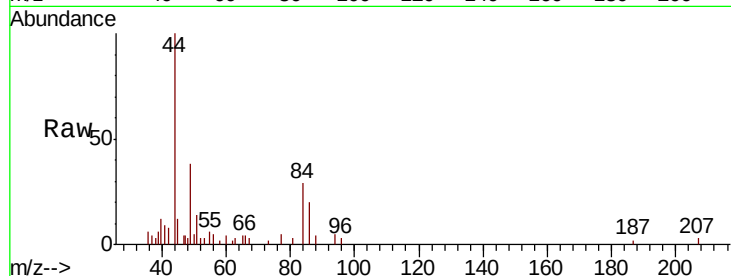




#20
Methylene Chloride
Concen: Below Cal
RT: 2.19 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF061671.D
Acq: 18 Feb 2019 11:33

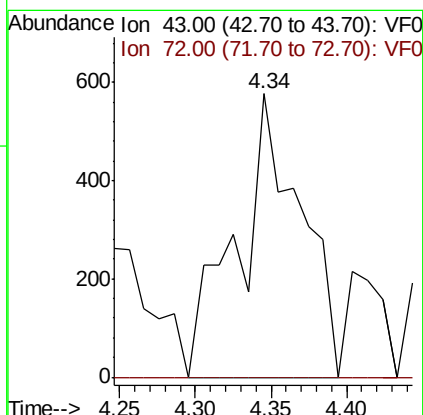
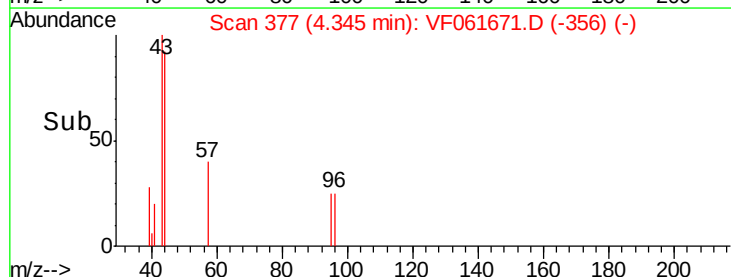
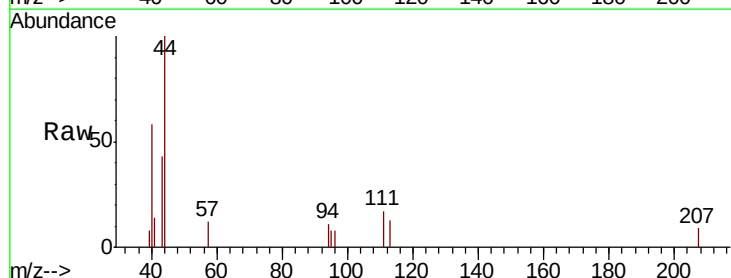
Instrument :
MSVOA_F
ClientSampleId :
VF0218SBL01

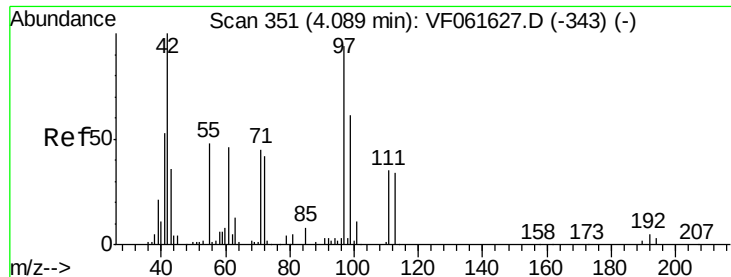
Tgt Ion: 84 Resp: 2903
Ion Ratio Lower Upper
84 100
49 128.7 101.8 152.8
51 47.4 31.1 46.7#
86 68.5 54.4 81.6



#25
2-Butanone
Concen: 1.519 ug/l
RT: 4.34 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF061671.D
Acq: 18 Feb 2019 11:33

Tgt Ion: 43 Resp: 1684
Ion Ratio Lower Upper
43 100
72 0.0 17.1 25.7#

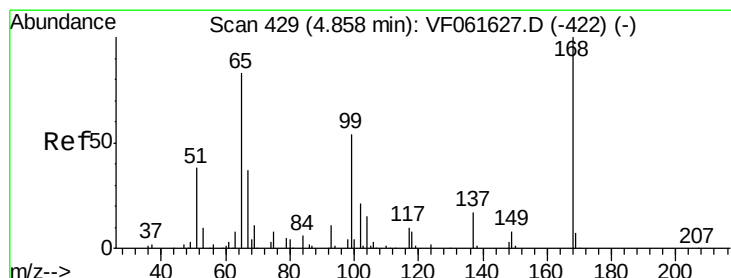
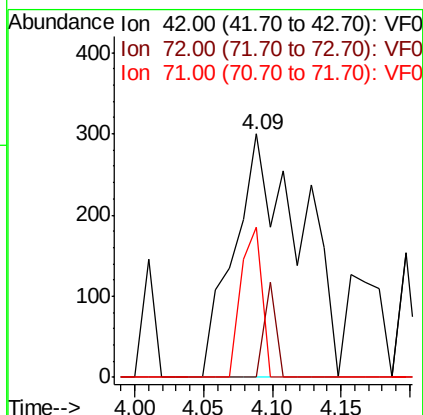
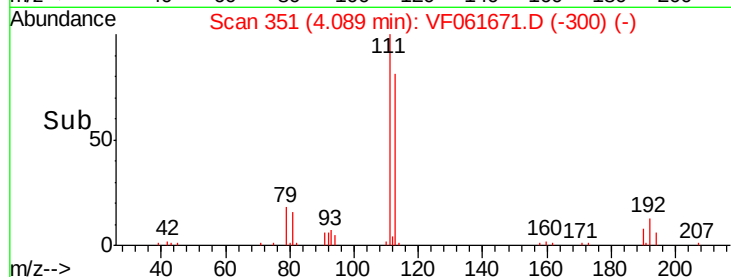
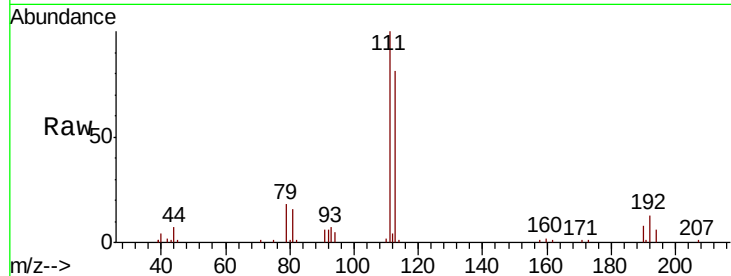




#29
Tetrahydrofuran
Concen: 2.008 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.00 min
Lab File: VF061671.D
Acq: 18 Feb 2019 11:33

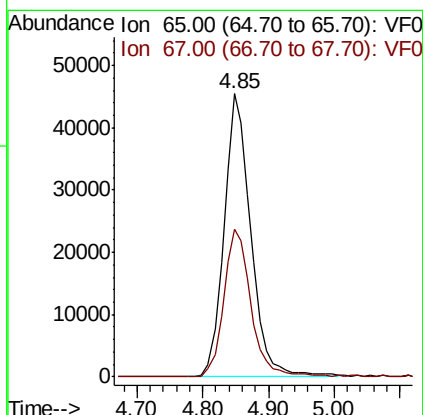
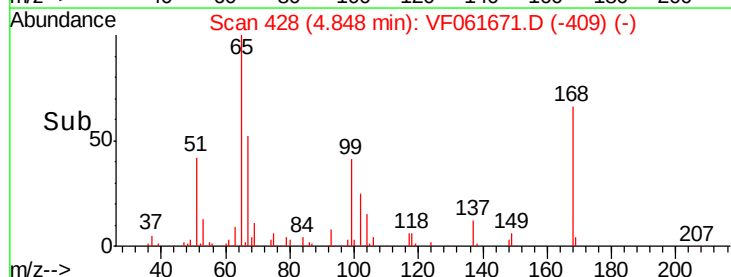
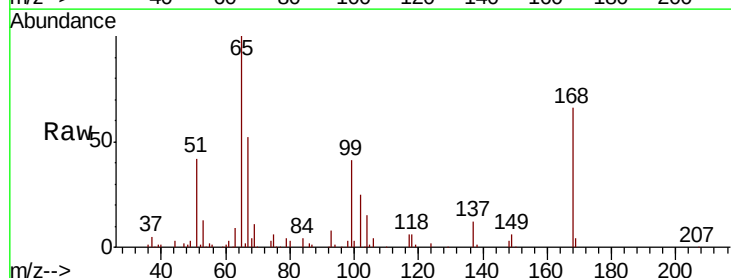
Instrument :
MSVOA_F
ClientSampleId :
VF0218SBL01

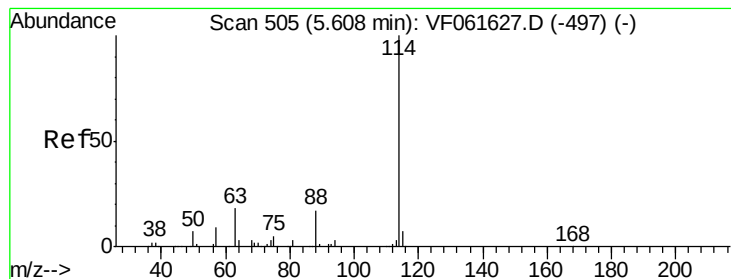
Tgt Ion: 42 Resp: 1012
Ion Ratio Lower Upper
42 100
72 6.9 35.2 52.8#
71 19.4 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 54.365 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.01 min
Lab File: VF061671.D
Acq: 18 Feb 2019 11:33

Tgt Ion: 65 Resp: 128602
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.00 min

Lab File: VF061671.D

Acq: 18 Feb 2019 11:33

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBL01

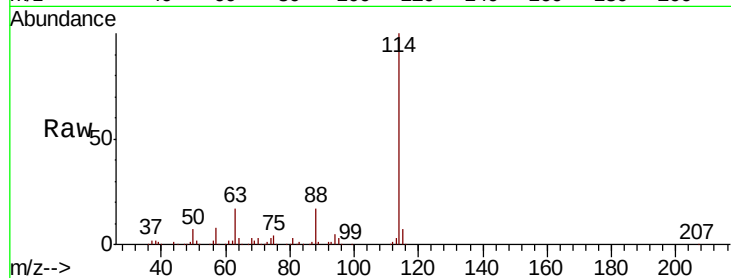
Tgt Ion:114 Resp: 496255

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

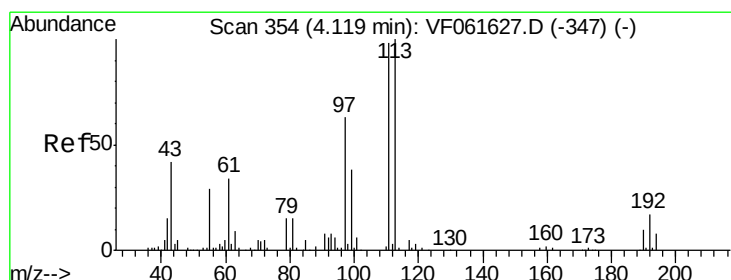
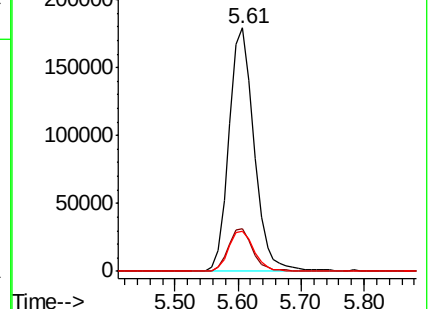
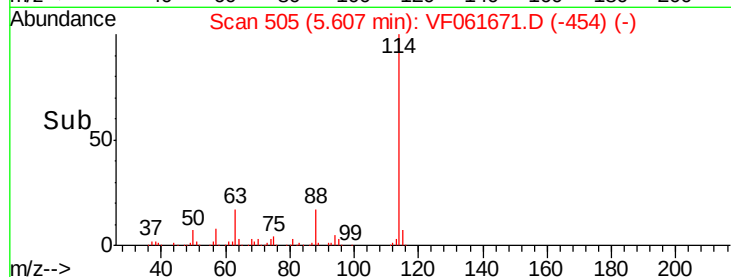
88 16.6 0.0 34.4



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: 55.520 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061671.D

Acq: 18 Feb 2019 11:33

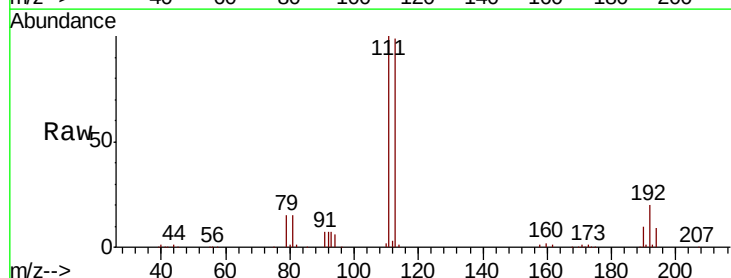
Tgt Ion:113 Resp: 204604

Ion Ratio Lower Upper

113 100

111 101.2 78.8 118.2

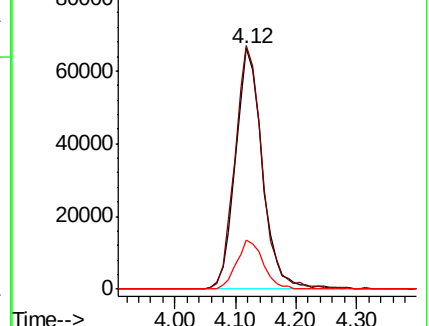
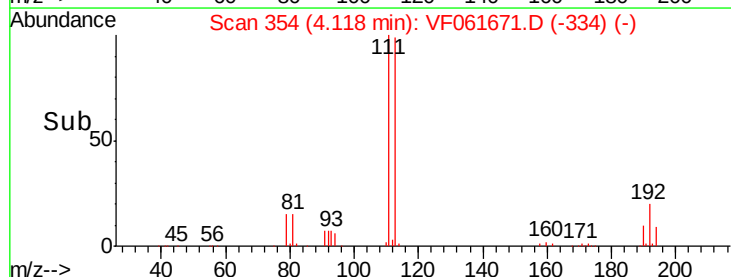
192 20.7 13.4 20.0#

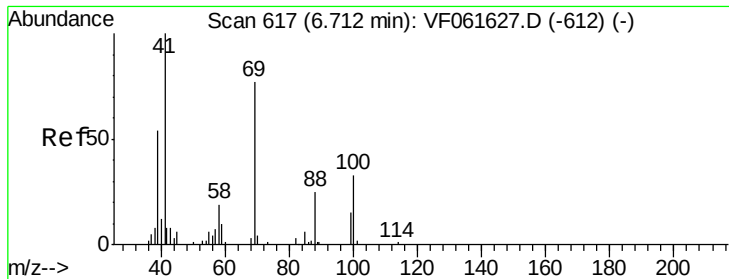


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

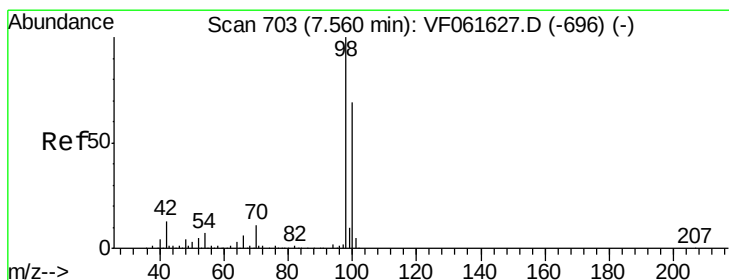
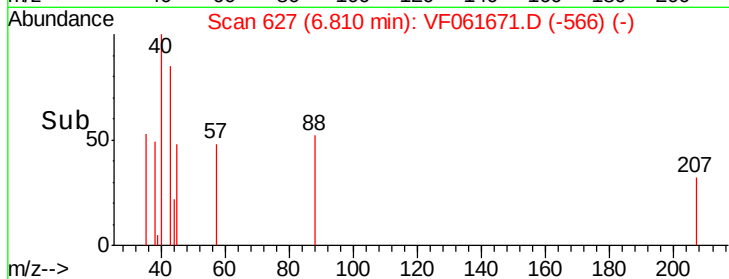
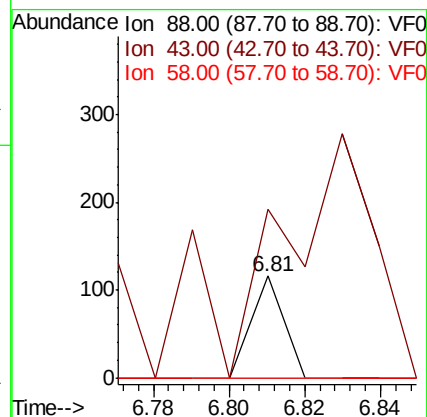
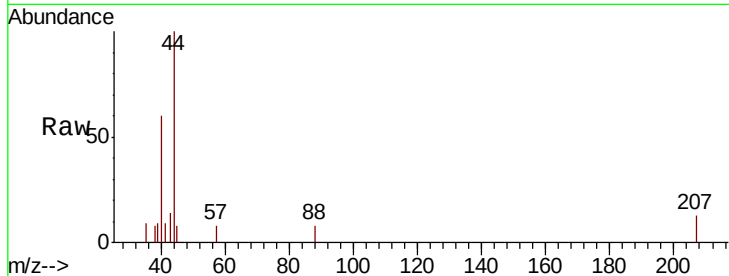




#49
1,4-Dioxane
Concen: 4.513 ug/l
RT: 6.81 min Scan# 627
Delta R.T. 0.10 min
Lab File: VF061671.D
Acq: 18 Feb 2019 11:33

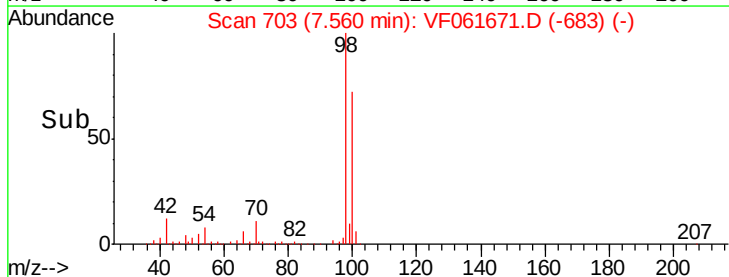
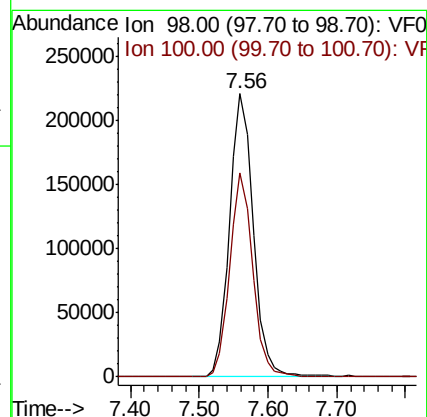
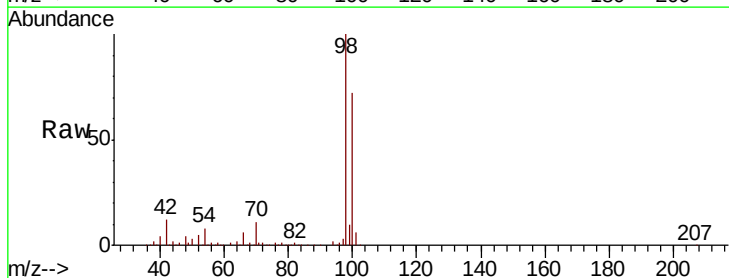
Instrument :
MSVOA_F
ClientSampleId :
VF0218SBL01

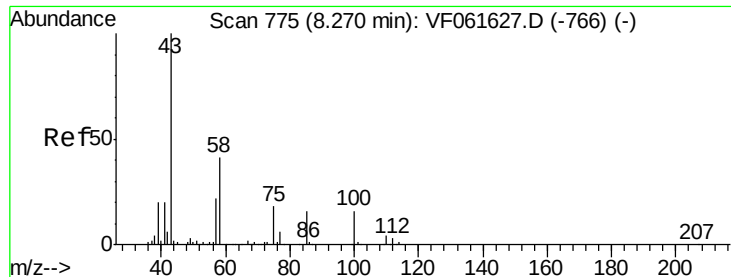
Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 165.5 32.3 48.5#
58 0.0 59.4 89.2#



#50
Toluene-d8
Concen: 50.042 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061671.D
Acq: 18 Feb 2019 11:33

Tgt Ion: 98 Resp: 530147
Ion Ratio Lower Upper
98 100
100 72.1 55.4 83.2

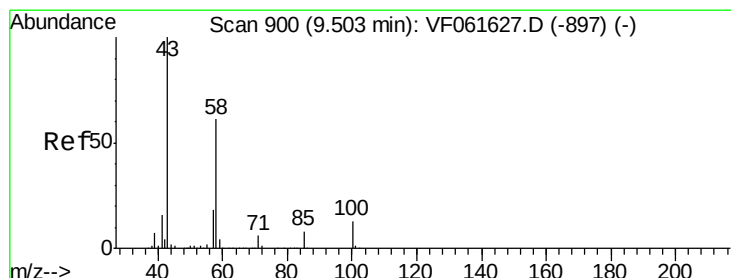
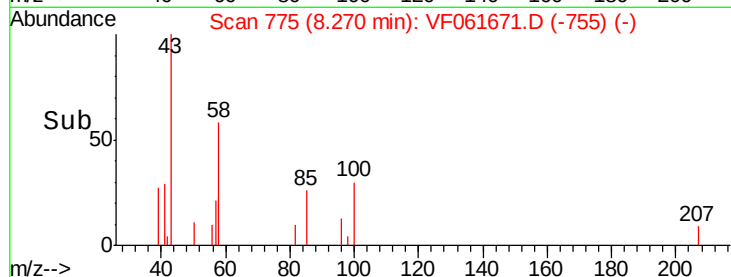
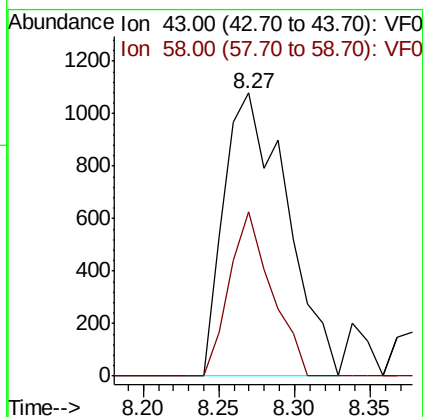
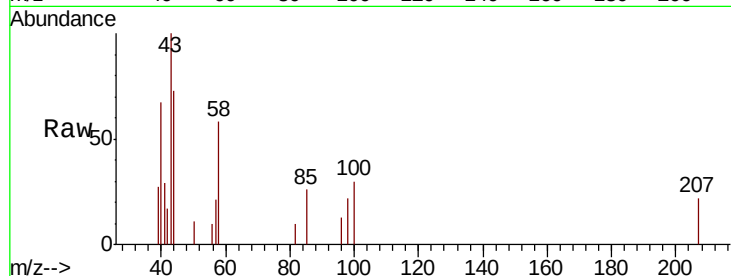




#51
 4-Methyl-2-Pentanone
 Concen: 1.614 ug/l
 RT: 8.27 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: VF061671.D
 Acq: 18 Feb 2019 11:33

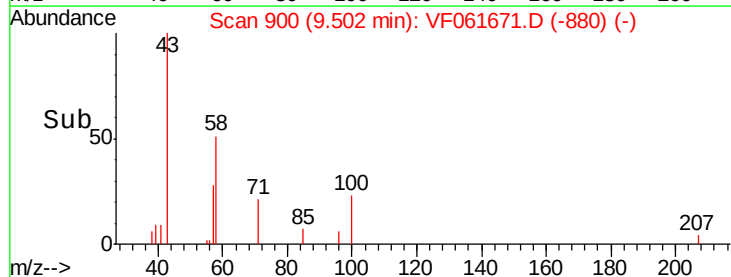
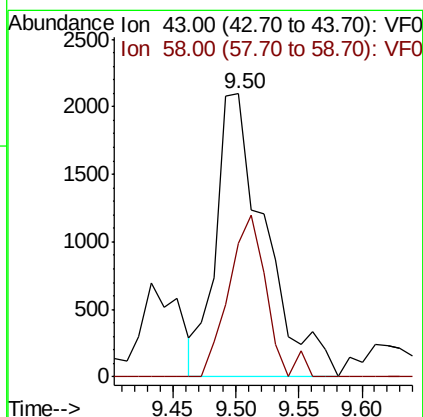
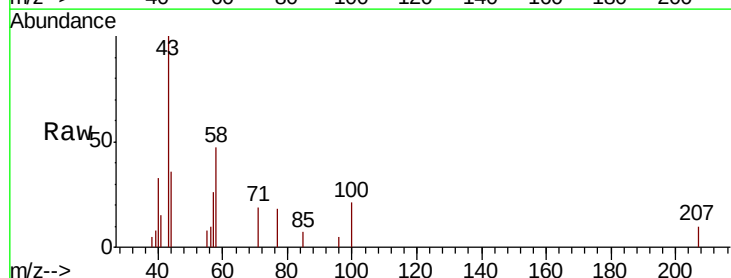
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBL01

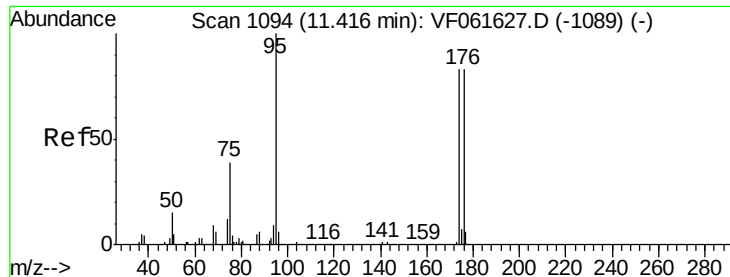
Tgt Ion: 43 Resp: 3117
 Ion Ratio Lower Upper
 43 100
 58 57.9 33.1 49.7#



#59
 2-Hexanone
 Concen: 4.236 ug/l
 RT: 9.50 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VF061671.D
 Acq: 18 Feb 2019 11:33

Tgt Ion: 43 Resp: 5735
 Ion Ratio Lower Upper
 43 100
 58 47.4 28.5 85.5





#62

4-Bromofluorobenzene

Concen: 52.406 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061671.D

Acq: 18 Feb 2019 11:33

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBL01

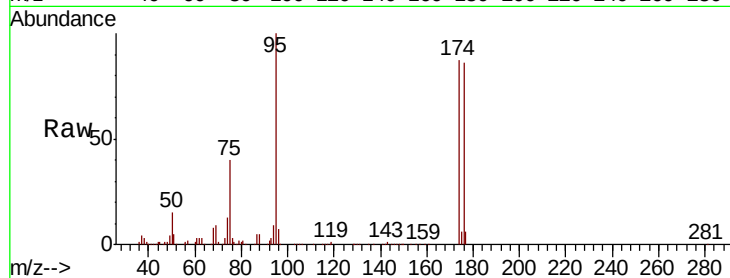
Tgt Ion: 95 Resp: 224638

Ion Ratio Lower Upper

95 100

174 86.8 0.0 165.8

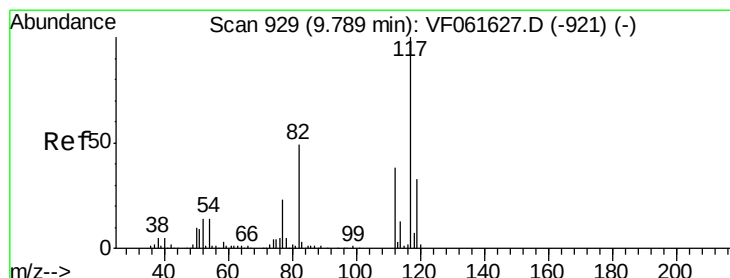
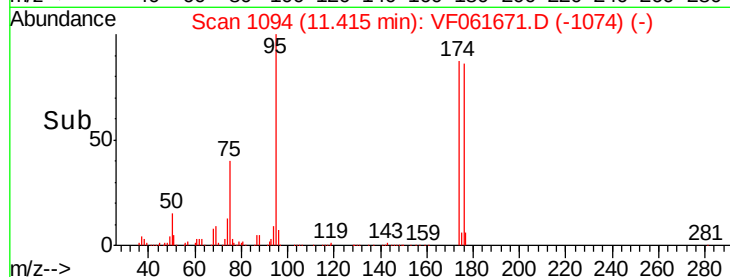
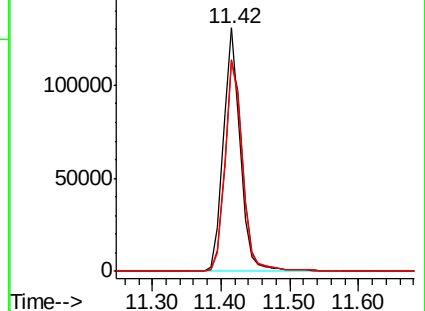
176 86.3 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061671.D

Acq: 18 Feb 2019 11:33

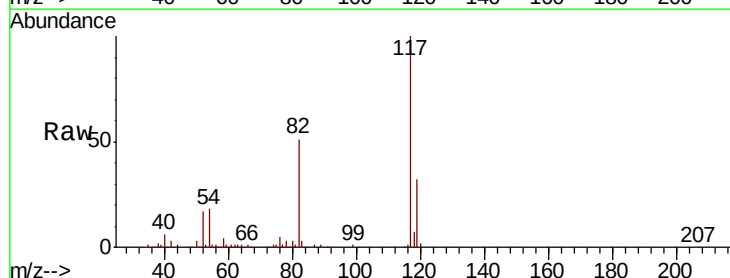
Tgt Ion: 117 Resp: 409917

Ion Ratio Lower Upper

117 100

82 51.2 39.3 58.9

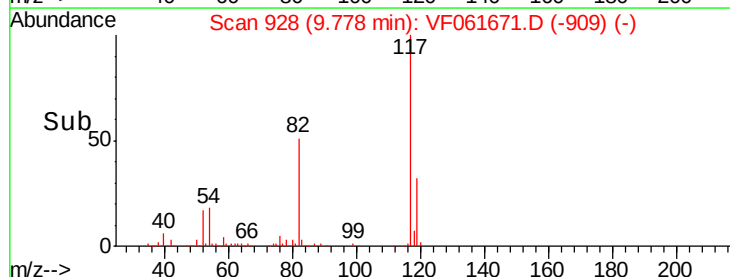
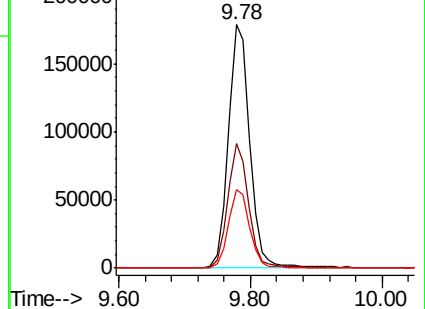
119 32.4 26.6 40.0

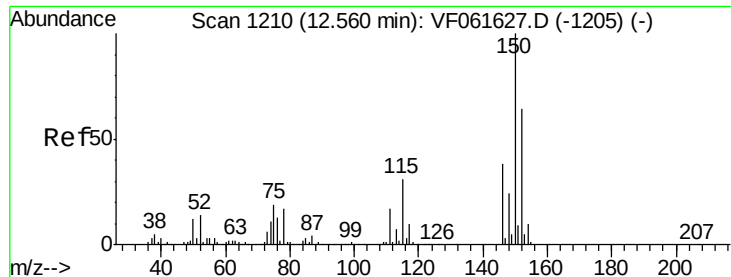


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF061671.D

Acq: 18 Feb 2019 11:33

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBL01

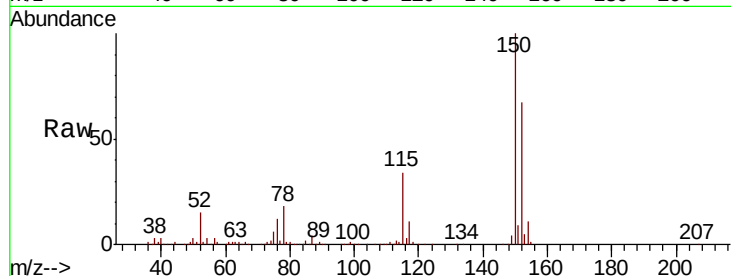
Tgt Ion:152 Resp: 255046

Ion Ratio Lower Upper

152 100

115 51.5 24.3 72.8

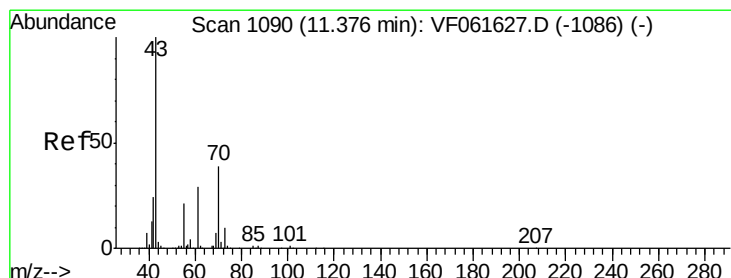
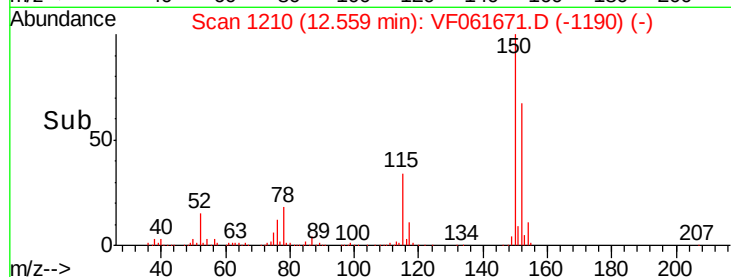
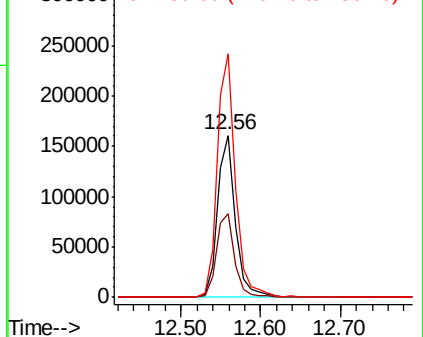
150 150.0 0.0 312.0



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



#74

N-amil acetate

Concen: 1.228 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061671.D

Acq: 18 Feb 2019 11:33

Tgt Ion: 43 Resp: 5351

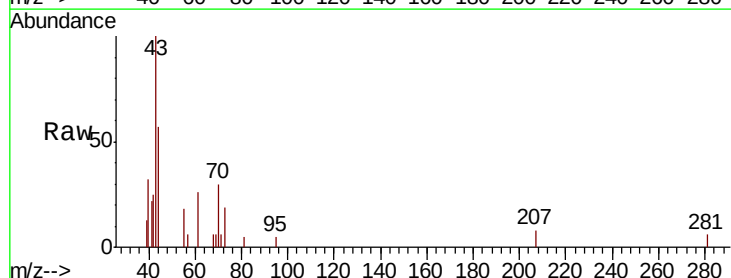
Ion Ratio Lower Upper

43 100

70 30.1 31.5 47.3#

55 17.9 16.7 25.1

61 26.4 23.0 34.6

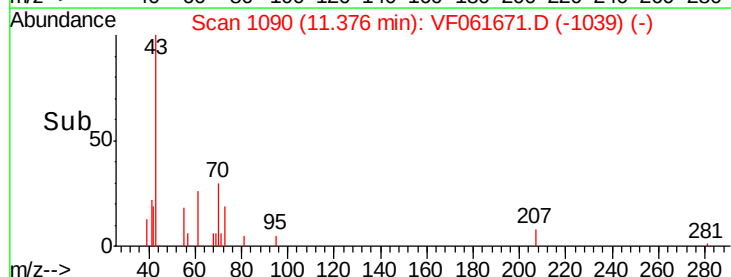
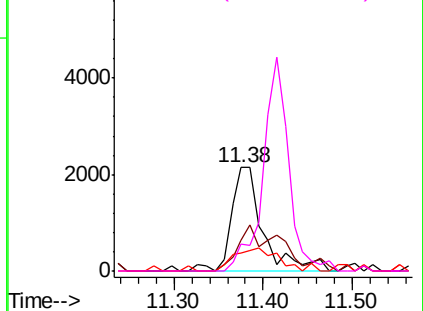


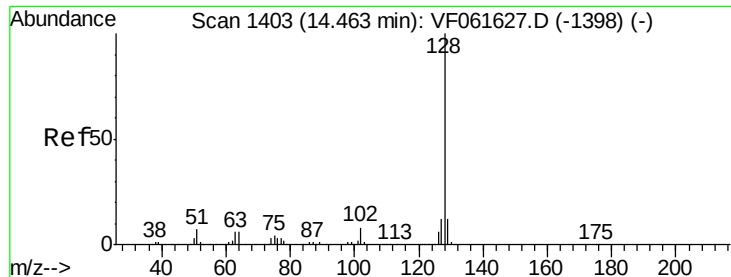
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

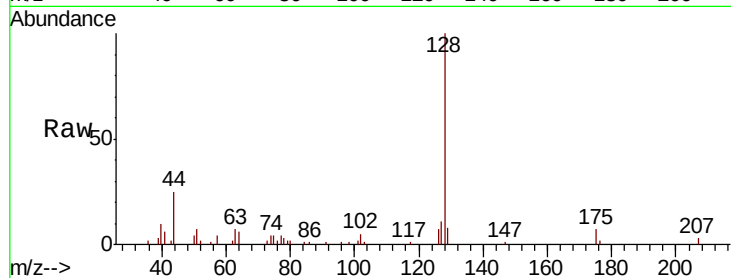




#95
Naphthalene
Concen: 1.242 ug/l
RT: 14.46 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF061671.D
Acq: 18 Feb 2019 11:33

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBL01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.2	9.8	14.6
129	7.8	9.4	14.2#



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

