

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF041919\
 Data File : VF062219.D
 Acq On : 19 Apr 2019 12:22
 Operator : FY/SY
 Sample : VF0419SBL01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0419SBL01

Quant Time: Apr 19 12:42:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	469789	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	720104	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	532288	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	338432	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	239524	55.60	ug/l	0.02
Spiked Amount 50.000			Recovery =	111.20%		
35) Dibromofluoromethane	4.31	113	329063	52.24	ug/l	0.02
Spiked Amount 50.000			Recovery =	104.48%		
50) Toluene-d8	7.72	98	789277	49.50	ug/l	0.02
Spiked Amount 50.000			Recovery =	99.00%		
62) 4-Bromofluorobenzene	11.50	95	333116	54.31	ug/l	0.02
Spiked Amount 50.000			Recovery =	108.62%		

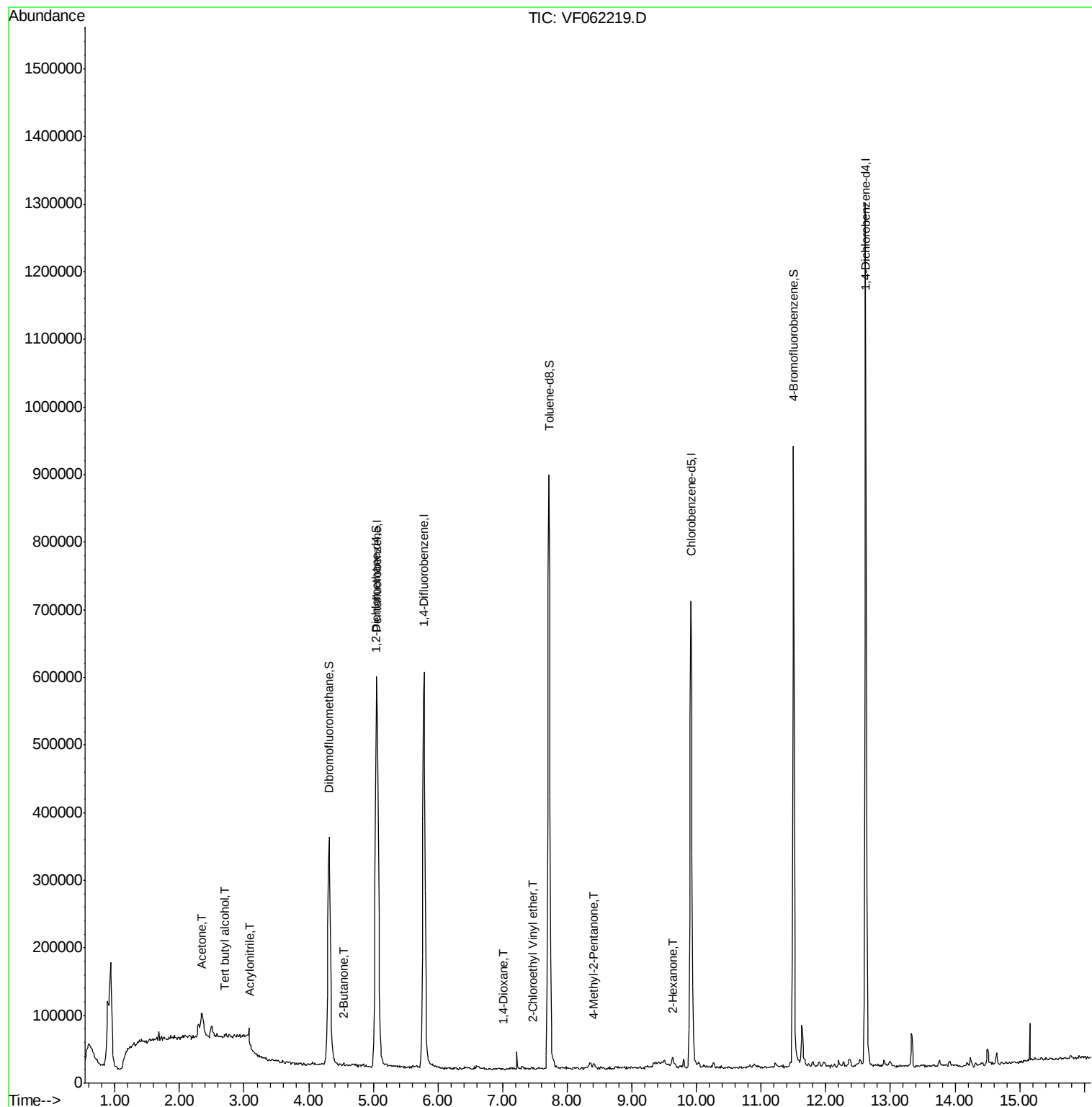
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	828	2.765	ug/l #	1
13) Acrolein	2.11	56	1700	Below Cal	#	71
15) Acrylonitrile	3.09	53	1189	1.304	ug/l #	64
16) Acetone	2.35	43	7489	7.273	ug/l	99
18) Methyl Acetate	2.50	43	9192	Below Cal	#	63
20) Methylene Chloride	2.34	84	26041	Below Cal		94
25) 2-Butanone	4.54	43	6846	3.325	ug/l #	73
49) 1,4-Dioxane	7.02	88	61	1.889	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	7792	2.445	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	1165	1.055	ug/l #	86
59) 2-Hexanone	9.63	43	11879	6.111	ug/l	96
74) N-amyl acetate	11.45	43	4736	Below Cal	#	70
89) n-Butylbenzene	12.90	91	4876	Below Cal		93

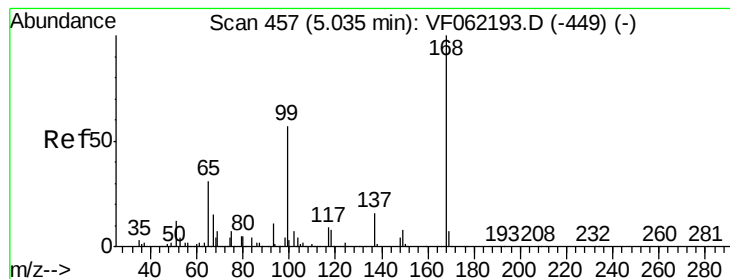
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062219.D

Acq: 19 Apr 2019 12:22

Instrument :

MSVOA_F

ClientSampleId :

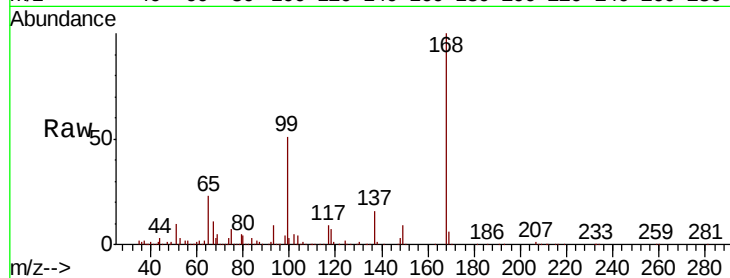
VF0419SBL01

Tgt Ion:168 Resp: 469789

Ion Ratio Lower Upper

168 100

99 50.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

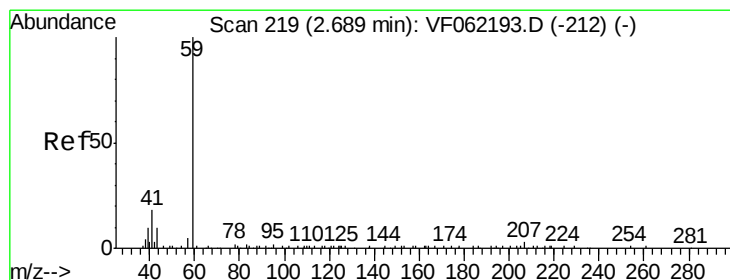
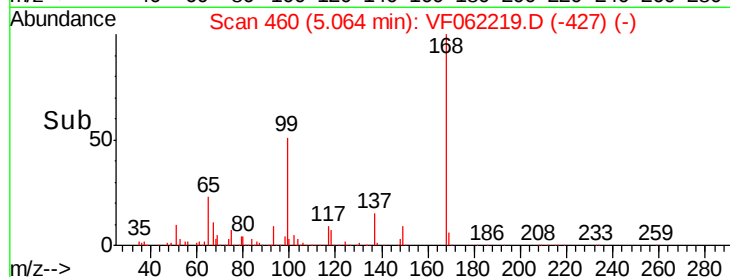
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.765 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF062219.D

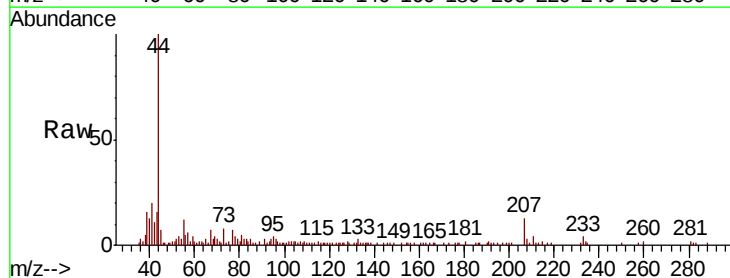
Acq: 19 Apr 2019 12:22

Tgt Ion: 59 Resp: 828

Ion Ratio Lower Upper

59 100

57 270.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

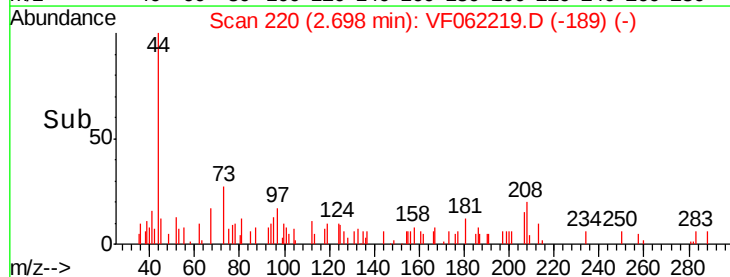
1500

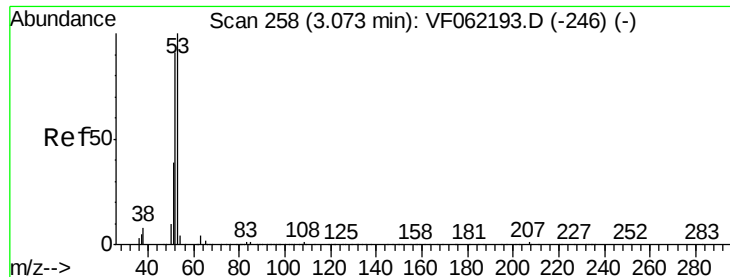
1000

500

0

Time-->





#15

Acrylonitrile

Concen: 1.304 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF062219.D

Acq: 19 Apr 2019 12:22

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBL01

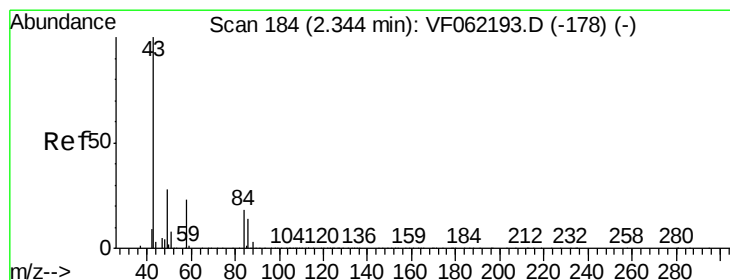
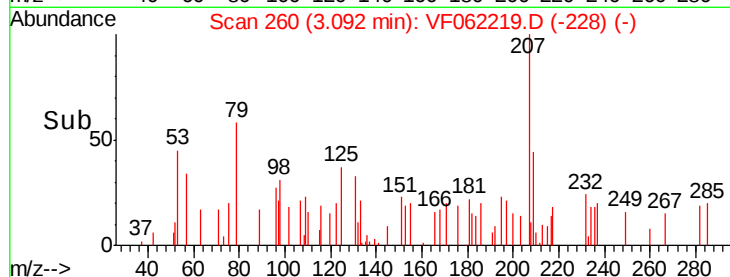
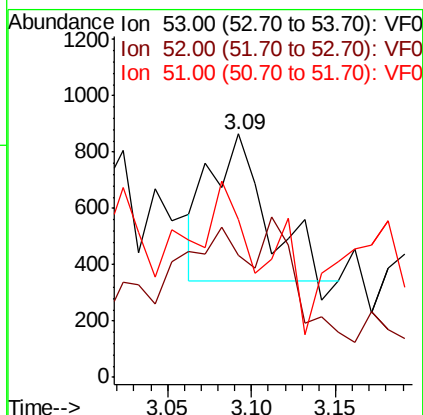
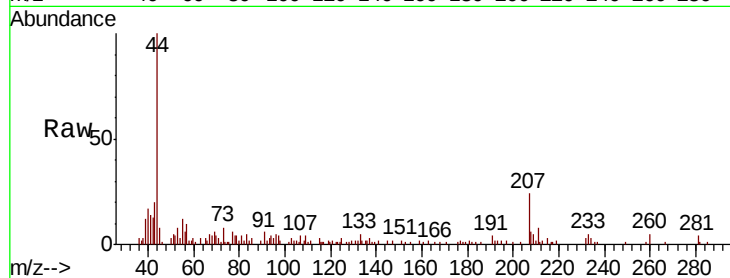
Tgt Ion: 53 Resp: 1189

Ion Ratio Lower Upper

53 100

52 84.7 69.5 104.3

51 108.0 31.8 47.8#



#16

Acetone

Concen: 7.273 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062219.D

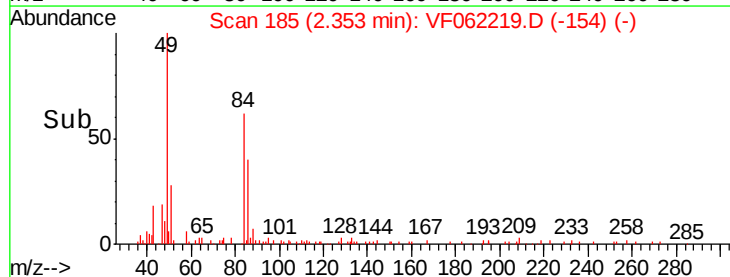
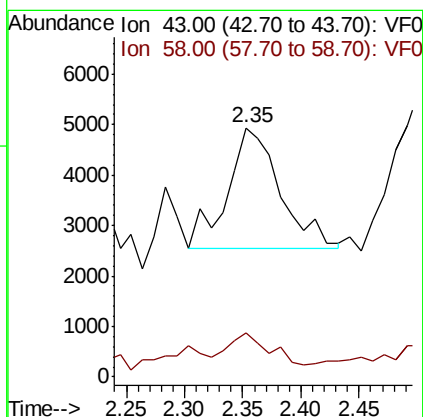
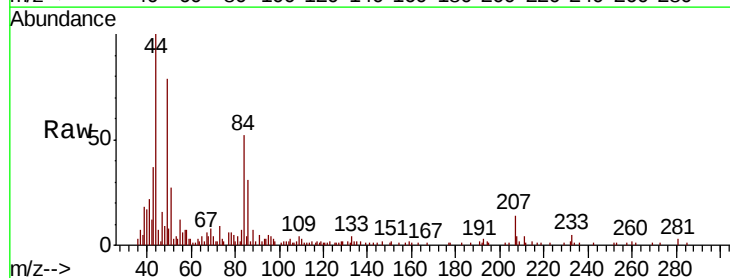
Acq: 19 Apr 2019 12:22

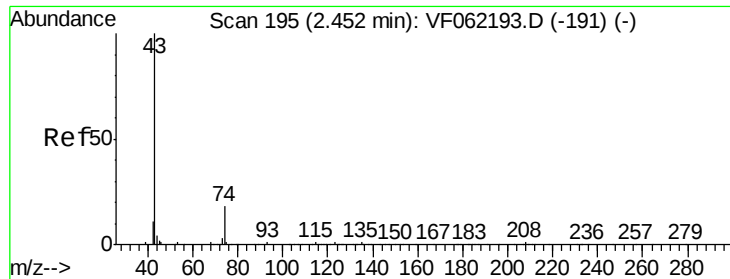
Tgt Ion: 43 Resp: 7489

Ion Ratio Lower Upper

43 100

58 23.9 18.8 28.2

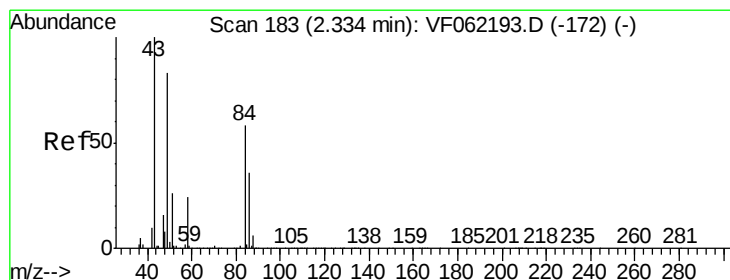
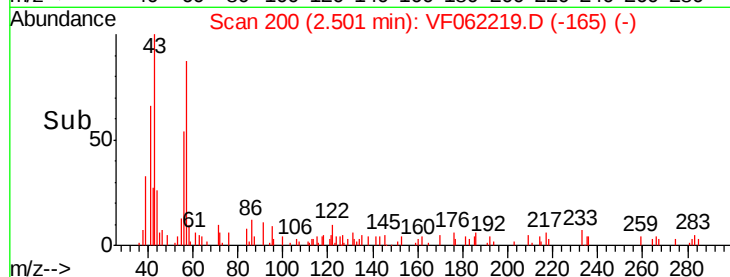
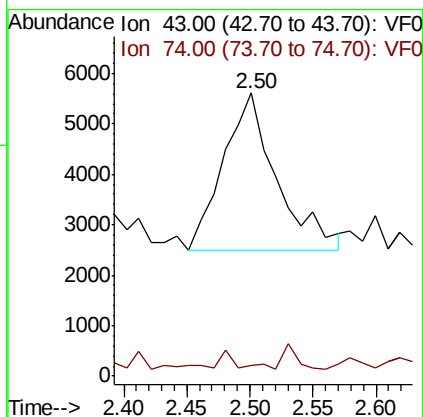
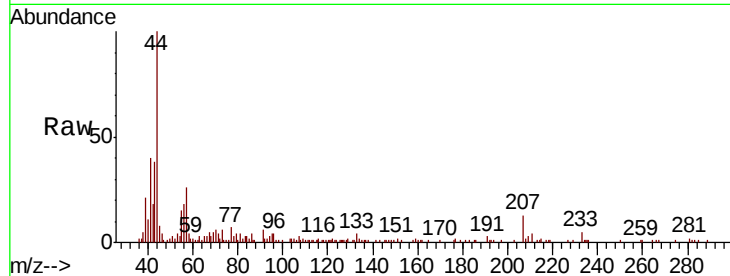




#18
Methyl Acetate
Concen: Below Cal
RT: 2.50 min Scan# 200
Delta R.T. 0.05 min
Lab File: VF062219.D
Acq: 19 Apr 2019 12:22

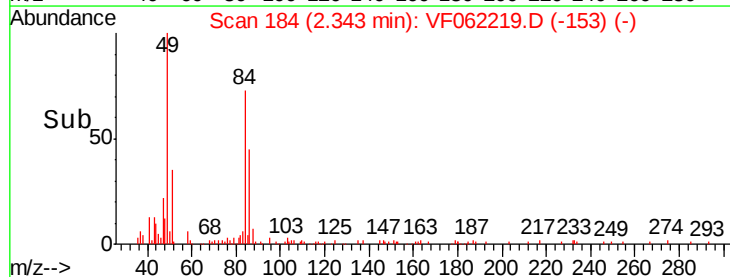
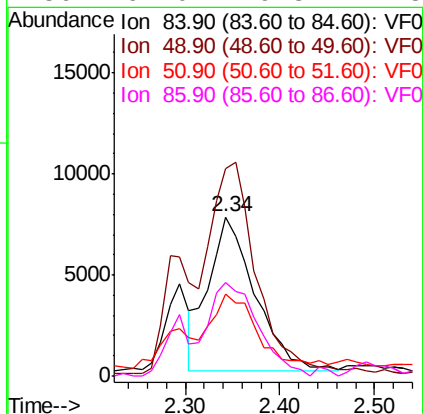
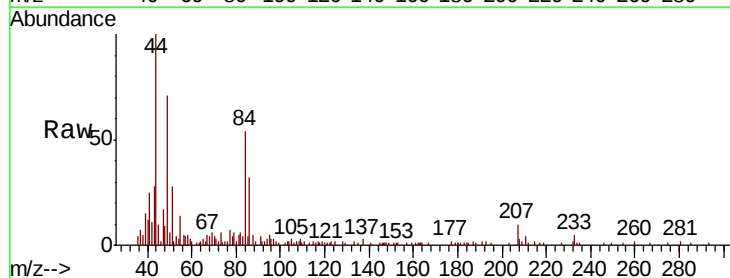
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBL01

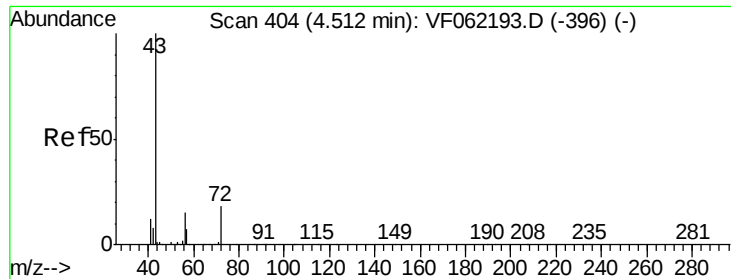
Tgt Ion: 43 Resp: 9192
Ion Ratio Lower Upper
43 100
74 1.5 14.5 21.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062219.D
Acq: 19 Apr 2019 12:22

Tgt Ion: 84 Resp: 26041
Ion Ratio Lower Upper
84 100
49 131.5 114.0 171.0
51 45.1 37.0 55.4
86 61.0 49.8 74.8





#25

2-Butanone

Concen: 3.325 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.03 min

Lab File: VF062219.D

Acq: 19 Apr 2019 12:22

Instrument :

MSVOA_F

ClientSampleId :

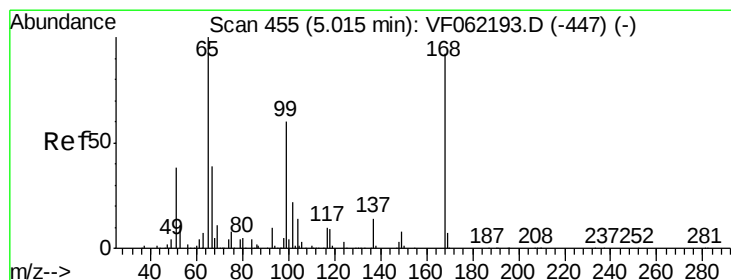
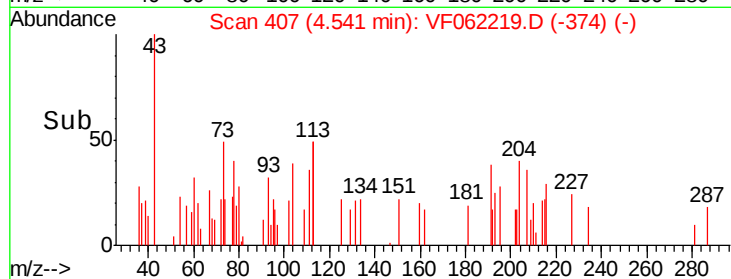
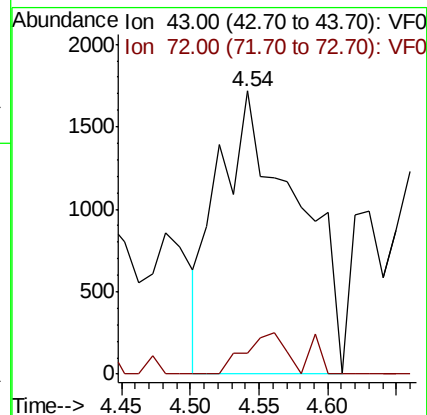
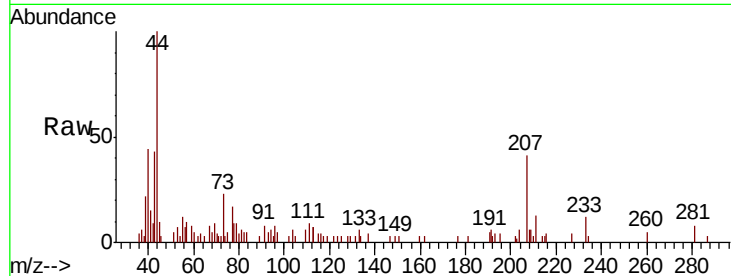
VF0419SBL01

Tgt Ion: 43 Resp: 6846

Ion Ratio Lower Upper

43 100

72 7.6 16.1 24.1#



#33

1,2-Dichloroethane-d4

Concen: 55.604 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062219.D

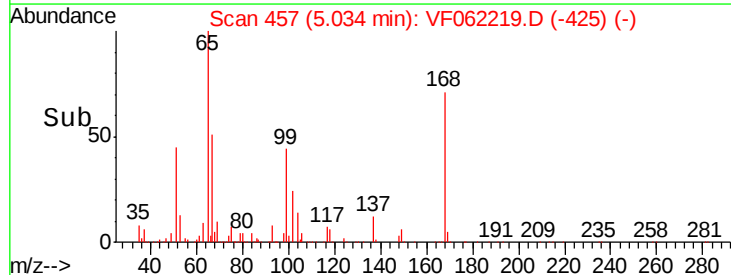
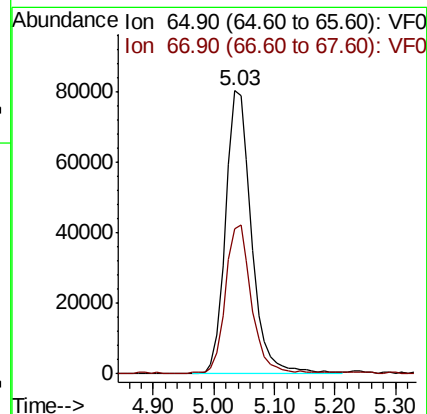
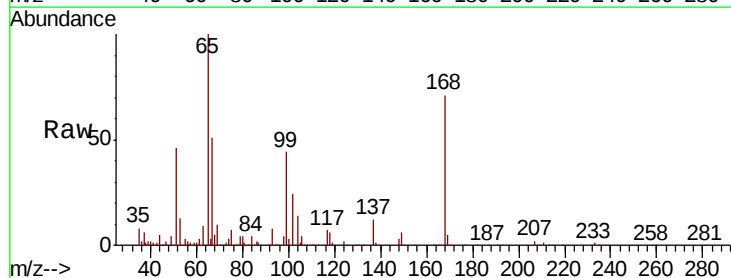
Acq: 19 Apr 2019 12:22

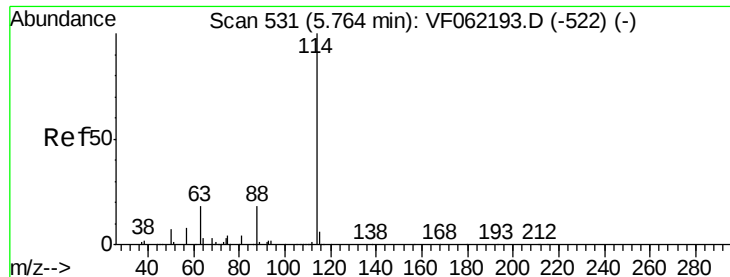
Tgt Ion: 65 Resp: 239524

Ion Ratio Lower Upper

65 100

67 52.3 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062219.D

Acq: 19 Apr 2019 12:22

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBL01

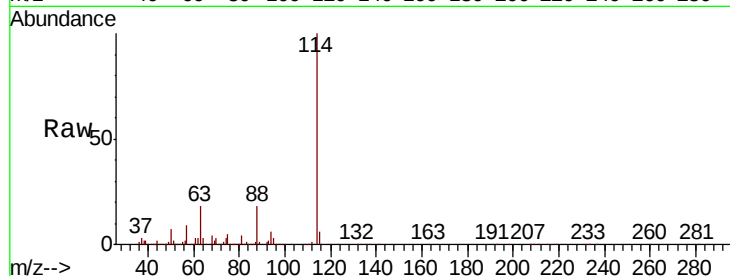
Tgt Ion:114 Resp: 720104

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

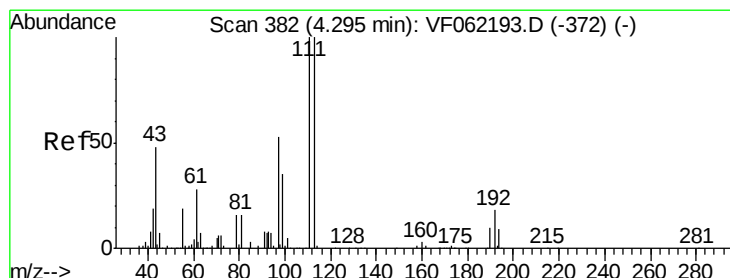
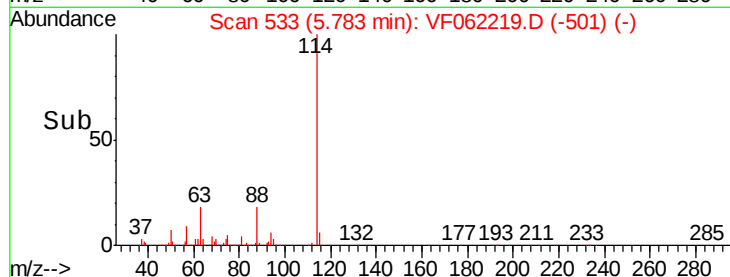
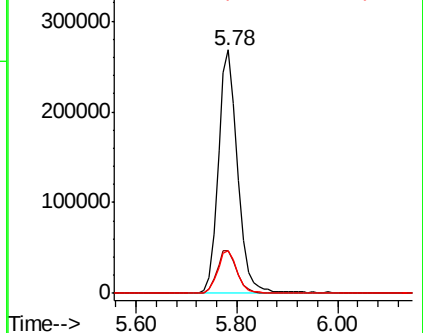
88 17.6 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 52.240 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062219.D

Acq: 19 Apr 2019 12:22

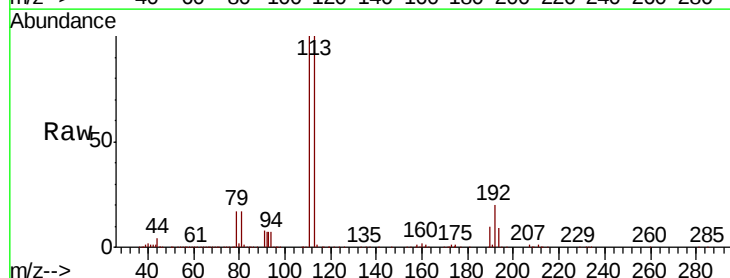
Tgt Ion:113 Resp: 329063

Ion Ratio Lower Upper

113 100

111 101.2 81.1 121.7

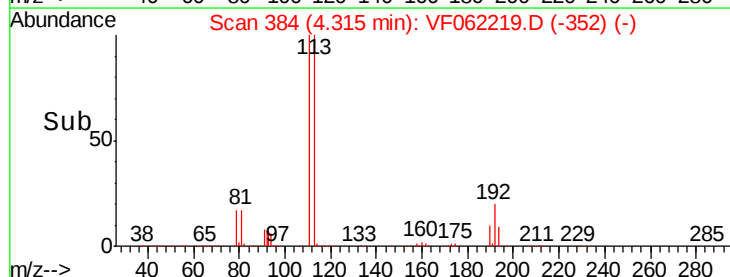
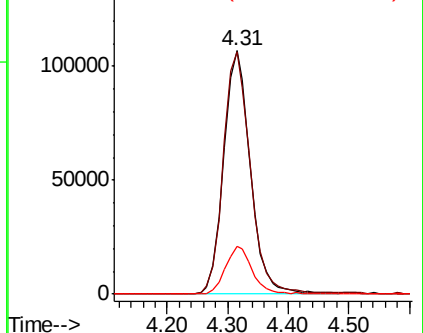
192 19.7 14.7 22.1

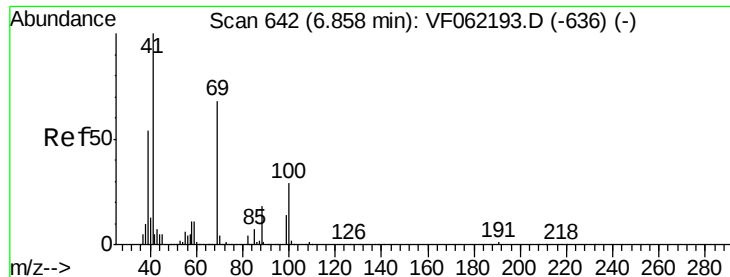


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#49

1,4-Dioxane

Concen: 1.889 ug/l

RT: 7.02 min Scan# 658

Delta R.T. 0.16 min

Lab File: VF062219.D

Acq: 19 Apr 2019 12:22

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MSVOA_F

ClientSampleId :

VF0419SBL01

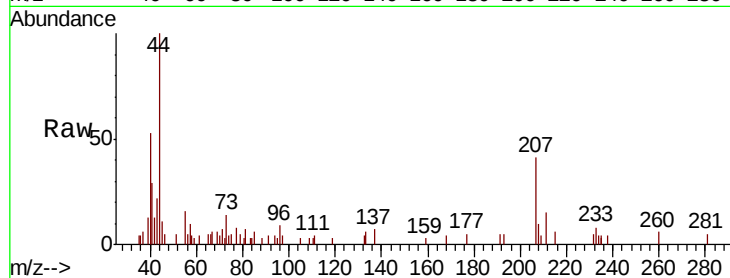
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 36.9 55.3#

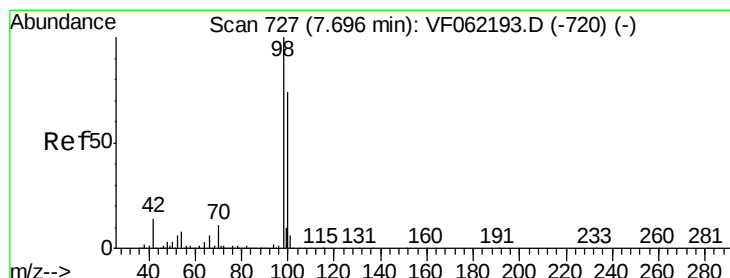
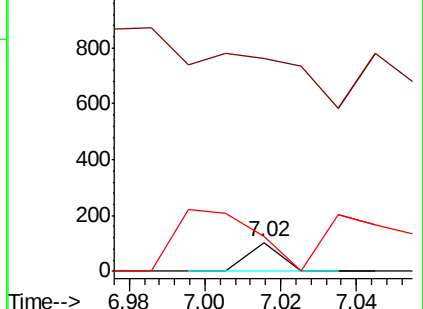
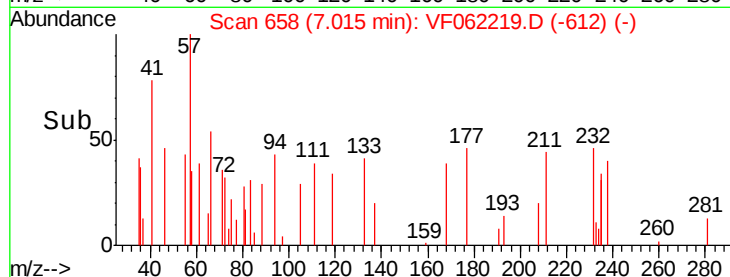
58 632.8 56.8 85.2#



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: 49.500 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062219.D

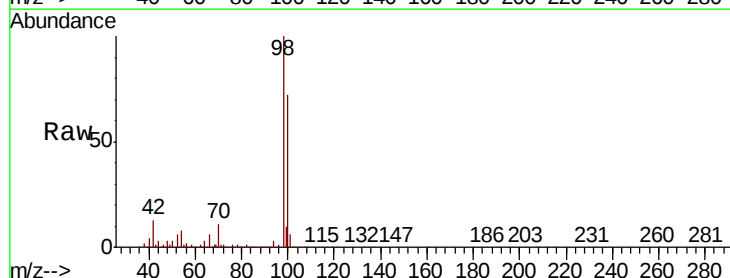
Acq: 19 Apr 2019 12:22

Tgt Ion: 98 Resp: 789277

Ion Ratio Lower Upper

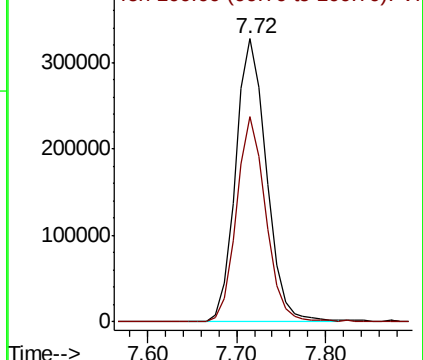
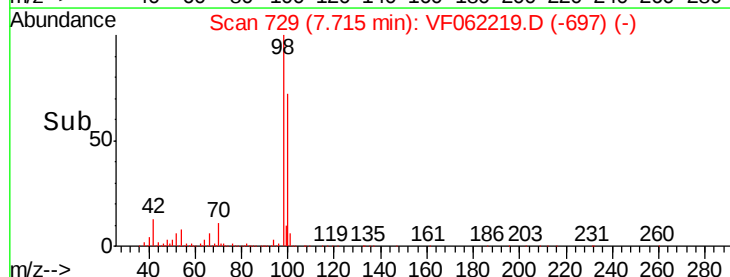
98 100

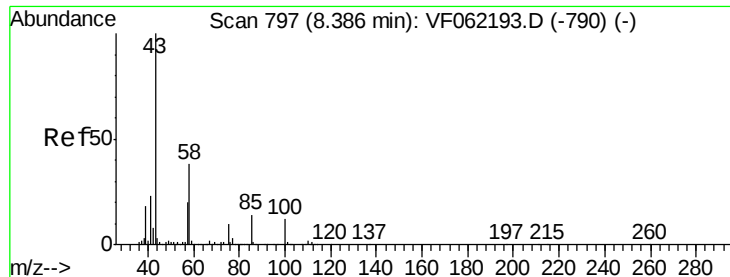
100 69.5 56.2 84.2



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: 2.445 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.03 min

Lab File: VF062219.D

Acq: 19 Apr 2019 12:22

Instrument :

MSVOA_F

ClientSampleId :

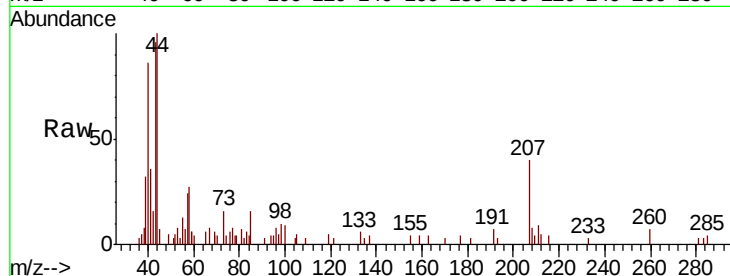
VF0419SBL01

Tgt Ion: 43 Resp: 7792

Ion Ratio Lower Upper

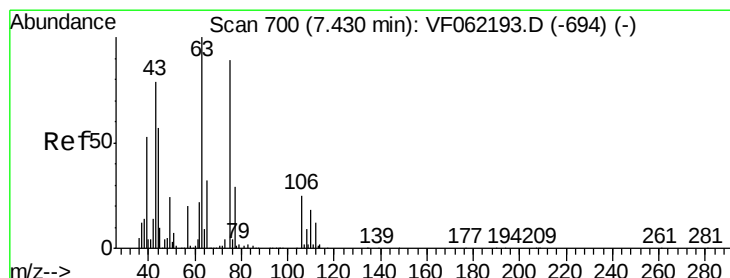
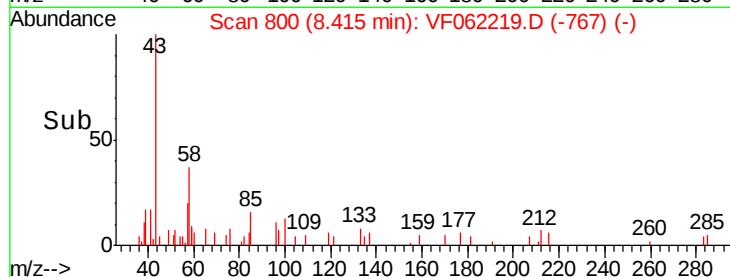
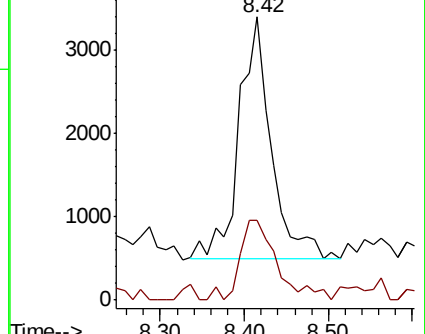
43 100

58 38.4 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.055 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.03 min

Lab File: VF062219.D

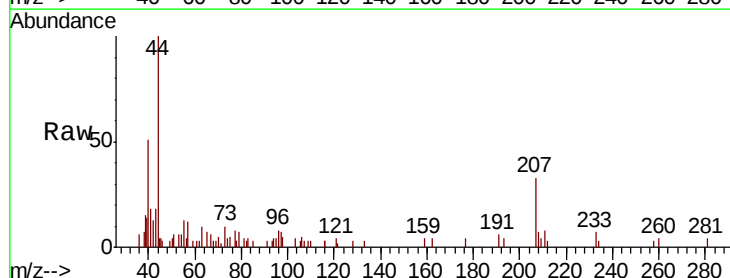
Acq: 19 Apr 2019 12:22

Tgt Ion: 63 Resp: 1165

Ion Ratio Lower Upper

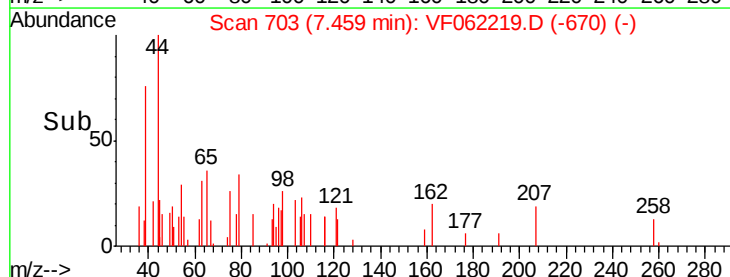
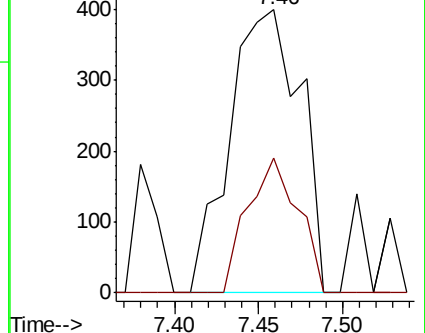
63 100

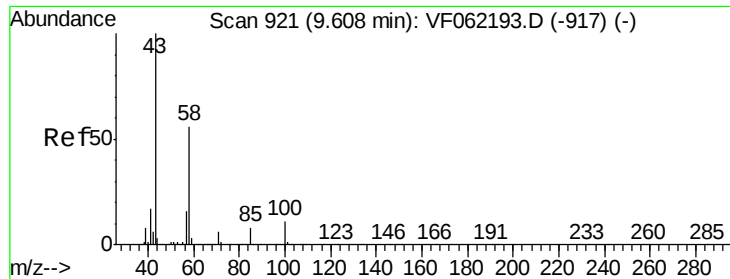
106 34.0 21.4 32.0#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

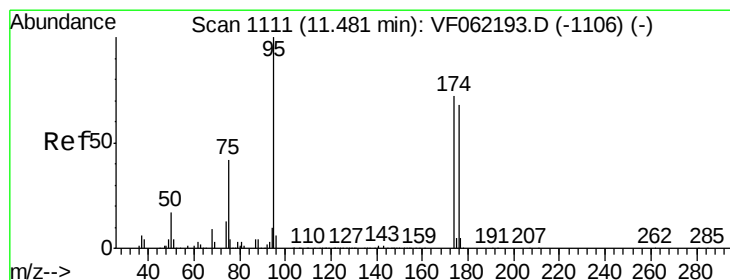
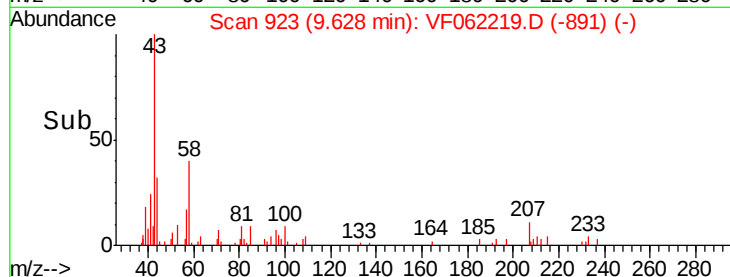
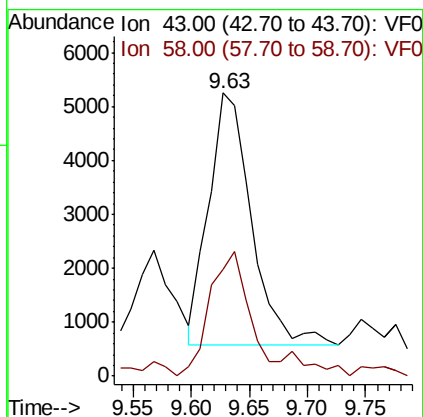
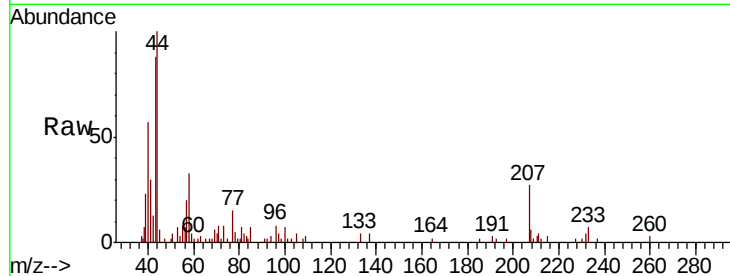




#59
2-Hexanone
Concen: 6.111 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062219.D
Acq: 19 Apr 2019 12:22

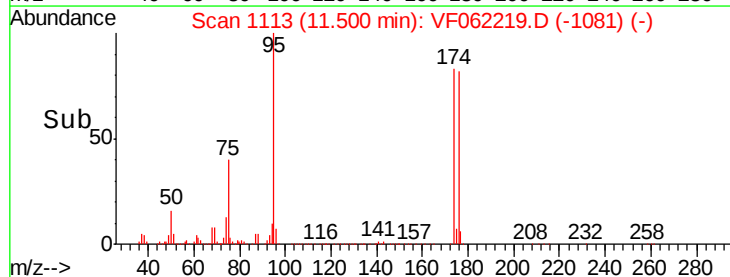
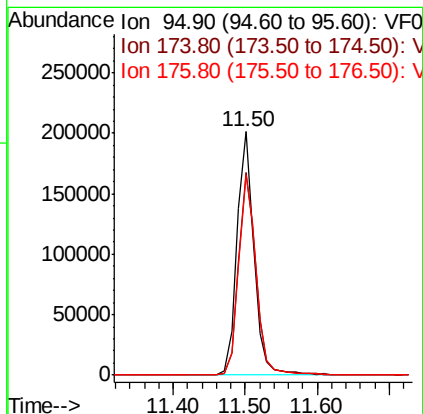
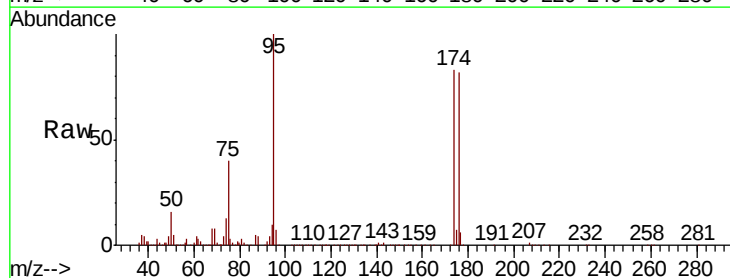
Instrument :
MSVOA_F
ClientSampleId :
VF0419SBL01

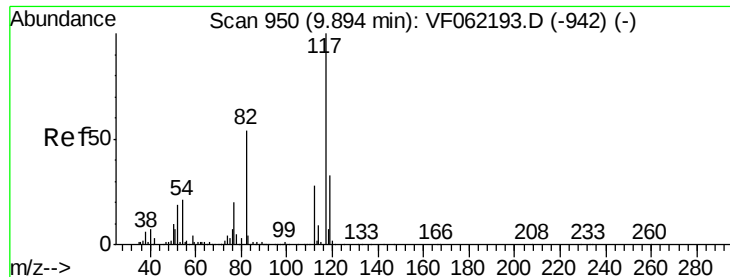
Tgt Ion: 43 Resp: 11879
Ion Ratio Lower Upper
43 100
58 46.4 24.6 74.0



#62
4-Bromofluorobenzene
Concen: 54.307 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062219.D
Acq: 19 Apr 2019 12:22

Tgt Ion: 95 Resp: 333116
Ion Ratio Lower Upper
95 100
174 85.4 0.0 159.4
176 84.5 0.0 155.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062219.D

Acq: 19 Apr 2019 12:22

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBL01

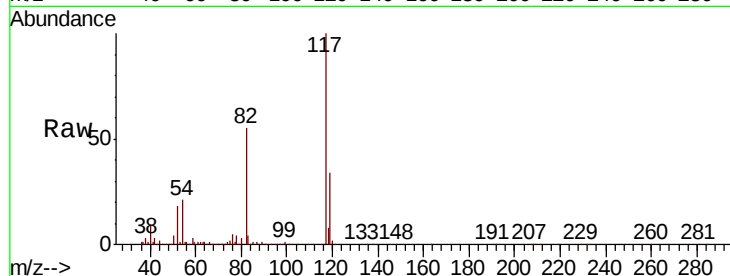
Tgt Ion:117 Resp: 532288

Ion Ratio Lower Upper

117 100

82 54.7 43.2 64.8

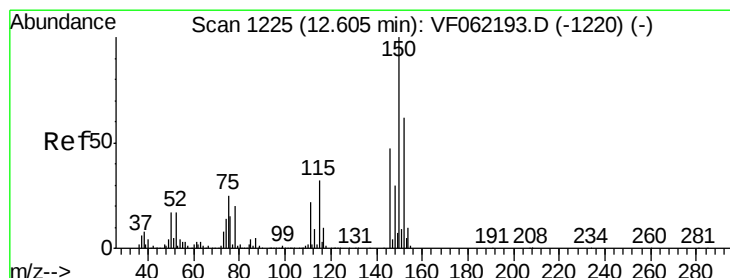
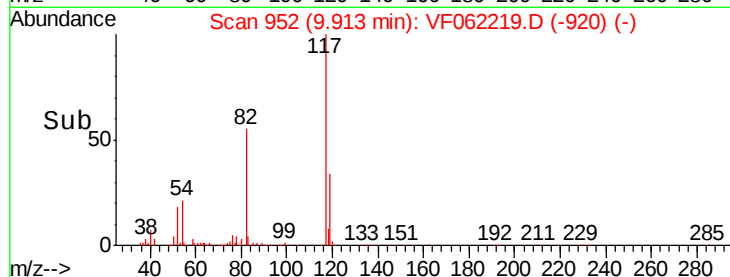
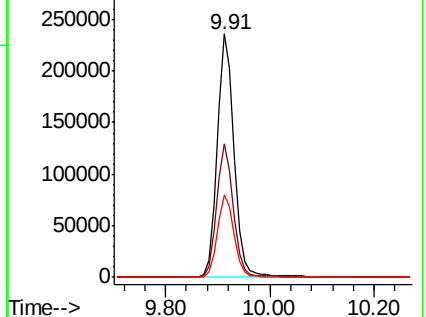
119 33.8 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062219.D

Acq: 19 Apr 2019 12:22

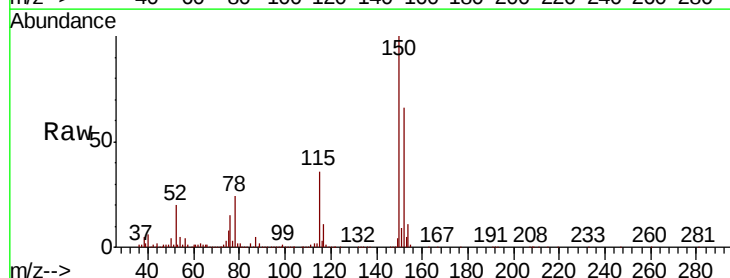
Tgt Ion:152 Resp: 338432

Ion Ratio Lower Upper

152 100

115 54.1 27.8 83.3

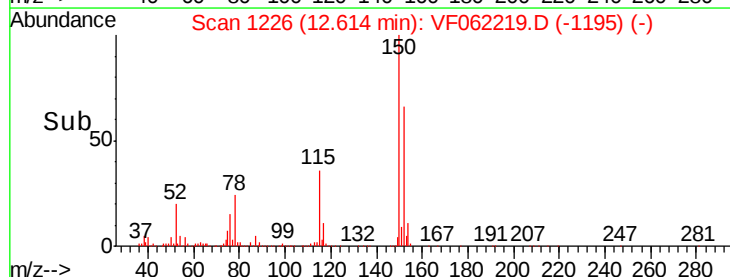
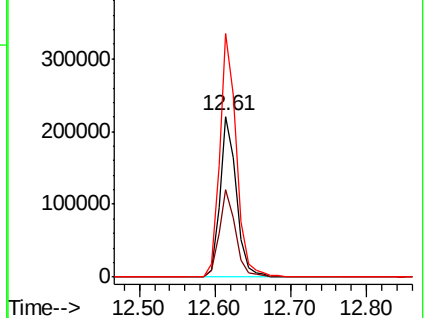
150 153.0 0.0 341.8

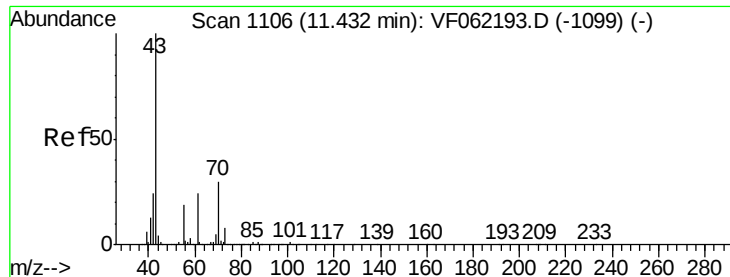


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: Below Cal

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF062219.D

Acq: 19 Apr 2019 12:22

Instrument :

MSVOA_F

ClientSampleId :

VF0419SBL01

Tgt Ion: 43 Resp: 4736

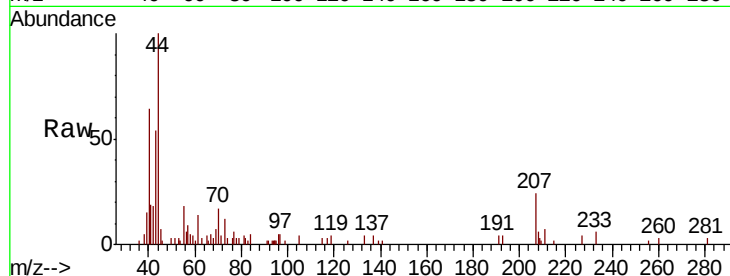
Ion Ratio Lower Upper

43 100

70 31.1 27.0 40.4

55 40.4 15.7 23.5#

61 0.0 20.8 31.2#

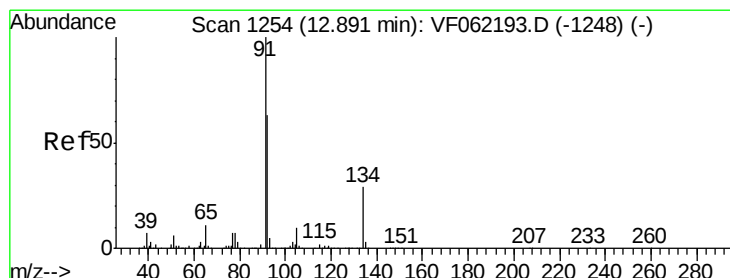
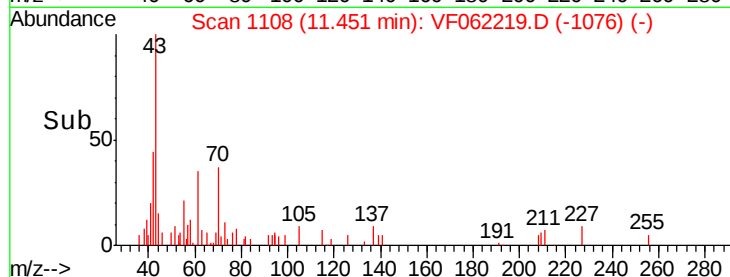
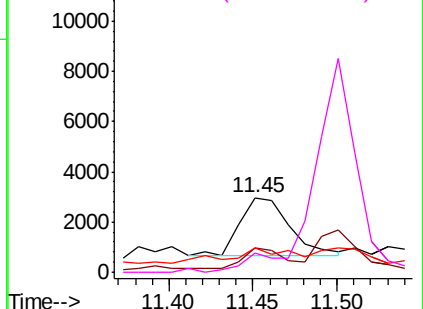


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#89

n-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062219.D

Acq: 19 Apr 2019 12:22

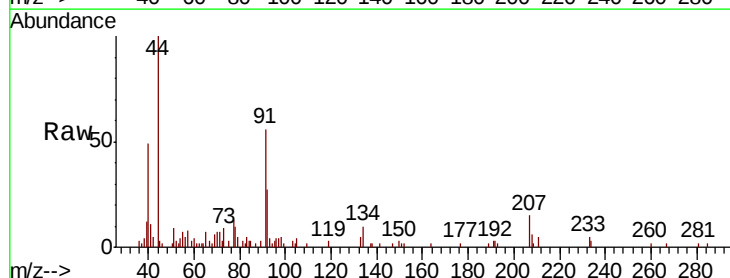
Tgt Ion: 91 Resp: 4876

Ion Ratio Lower Upper

91 100

92 58.3 31.2 93.6

134 32.2 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

