

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059450.D
 Acq On : 6 Jul 2018 15:24
 Operator : VA/AP
 Sample : VF0706SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBL01

Quant Time: Jul 07 01:49:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

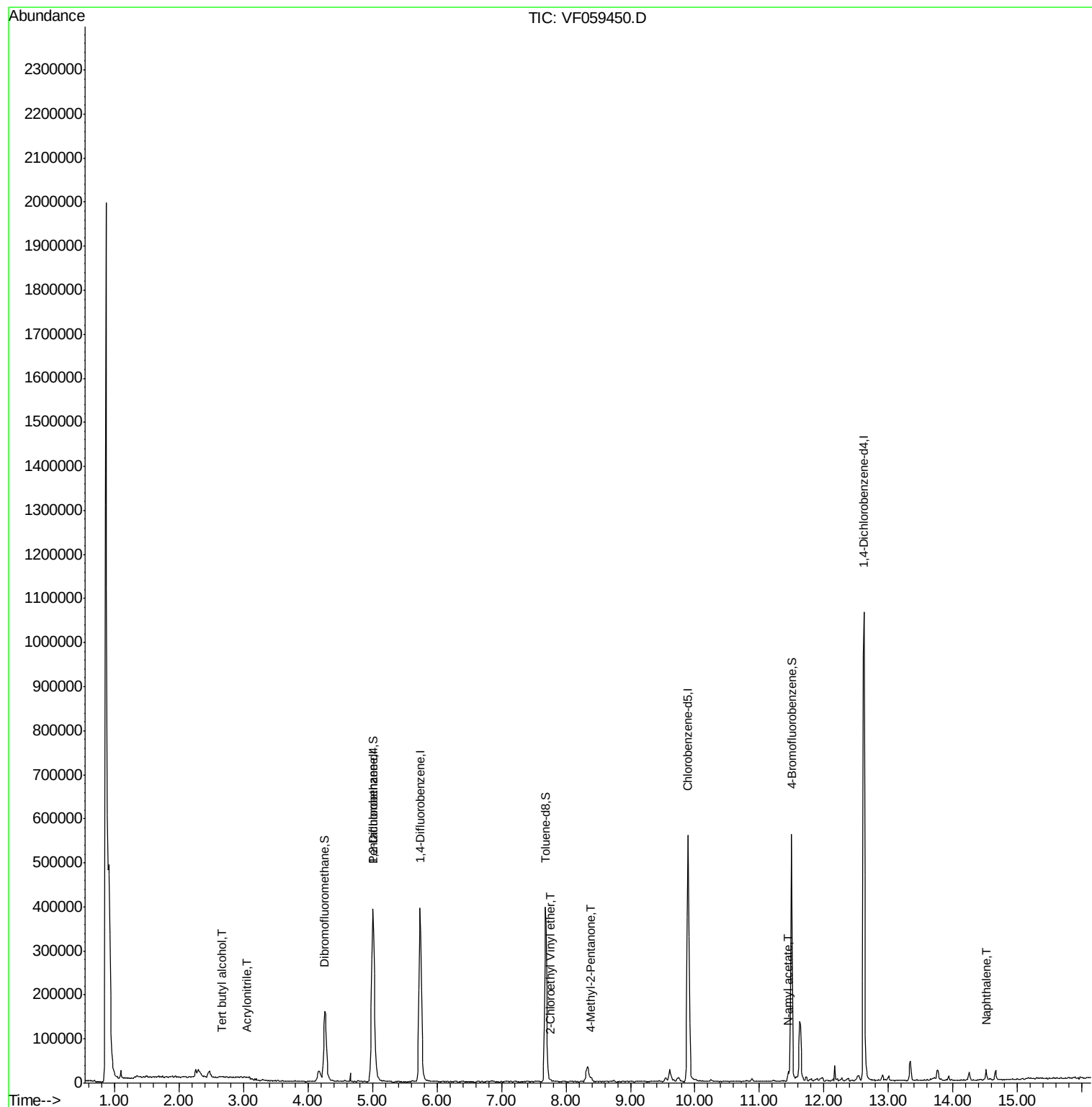
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	284313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	409233	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	407562	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	279371	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	165135	44.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.92%	
35) Dibromofluoromethane	4.26	113	143581	48.02	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.04%	
50) Toluene-d8	7.68	98	315437	42.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	85.22%	
62) 4-Bromofluorobenzene	11.50	95	193127	46.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.50%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.31	94	121	Below Cal	#	4
11) Tert butyl alcohol	2.65	59	504	2.061 ug/l	#	66
13) Acrolein	1.95	56	559	Below Cal		83
15) Acrylonitrile	3.04	53	880	2.043 ug/l	#	62
16) Acetone	2.33	43	3948	Below Cal		98
18) Methyl Acetate	2.40	43	548	Below Cal		94
20) Methylene Chloride	2.30	84	7296	Below Cal		90
25) 2-Butanone	4.51	43	2066	Below Cal	#	59
28) Bromochloromethane	3.87	49	144	Below Cal	#	6
29) Tetrahydrofuran	4.22	42	813	Below Cal	#	65
37) Ethyl Acetate	4.24	43	1986	Below Cal	#	60
49) 1,4-Dioxane	6.92	88	67	Below Cal	#	20
51) 4-Methyl-2-Pentanone	8.38	43	7204	3.265 ug/l	#	84
58) 2-Chloroethyl Vinyl ether	7.76	63	247	1.154 ug/l		100
59) 2-Hexanone	9.61	43	23438	Below Cal		94
74) N-amyl acetate	11.45	43	14215	2.407 ug/l		94
87) 1,3-Dichlorobenzene	12.54	146	3346	Below Cal		89
95) Naphthalene	14.51	128	15488	1.221 ug/l		96

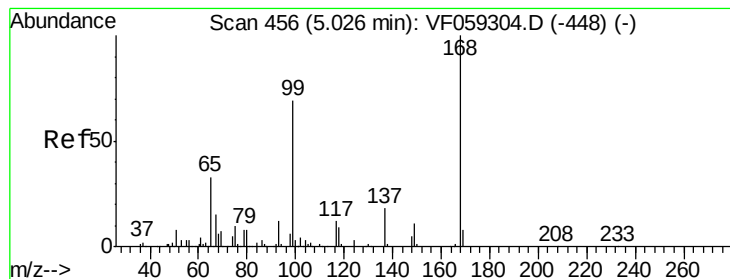
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059450.D

Acq: 6 Jul 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

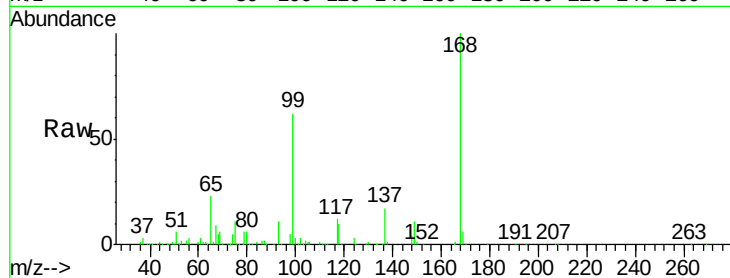
VF0706SBL01

Tot Ion:168 Resp: 284313

Ion Ratio Lower Upper

168 100

99 62.0 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

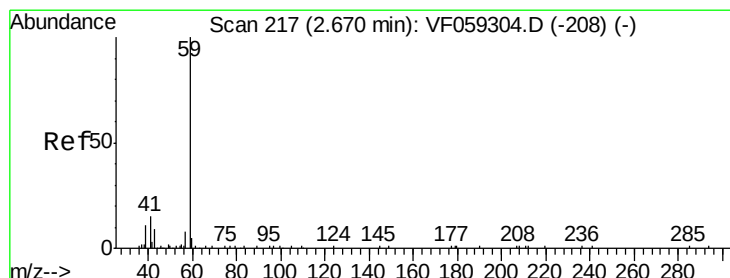
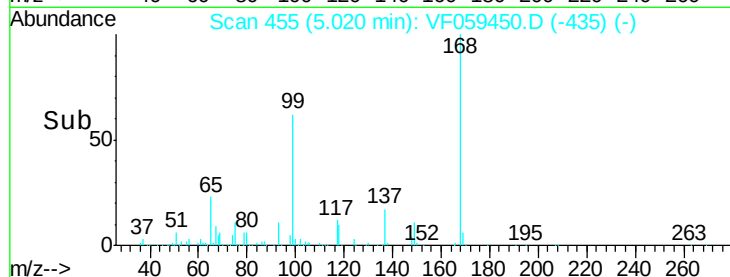
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 2.061 ug/l

RT: 2.65 min Scan# 215

Delta R.T. -0.02 min

Lab File: VF059450.D

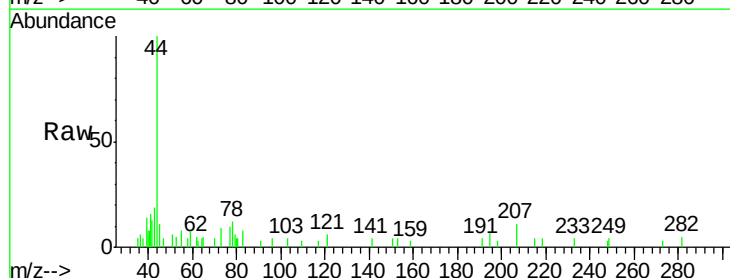
Acq: 6 Jul 2018 15:24

Tgt Ion: 59 Resp: 504

Ion Ratio Lower Upper

59 100

57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.65

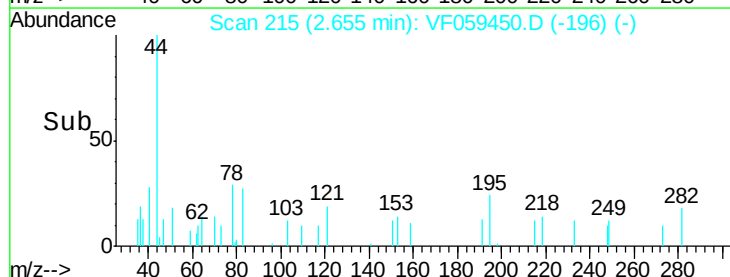
300

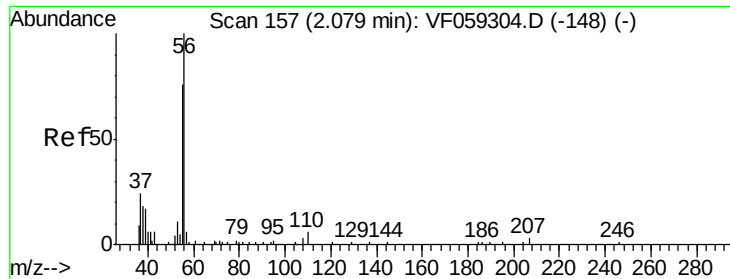
200

100

0

Time--> 2.60 2.65 2.70





#13

Acrolein

Concen: Below Cal

RT: 1.95 min Scan# 144

Delta R.T. -0.12 min

Lab File: VF059450.D

Acq: 6 Jul 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

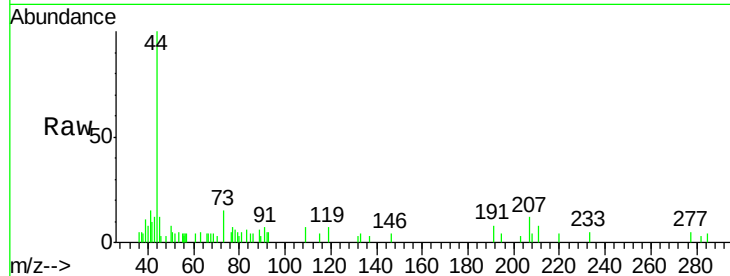
VF0706SBL01

Tot Ion: 56 Resp: 559

Ion Ratio Lower Upper

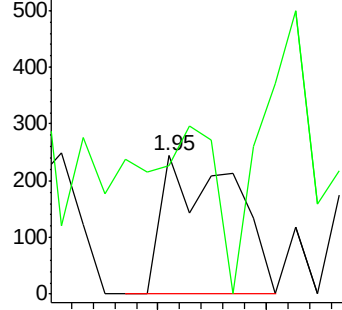
56 100

55 93.0 62.4 93.6

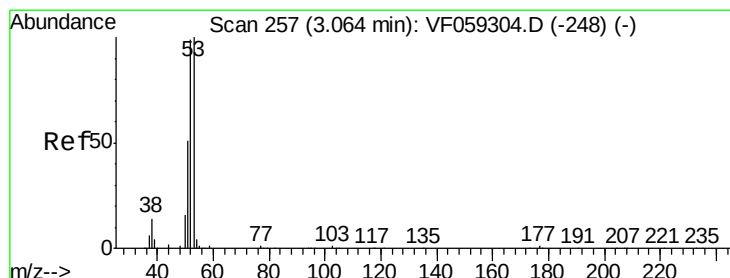
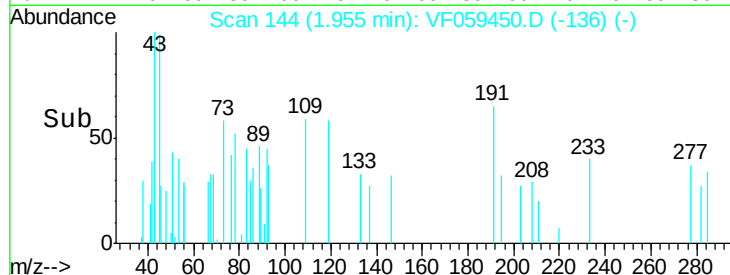


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 2.043 ug/l

RT: 3.04 min Scan# 254

Delta R.T. -0.03 min

Lab File: VF059450.D

Acq: 6 Jul 2018 15:24

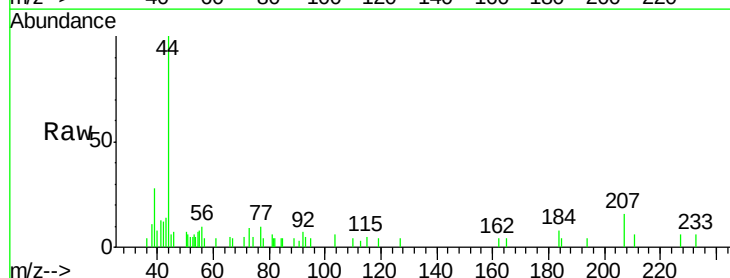
Tgt Ion: 53 Resp: 880

Ion Ratio Lower Upper

53 100

52 49.2 79.2 118.8#

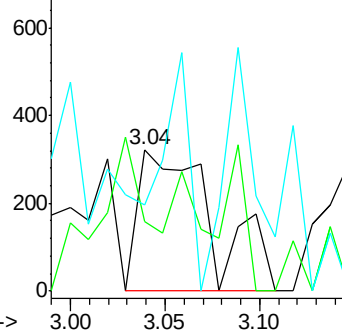
51 60.7 40.9 61.3



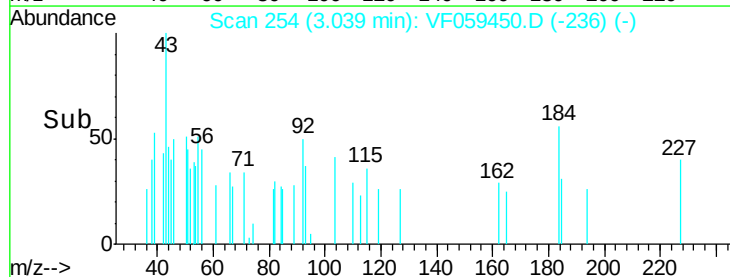
Abundance Ion 53.00 (52.70 to 53.70): VF0

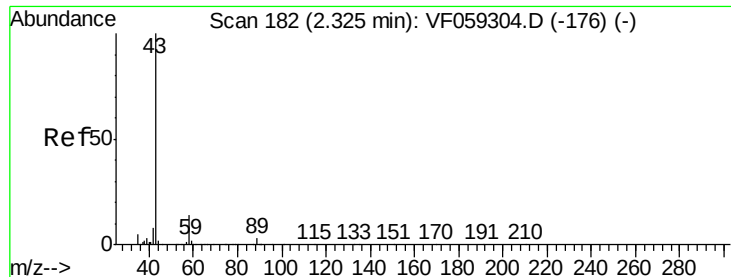
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->

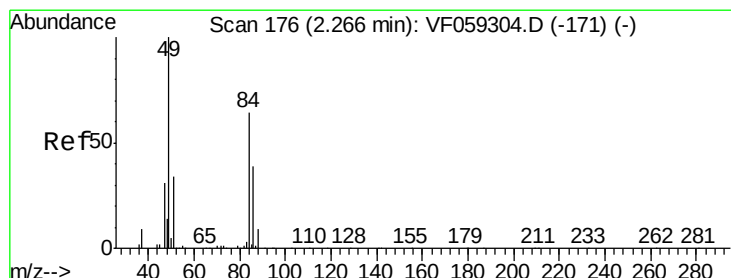
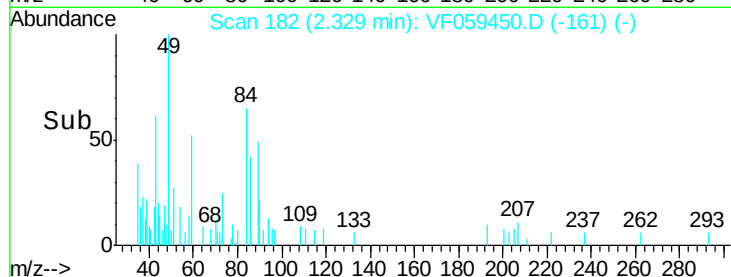
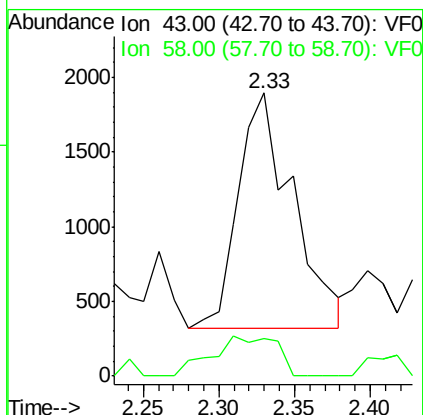
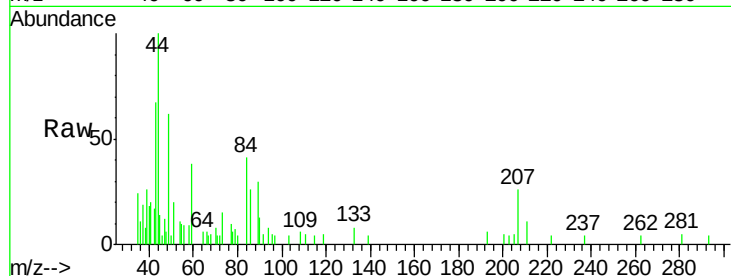




#16
Acetone
Concen: Below Cal
RT: 2.33 min Scan# 182
Delta R.T. 0.00 min
Lab File: VF059450.D
Acq: 6 Jul 2018 15:24

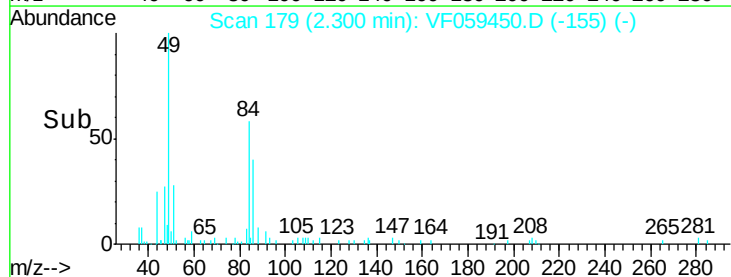
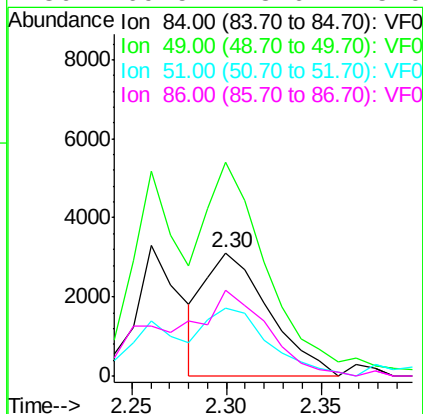
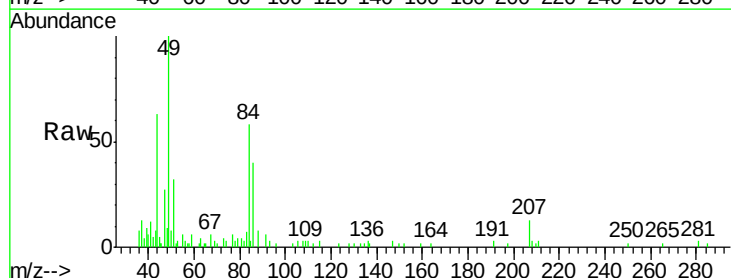
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBL01

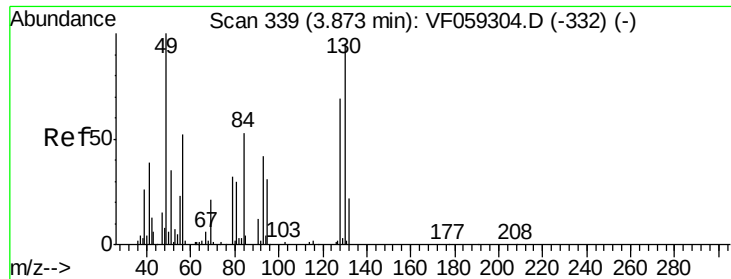
Tot Ion: 43 Resp: 3948
Ion Ratio Lower Upper
43 100
58 13.2 11.4 17.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.30 min Scan# 179
Delta R.T. 0.03 min
Lab File: VF059450.D
Acq: 6 Jul 2018 15:24

Tgt Ion: 84 Resp: 7296
Ion Ratio Lower Upper
84 100
49 173.1 126.5 189.7
51 55.1 42.9 64.3
86 69.5 48.6 73.0

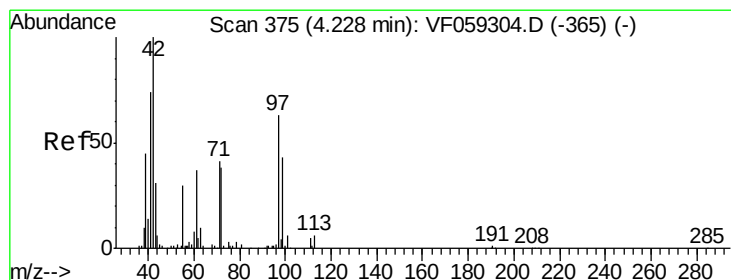
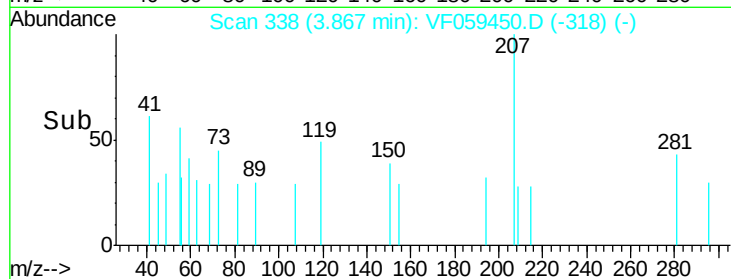
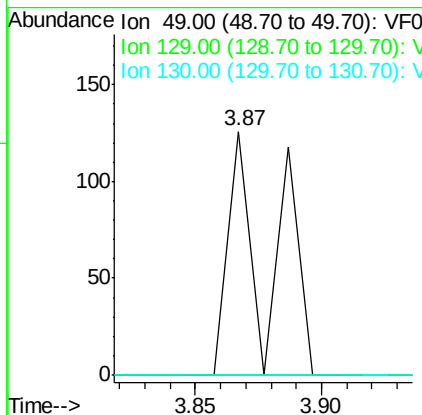
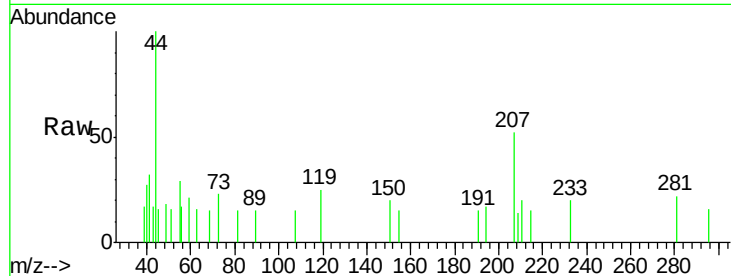




#28
Bromochloromethane
Concen: Below Cal
RT: 3.87 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF059450.D
Acq: 6 Jul 2018 15:24

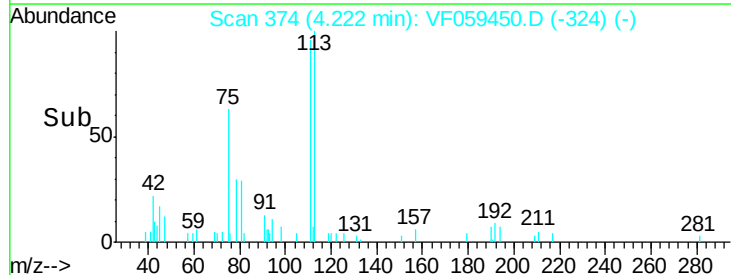
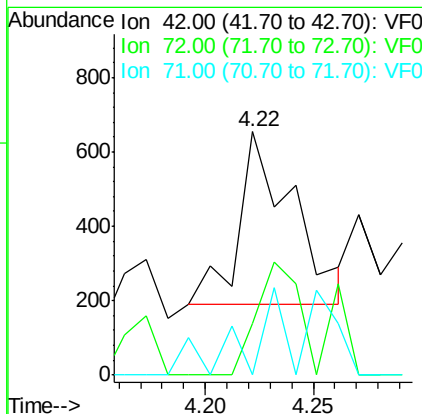
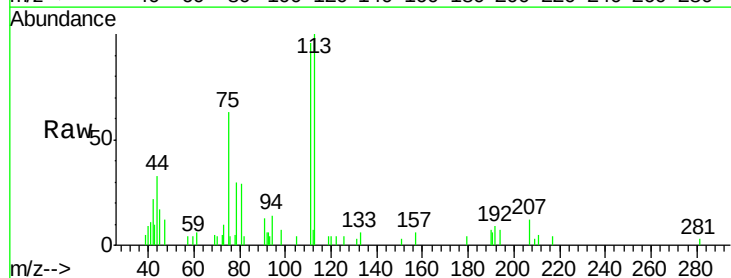
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBL01

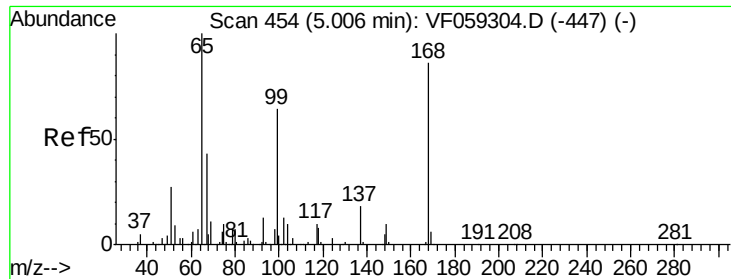
Tot Ion: 49 Resp: 144
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.4
130 0.0 75.1 112.7#



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.22 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF059450.D
Acq: 6 Jul 2018 15:24

Tgt Ion: 42 Resp: 813
Ion Ratio Lower Upper
42 100
72 67.9 30.5 45.7#
71 26.8 32.5 48.7#

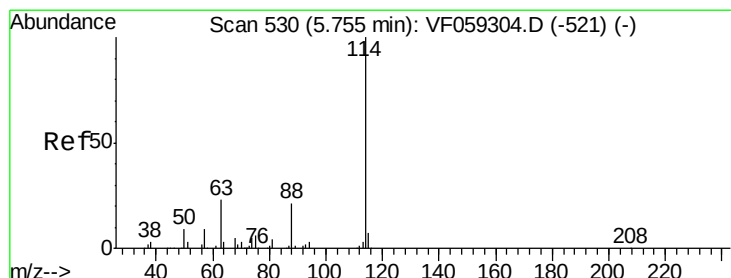
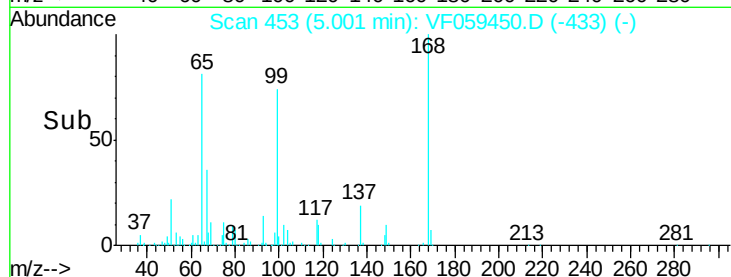
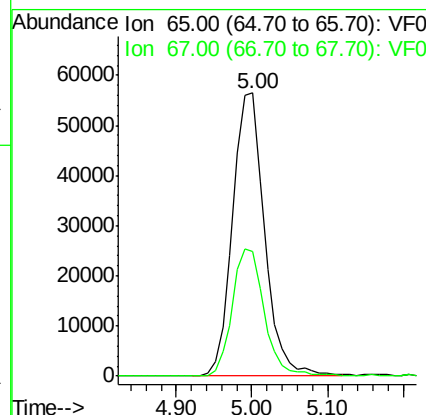
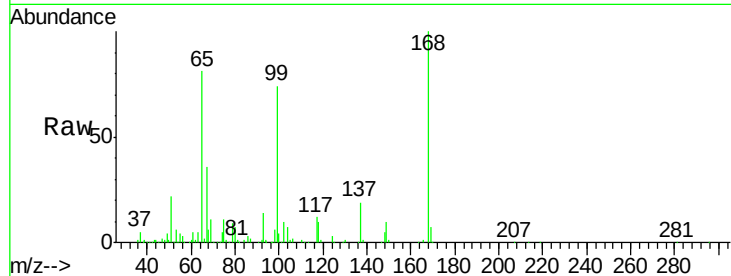




#33
 1,2-Dichloroethane-d4
 Concen: 44.956 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059450.D
 Acq: 6 Jul 2018 15:24

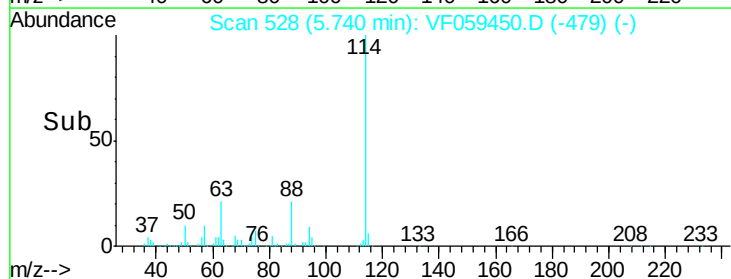
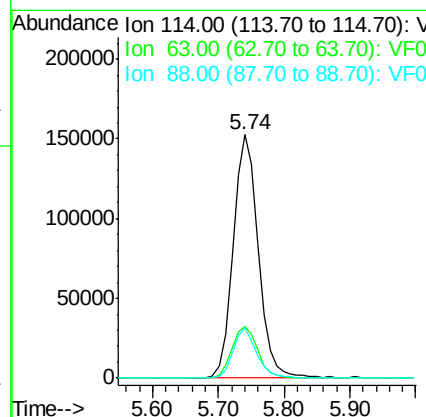
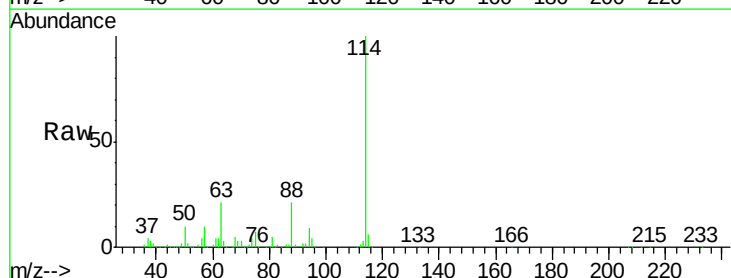
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBL01

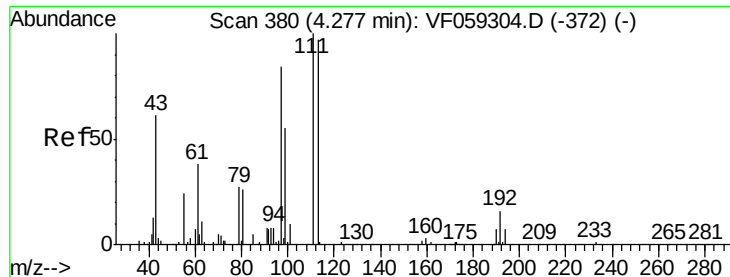
Tot Ion: 65 Resp: 165135
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VF059450.D
 Acq: 6 Jul 2018 15:24

Tgt Ion: 114 Resp: 409233
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 45.8
 88 20.8 0.0 41.2





#35

Dibromofluoromethane

Concen: 48.018 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059450.D

Acq: 6 Jul 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBL01

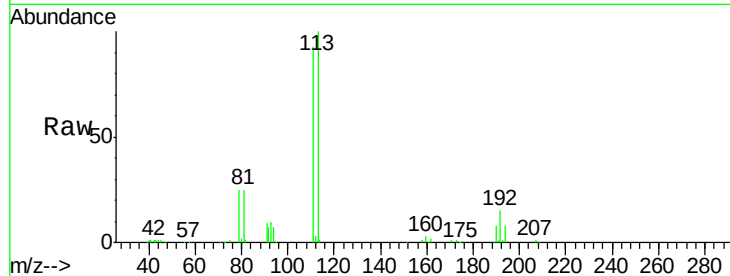
Tot Ion:113 Resp: 143581

Ion Ratio Lower Upper

113 100

111 93.1 82.1 123.1

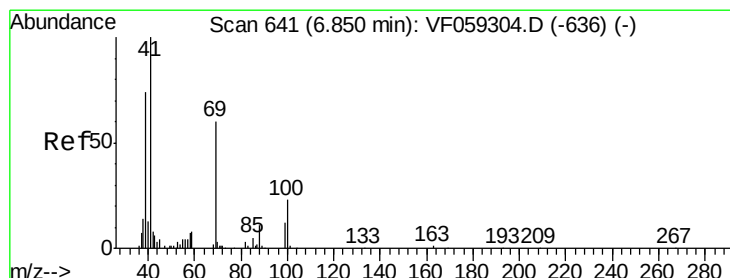
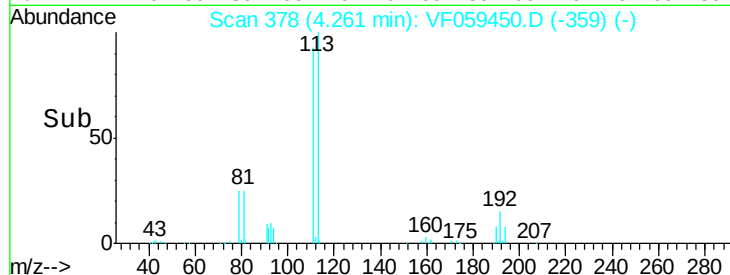
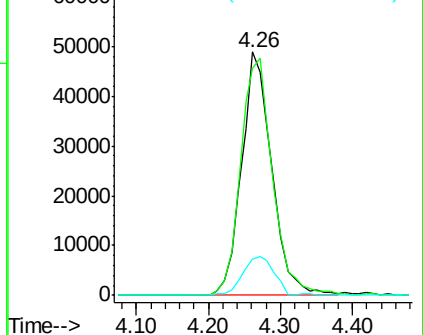
192 15.0 13.0 19.6



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: Below Cal

RT: 6.92 min Scan# 648

Delta R.T. 0.07 min

Lab File: VF059450.D

Acq: 6 Jul 2018 15:24

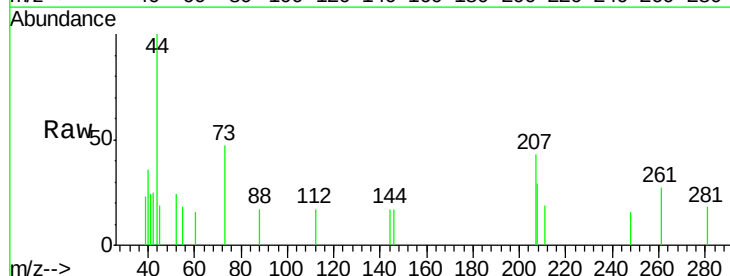
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 0.0 50.6 75.8#

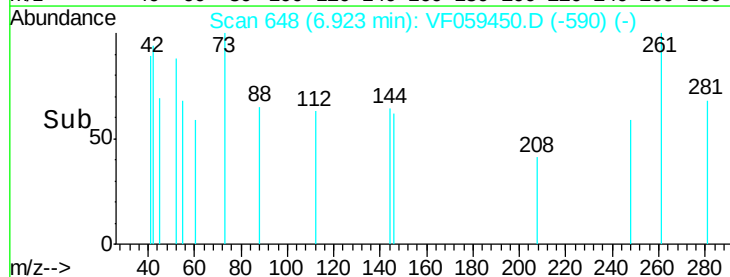
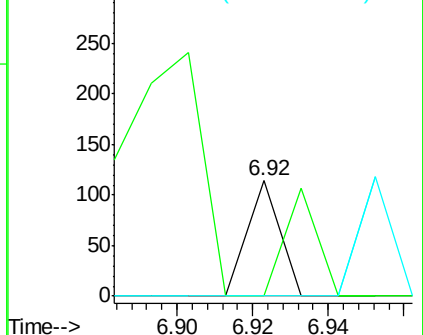
58 0.0 46.6 69.8#

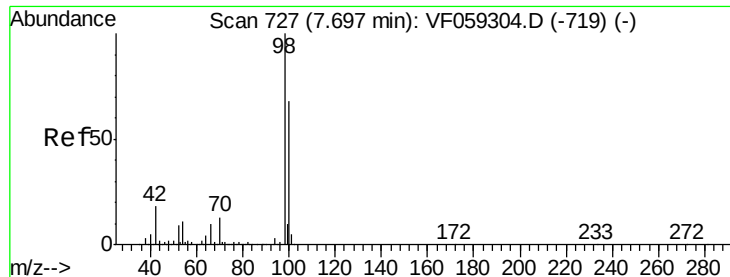


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

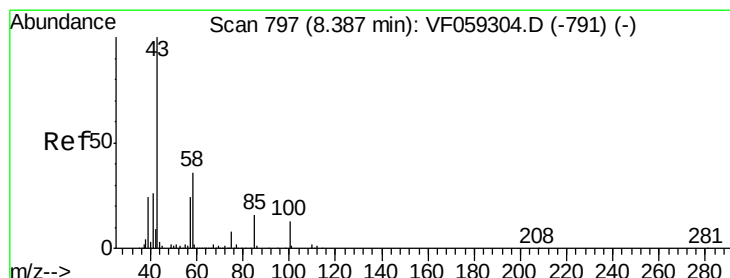
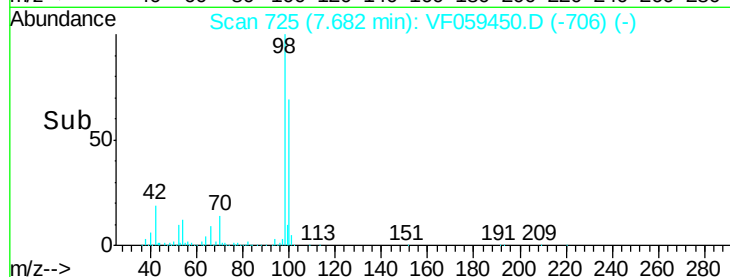
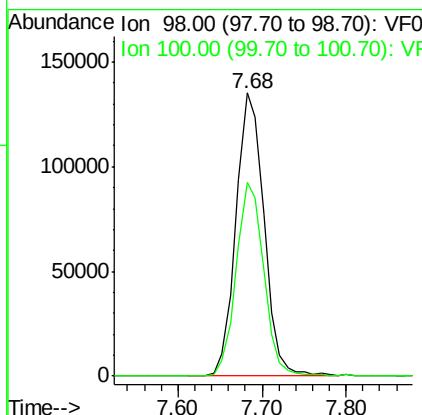
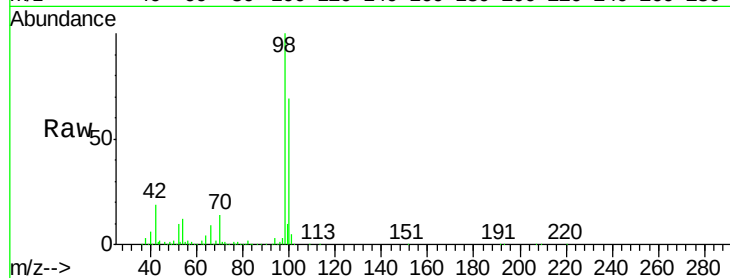




#50
Toluene-d8
Concen: 42.608 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059450.D
Acq: 6 Jul 2018 15:24

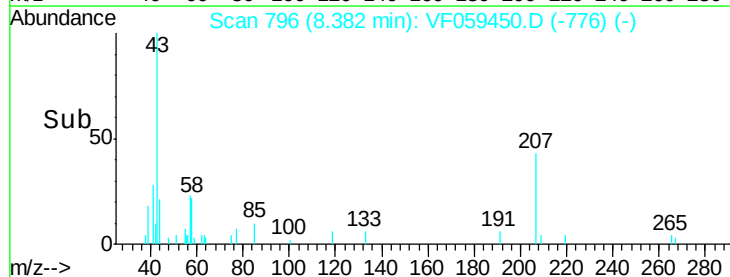
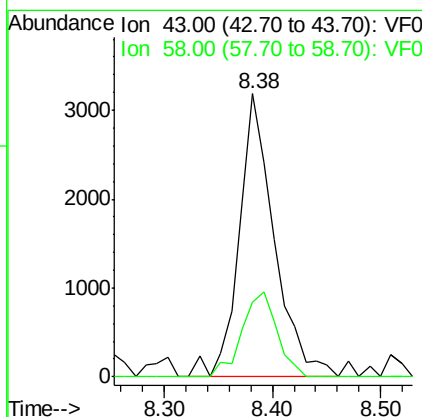
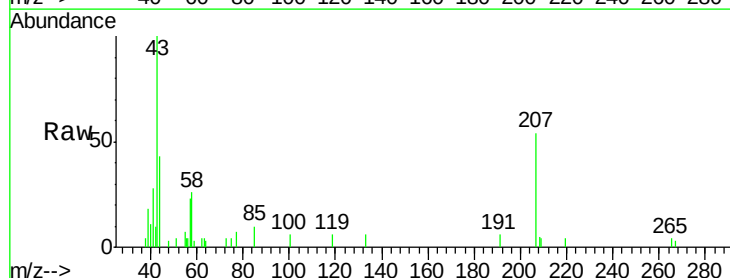
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBL01

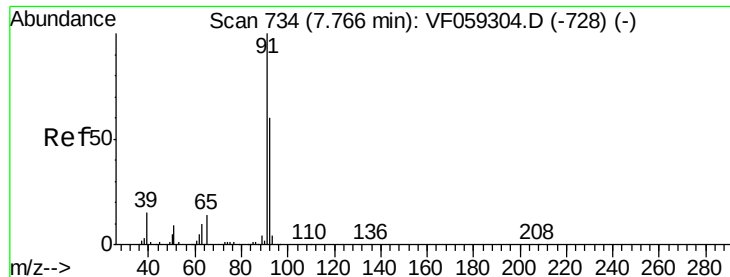
Tot Ion: 98 Resp: 315437
Ion Ratio Lower Upper
98 100
100 68.7 54.6 82.0



#51
4-Methyl-2-Pentanone
Concen: 3.265 ug/l
RT: 8.38 min Scan# 796
Delta R.T. -0.01 min
Lab File: VF059450.D
Acq: 6 Jul 2018 15:24

Tgt Ion: 43 Resp: 7204
Ion Ratio Lower Upper
43 100
58 26.2 28.4 42.6#

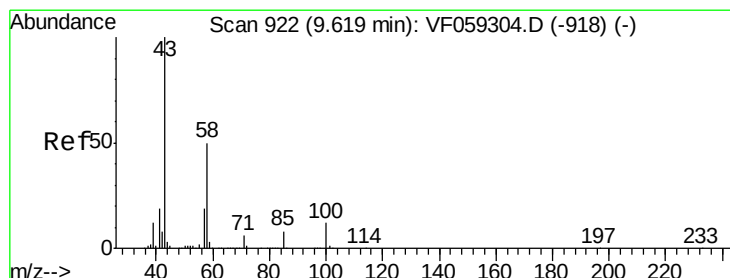
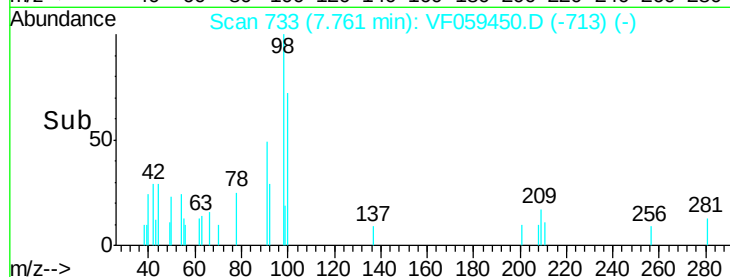
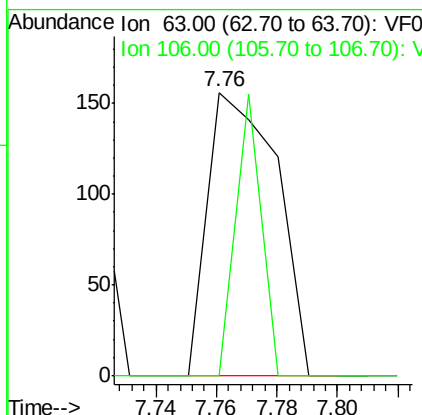
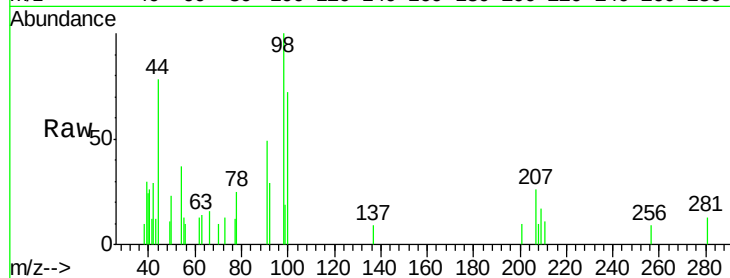




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.154 ug/l
 RT: 7.76 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059450.D
 Acq: 6 Jul 2018 15:24

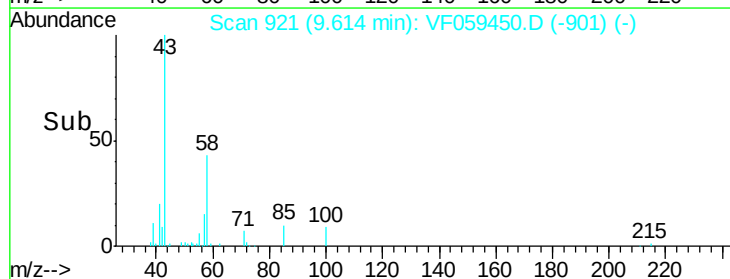
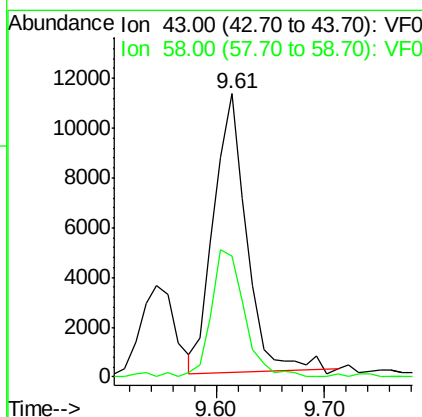
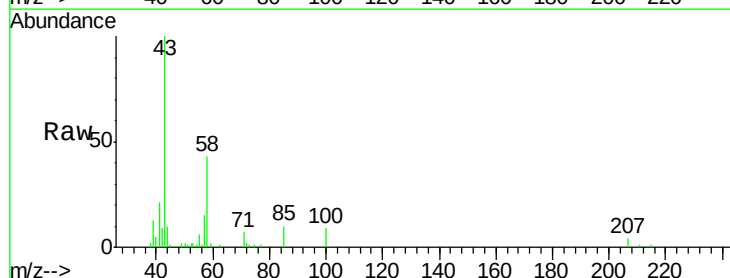
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBL01

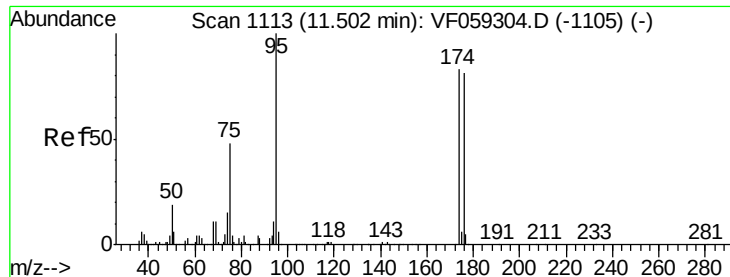
Tot Ion: 63 Resp: 247
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.61 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VF059450.D
 Acq: 6 Jul 2018 15:24

Tgt Ion: 43 Resp: 23438
 Ion Ratio Lower Upper
 43 100
 58 42.6 23.3 69.9





#62

4-Bromofluorobenzene

Concen: 46.246 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059450.D

Acq: 6 Jul 2018 15:24

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBL01

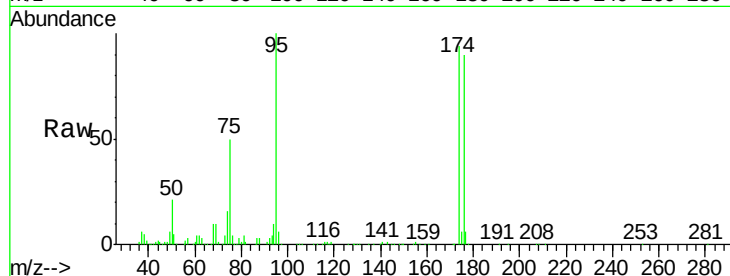
Tot Ion: 95 Resp: 193127

Ion Ratio Lower Upper

95 100

174 94.2 0.0 165.2

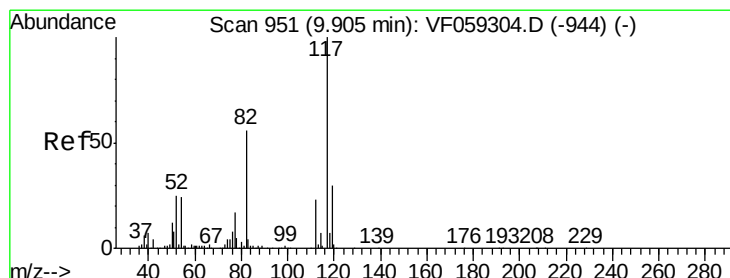
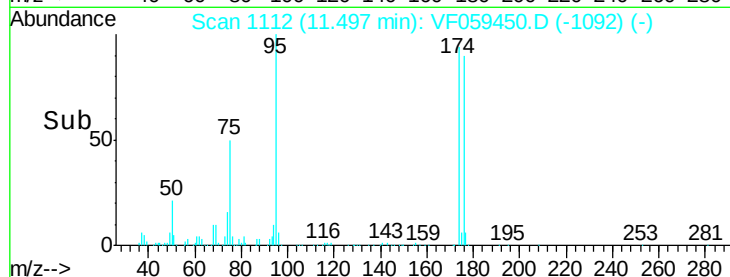
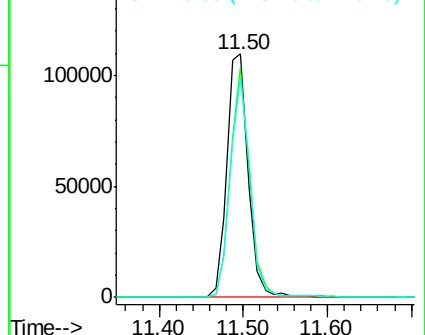
176 90.1 0.0 161.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 949

Delta R.T. -0.02 min

Lab File: VF059450.D

Acq: 6 Jul 2018 15:24

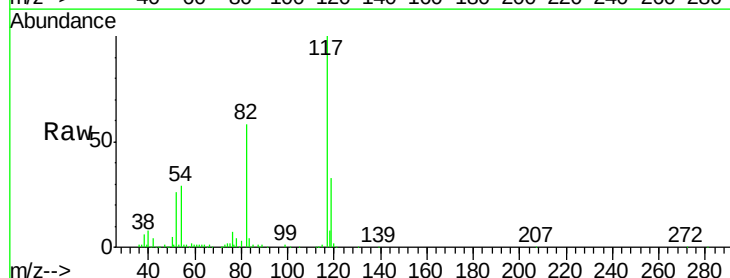
Tgt Ion: 117 Resp: 407562

Ion Ratio Lower Upper

117 100

82 57.8 44.6 66.8

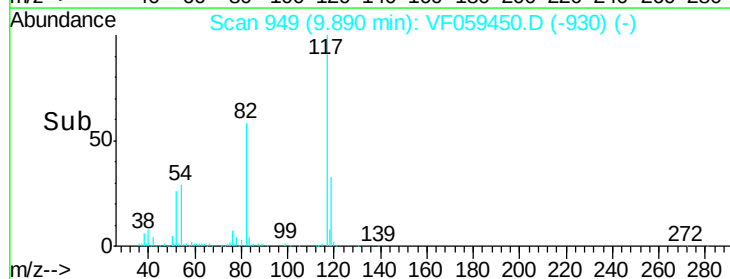
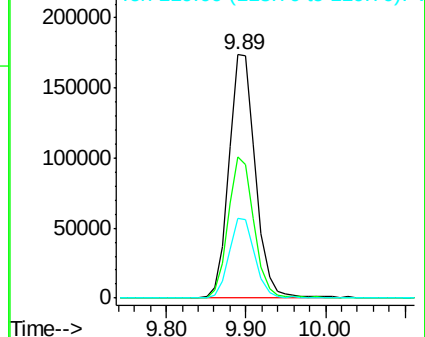
119 32.6 24.1 36.1

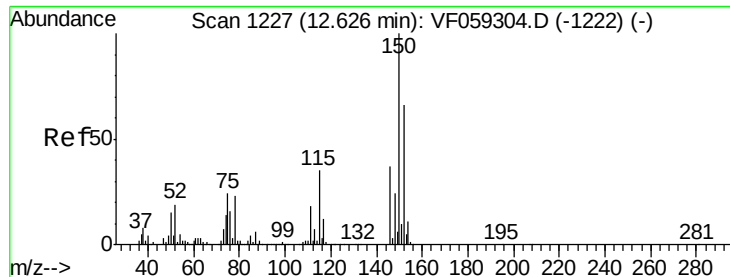


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



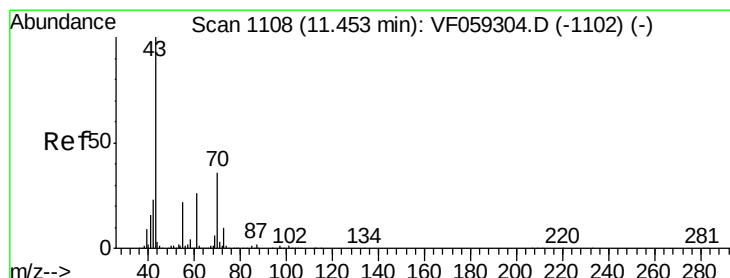
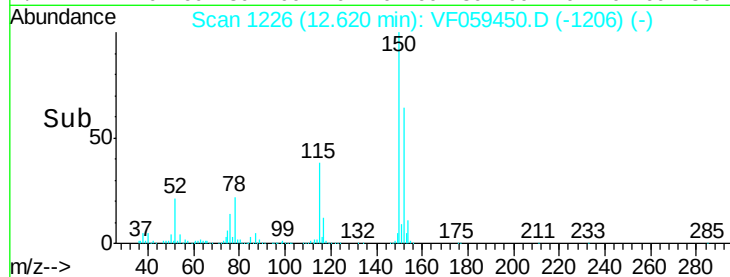
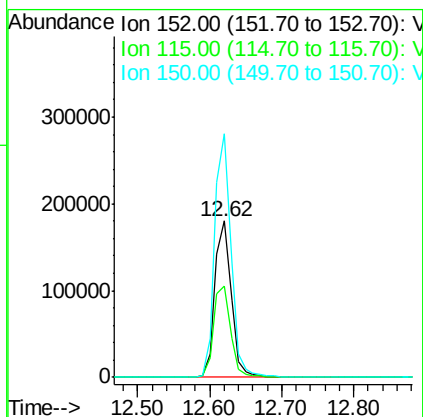
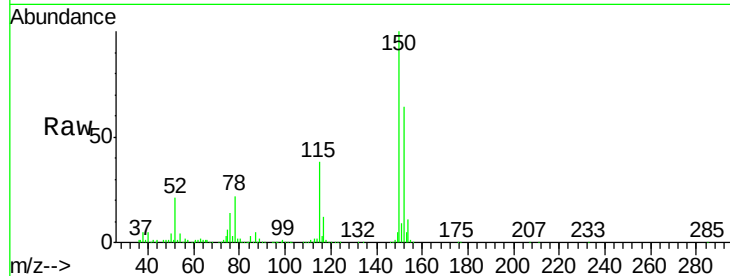


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059450.D
Acq: 6 Jul 2018 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBL01

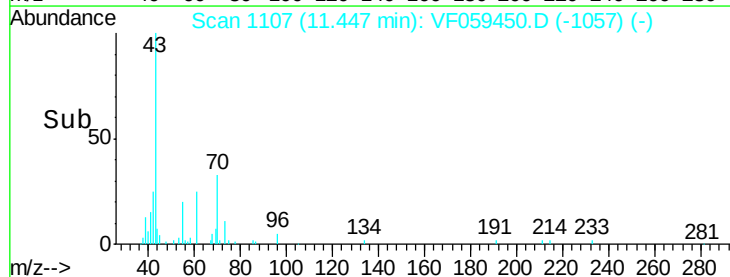
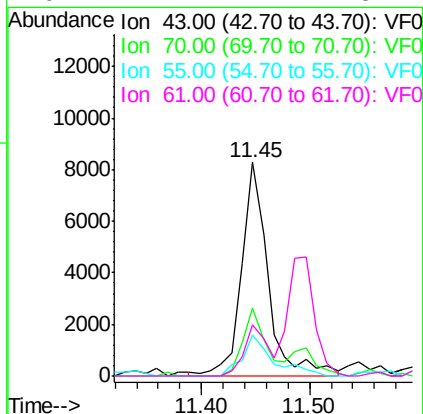
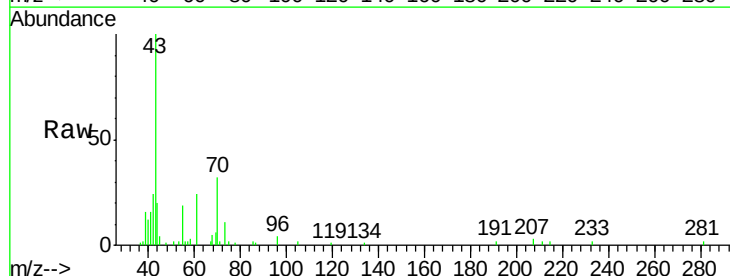
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.5	27.1	81.3
150	155.9	0.0	305.2

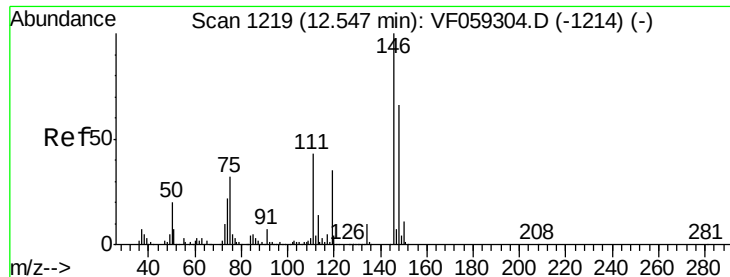


#74

N-ethyl acetate
Concen: 2.407 ug/l
RT: 11.45 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VF059450.D
Acq: 6 Jul 2018 15:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	31.9	28.8	43.2
55	19.4	17.4	26.0
61	24.1	21.1	31.7

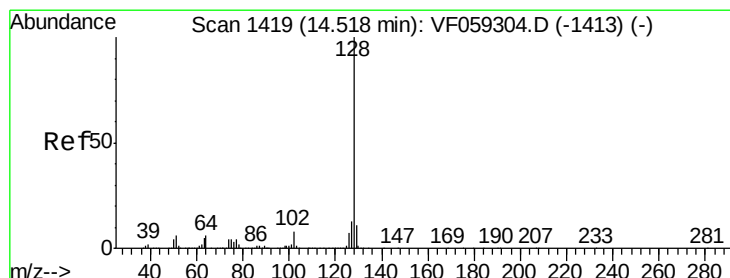
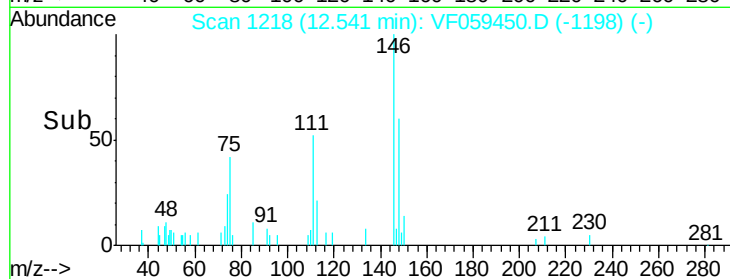
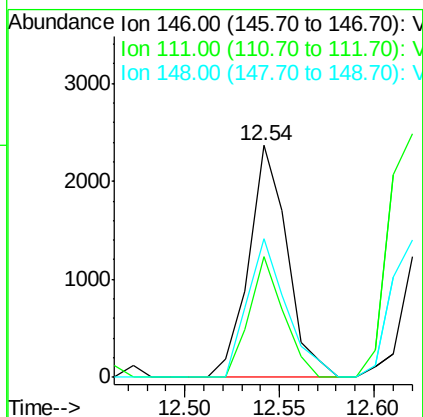
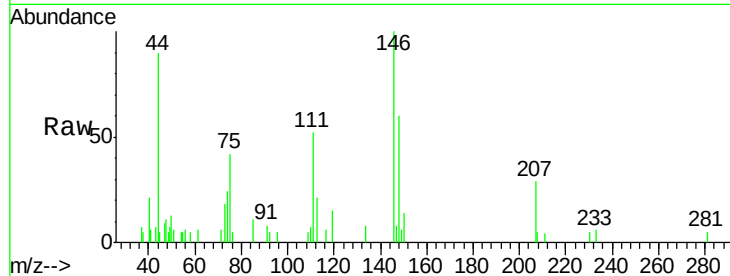




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059450.D
 Acq: 6 Jul 2018 15:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBL01

Tot Ion:146 Resp: 3346
 Ion Ratio Lower Upper
 146 100
 111 47.7 21.4 64.2
 148 55.1 32.8 98.4



#95
 Naphthalene
 Concen: 1.221 ug/l
 RT: 14.51 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VF059450.D
 Acq: 6 Jul 2018 15:24

Tgt Ion:128 Resp: 15488
 Ion Ratio Lower Upper
 128 100
 127 14.8 10.1 15.1
 129 12.2 8.8 13.2

