

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059290.D
 Acq On : 22 Jun 2018 22:51
 Operator : VA/AP
 Sample : J3604-01
 Misc : 6.11g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-7(9-9.5)

Quant Time: Jun 23 04:38:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	190919	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	289727	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	295113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	192264	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	150284	54.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.68%	
35) Dibromofluoromethane	4.28	113	132672	54.43	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	108.86%	
50) Toluene-d8	7.70	98	306000	49.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.51	95	183894	53.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.96%	

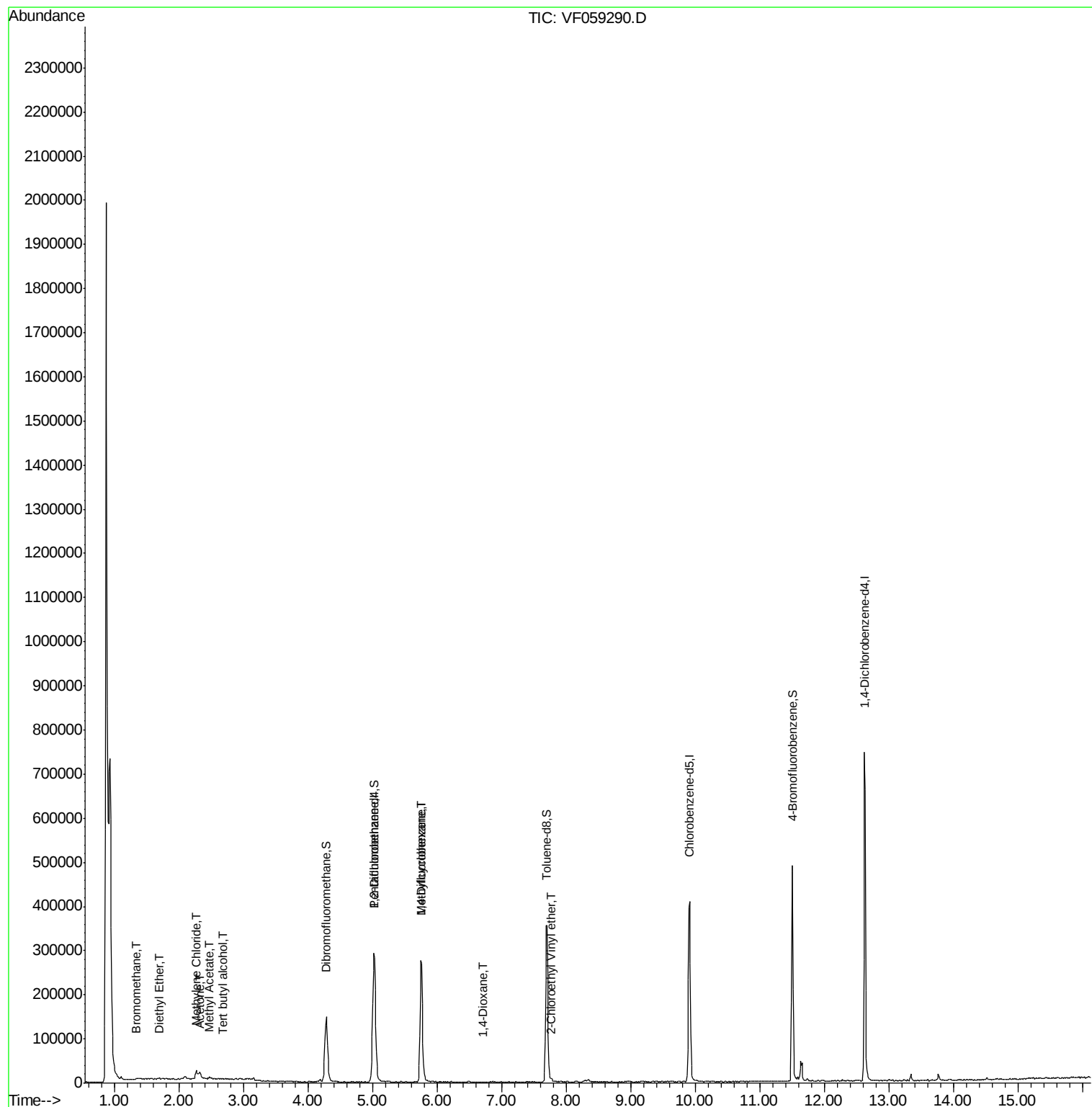
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.34	94	192	1.956	ug/l #	1
8) Diethyl Ether	1.70	74	616	1.007	ug/l	91
11) Tert butyl alcohol	2.68	59	495	3.100	ug/l #	70
13) Acrolein	2.09	56	668	Below Cal	#	1
15) Acrylonitrile	3.07	53	366	Below Cal	#	38
16) Acetone	2.34	43	9482	14.639	ug/l	99
18) Methyl Acetate	2.47	43	2974	2.435	ug/l #	66
20) Methylene Chloride	2.27	84	6952	3.502	ug/l #	89
39) Methylcyclohexane	5.75	83	4689	1.721	ug/l #	40
49) 1,4-Dioxane	6.72	88	62	7.084	ug/l #	15
58) 2-Chloroethyl Vinyl ether	7.78	63	257	1.460	ug/l	100

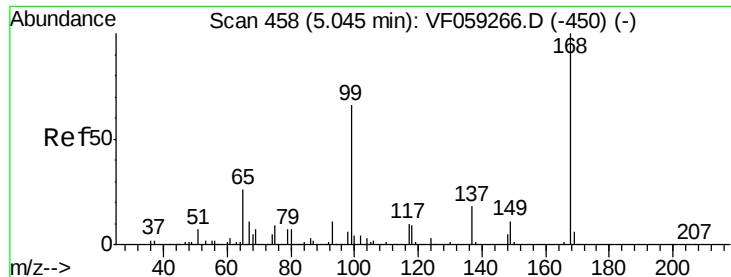
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059290.D

Acq: 22 Jun 2018 22:51

Instrument :

MSVOA_F

ClientSampleId :

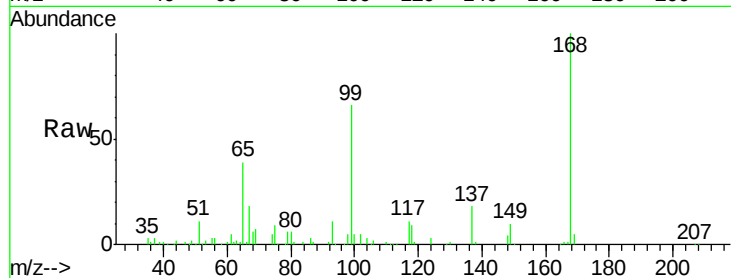
S-7(9-9.5)

Tgt Ion:168 Resp: 190919

Ion Ratio Lower Upper

168 100

99 65.5 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

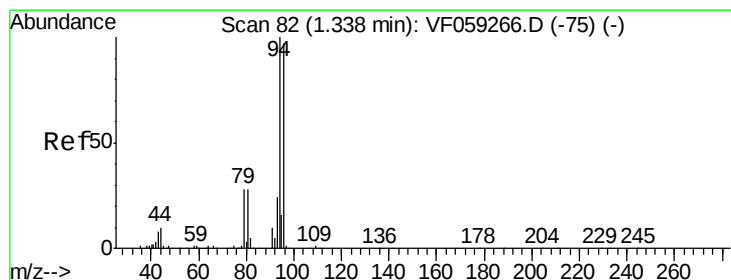
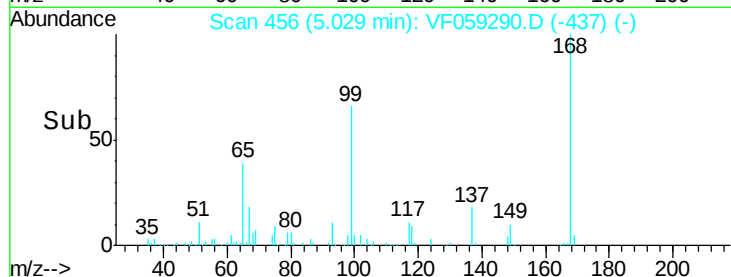
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#5

Bromomethane

Concen: 1.956 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059290.D

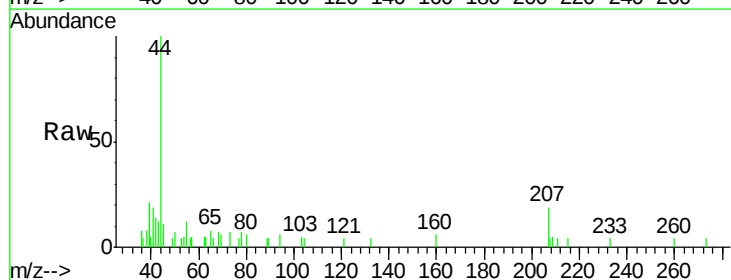
Acq: 22 Jun 2018 22:51

Tgt Ion: 94 Resp: 192

Ion Ratio Lower Upper

94 100

96 0.0 77.7 116.5#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.34

250

200

150

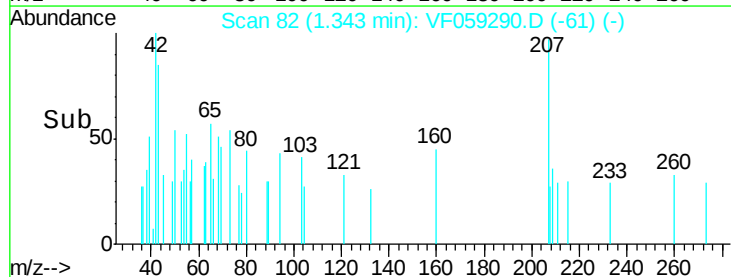
100

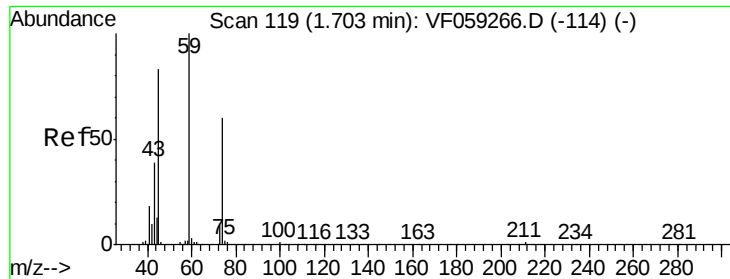
50

0

Time-->

1.30 1.32 1.34 1.36





#8

Diethyl Ether

Concen: 1.007 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059290.D

Acq: 22 Jun 2018 22:51

Instrument :

MSVOA_F

ClientSampleId :

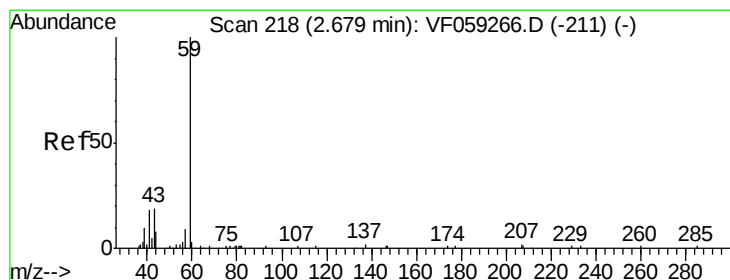
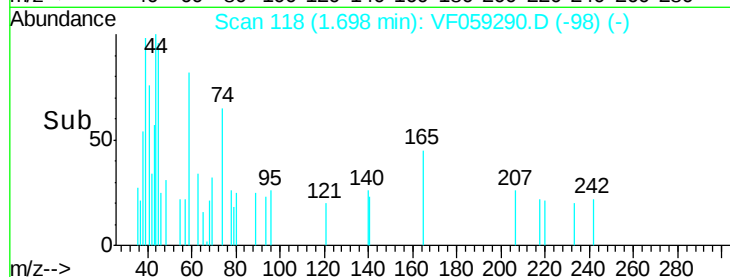
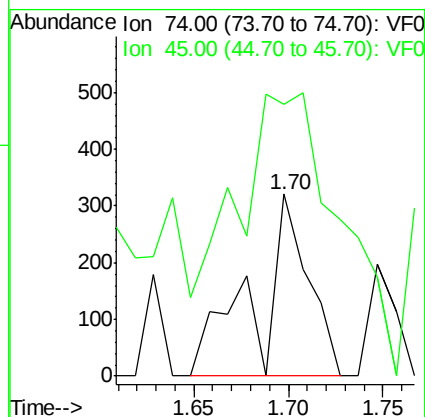
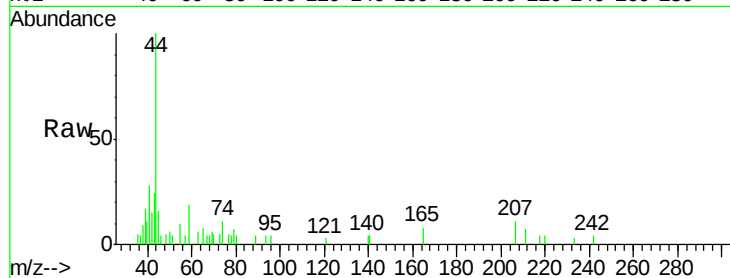
S-7(9-9.5)

Tgt Ion: 74 Resp: 616

Ion Ratio Lower Upper

74 100

45 149.2 69.2 207.4



#11

Tert butyl alcohol

Concen: 3.100 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.00 min

Lab File: VF059290.D

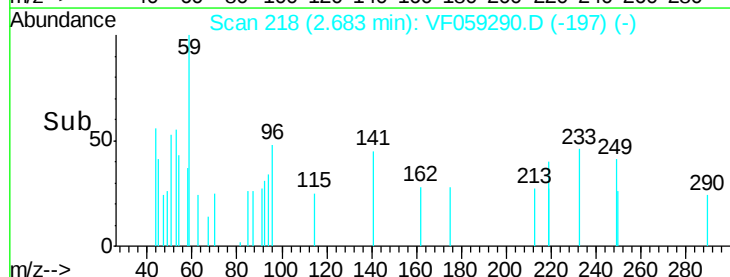
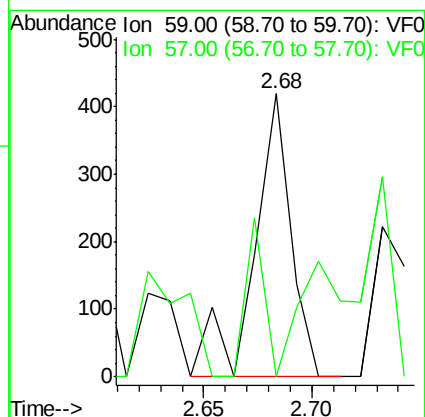
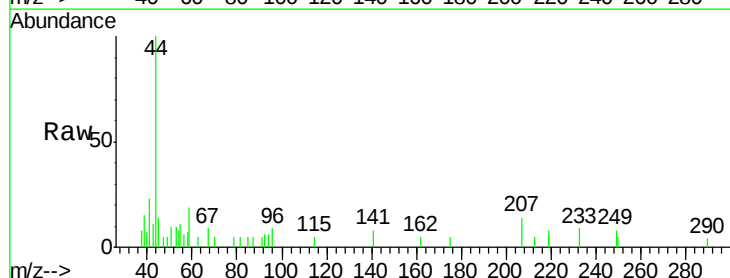
Acq: 22 Jun 2018 22:51

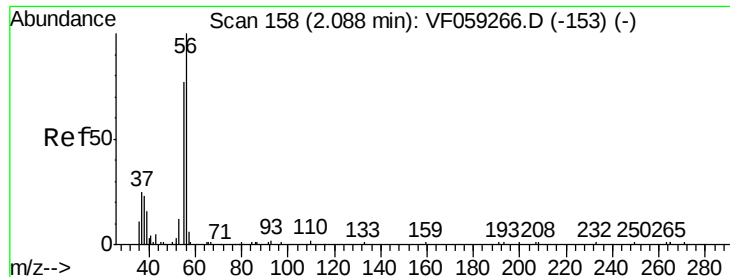
Tgt Ion: 59 Resp: 495

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#





#13

Acrolein

Concen: Below Cal

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059290.D

Acq: 22 Jun 2018 22:51

Instrument :

MSVOA_F

ClientSampleId :

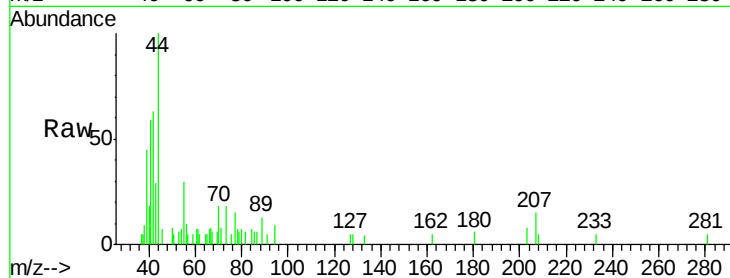
S-7(9-9.5)

Tgt Ion: 56 Resp: 668

Ion Ratio Lower Upper

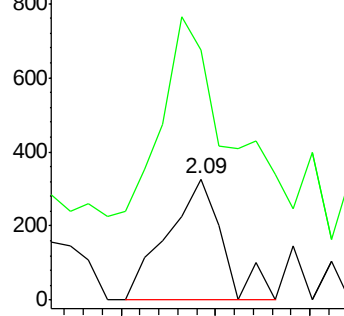
56 100

55 206.7 63.0 94.6#

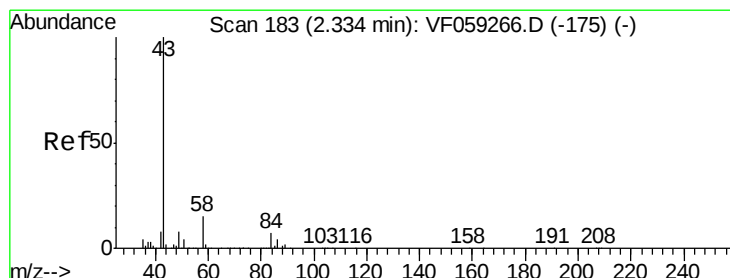
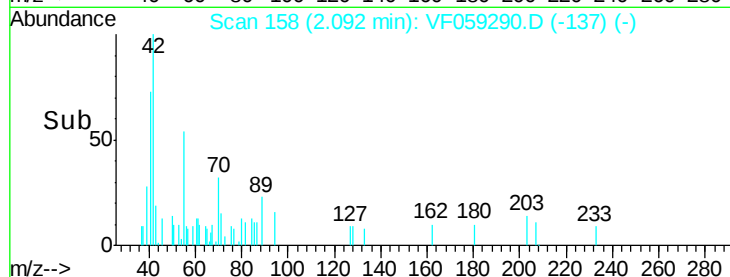


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#16

Acetone

Concen: 14.639 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059290.D

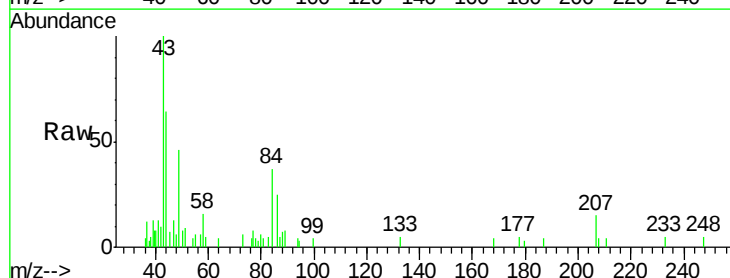
Acq: 22 Jun 2018 22:51

Tgt Ion: 43 Resp: 9482

Ion Ratio Lower Upper

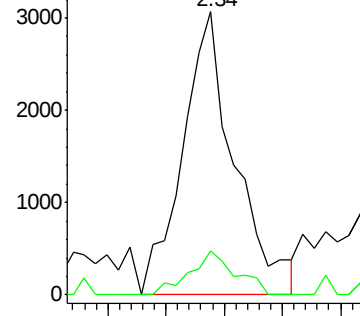
43 100

58 15.6 12.1 18.1

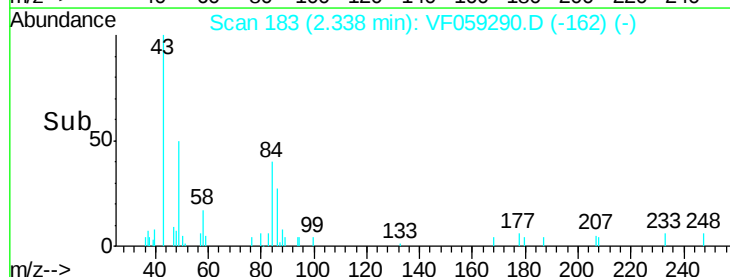


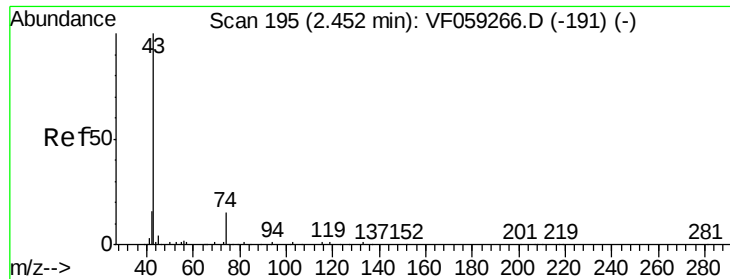
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

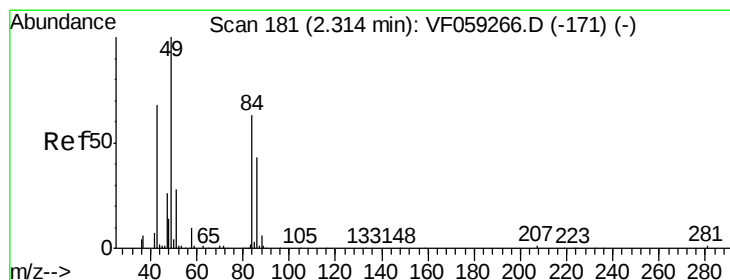
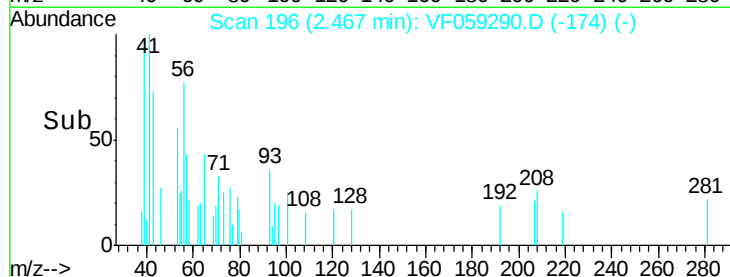
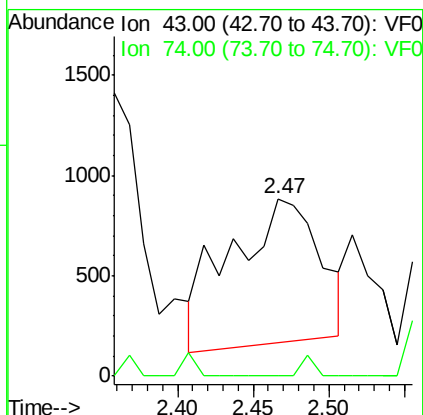
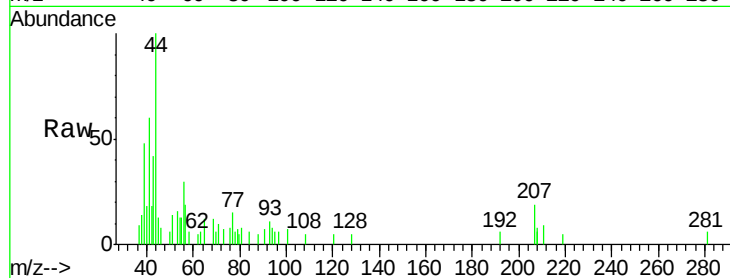




#18
Methyl Acetate
Concen: 2.435 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF059290.D
Acq: 22 Jun 2018 22:51

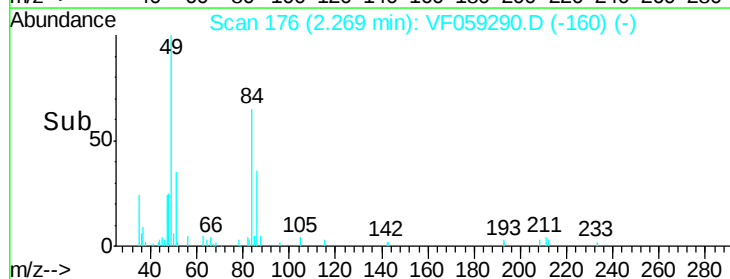
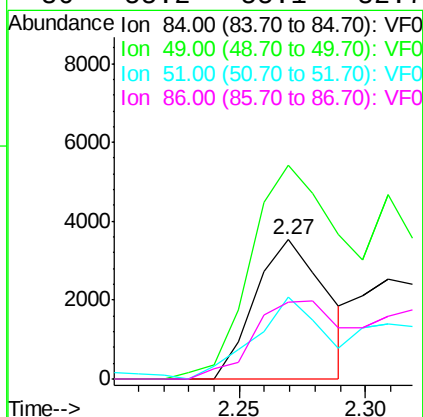
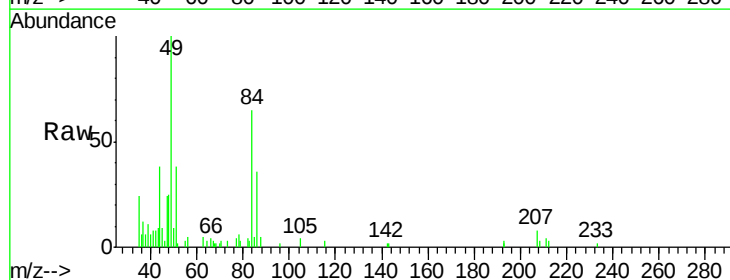
Instrument :
MSVOA_F
ClientSampleId :
S-7(9-9.5)

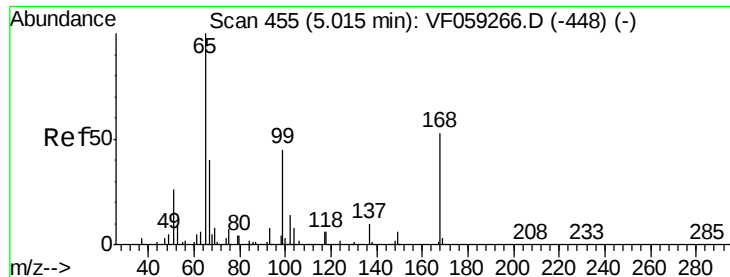
Tgt Ion: 43 Resp: 2974
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.4#



#20
Methylene Chloride
Concen: 3.502 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.04 min
Lab File: VF059290.D
Acq: 22 Jun 2018 22:51

Tgt Ion: 84 Resp: 6952
Ion Ratio Lower Upper
84 100
49 153.4 130.0 195.0
51 58.9 36.6 55.0#
86 55.2 55.1 82.7

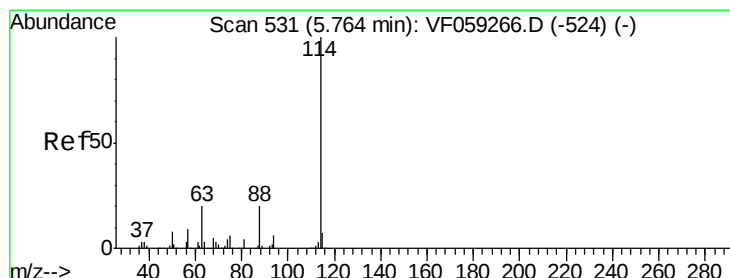
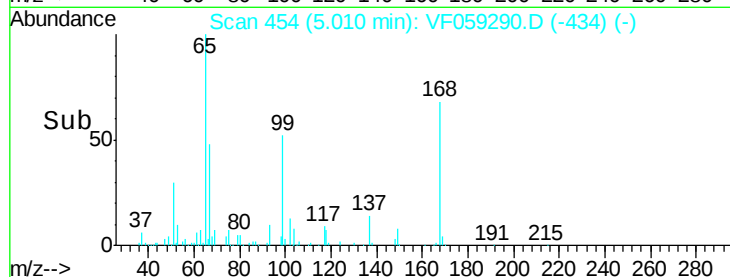
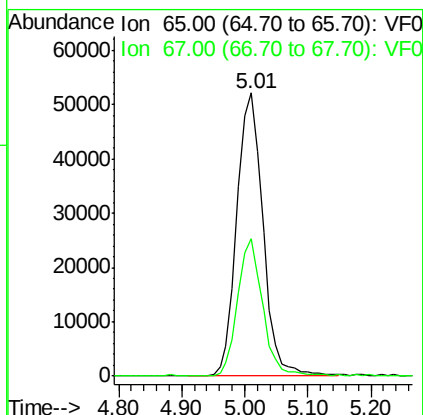
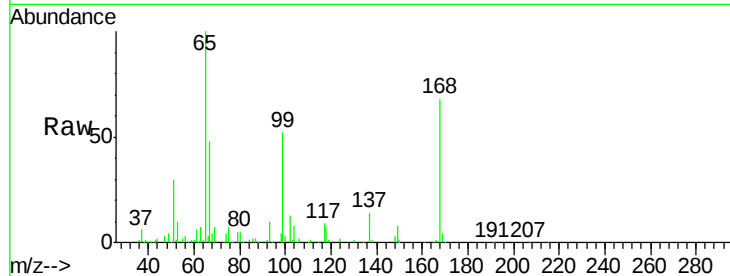




#33
 1,2-Dichloroethane-d4
 Concen: 54.838 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059290.D
 Acq: 22 Jun 2018 22:51

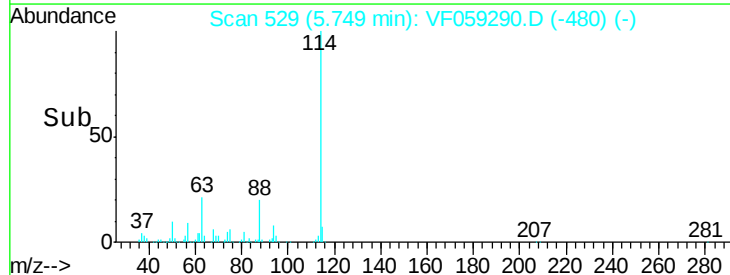
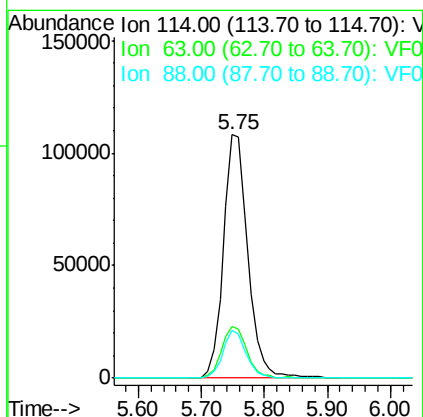
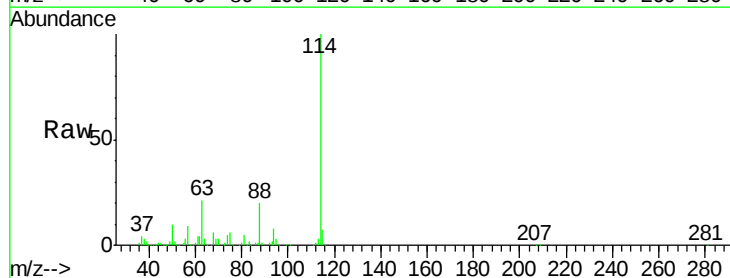
Instrument :
 MSVOA_F
 ClientSampleId :
 S-7(9-9.5)

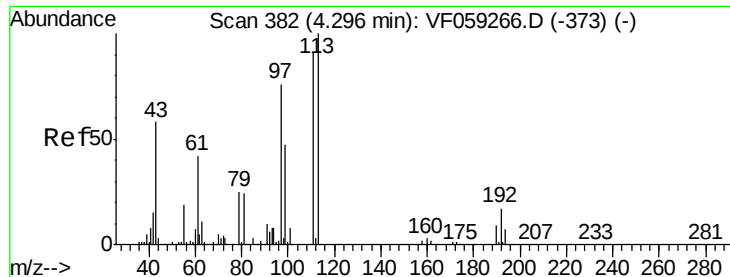
Tgt Ion: 65 Resp: 150284
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 95.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.02 min
 Lab File: VF059290.D
 Acq: 22 Jun 2018 22:51

Tgt Ion: 114 Resp: 289727
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.0
 88 19.6 0.0 39.6





#35

Dibromofluoromethane

Concen: 54.427 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059290.D

Acq: 22 Jun 2018 22:51

Instrument :

MSVOA_F

ClientSampleId :

S-7(9-9.5)

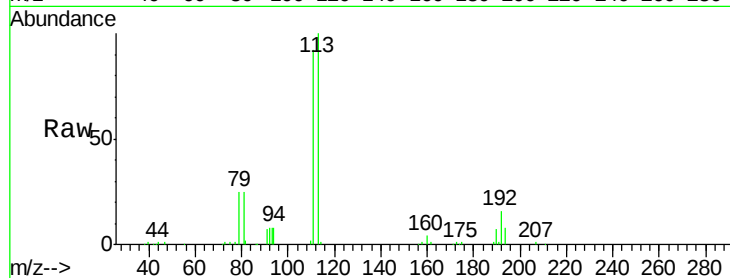
Tgt Ion: 113 Resp: 132672

Ion Ratio Lower Upper

113 100

111 92.3 73.1 109.7

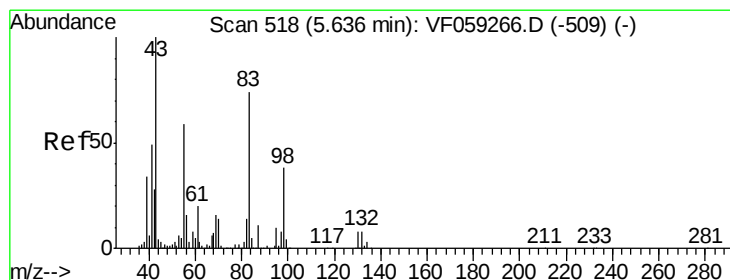
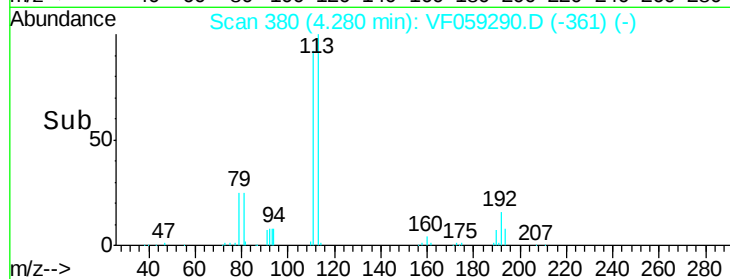
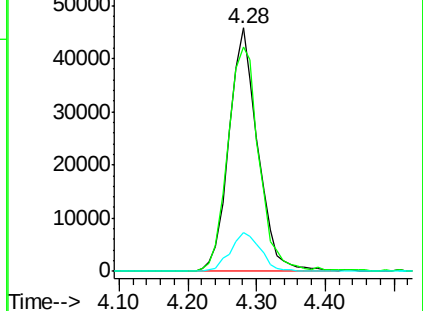
192 16.1 13.9 20.9



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



#39

Methylcyclohexane

Concen: 1.721 ug/l

RT: 5.75 min Scan# 529

Delta R.T. 0.11 min

Lab File: VF059290.D

Acq: 22 Jun 2018 22:51

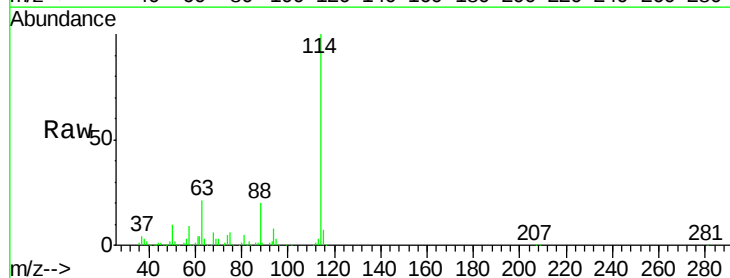
Tgt Ion: 83 Resp: 4689

Ion Ratio Lower Upper

83 100

55 34.7 63.7 95.5#

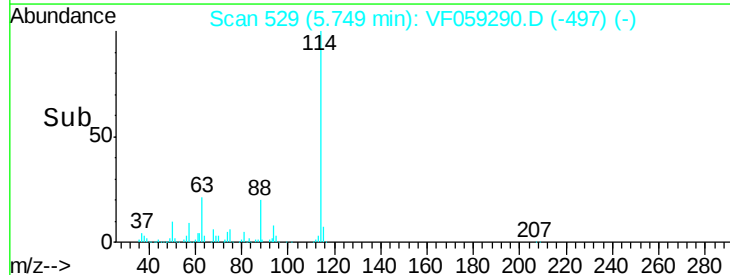
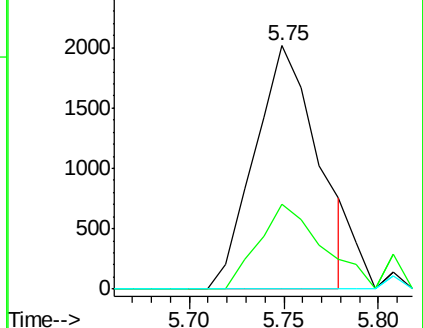
98 0.0 41.6 62.4#

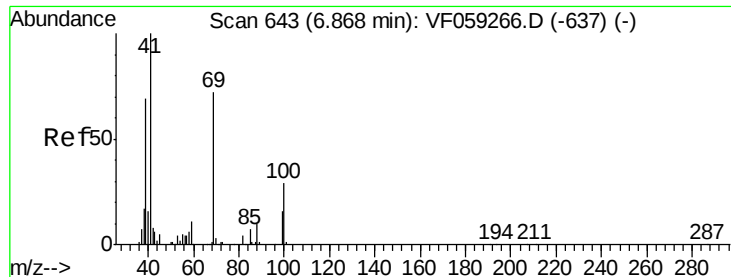


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: 7.084 ug/l

RT: 6.72 min Scan# 628

Delta R.T. -0.14 min

Lab File: VF059290.D

Acq: 22 Jun 2018 22:51

Instrument :

MSVOA_F

ClientSampleId :

S-7(9-9.5)

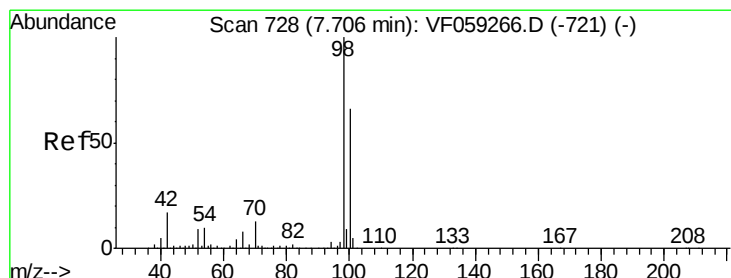
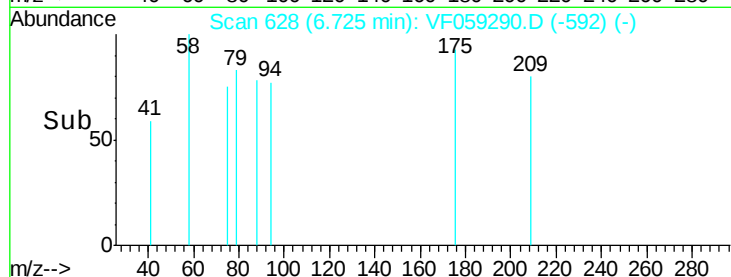
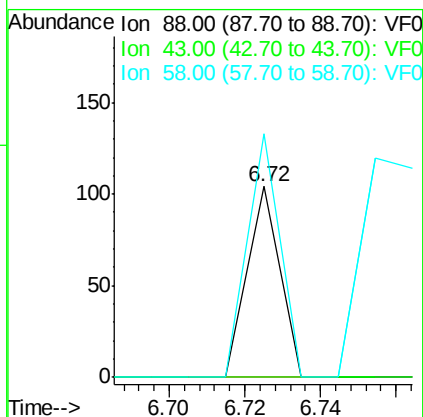
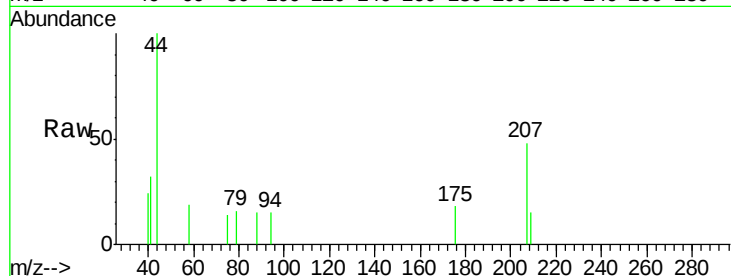
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 55.5 83.3#

58 127.9 50.1 75.1#



#50

Toluene-d8

Concen: 49.352 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059290.D

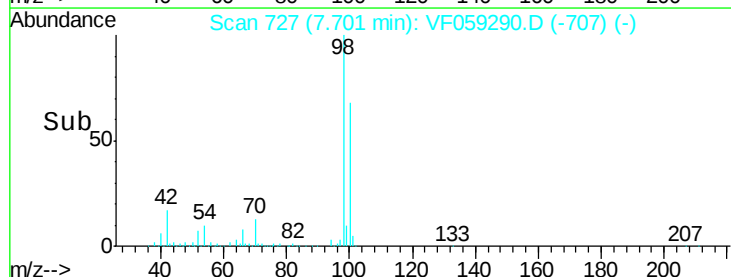
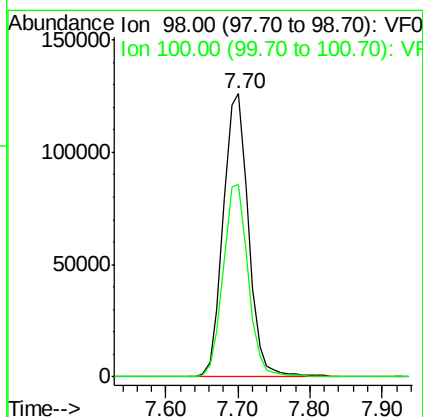
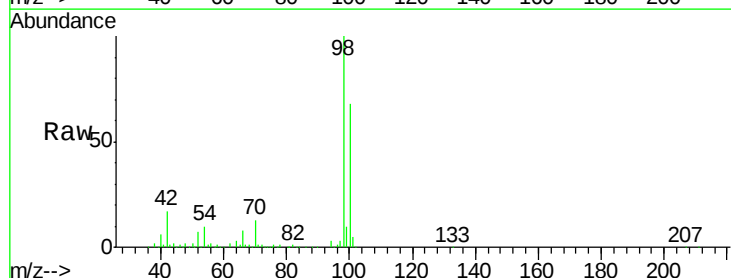
Acq: 22 Jun 2018 22:51

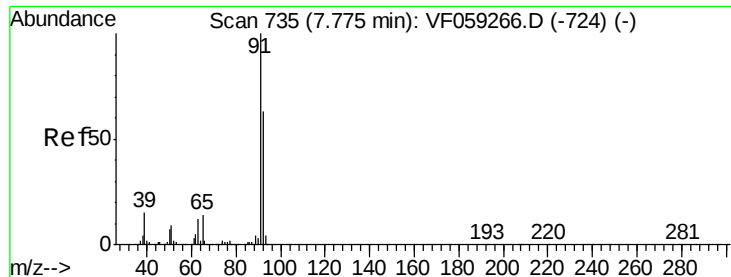
Tgt Ion: 98 Resp: 306000

Ion Ratio Lower Upper

98 100

100 68.1 52.8 79.2





#58

2-Chloroethyl Vinyl ether

Concen: 1.460 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059290.D

Acq: 22 Jun 2018 22:51

Instrument :

MSVOA_F

ClientSampleId :

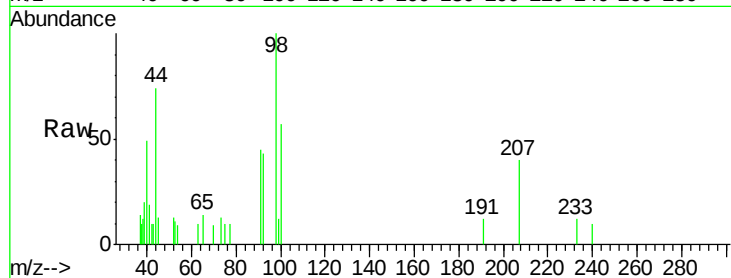
S-7(9-9.5)

Tgt Ion: 63 Resp: 257

Ion Ratio Lower Upper

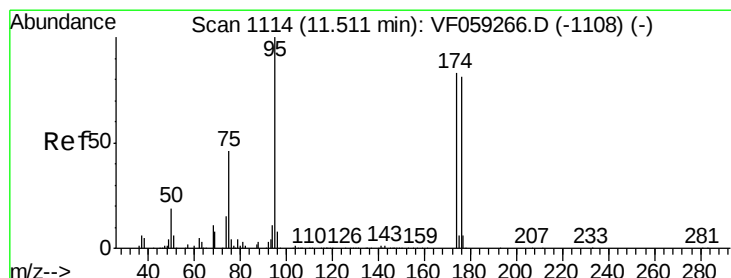
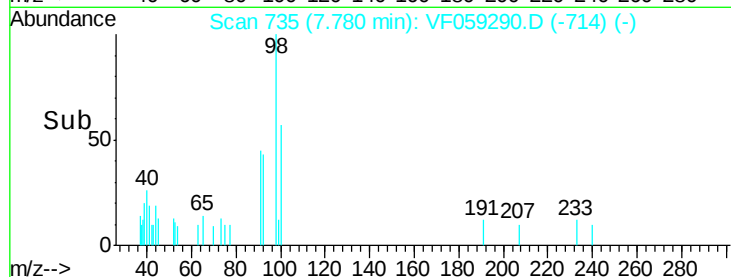
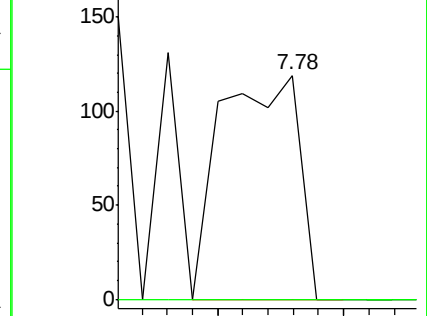
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#62

4-Bromofluorobenzene

Concen: 53.485 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059290.D

Acq: 22 Jun 2018 22:51

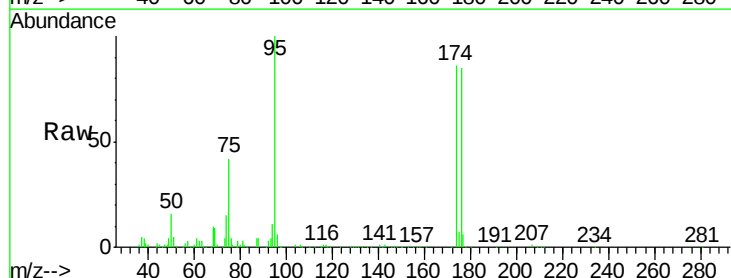
Tgt Ion: 95 Resp: 183894

Ion Ratio Lower Upper

95 100

174 86.4 0.0 166.2

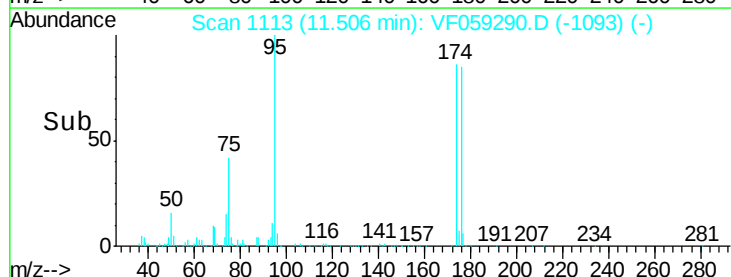
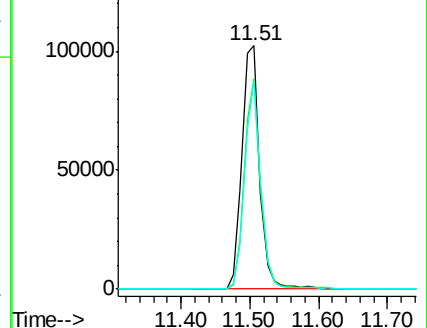
176 85.1 0.0 162.8

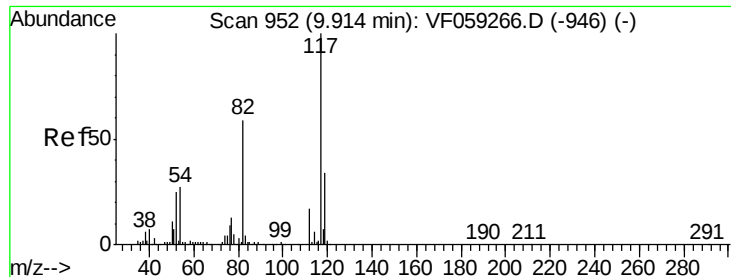


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

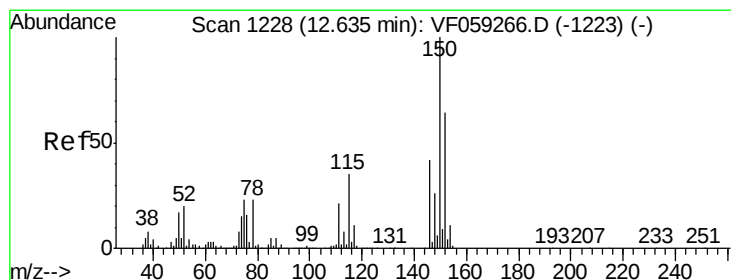
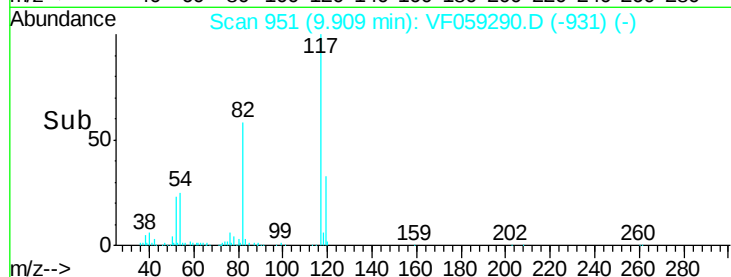
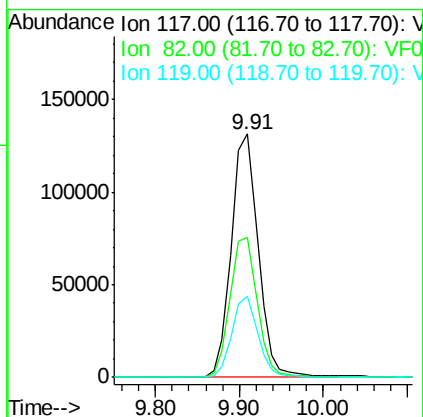
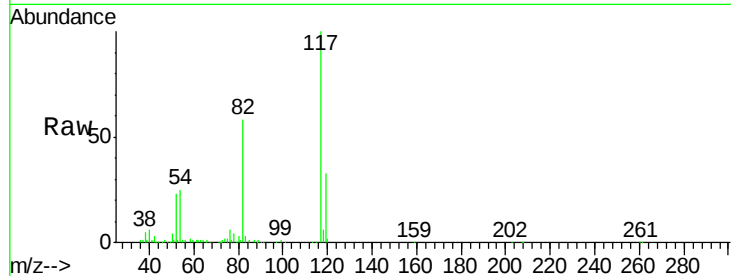




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059290.D
Acq: 22 Jun 2018 22:51

Instrument :
MSVOA_F
ClientSampleId :
S-7(9-9.5)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.1	70.7
119	33.1	26.9	40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059290.D
Acq: 22 Jun 2018 22:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	27.8	83.3
150	148.2	0.0	313.8

