

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059220.D
 Acq On : 20 Jun 2018 7:40
 Operator : VA/AP
 Sample : J3575-14
 Misc : 9.71g/5mL/MSVOA-F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 08:14:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

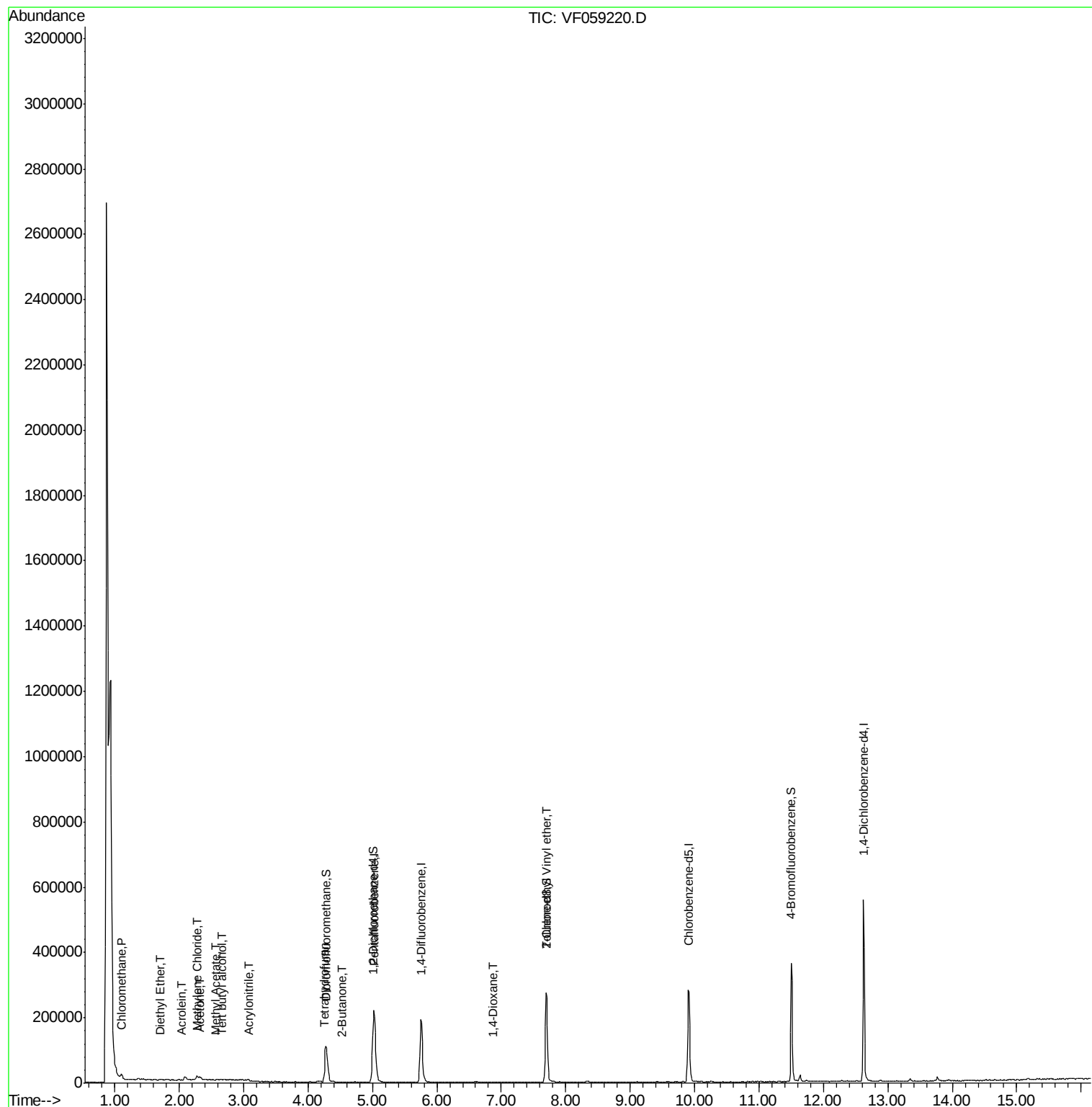
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	146746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	214374	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	205107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	139654	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	114108	64.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.24%	
35) Dibromofluoromethane	4.29	113	101712	67.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.24%	
50) Toluene-d8	7.70	98	227375	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	11.50	95	129707	57.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.46%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.10	50	1455	1.131	ug/l #	87
8) Diethyl Ether	1.70	74	657	1.447	ug/l	68
11) Tert butyl alcohol	2.68	59	547	4.797	ug/l #	71
13) Acrolein	2.05	56	301	3.050	ug/l	96
15) Acrylonitrile	3.07	53	368	1.625	ug/l #	24
16) Acetone	2.33	43	8009	18.848	ug/l #	79
18) Methyl Acetate	2.55	43	812	1.112	ug/l	94
20) Methylene Chloride	2.27	84	7647	7.516	ug/l #	90
25) 2-Butanone	4.51	43	785	1.192	ug/l #	56
29) Tetrahydrofuran	4.25	42	609	2.098	ug/l #	48
49) 1,4-Dioxane	6.88	88	60	19.995	ug/l #	19
58) 2-Chloroethyl Vinyl ether	7.71	63	314	2.767	ug/l	100
89) n-Butylbenzene	12.92	91	309	Below Cal	#	28

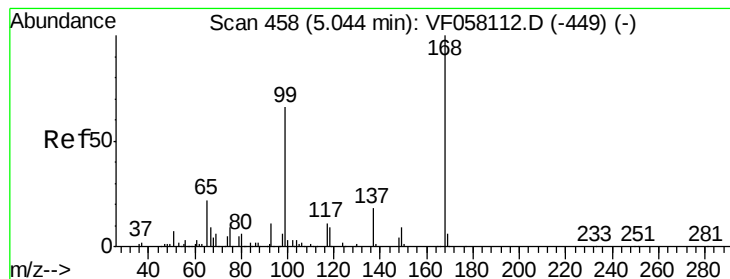
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059220.D

Acq: 20 Jun 2018 7:40

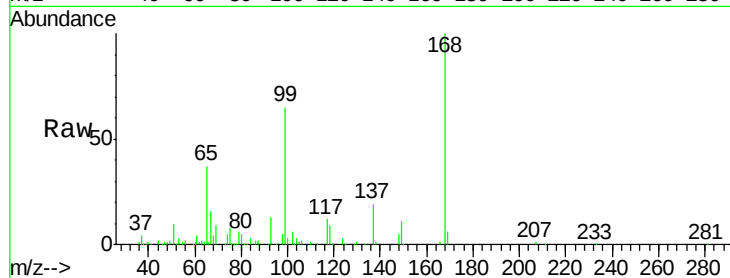
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 146746

Ion Ratio Lower Upper

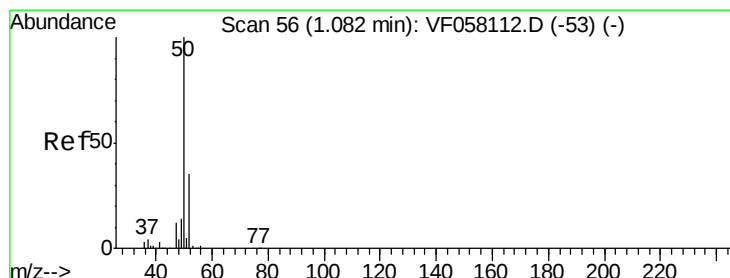
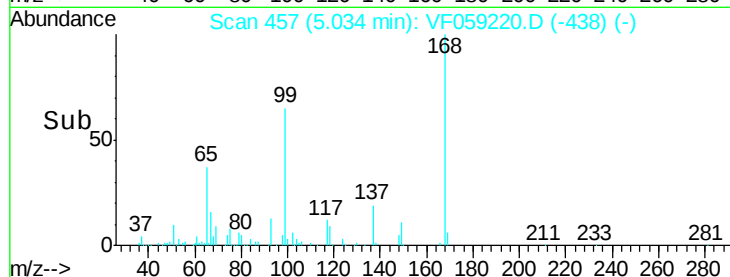
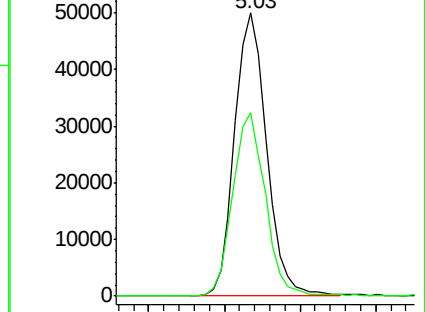
168 100

99 64.9 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.131 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.02 min

Lab File: VF059220.D

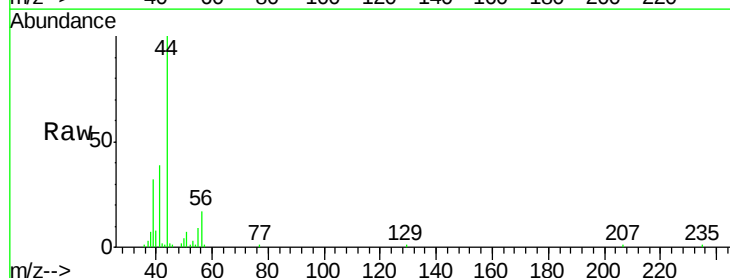
Acq: 20 Jun 2018 7:40

Tgt Ion: 50 Resp: 1455

Ion Ratio Lower Upper

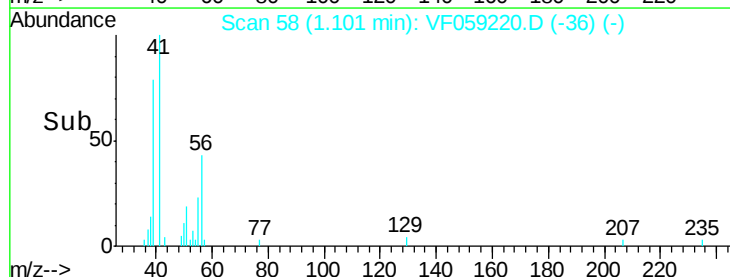
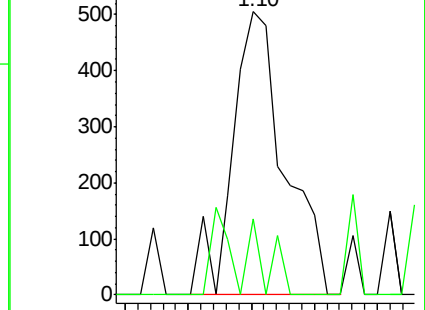
50 100

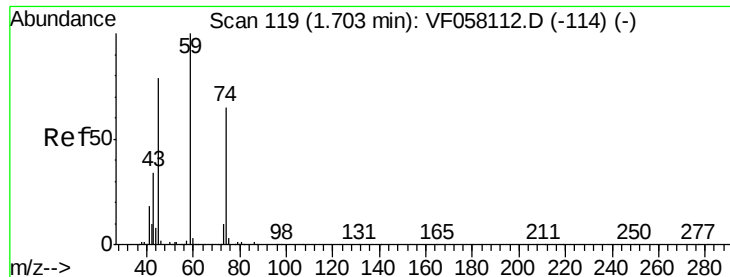
52 26.7 27.3 40.9#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#8

Diethyl Ether

Concen: 1.447 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF059220.D

Acq: 20 Jun 2018 7:40

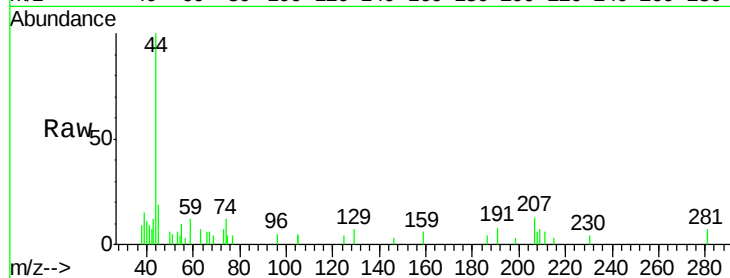
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 74 Resp: 657

Ion Ratio Lower Upper

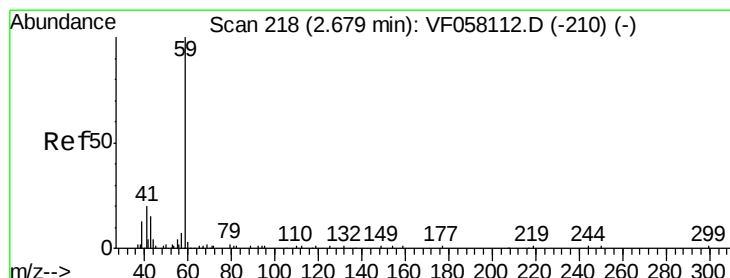
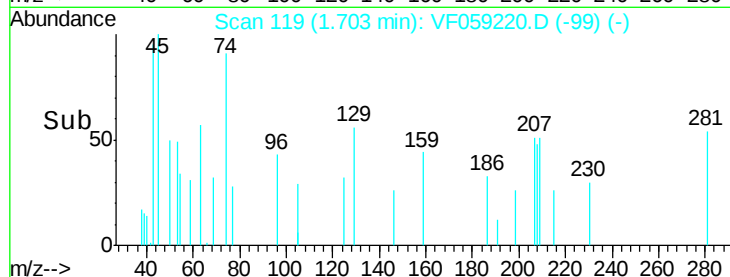
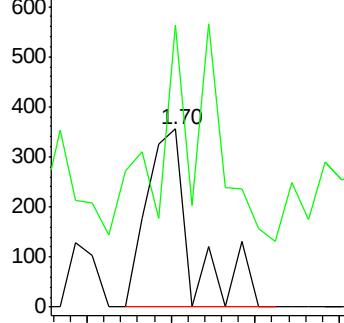
74 100

45 158.6 61.5 184.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 4.797 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.00 min

Lab File: VF059220.D

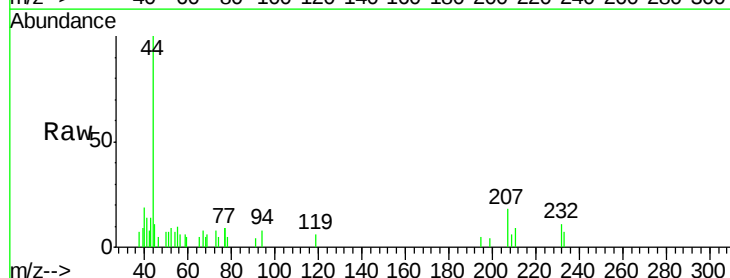
Acq: 20 Jun 2018 7:40

Tgt Ion: 59 Resp: 547

Ion Ratio Lower Upper

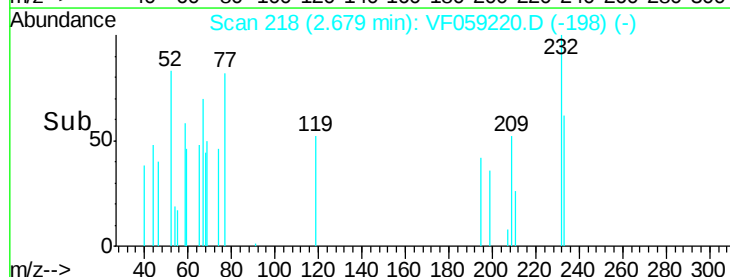
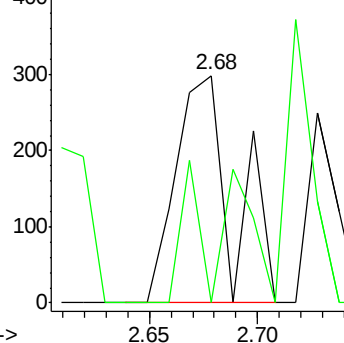
59 100

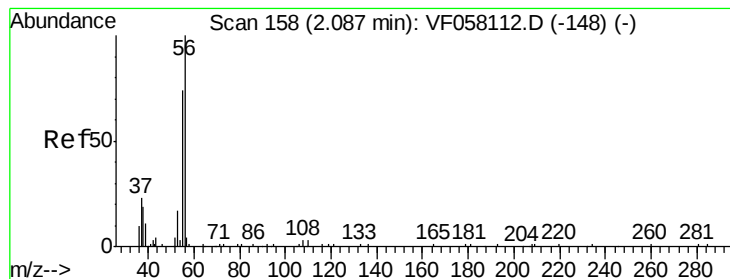
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 3.050 ug/l

RT: 2.05 min Scan# 154

Delta R.T. -0.04 min

Lab File: VF059220.D

Acq: 20 Jun 2018 7:40

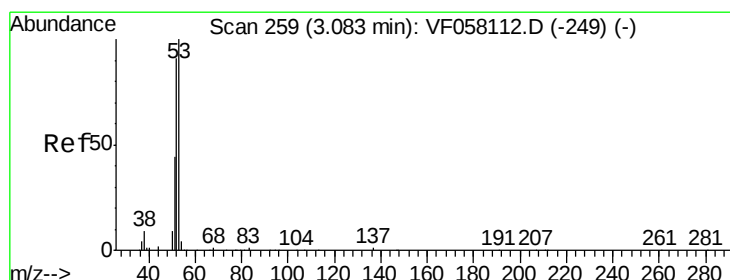
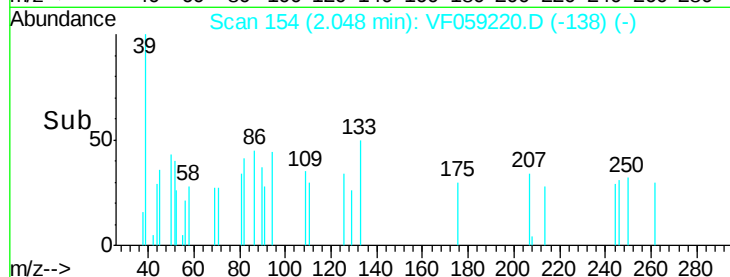
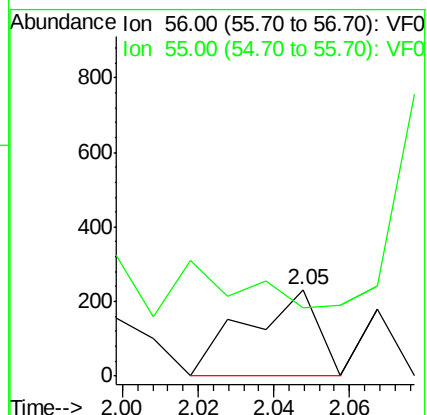
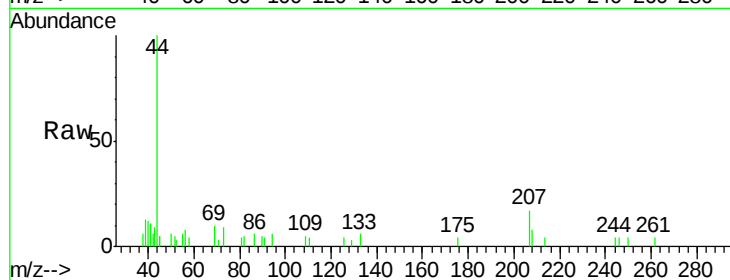
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 301

Ion Ratio Lower Upper

56 100

55 78.4 60.0 90.0



#15

Acrylonitrile

Concen: 1.625 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059220.D

Acq: 20 Jun 2018 7:40

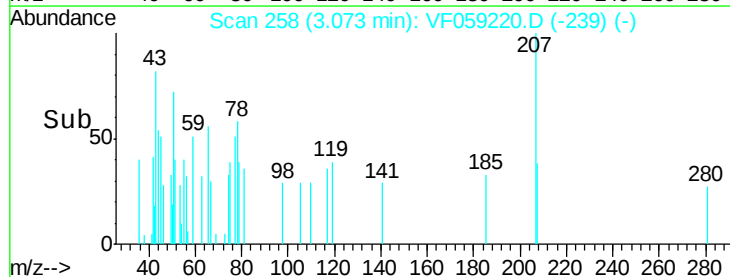
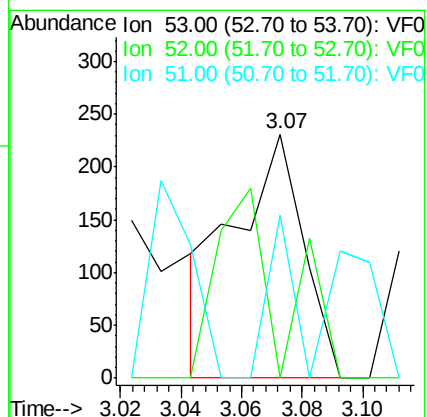
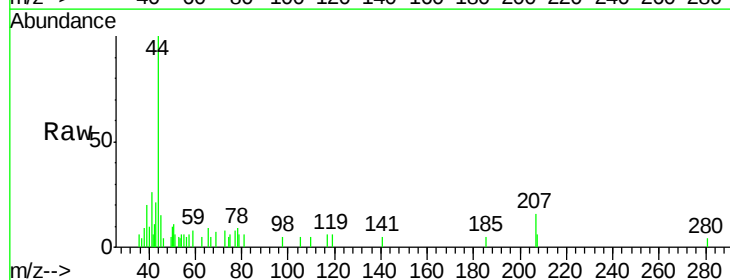
Tgt Ion: 53 Resp: 368

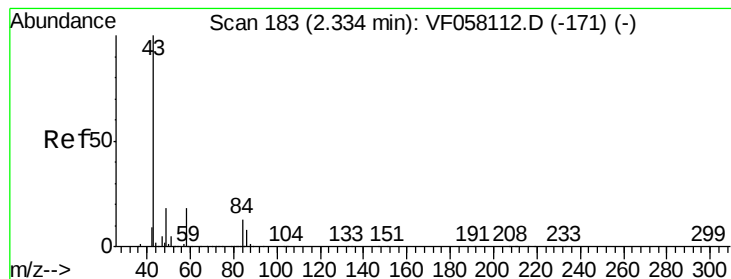
Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

51 67.1 35.6 53.4#





#16

Acetone

Concen: 18.848 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059220.D

Acq: 20 Jun 2018 7:40

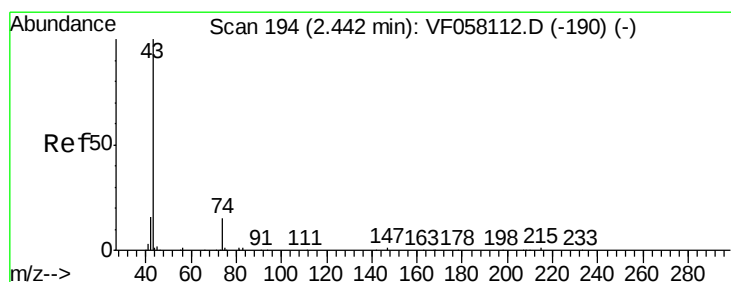
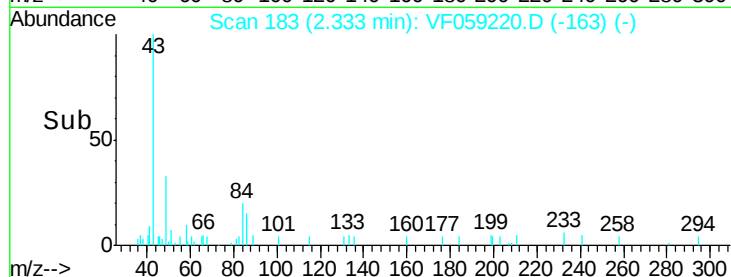
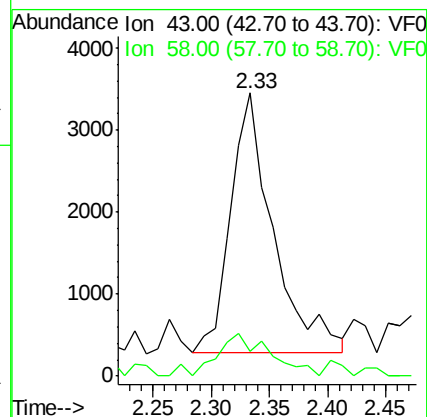
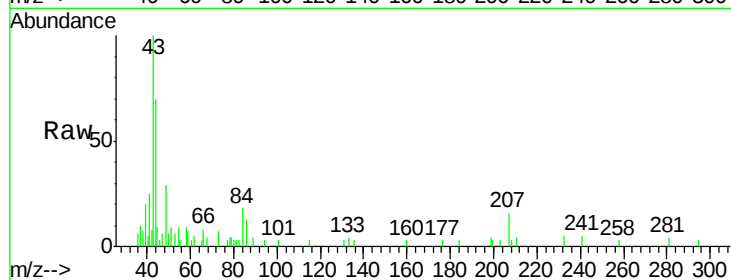
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 8009

Ion Ratio Lower Upper

43 100

58 8.8 14.4 21.6#



#18

Methyl Acetate

Concen: 1.112 ug/l

RT: 2.55 min Scan# 205

Delta R.T. 0.11 min

Lab File: VF059220.D

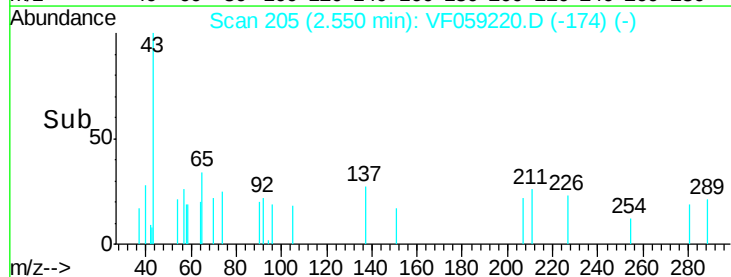
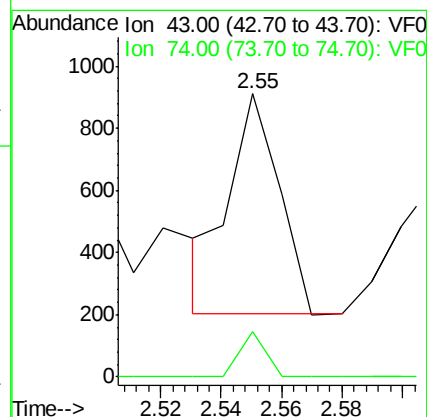
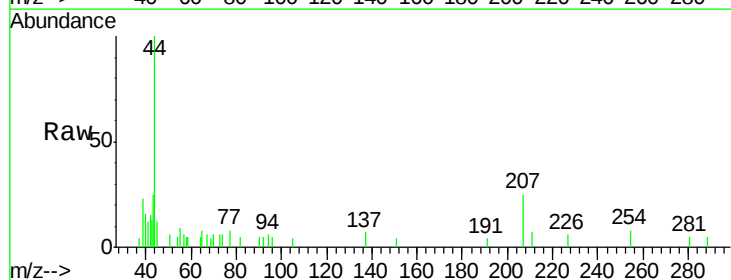
Acq: 20 Jun 2018 7:40

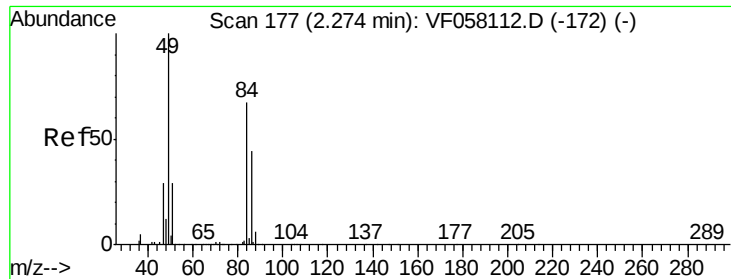
Tgt Ion: 43 Resp: 812

Ion Ratio Lower Upper

43 100

74 16.1 10.9 16.3

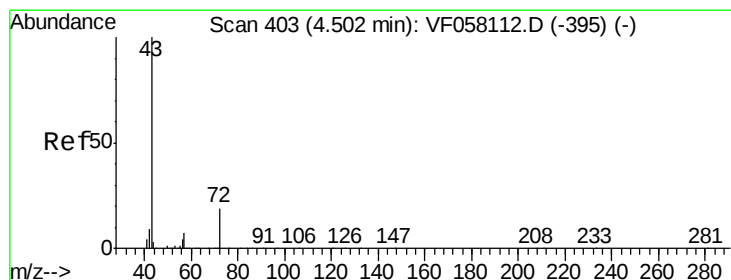
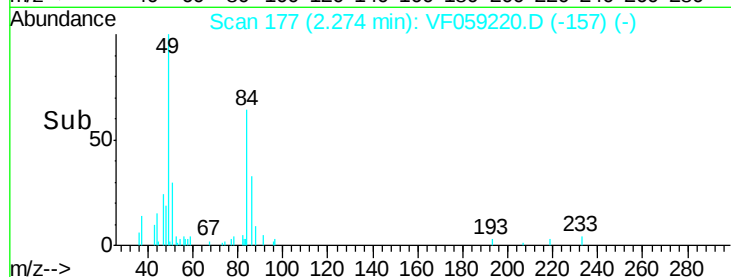
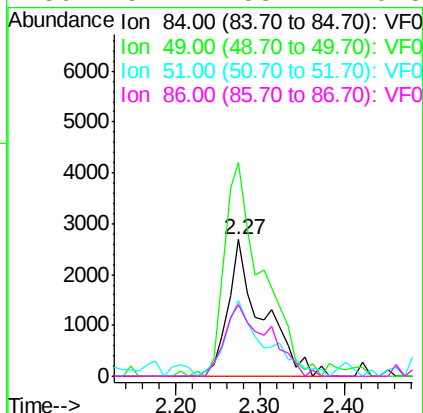
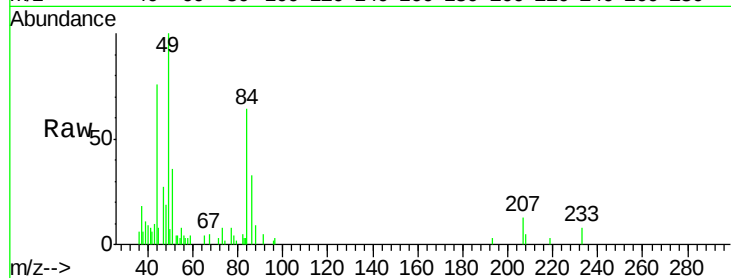




#20
Methvlene Chloride
Concen: 7.516 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059220.D
Acq: 20 Jun 2018 7:40

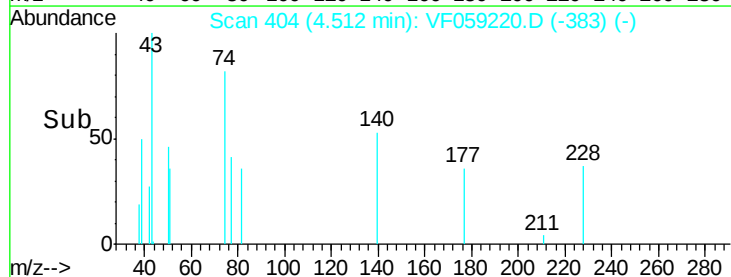
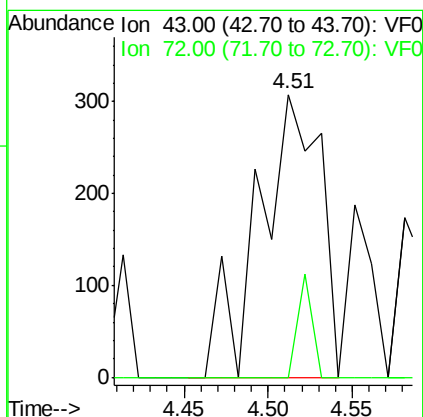
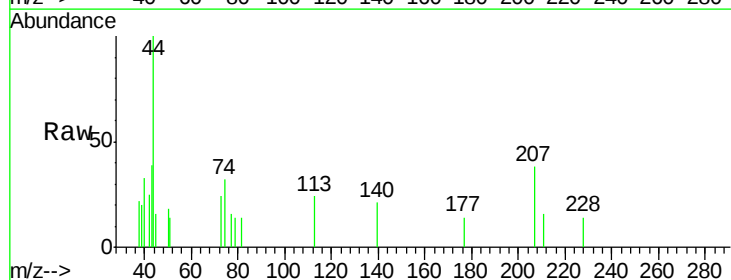
Instrument :
MSVOA_F
ClientSampleId :

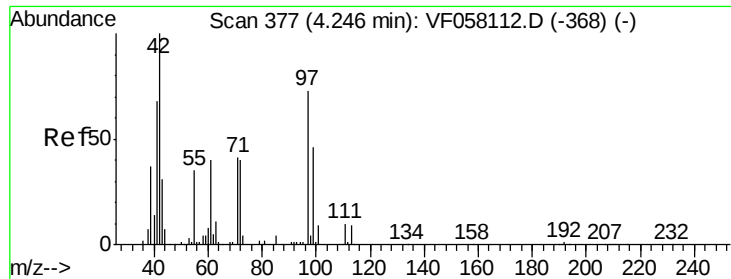
Tot Ion: 84 Resp: 7647
Ion Ratio Lower Upper
84 100
49 156.2 121.0 181.4
51 55.6 35.8 53.6#
86 52.2 53.2 79.8#



#25
2-Butanone
Concen: 1.192 ug/l
RT: 4.51 min Scan# 404
Delta R.T. 0.01 min
Lab File: VF059220.D
Acq: 20 Jun 2018 7:40

Tgt Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
72 0.0 16.1 24.1#

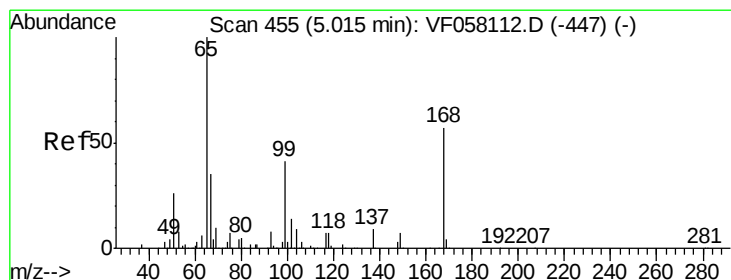
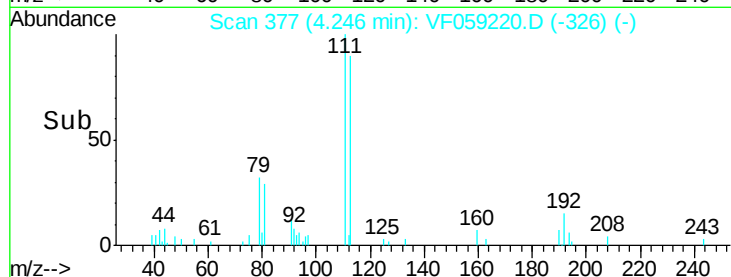
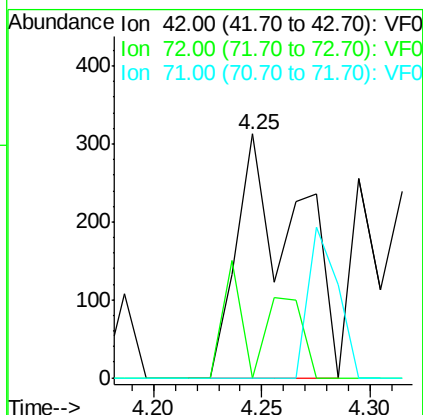
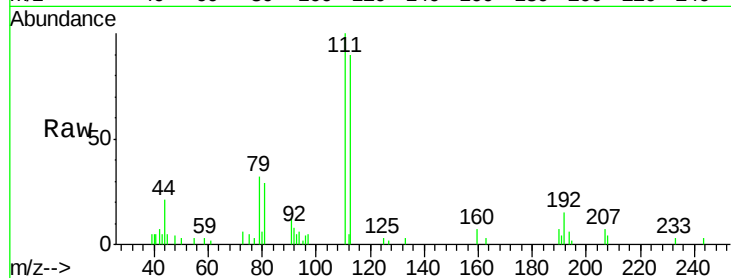




#29
Tetrahydrofuran
Concen: 2.098 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF059220.D
Acq: 20 Jun 2018 7:40

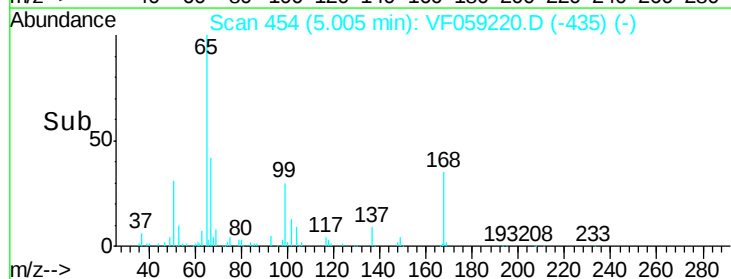
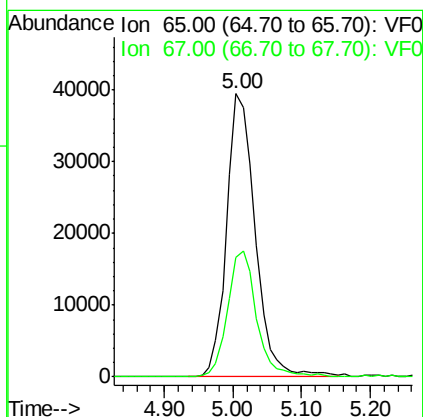
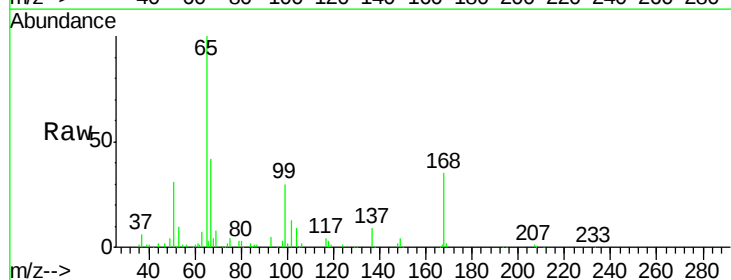
Instrument :
MSVOA_F
ClientSampleId :

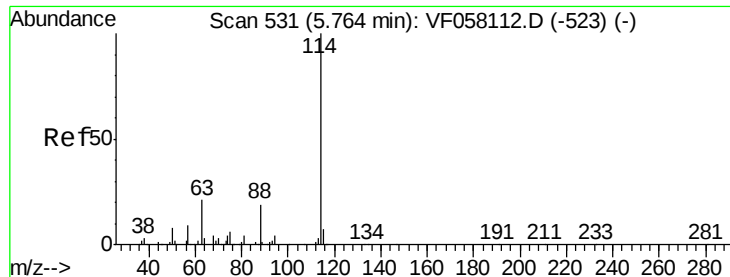
Tot Ion: 42 Resp: 609
Ion Ratio Lower Upper
42 100
72 14.6 30.5 45.7#
71 0.0 31.5 47.3#



#33
1,2-Dichloroethane-d4
Concen: 64.115 ug/l
RT: 5.00 min Scan# 454
Delta R.T. -0.01 min
Lab File: VF059220.D
Acq: 20 Jun 2018 7:40

Tgt Ion: 65 Resp: 114108
Ion Ratio Lower Upper
65 100
67 42.2 0.0 97.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

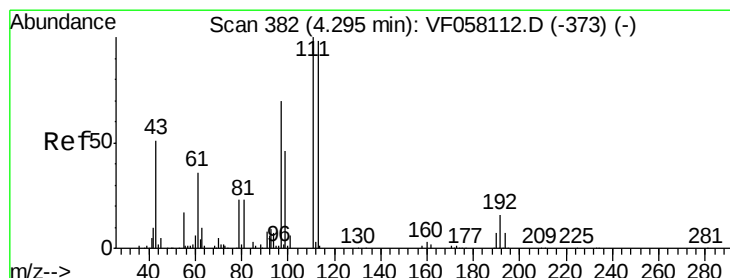
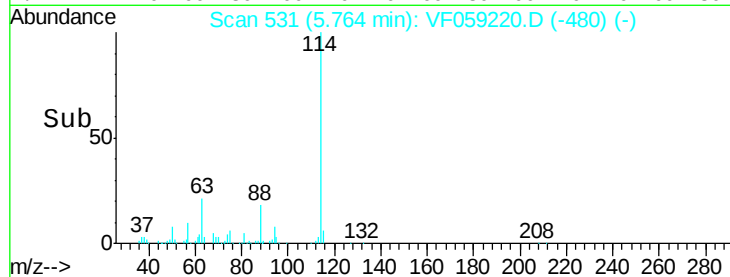
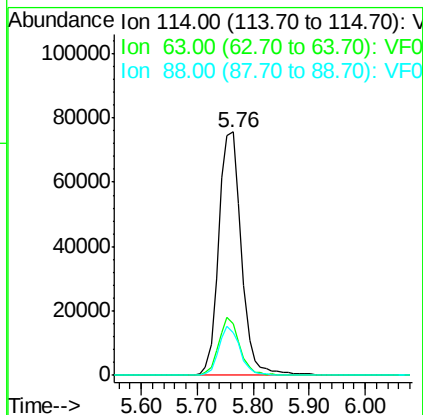
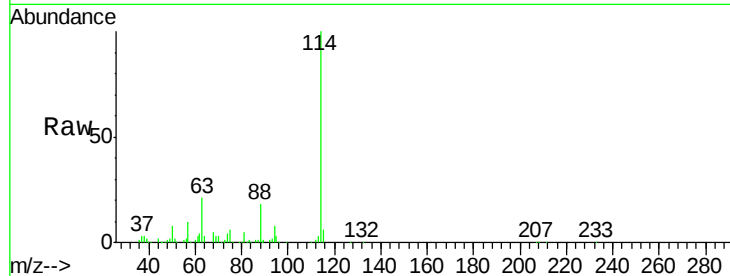
Delta R.T. -0.00 min

Lab File: VF059220.D

Acq: 20 Jun 2018 7:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	114	Resp:	214374
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.6
88	17.6	0.0	38.8



#35

Dibromofluoromethane

Concen: 67.618 ug/l

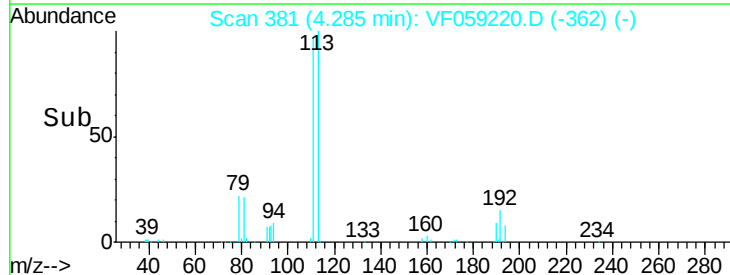
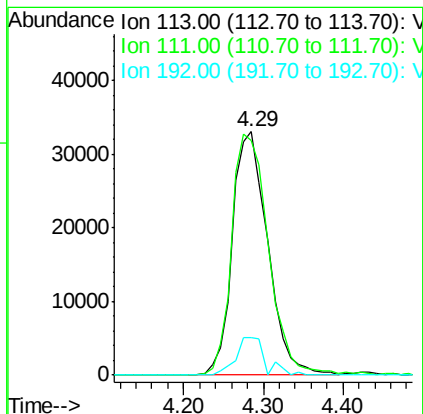
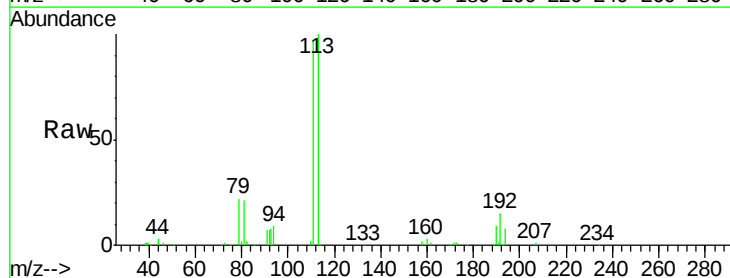
RT: 4.29 min Scan# 381

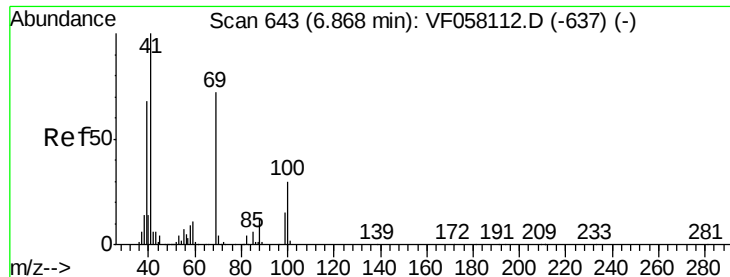
Delta R.T. -0.01 min

Lab File: VF059220.D

Acq: 20 Jun 2018 7:40

Tgt Ion:	113	Resp:	101712
Ion	Ratio	Lower	Upper
113	100		
111	96.6	81.3	121.9
192	15.3	12.7	19.1

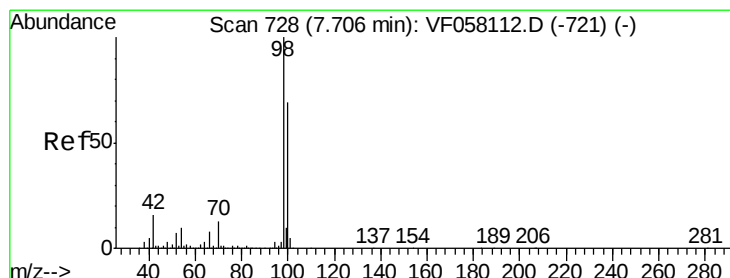
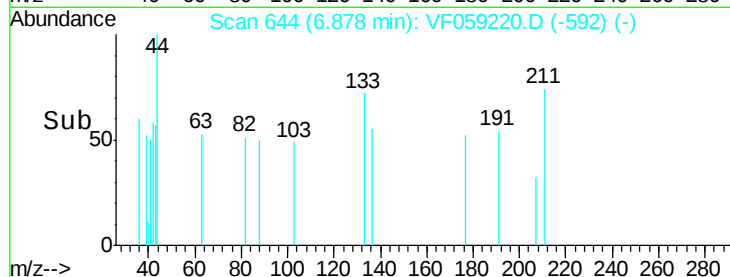
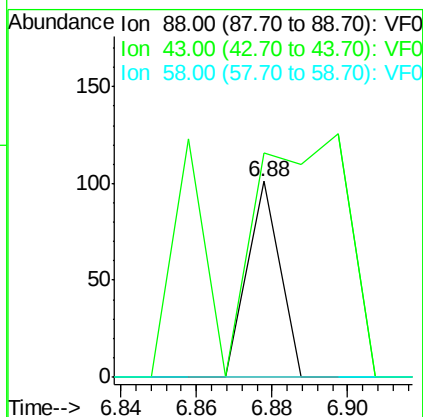
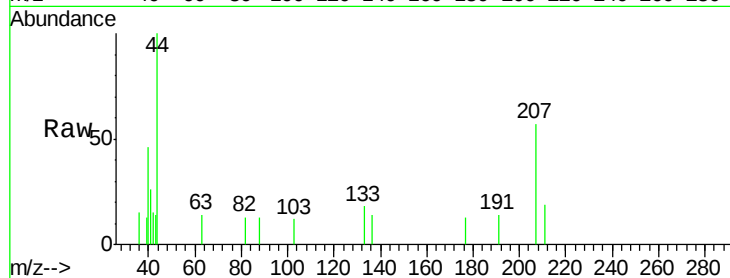




#49
1,4-Dioxane
Concen: 19.995 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF059220.D
Acq: 20 Jun 2018 7:40

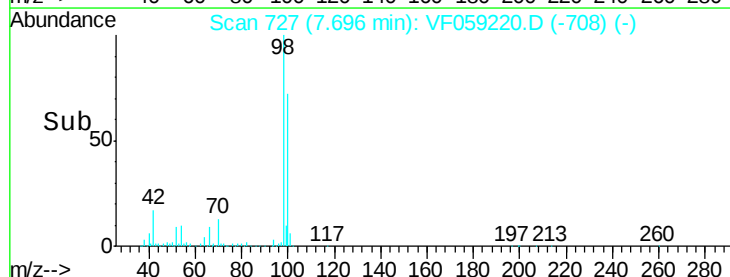
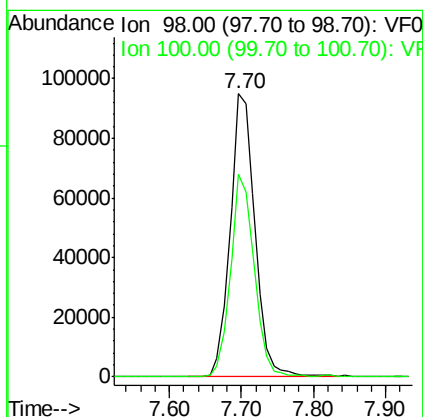
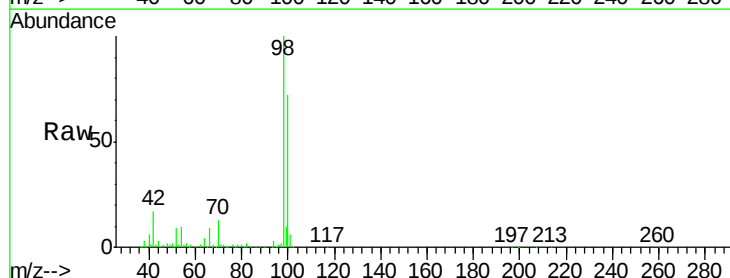
Instrument :
MSVOA_F
ClientSampleId :

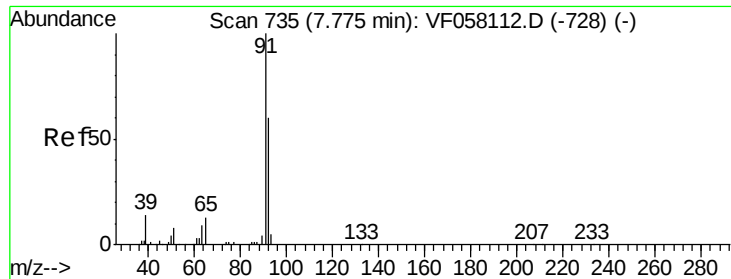
Tot Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 114.9 47.8 71.8#
58 0.0 59.4 89.0#



#50
Toluene-d8
Concen: 51.453 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059220.D
Acq: 20 Jun 2018 7:40

Tgt Ion: 98 Resp: 227375
Ion Ratio Lower Upper
98 100
100 71.7 55.6 83.4





#58

2-Chloroethyl Vinyl ether

Concen: 2.767 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.07 min

Lab File: VF059220.D

Acq: 20 Jun 2018 7:40

Instrument :

MSVOA_F

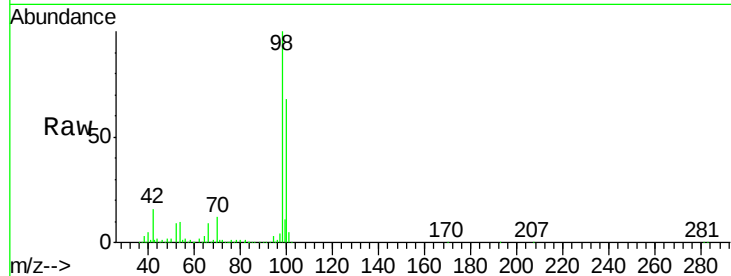
ClientSampleId :

Tot Ion: 63 Resp: 314

Ion Ratio Lower Upper

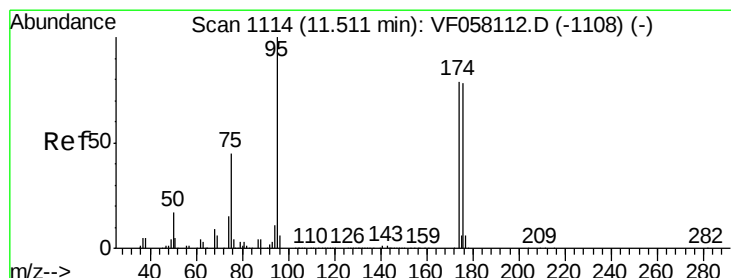
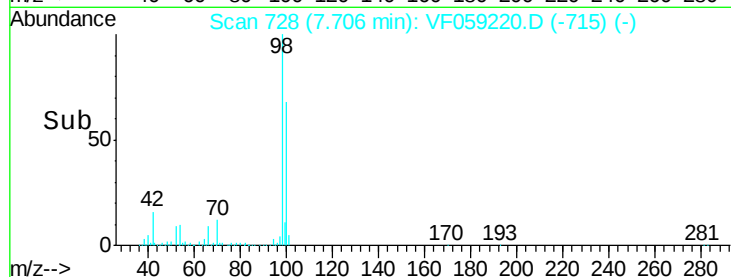
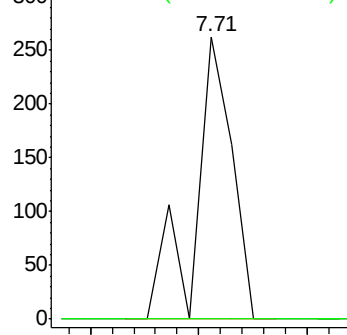
63 100

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: 57.227 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059220.D

Acq: 20 Jun 2018 7:40

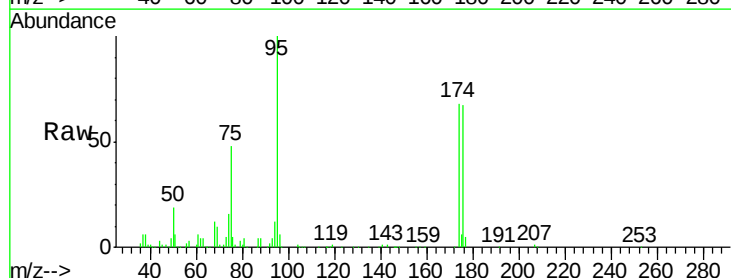
Tgt Ion: 95 Resp: 129707

Ion Ratio Lower Upper

95 100

174 67.9 0.0 157.8

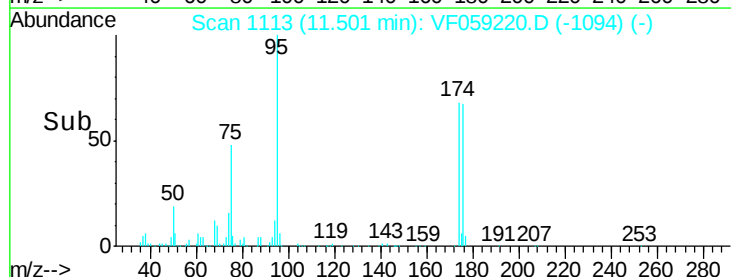
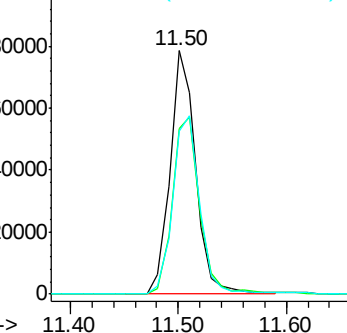
176 66.9 0.0 155.8

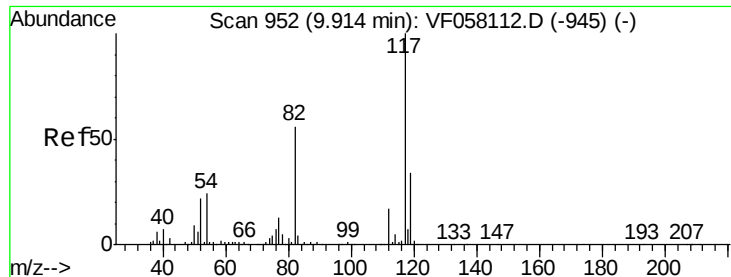


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

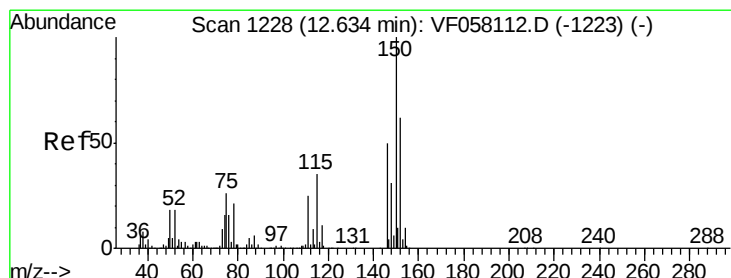
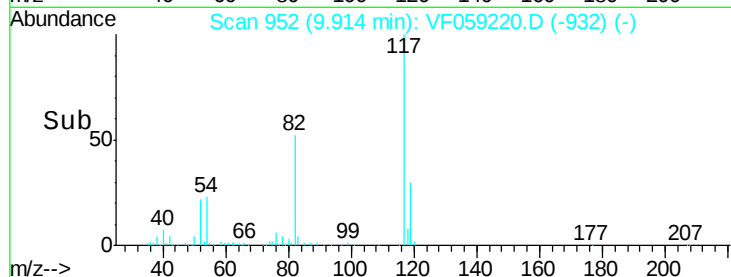
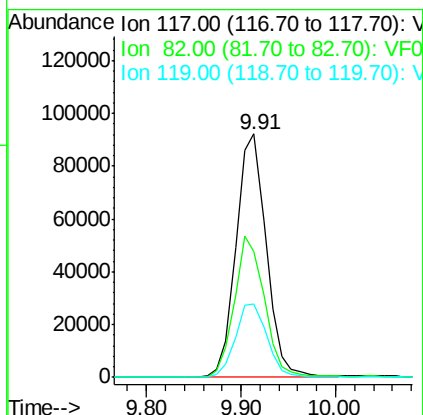
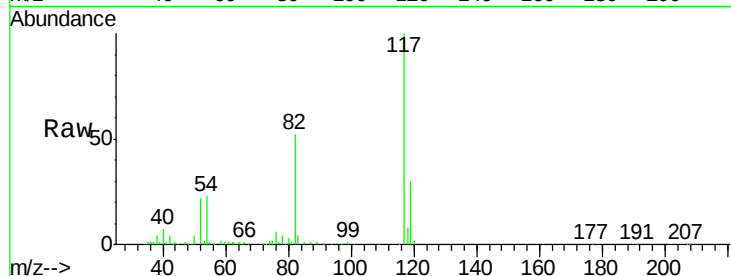




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059220.D
Acq: 20 Jun 2018 7:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	45.2	67.8
119	30.0	27.5	41.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059220.D
Acq: 20 Jun 2018 7:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	28.5	85.5
150	156.3	0.0	323.8

