

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059233.D
 Acq On : 20 Jun 2018 18:40
 Operator : VA/AP
 Sample : J3498-07RE
 Misc : 6.36g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:38:02 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	245185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	366519	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	363942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	232968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	162768	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
35) Dibromofluoromethane	4.29	113	147294	57.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.54%	
50) Toluene-d8	7.71	98	357658	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
62) 4-Bromofluorobenzene	11.51	95	194963	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

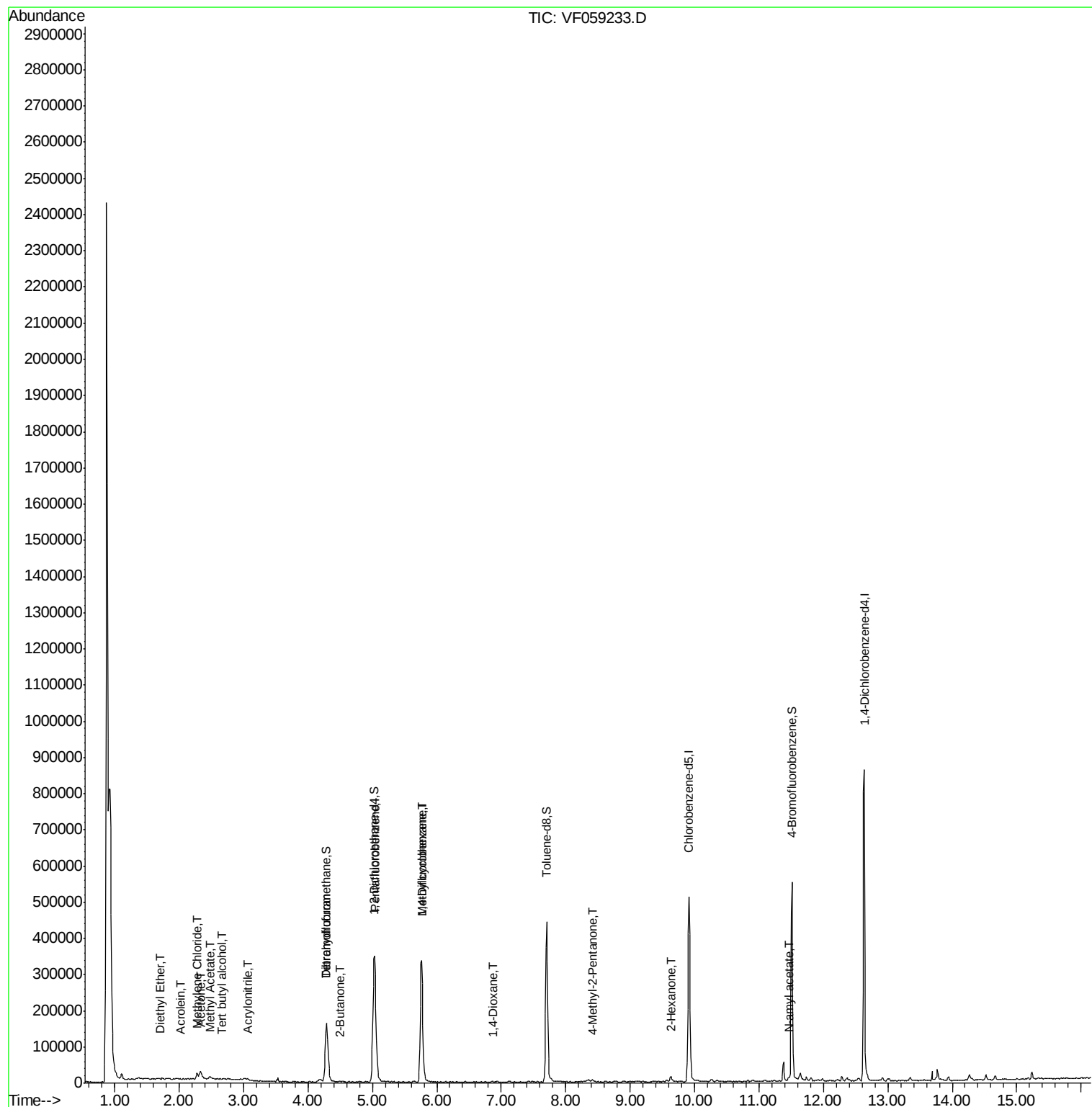
						Qvalue
8) Diethyl Ether	1.69	74	975	1.286	ug/l	76
11) Tert butyl alcohol	2.67	59	1354	7.107	ug/l #	6
13) Acrolein	2.04	56	285	1.728	ug/l	94
15) Acrylonitrile	3.06	53	971	2.566	ug/l #	41
16) Acetone	2.34	43	21924	30.880	ug/l #	88
18) Methyl Acetate	2.48	43	3278	2.686	ug/l #	66
20) Methylene Chloride	2.27	84	6954	4.091	ug/l	88
25) 2-Butanone	4.50	43	3304	3.002	ug/l #	87
29) Tetrahydrofuran	4.29	42	1153	2.377	ug/l #	48
39) Methylcyclohexane	5.75	83	5241	1.447	ug/l #	47
49) 1,4-Dioxane	6.86	88	174	24.789	ug/l #	16
51) 4-Methyl-2-Pentanone	8.41	43	4683	2.324	ug/l #	87
59) 2-Hexanone	9.63	43	12308	7.722	ug/l	84
74) N-amyl acetate	11.46	43	5909	1.026	ug/l #	92
89) n-Butylbenzene	12.92	91	4152	Below Cal		83

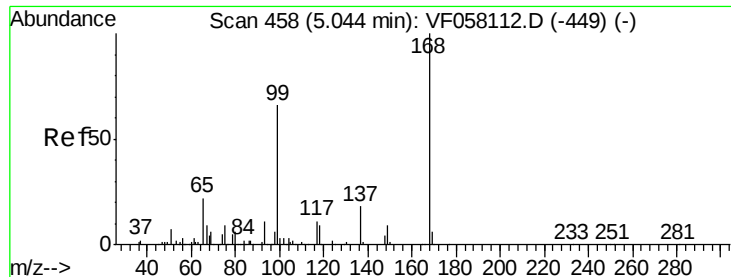
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059233.D

Acq: 20 Jun 2018 18:40

Instrument :

MSVOA_F

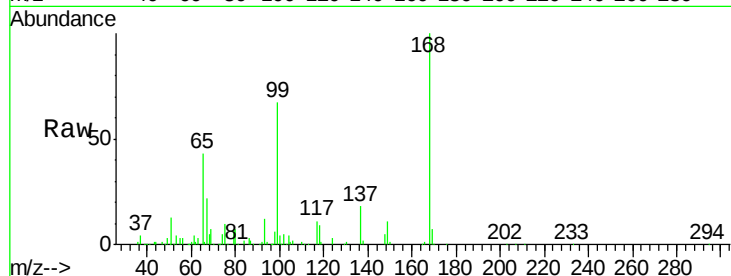
ClientSampleId :

Tot Ion:168 Resp: 245185

Ion Ratio Lower Upper

168 100

99 67.3 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

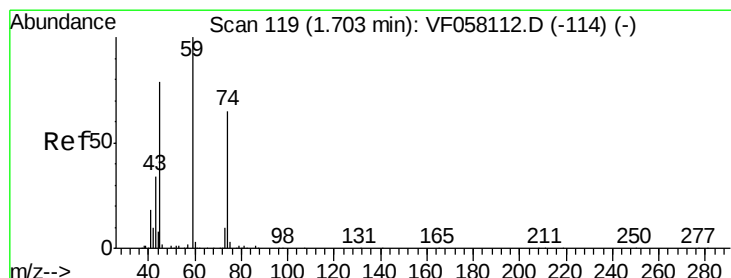
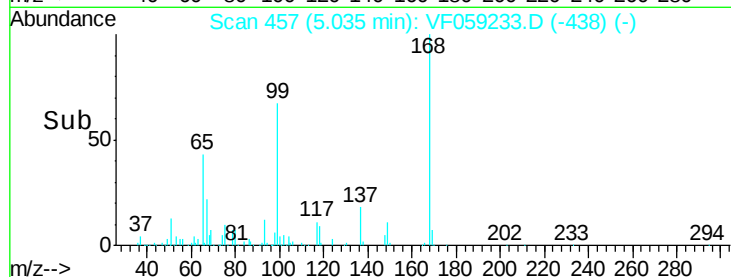
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#8

Diethyl Ether

Concen: 1.286 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059233.D

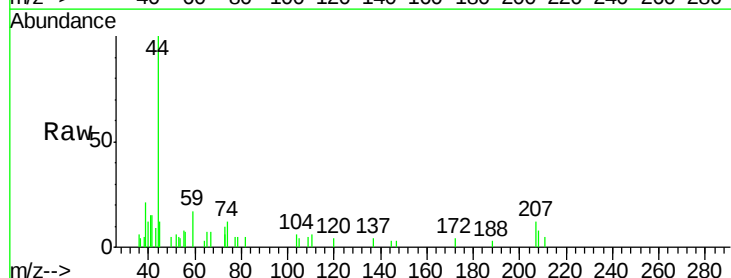
Acq: 20 Jun 2018 18:40

Tgt Ion: 74 Resp: 975

Ion Ratio Lower Upper

74 100

45 95.5 61.5 184.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.69

800

600

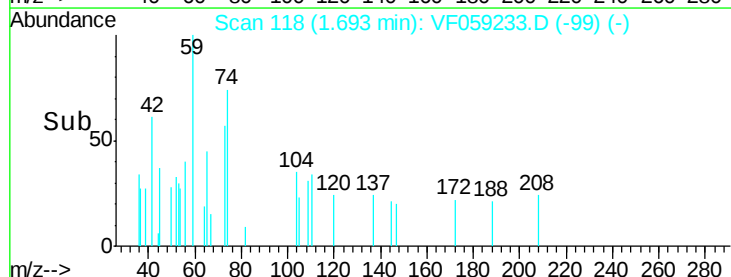
400

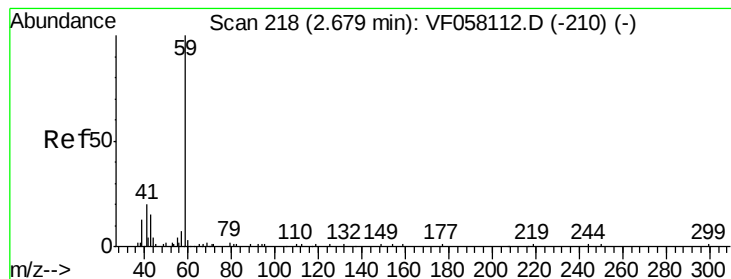
200

0

Time-->

1.65 1.70 1.75 1.80



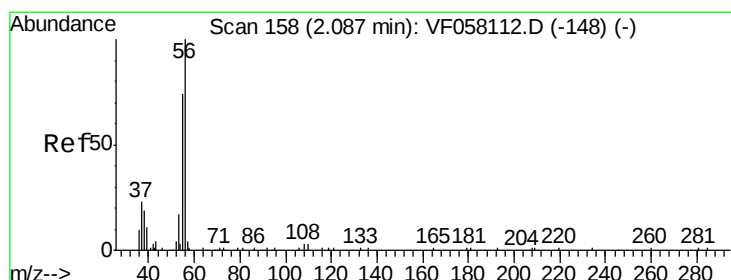
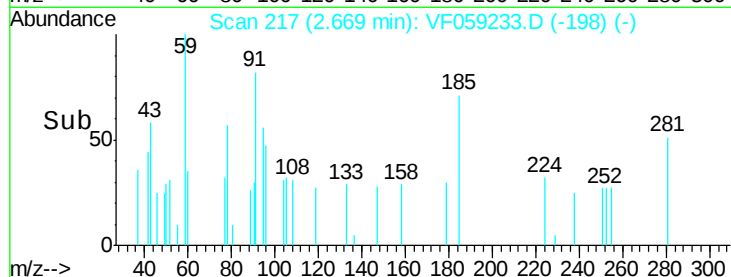
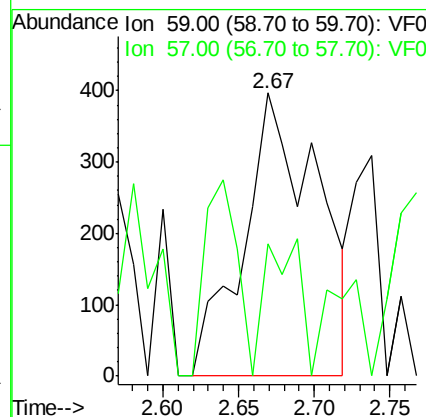
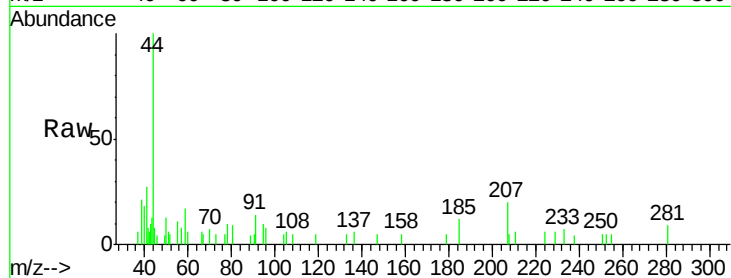


#11

Tert butyl alcohol
Concen: 7.107 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059233.D
Acq: 20 Jun 2018 18:40

Instrument :
MSVOA_F
ClientSampled :

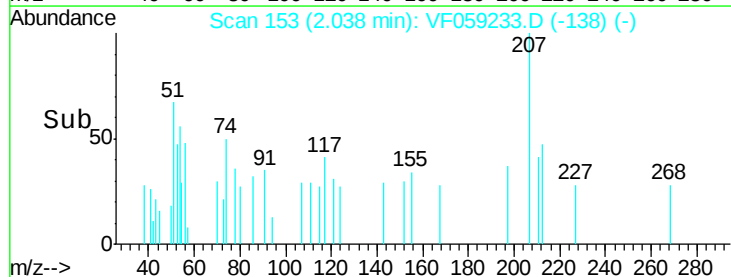
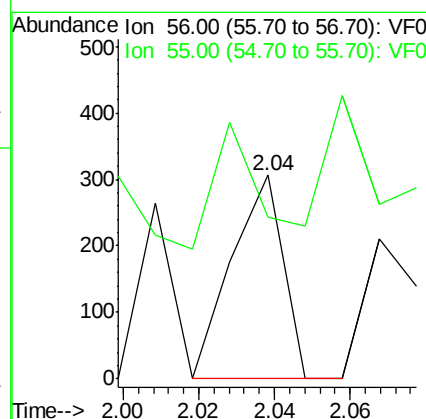
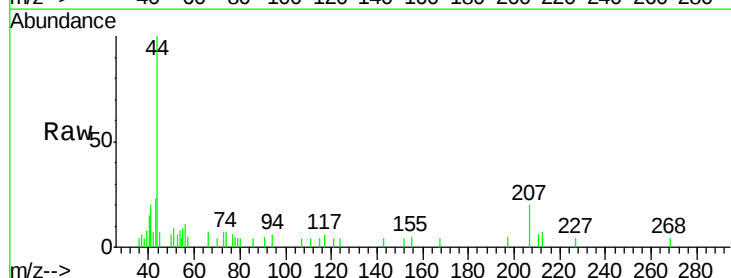
Tot Ion: 59 Resp: 1354
Ion Ratio Lower Upper
59 100
57 46.6 8.7 13.1#

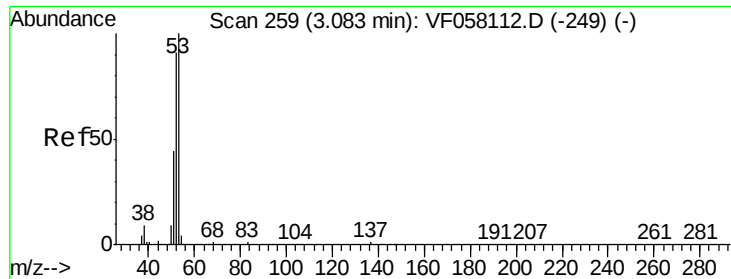


#13

Acrolein
Concen: 1.728 ug/l
RT: 2.04 min Scan# 153
Delta R.T. -0.05 min
Lab File: VF059233.D
Acq: 20 Jun 2018 18:40

Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
55 79.7 60.0 90.0





#15

Acrylonitrile

Concen: 2.566 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059233.D

Acq: 20 Jun 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

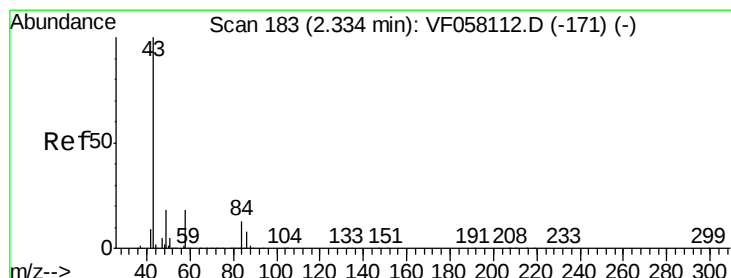
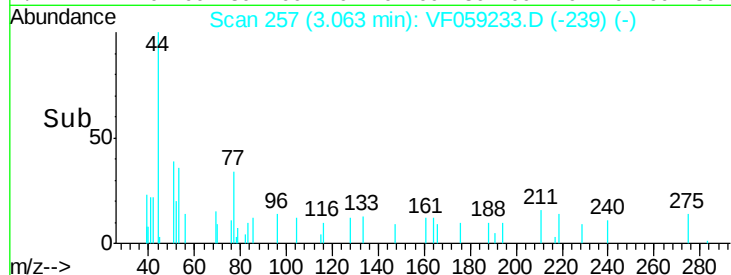
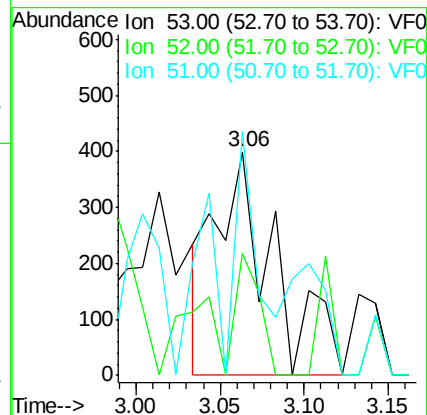
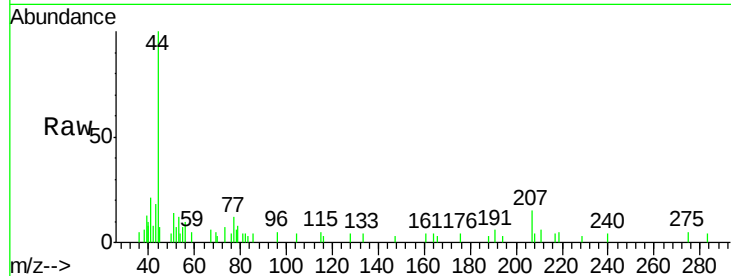
Tot Ion: 53 Resp: 971

Ion Ratio Lower Upper

53 100

52 54.6 73.2 109.8#

51 109.0 35.6 53.4#



#16

Acetone

Concen: 30.880 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059233.D

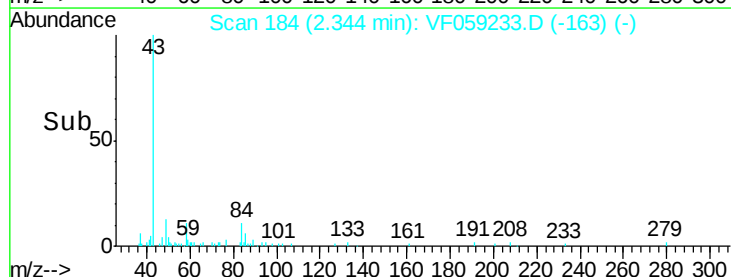
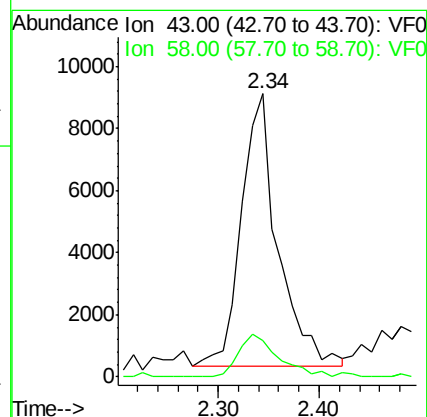
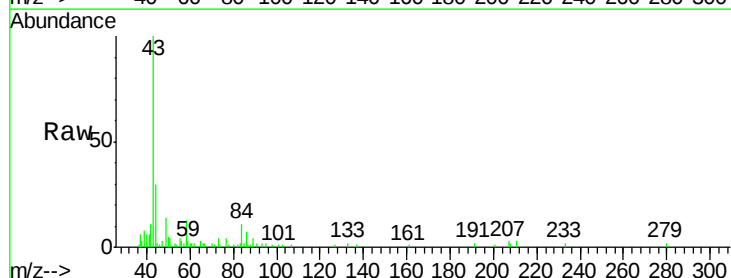
Acq: 20 Jun 2018 18:40

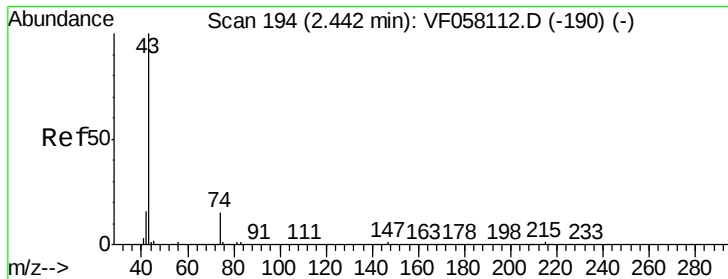
Tgt Ion: 43 Resp: 21924

Ion Ratio Lower Upper

43 100

58 12.6 14.4 21.6#

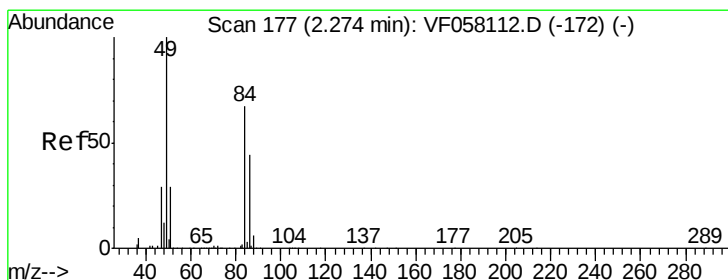
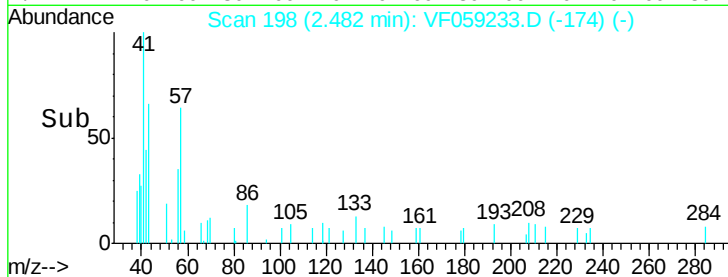
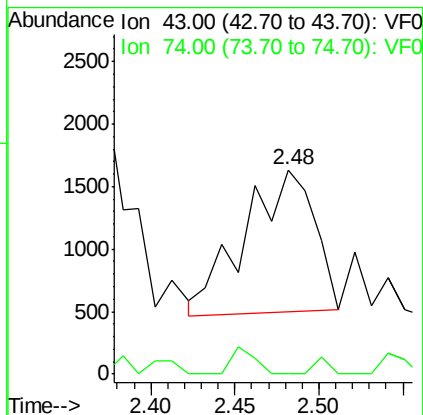
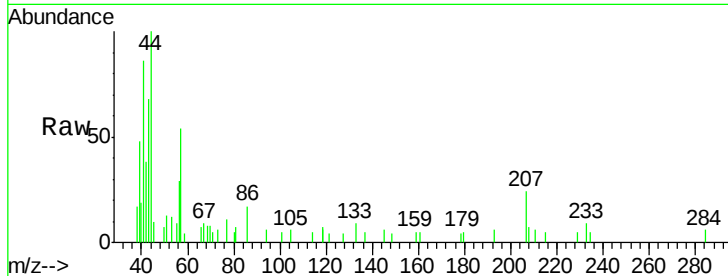




#18
Methyl Acetate
Concen: 2.686 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059233.D
Acq: 20 Jun 2018 18:40

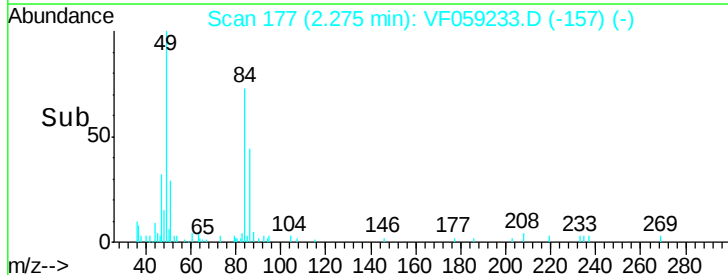
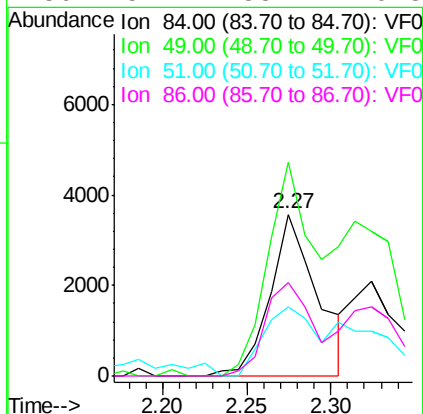
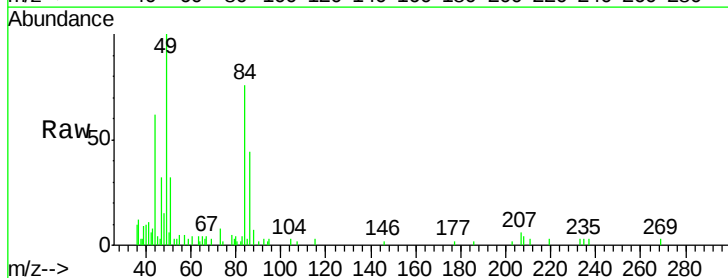
Instrument :
MSVOA_F
ClientSampled :

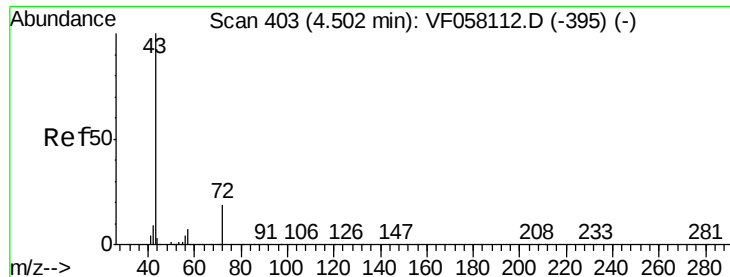
Tot Ion: 43 Resp: 3278
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#



#20
Methylene Chloride
Concen: 4.091 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059233.D
Acq: 20 Jun 2018 18:40

Tgt Ion: 84 Resp: 6954
Ion Ratio Lower Upper
84 100
49 132.1 121.0 181.4
51 42.6 35.8 53.6
86 57.7 53.2 79.8





#25

2-Butanone

Concen: 3.002 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059233.D

Acq: 20 Jun 2018 18:40

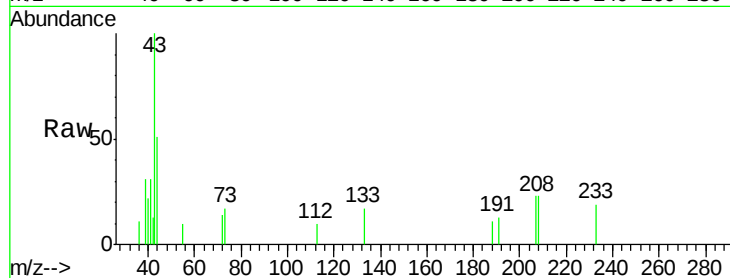
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 3304

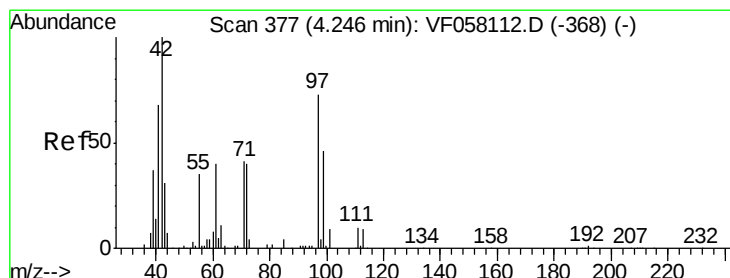
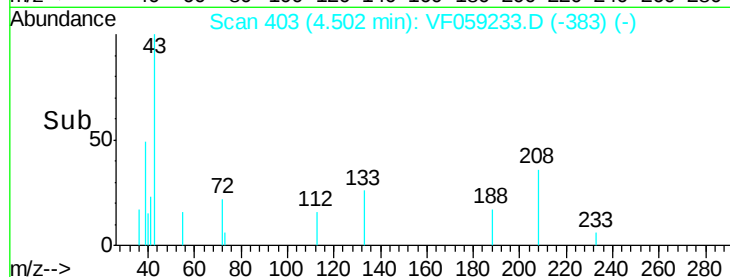
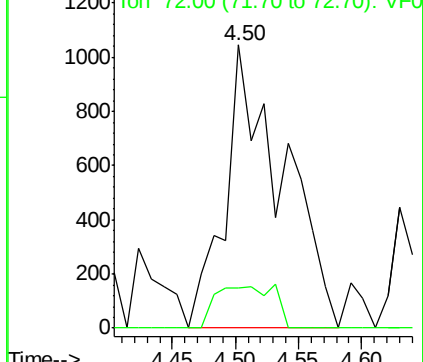
Ion Ratio Lower Upper

43 100

72 14.3 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#29

Tetrahydrofuran

Concen: 2.377 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.04 min

Lab File: VF059233.D

Acq: 20 Jun 2018 18:40

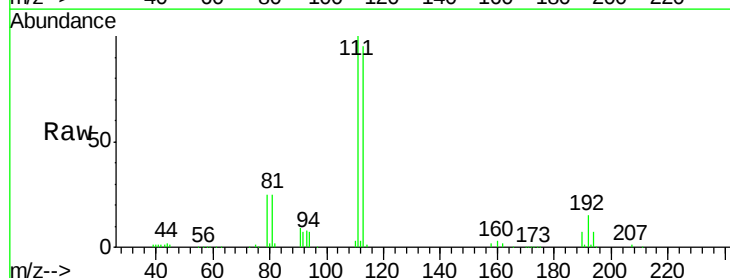
Tgt Ion: 42 Resp: 1153

Ion Ratio Lower Upper

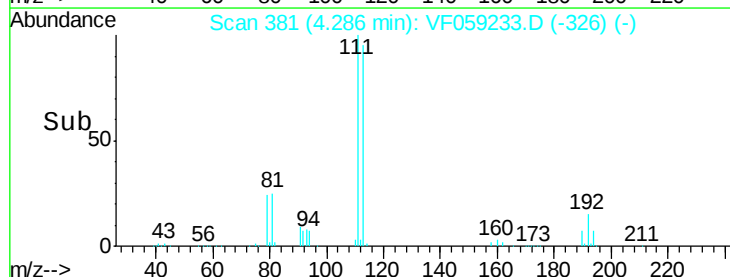
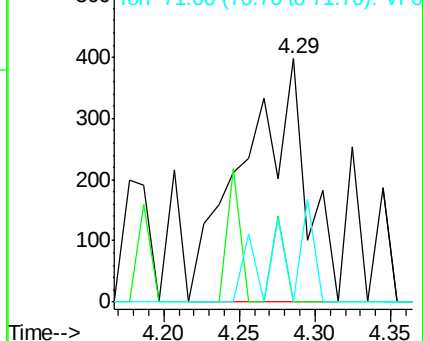
42 100

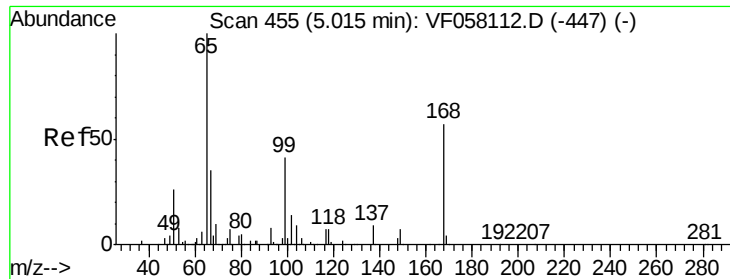
72 7.2 30.5 45.7#

71 6.9 31.5 47.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0

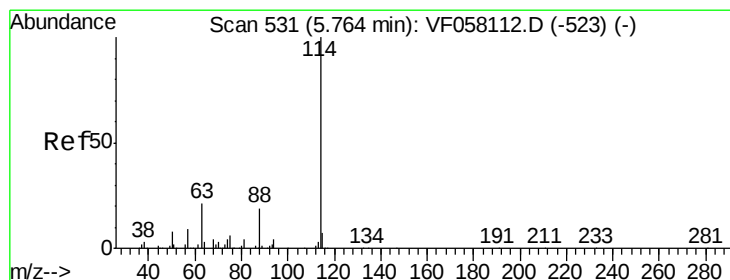
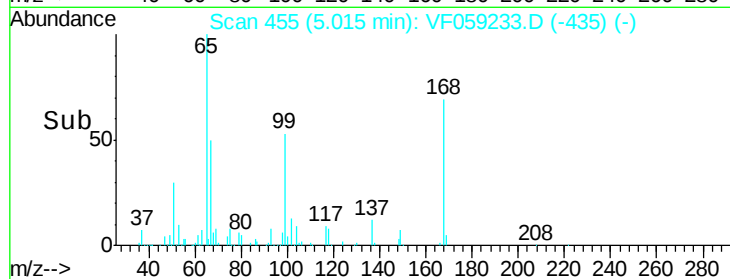
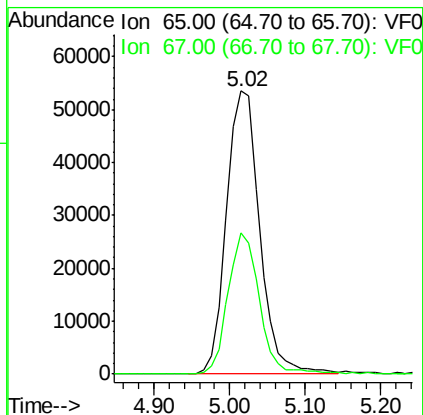
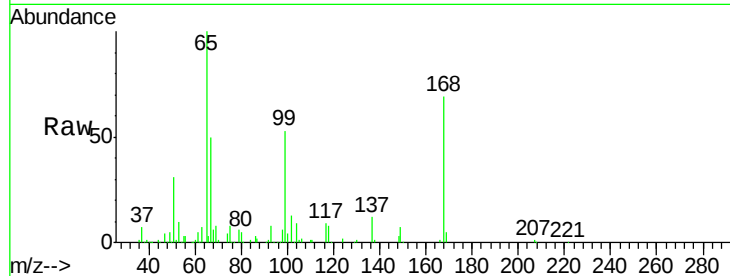




#33
 1,2-Dichloroethane-d4
 Concen: 54.738 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059233.D
 Acq: 20 Jun 2018 18:40

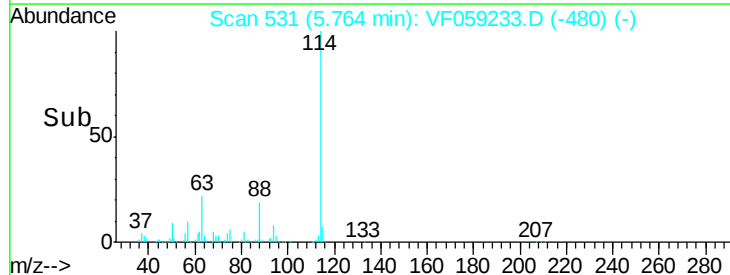
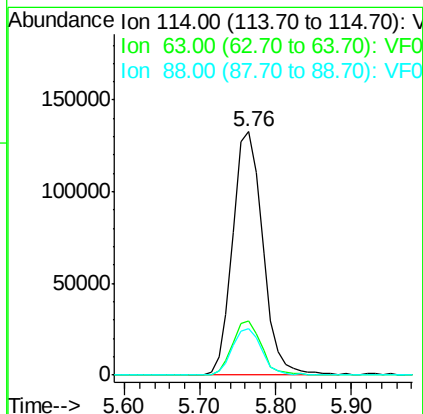
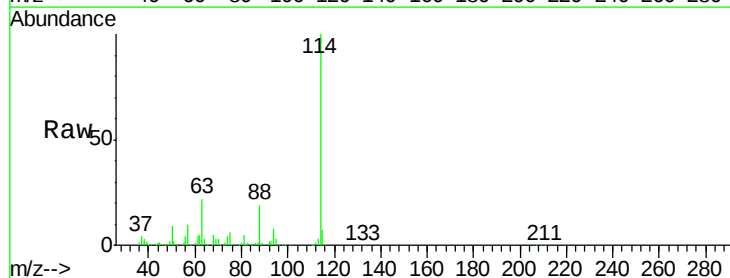
Instrument :
 MSVOA_F
 ClientSampleId :

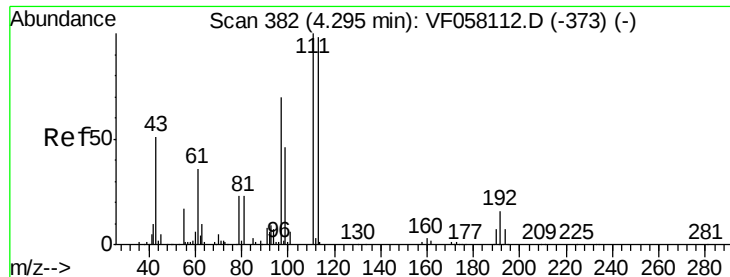
Tot Ion: 65 Resp: 162768
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059233.D
 Acq: 20 Jun 2018 18:40

Tgt Ion: 114 Resp: 366519
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 41.6
 88 19.3 0.0 38.8

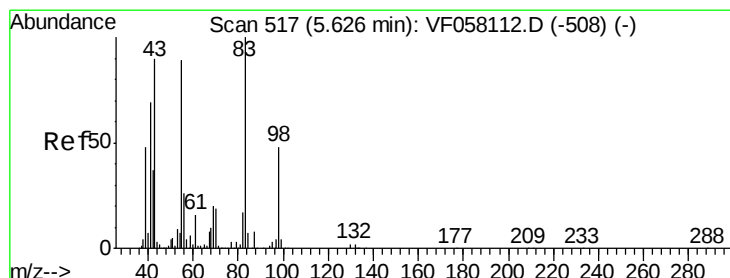
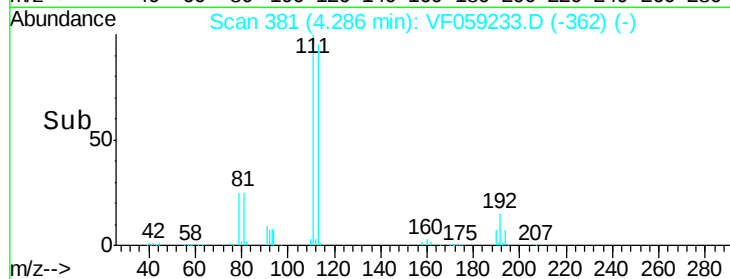
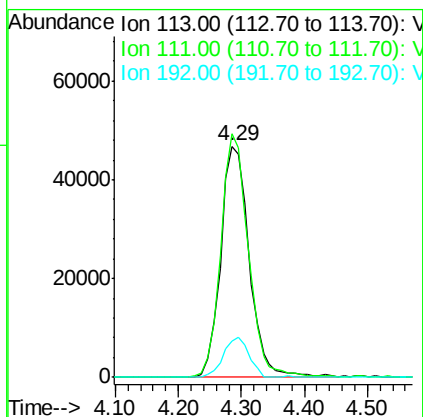
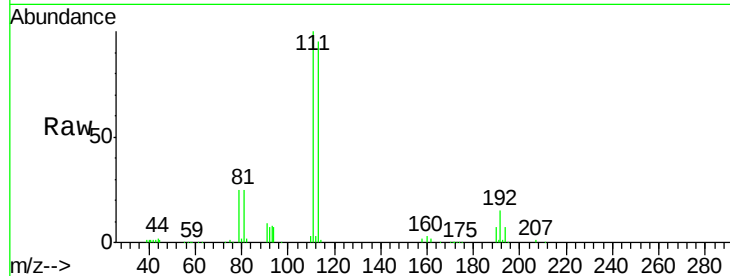




#35
 Dibromofluoromethane
 Concen: 57.273 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059233.D
 Acq: 20 Jun 2018 18:40

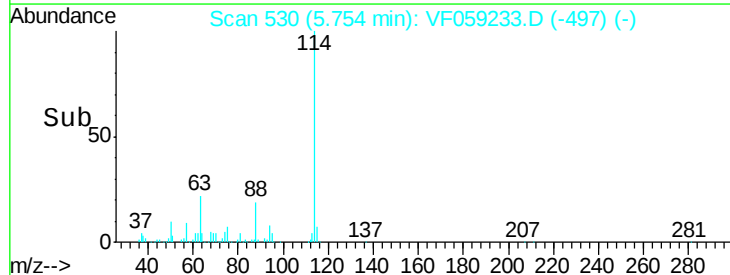
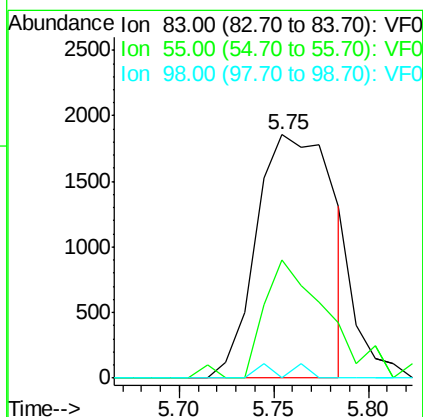
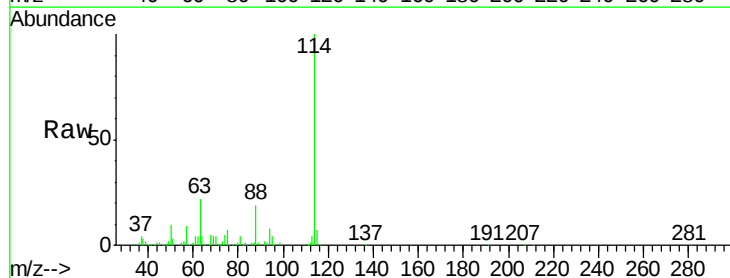
Instrument :
 MSVOA_F
 ClientSampleId :

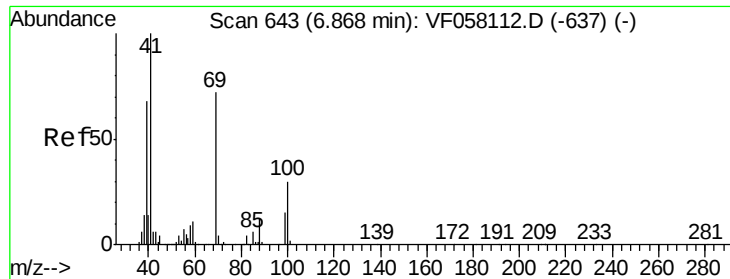
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.3	121.9
192	15.7	12.7	19.1



#39
 Methylcyclohexane
 Concen: 1.447 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.13 min
 Lab File: VF059233.D
 Acq: 20 Jun 2018 18:40

Tgt Ion	Ratio	Lower	Upper
83	100		
55	48.4	71.0	106.4#
98	0.0	38.1	57.1#

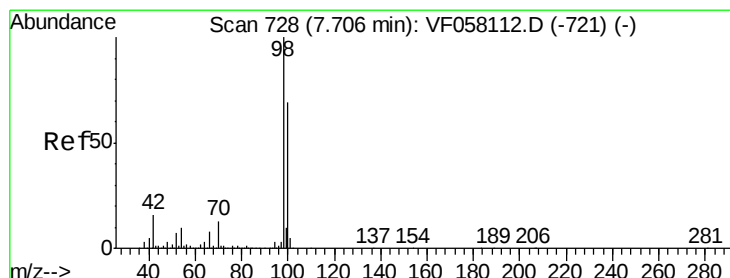
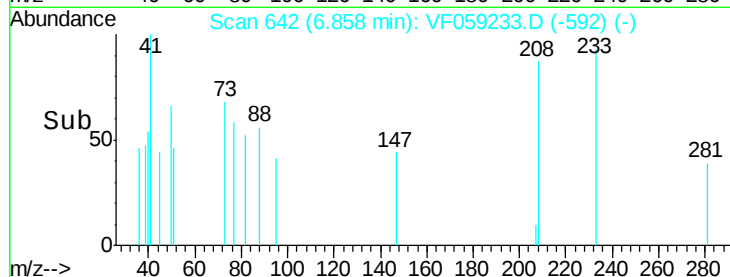
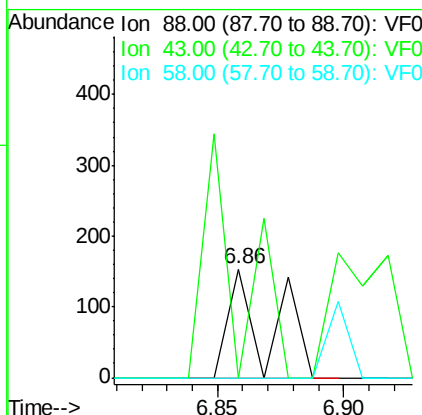
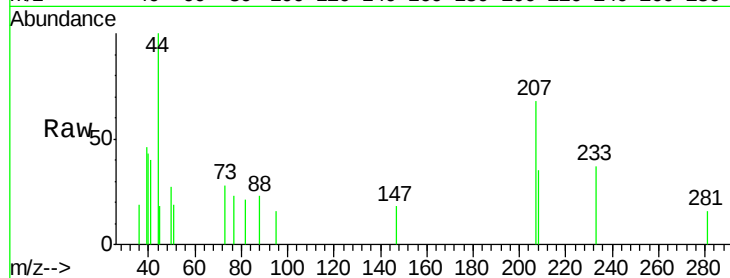




#49
1,4-Dioxane
Concen: 24.789 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059233.D
Acq: 20 Jun 2018 18:40

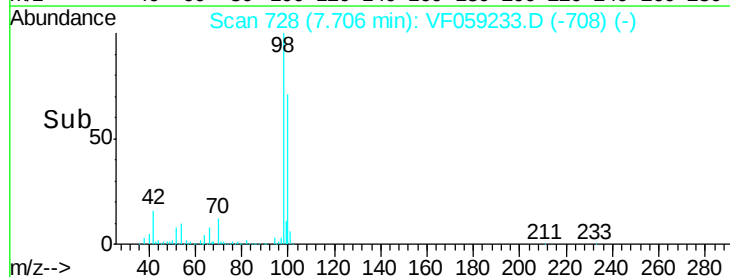
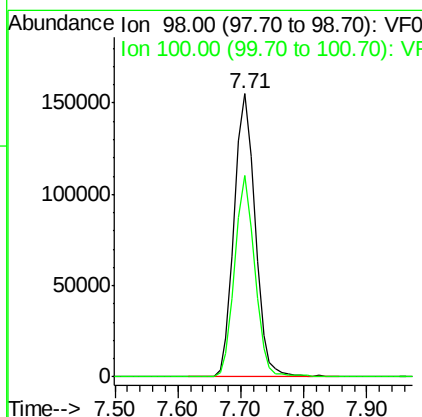
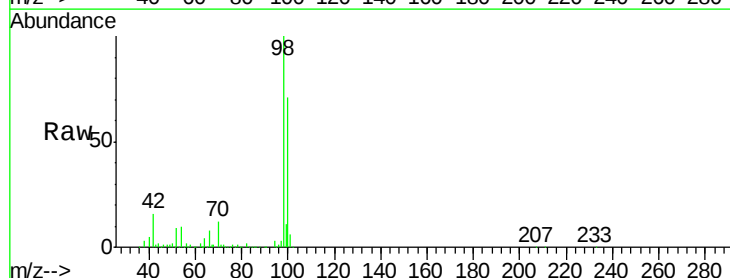
Instrument :
MSVOA_F
ClientSampled :

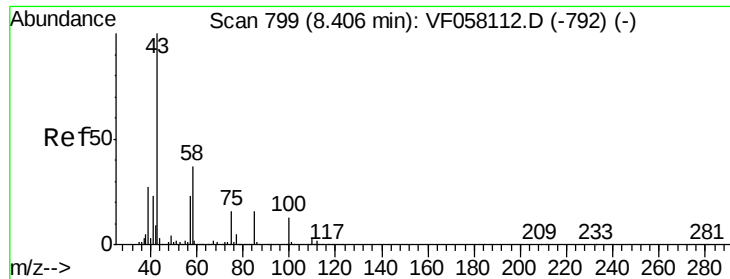
Tot Ion: 88 Resp: 174
Ion Ratio Lower Upper
88 100
43 0.0 47.8 71.8#
58 0.0 59.4 89.0#



#50
Toluene-d8
Concen: 47.338 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059233.D
Acq: 20 Jun 2018 18:40

Tgt Ion: 98 Resp: 357658
Ion Ratio Lower Upper
98 100
100 71.3 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 2.324 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059233.D

Acq: 20 Jun 2018 18:40

Instrument :

MSVOA_F

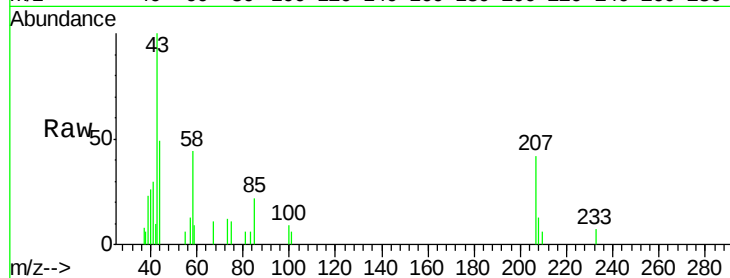
ClientSampleId :

Tot Ion: 43 Resp: 4683

Ion Ratio Lower Upper

43 100

58 44.3 29.4 44.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

1500

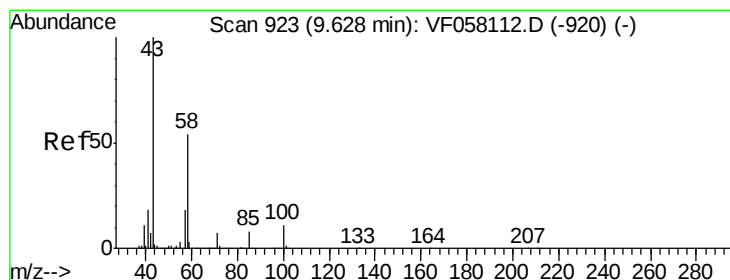
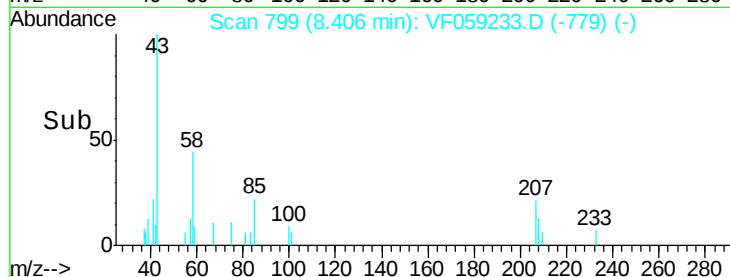
1000

500

0

8.30 8.35 8.40 8.45 8.50

Time-->



#59

2-Hexanone

Concen: 7.722 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.00 min

Lab File: VF059233.D

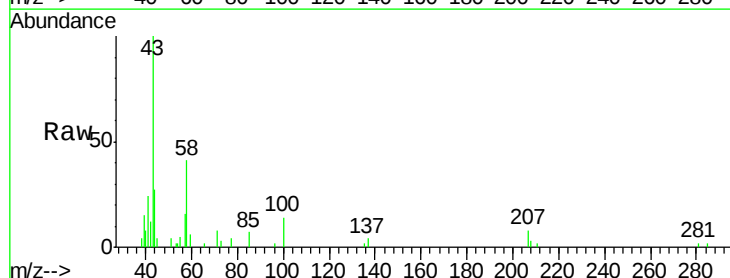
Acq: 20 Jun 2018 18:40

Tgt Ion: 43 Resp: 12308

Ion Ratio Lower Upper

43 100

58 41.1 26.3 78.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.63

6000

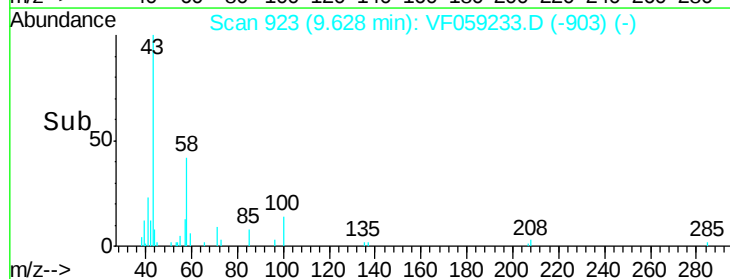
4000

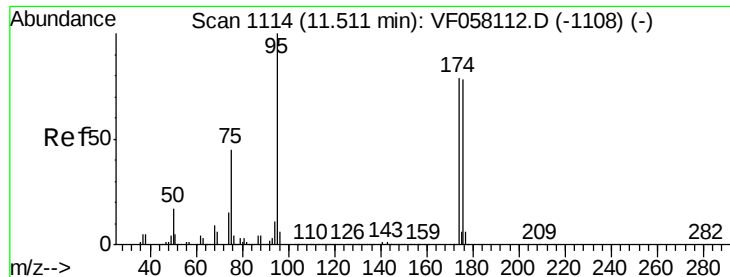
2000

0

9.55 9.60 9.65 9.70

Time-->





#62

4-Bromofluorobenzene

Concen: 50.311 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059233.D

Acq: 20 Jun 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

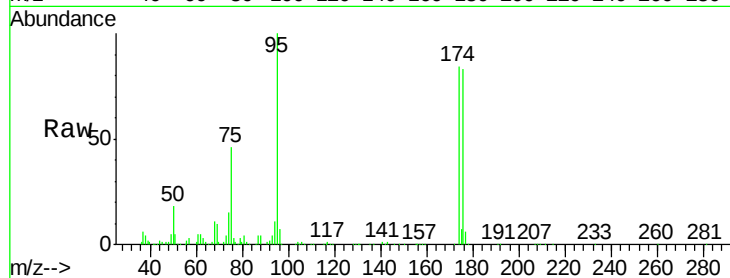
Tot Ion: 95 Resp: 194963

Ion Ratio Lower Upper

95 100

174 83.9 0.0 157.8

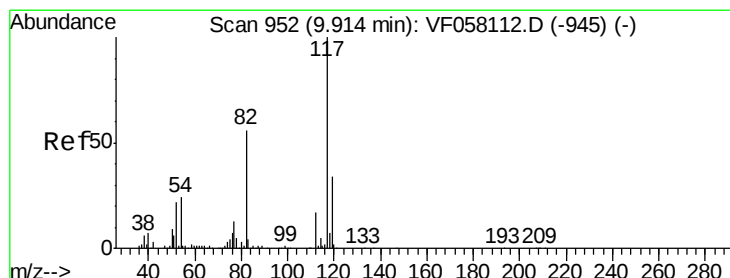
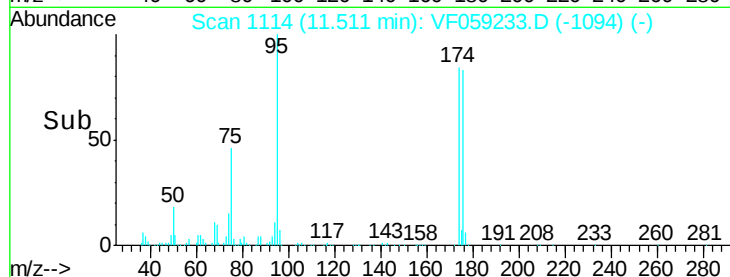
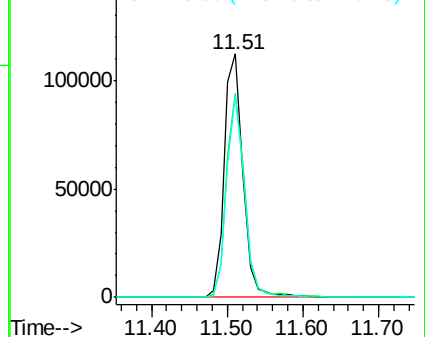
176 83.5 0.0 155.8



Abundance Ion 95.00 (94.70 to 95.70): VF058112.D (-1108) (-)

Ion 174.00 (173.70 to 174.70): VF058112.D (-1108) (-)

Ion 176.00 (175.70 to 176.70): VF058112.D (-1108) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059233.D

Acq: 20 Jun 2018 18:40

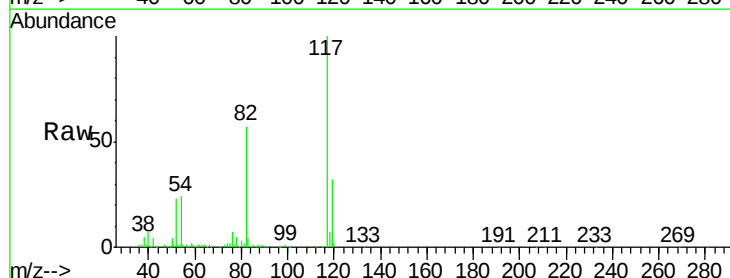
Tgt Ion: 117 Resp: 363942

Ion Ratio Lower Upper

117 100

82 57.0 45.2 67.8

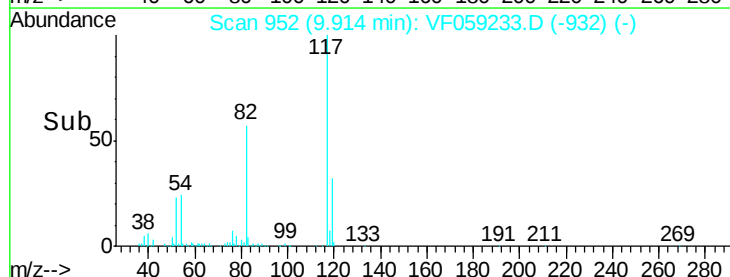
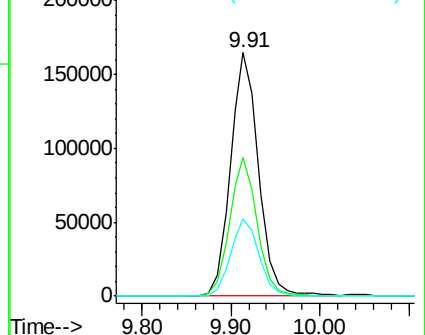
119 31.8 27.5 41.3

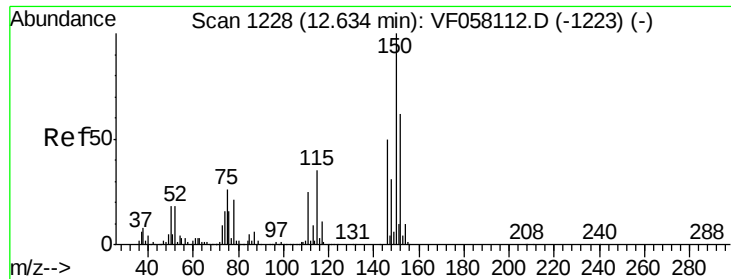


Abundance Ion 117.00 (116.70 to 117.70): VF058112.D (-945) (-)

Ion 82.00 (81.70 to 82.70): VF058112.D (-945) (-)

Ion 119.00 (118.70 to 119.70): VF058112.D (-945) (-)



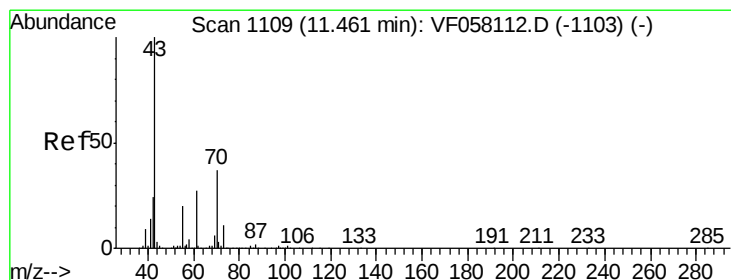
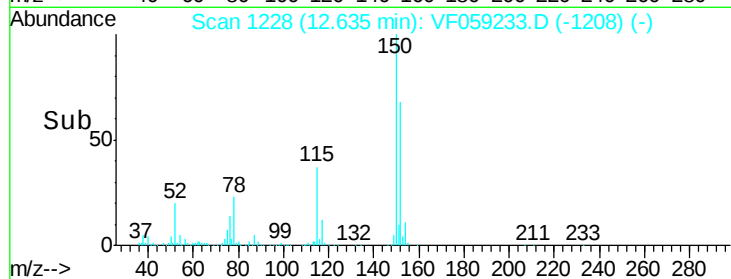
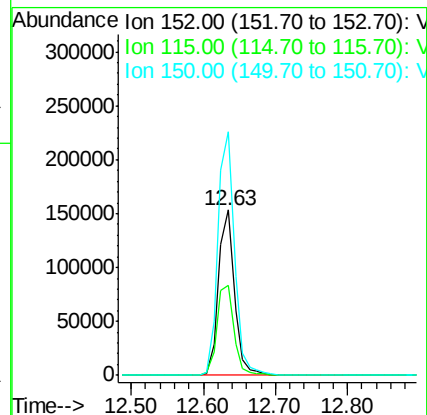
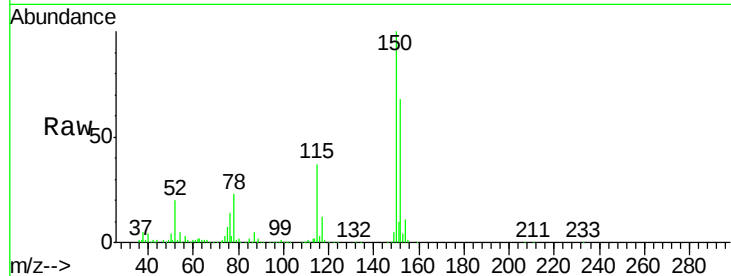


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059233.D
Acq: 20 Jun 2018 18:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.1	28.5	85.5
150	147.3	0.0	323.8



#74

N-ethyl acetate
Concen: 1.026 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VF059233.D
Acq: 20 Jun 2018 18:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.4	29.2	43.8
55	25.2	15.8	23.6#
61	19.8	21.3	31.9#

