

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059230.D
 Acq On : 20 Jun 2018 17:07
 Operator : VA/AP
 Sample : VF0620SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:37:02 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	267349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	415340	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	418343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	274333	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	183754	56.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.34%	
35) Dibromofluoromethane	4.29	113	165418	56.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.52%	
50) Toluene-d8	7.71	98	402589	47.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.51	95	231918	52.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.62%	

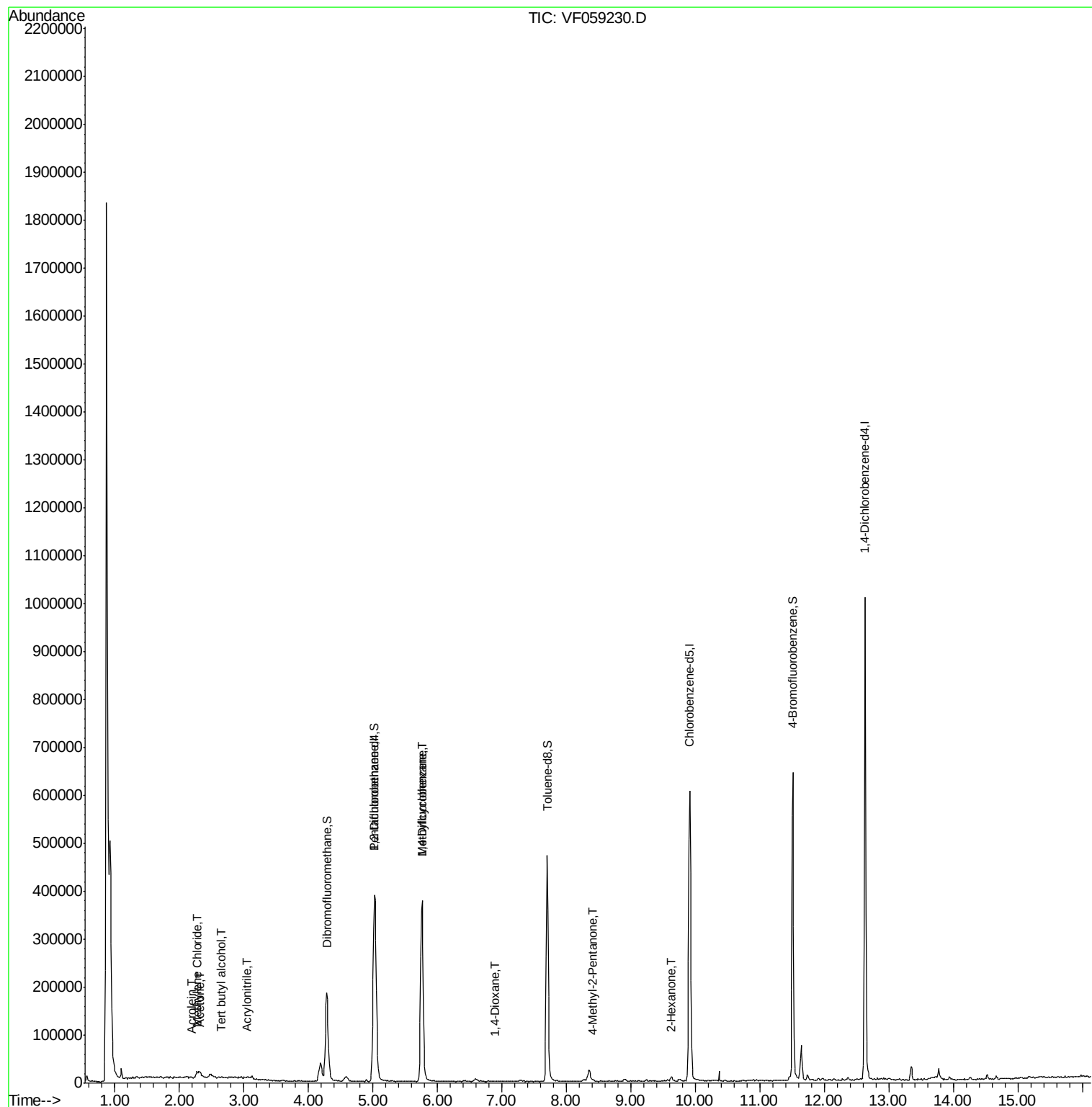
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.64	59	382	1.839	ug/l #	1
13) Acrolein	2.21	56	342	1.902	ug/l	85
15) Acrylonitrile	3.05	53	746	1.808	ug/l #	42
16) Acetone	2.33	43	4470	5.774	ug/l #	86
20) Methylene Chloride	2.27	84	4735	2.554	ug/l #	69
39) Methylcyclohexane	5.75	83	5713	1.392	ug/l #	36
49) 1,4-Dioxane	6.88	88	130	20.809	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	2962	1.297	ug/l #	82
59) 2-Hexanone	9.63	43	6724	3.723	ug/l	79
89) n-Butylbenzene	12.92	91	1361	Below Cal		74

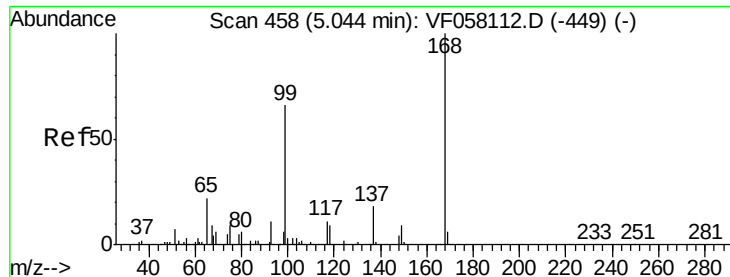
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\
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Operator : VA/AP
Sample : VF0620SBL01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 21 06:37:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
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: VF059230.D

Acq: 20 Jun 2018 17:07

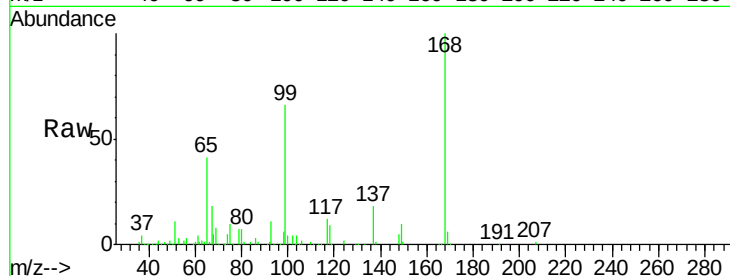
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 267349

Ion Ratio Lower Upper

168 100

99 65.7 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

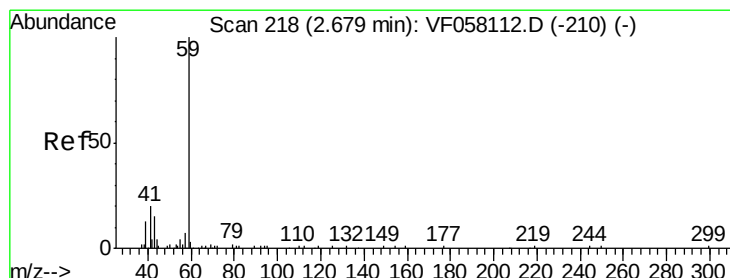
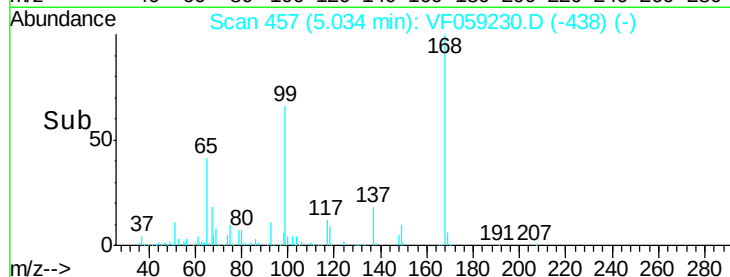
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.839 ug/l

RT: 2.64 min Scan# 214

Delta R.T. -0.04 min

Lab File: VF059230.D

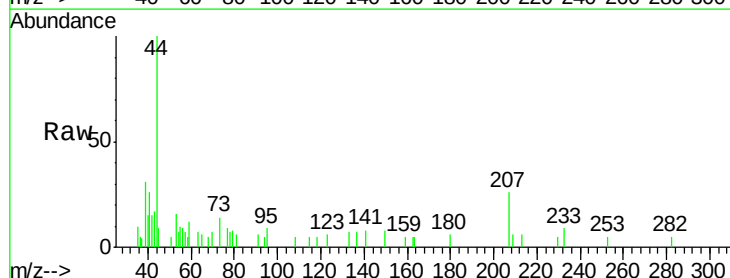
Acq: 20 Jun 2018 17:07

Tgt Ion: 59 Resp: 382

Ion Ratio Lower Upper

59 100

57 59.2 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.64

300

250

200

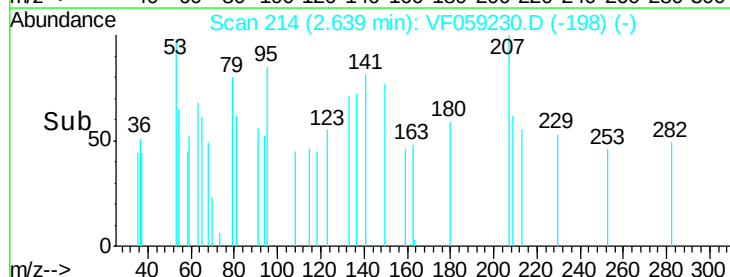
150

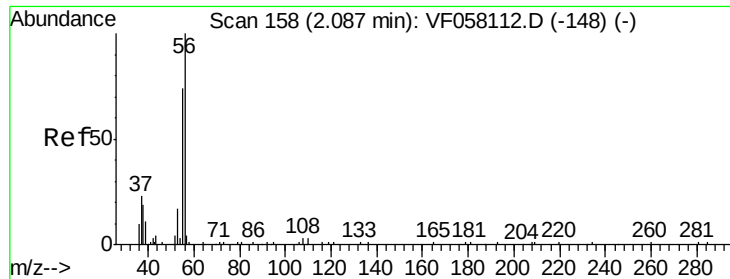
100

50

0

Time-->





#13

Acrolein

Concen: 1.902 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.12 min

Lab File: VF059230.D

Acq: 20 Jun 2018 17:07

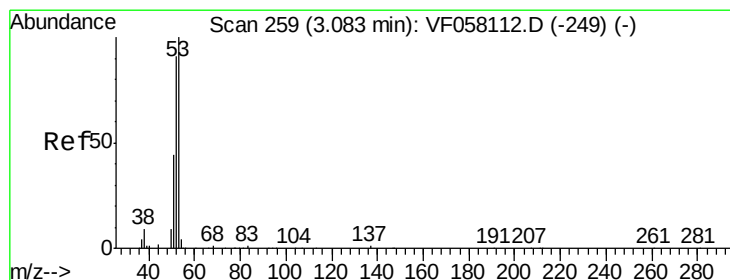
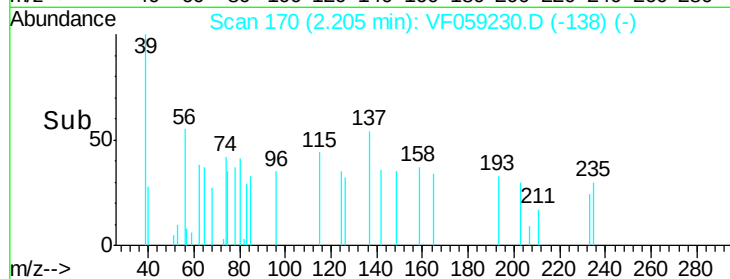
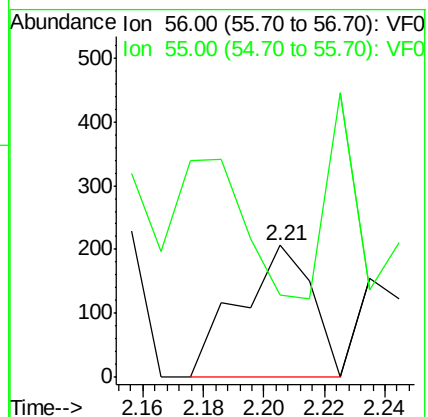
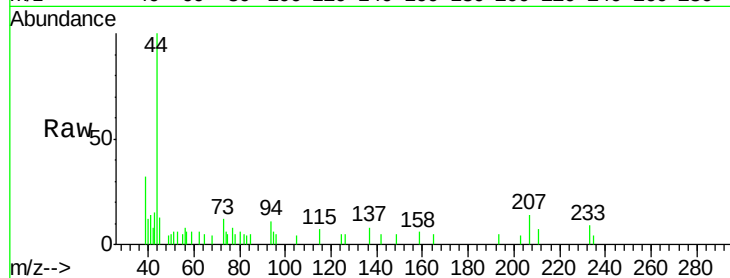
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 342

Ion Ratio Lower Upper

56 100

55 62.1 60.0 90.0



#15

Acrylonitrile

Concen: 1.808 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.03 min

Lab File: VF059230.D

Acq: 20 Jun 2018 17:07

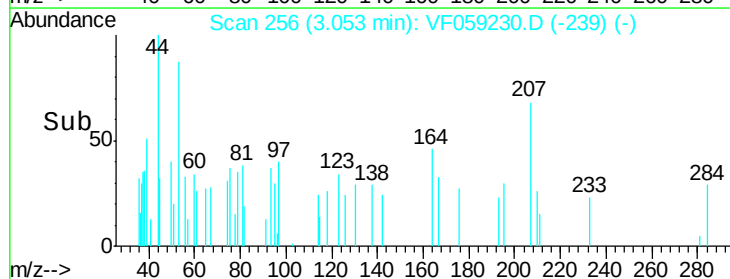
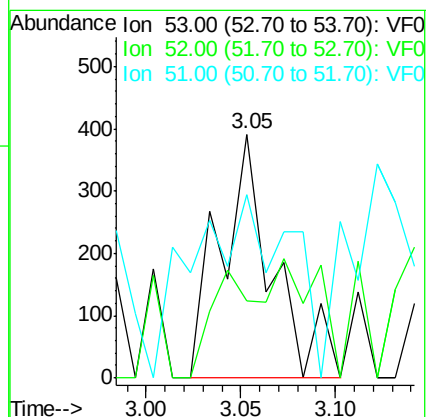
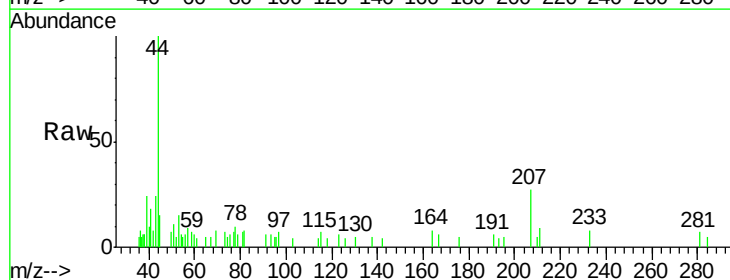
Tgt Ion: 53 Resp: 746

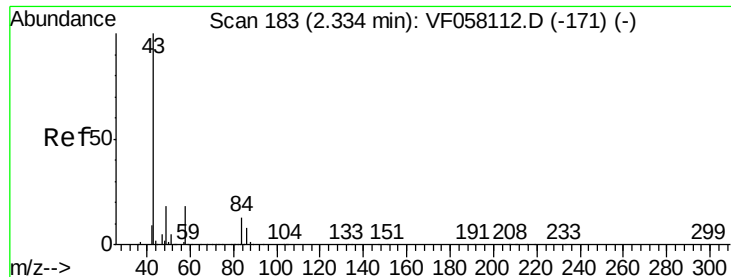
Ion Ratio Lower Upper

53 100

52 31.7 73.2 109.8#

51 75.4 35.6 53.4#





#16

Acetone

Concen: 5.774 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059230.D

Acq: 20 Jun 2018 17:07

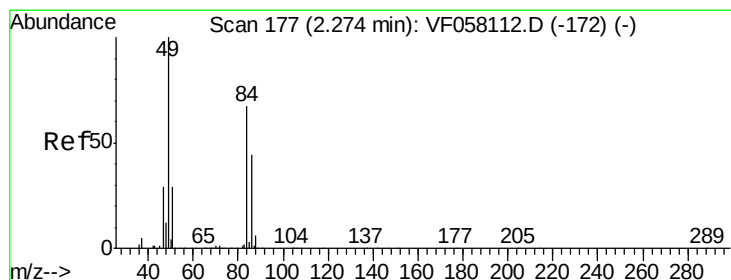
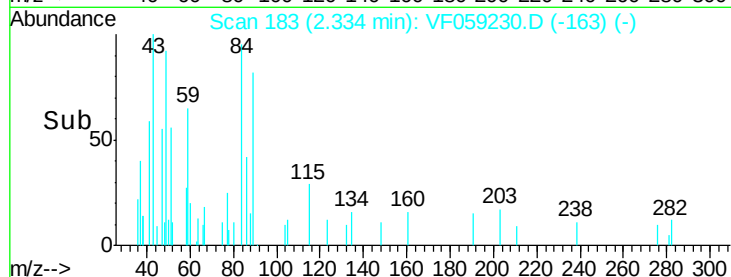
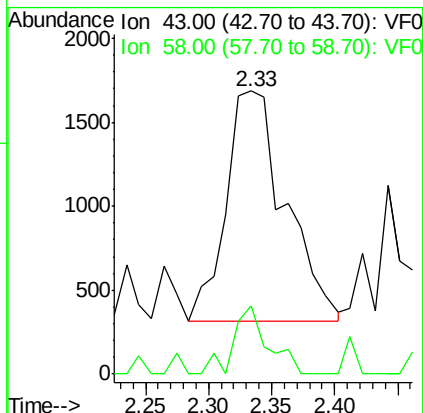
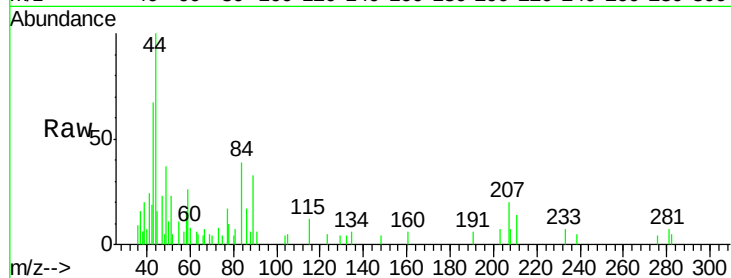
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 4470

Ion Ratio Lower Upper

43 100

58 24.1 14.4 21.6#



#20

Methylene Chloride

Concen: 2.554 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF059230.D

Acq: 20 Jun 2018 17:07

Tgt Ion: 84 Resp: 4735

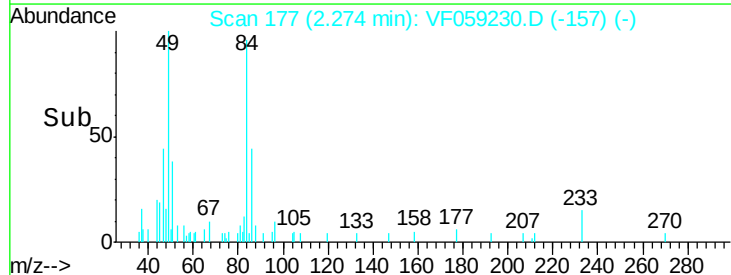
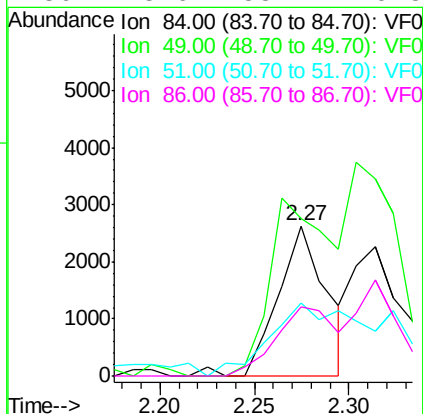
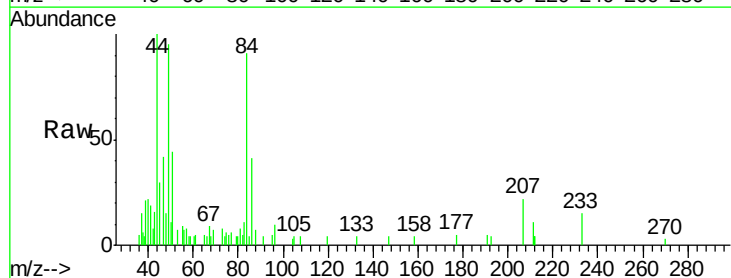
Ion Ratio Lower Upper

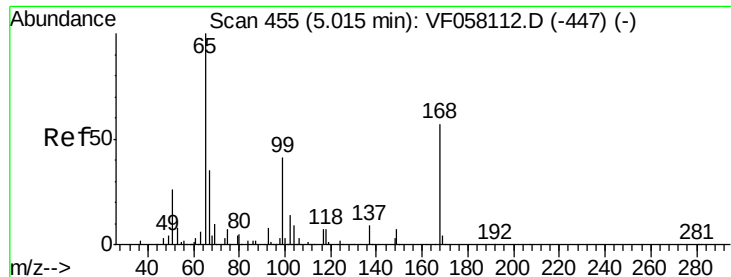
84 100

49 100.1 121.0 181.4#

51 46.7 35.8 53.6

86 43.6 53.2 79.8#

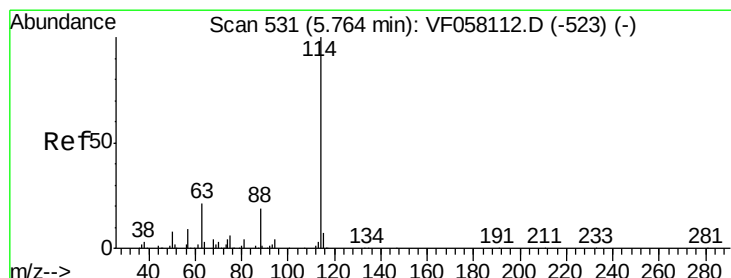
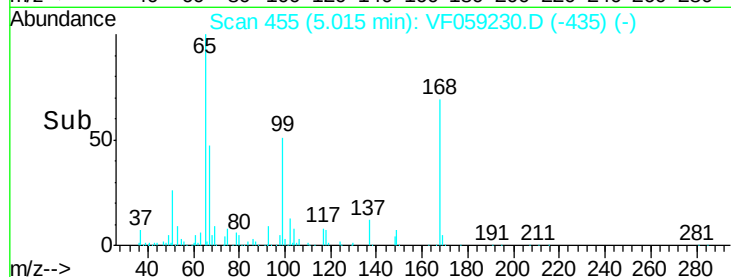
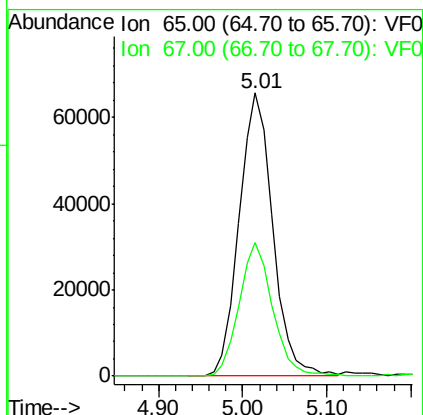
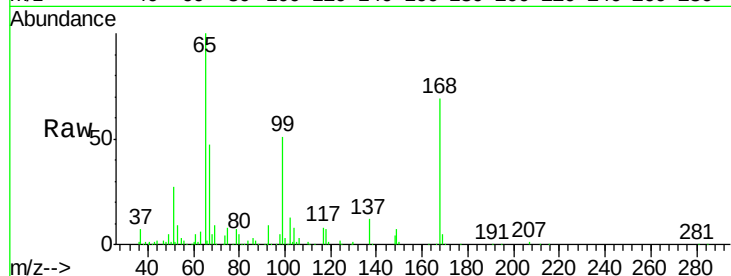




#33
 1,2-Dichloroethane-d4
 Concen: 56.672 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059230.D
 Acq: 20 Jun 2018 17:07

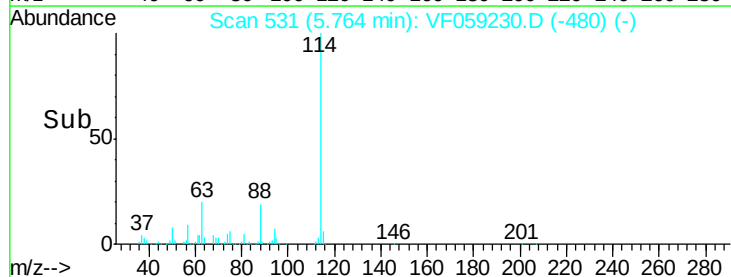
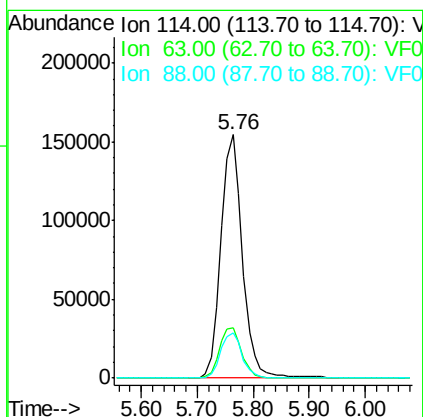
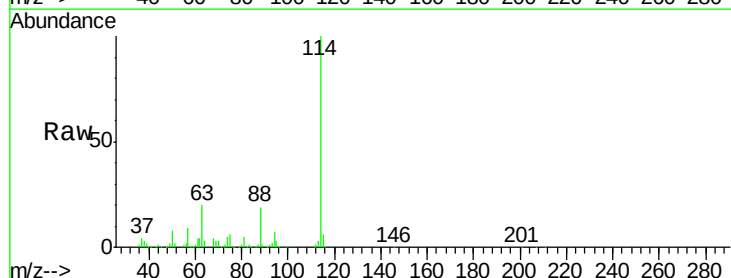
Instrument :
 MSVOA_F
 ClientSampleId :

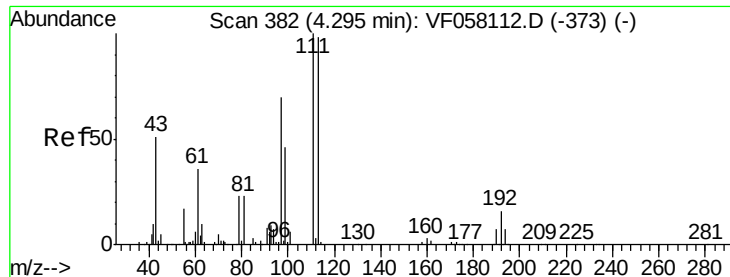
Tot Ion: 65 Resp: 183754
 Ion Ratio Lower Upper
 65 100
 67 47.4 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059230.D
 Acq: 20 Jun 2018 17:07

Tgt Ion: 114 Resp: 415340
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.6
 88 18.7 0.0 38.8





#35

Dibromofluoromethane

Concen: 56.760 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059230.D

Acq: 20 Jun 2018 17:07

Instrument :
MSVOA_F
ClientSampleId :

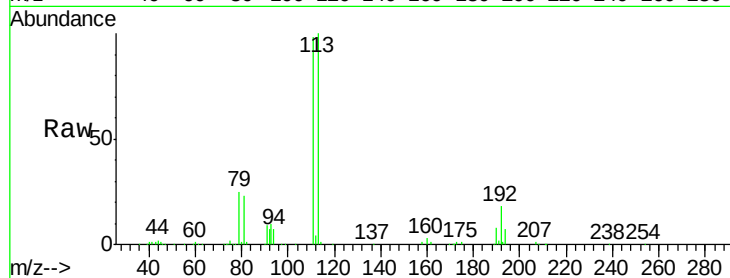
Tot Ion:113 Resp: 165418

Ion Ratio Lower Upper

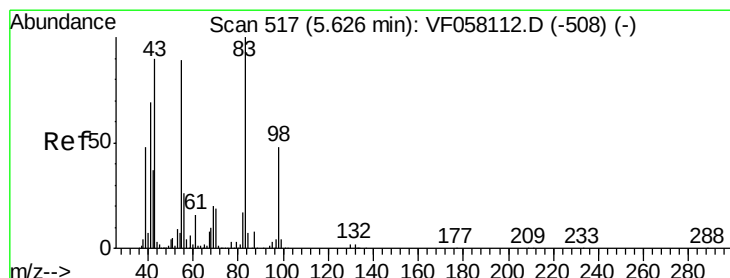
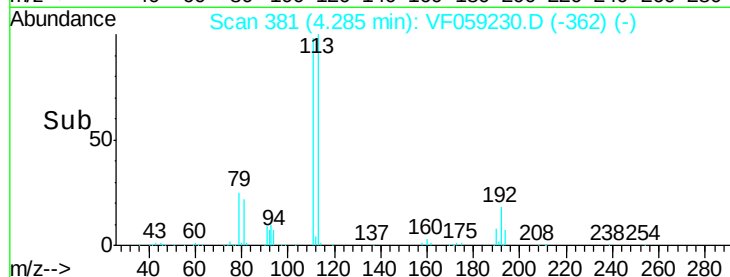
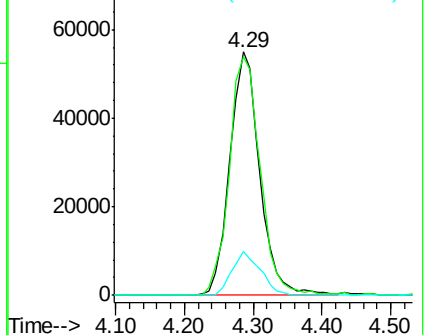
113 100

111 98.0 81.3 121.9

192 17.8 12.7 19.1



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: 1.392 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.13 min

Lab File: VF059230.D

Acq: 20 Jun 2018 17:07

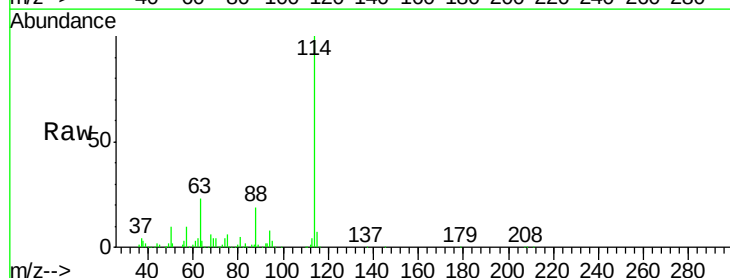
Tgt Ion: 83 Resp: 5713

Ion Ratio Lower Upper

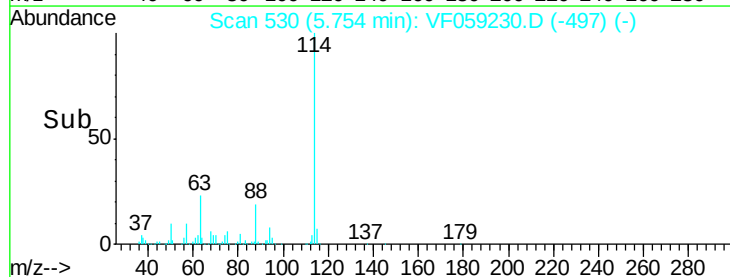
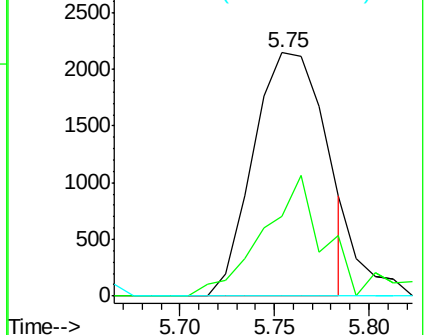
83 100

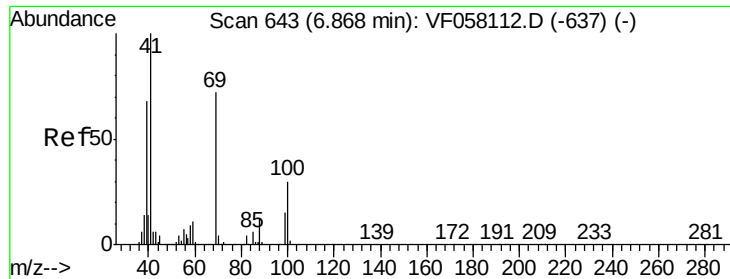
55 33.0 71.0 106.4#

98 0.0 38.1 57.1#



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

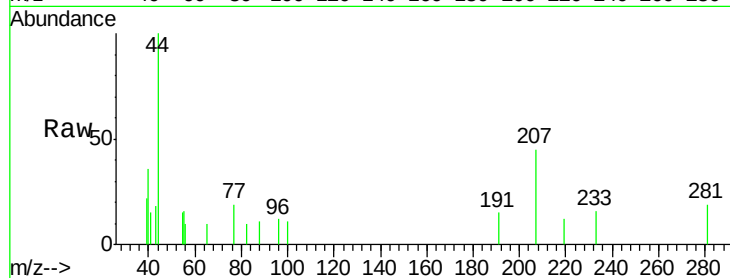




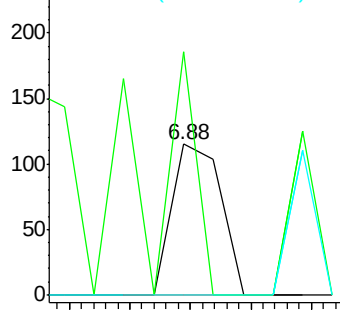
#49
1,4-Dioxane
Concen: 20.809 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF059230.D
Acq: 20 Jun 2018 17:07

Instrument :
MSVOA_F
ClientSampleId :

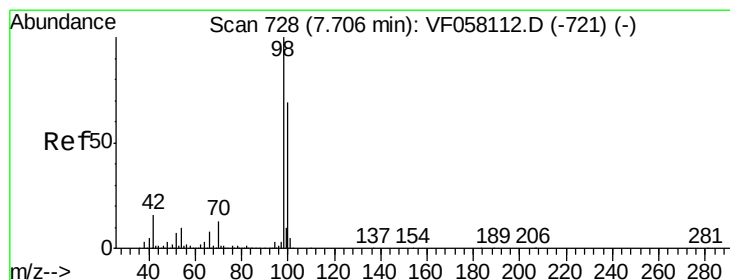
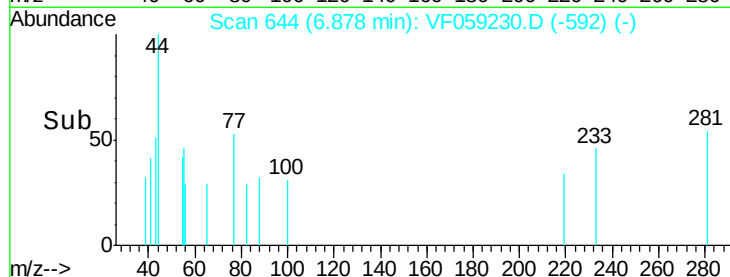
Tot Ion: 88 Resp: 130
Ion Ratio Lower Upper
88 100
43 161.7 47.8 71.8#
58 0.0 59.4 89.0#



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

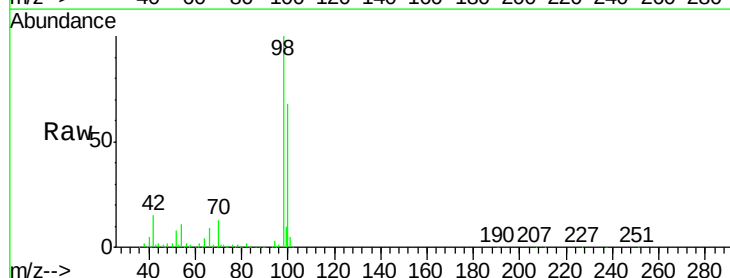


Time-->

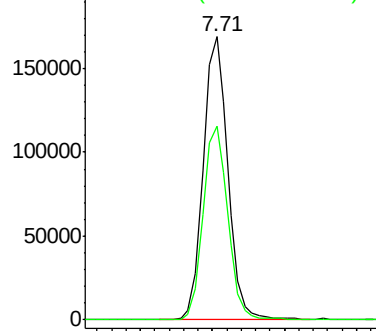


#50
Toluene-d8
Concen: 47.022 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059230.D
Acq: 20 Jun 2018 17:07

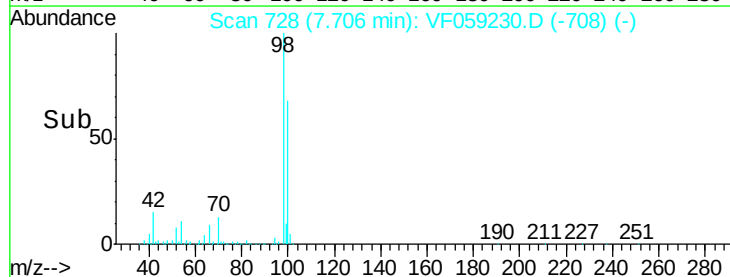
Tgt Ion: 98 Resp: 402589
Ion Ratio Lower Upper
98 100
100 68.5 55.6 83.4

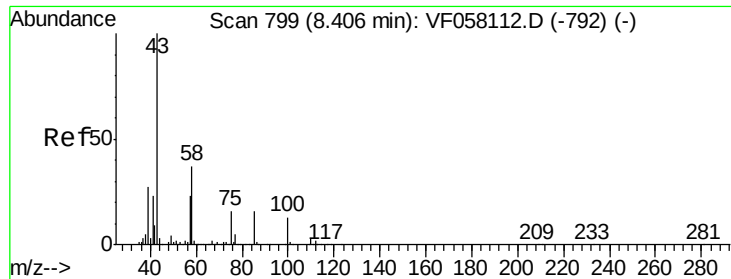


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.297 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059230.D

Acq: 20 Jun 2018 17:07

Instrument :

MSVOA_F

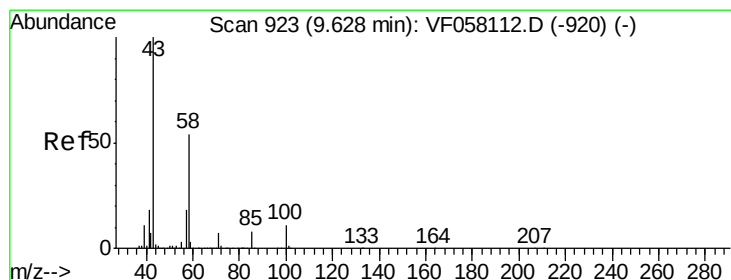
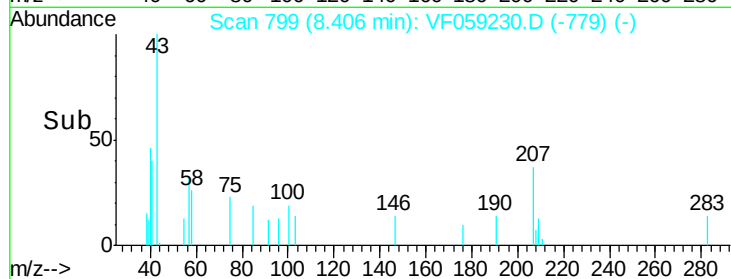
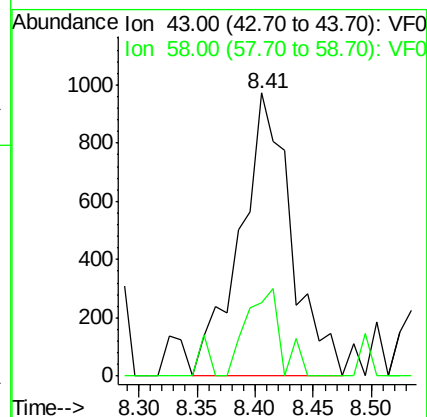
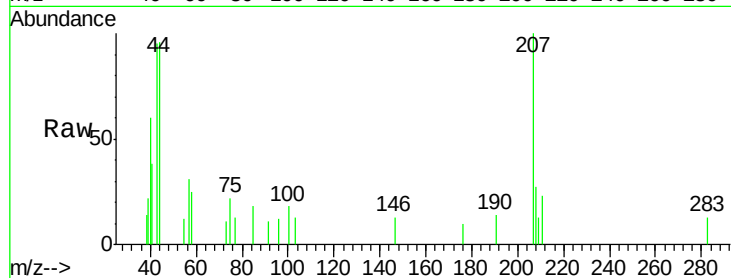
ClientSampleId :

Tot Ion: 43 Resp: 2962

Ion Ratio Lower Upper

43 100

58 25.9 29.4 44.0#



#59

2-Hexanone

Concen: 3.723 ug/l

RT: 9.63 min Scan# 923

Delta R.T. -0.00 min

Lab File: VF059230.D

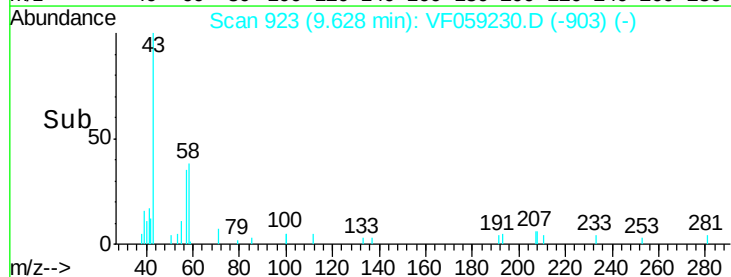
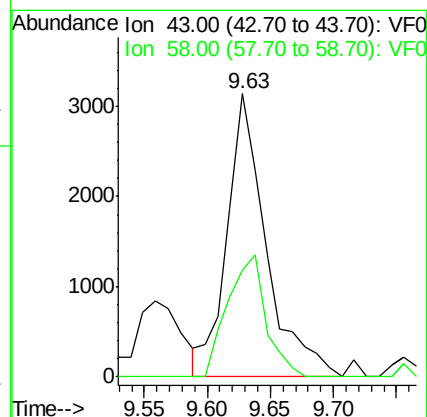
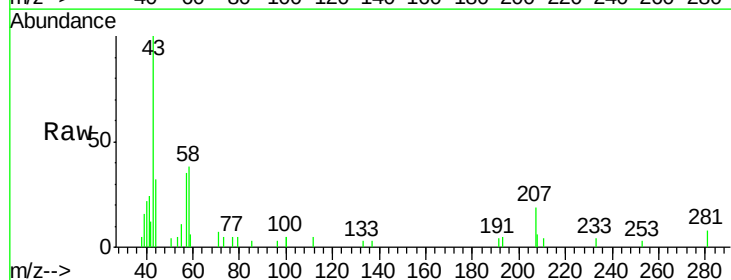
Acq: 20 Jun 2018 17:07

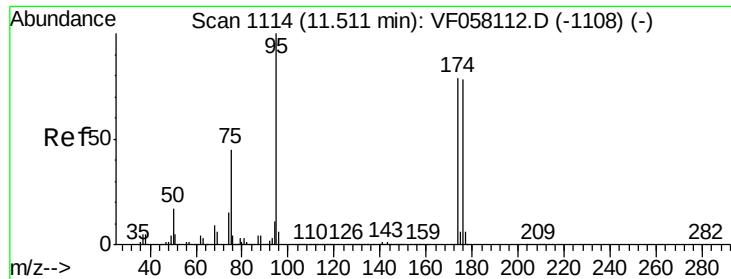
Tgt Ion: 43 Resp: 6724

Ion Ratio Lower Upper

43 100

58 37.6 26.3 78.8

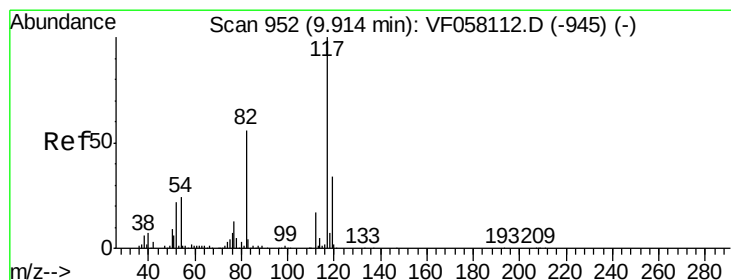
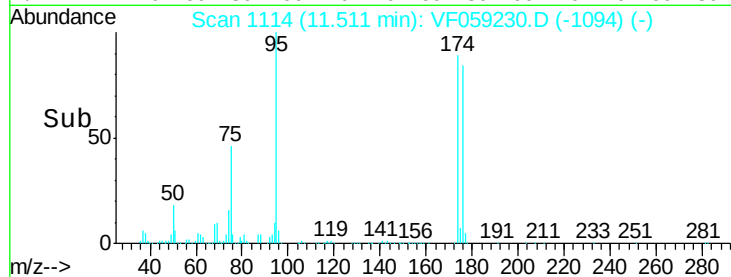
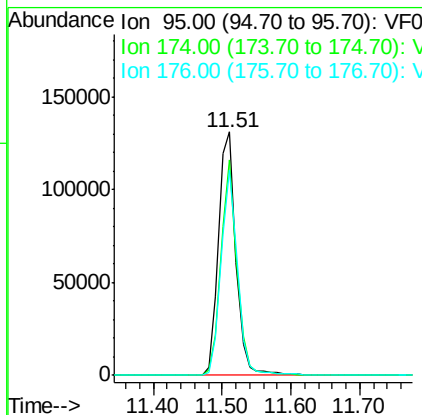
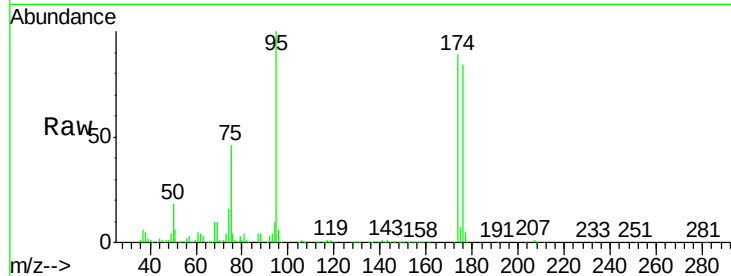




#62
4-Bromofluorobenzene
Concen: 52.813 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VF059230.D
Acq: 20 Jun 2018 17:07

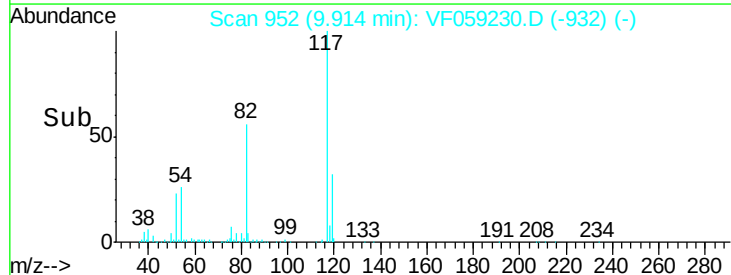
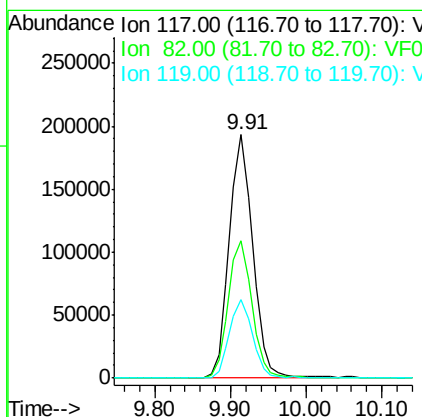
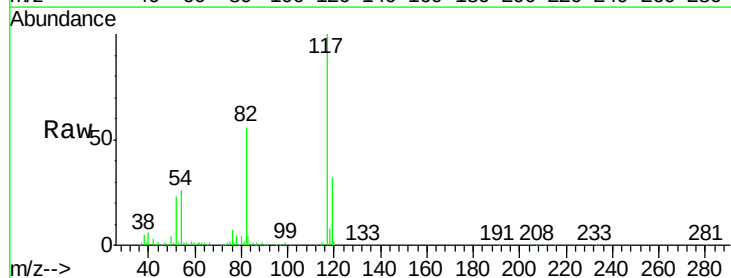
Instrument :
MSVOA_F
ClientSampleId :

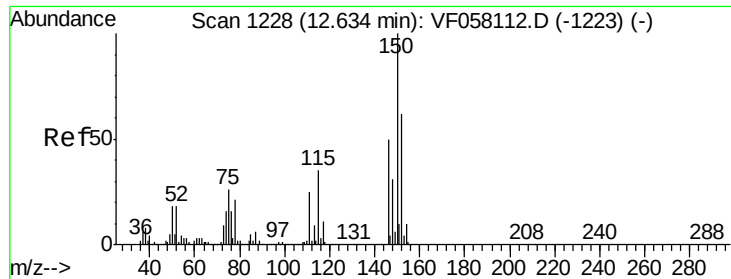
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	157.8
176	84.1	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059230.D
Acq: 20 Jun 2018 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.2	67.8
119	32.4	27.5	41.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059230.D

Acq: 20 Jun 2018 17:07

Instrument :

MSVOA_F

ClientSampleId :

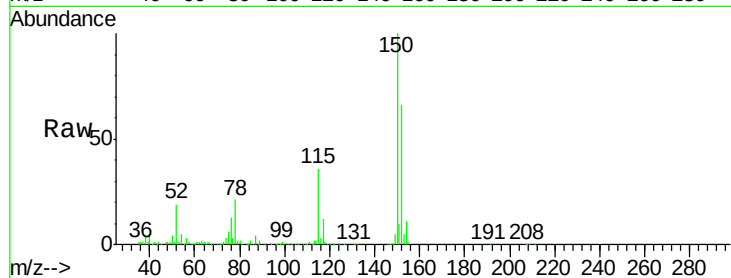
Tot Ion:152 Resp: 274333

Ion Ratio Lower Upper

152 100

115 54.2 28.5 85.5

150 152.0 0.0 323.8



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

