

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
 Data File : VF059179.D
 Acq On : 18 Jun 2018 16:52
 Operator : VA/AP
 Sample : J3566-15
 Misc : 6.49g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-6-S

Quant Time: Jun 19 02:56:44 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	284362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	452062	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	420631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	245157	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	176006	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
35) Dibromofluoromethane	4.29	113	162300	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.34%	
50) Toluene-d8	7.71	98	405784	43.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.10%	
62) 4-Bromofluorobenzene	11.50	95	190089	39.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.54%	

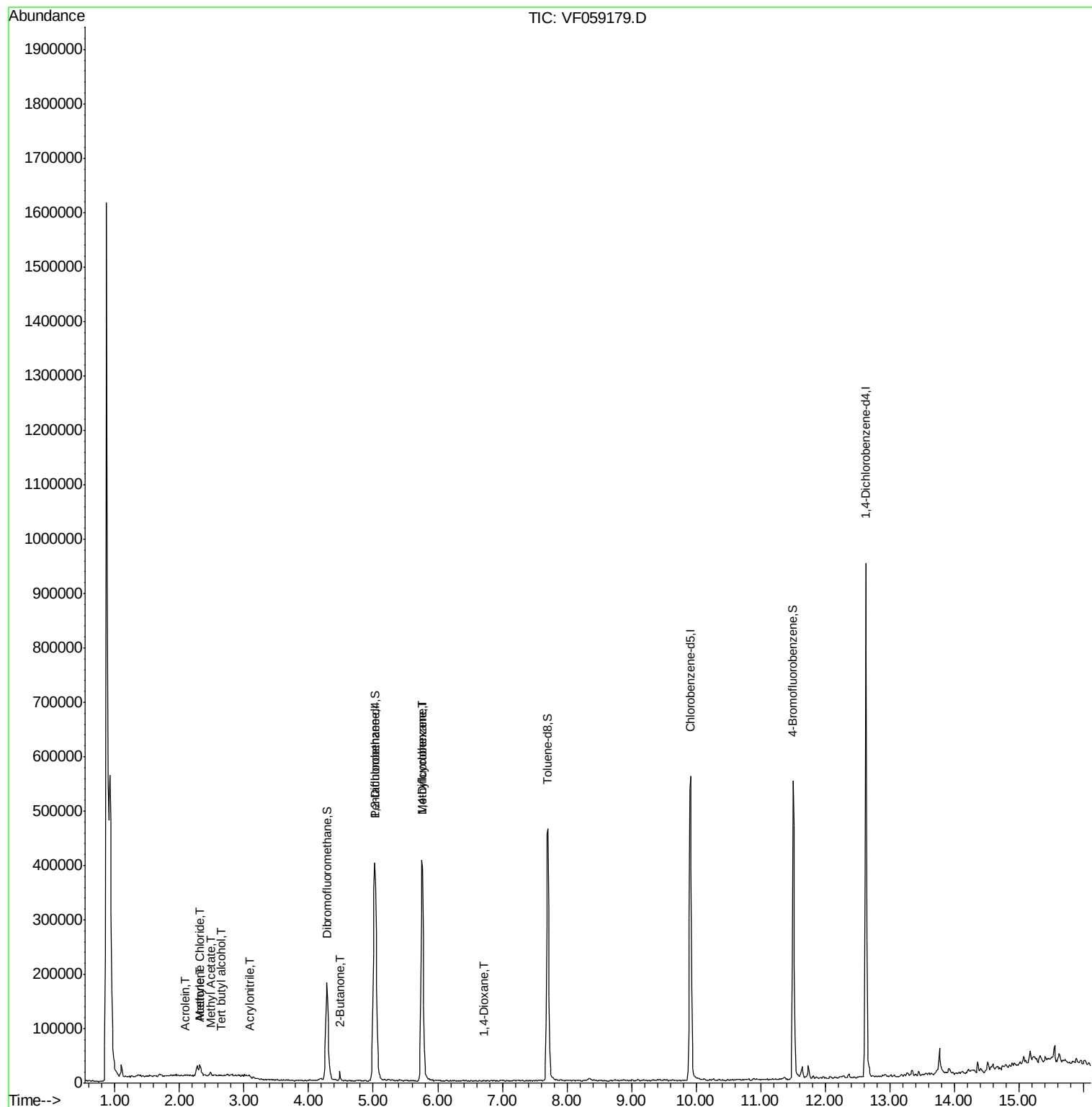
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.66	59	460	2.082	ug/l #	54
13) Acrolein	2.08	56	272	1.422	ug/l #	1
15) Acrylonitrile	3.09	53	508	1.158	ug/l #	22
16) Acetone	2.33	43	6704	8.142	ug/l	98
18) Methyl Acetate	2.47	43	3515	2.483	ug/l #	66
20) Methylene Chloride	2.31	84	7941	4.028	ug/l	97
25) 2-Butanone	4.48	43	1914	1.499	ug/l #	56
39) Methylcyclohexane	5.75	83	5240	1.173	ug/l #	43
49) 1,4-Dioxane	6.72	88	63	16.541	ug/l #	16
89) n-Butylbenzene	12.92	91	766	Below Cal		70

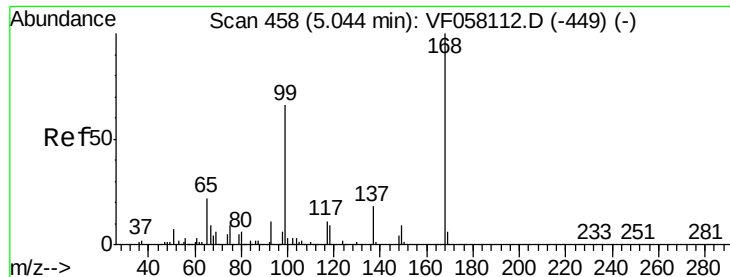
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059179.D

Acq: 18 Jun 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

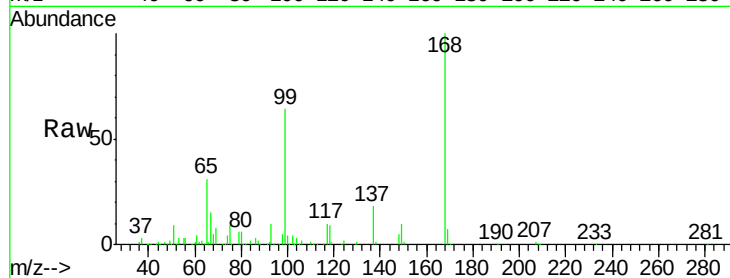
TP-6-S

Tgt Ion:168 Resp: 284362

Ion Ratio Lower Upper

168 100

99 63.9 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

60000

40000

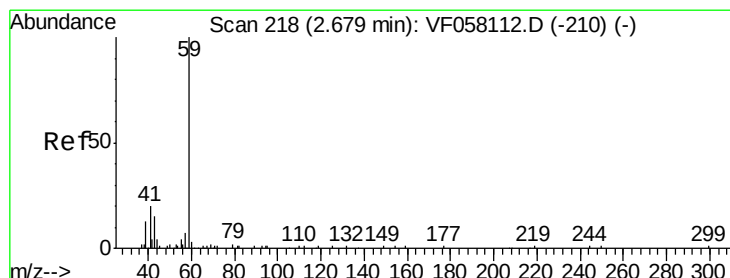
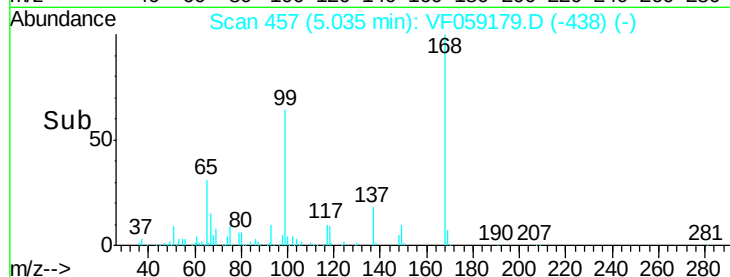
20000

0

Time-->

4.90 5.00 5.10 5.20

5.03



#11

Tert butyl alcohol

Concen: 2.082 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.02 min

Lab File: VF059179.D

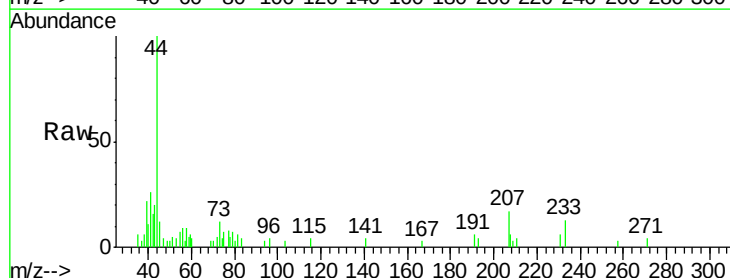
Acq: 18 Jun 2018 16:52

Tgt Ion: 59 Resp: 460

Ion Ratio Lower Upper

59 100

57 28.3 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

400

300

200

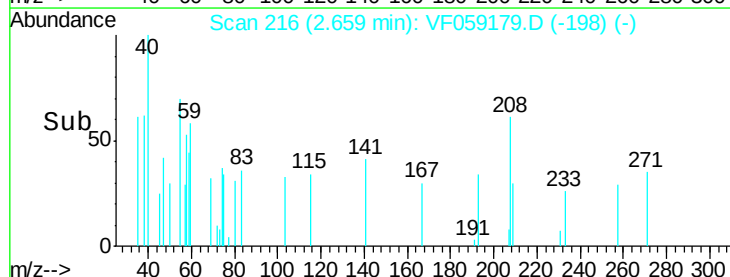
100

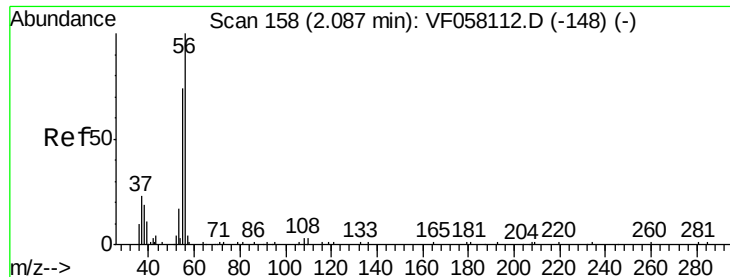
0

Time-->

2.62 2.64 2.66 2.68

2.66





#13

Acrolein

Concen: 1.422 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059179.D

Acq: 18 Jun 2018 16:52

Instrument :

MSVOA_F

ClientSampled :

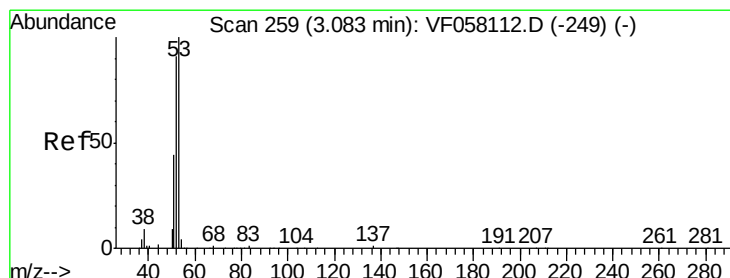
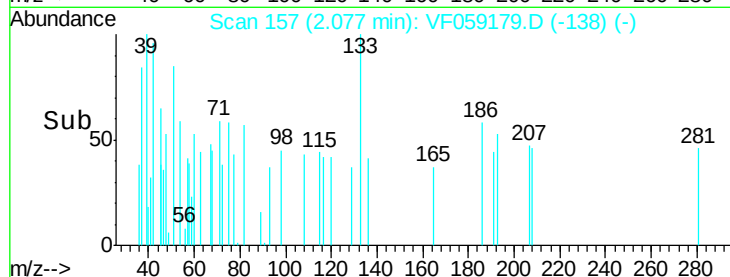
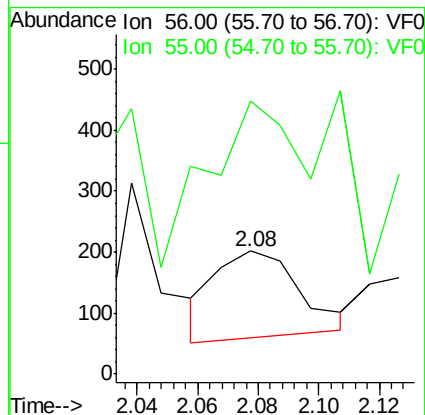
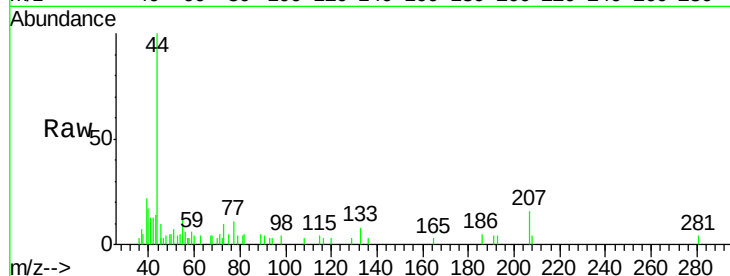
TP-6-S

Tgt Ion: 56 Resp: 272

Ion Ratio Lower Upper

56 100

55 221.3 60.0 90.0#



#15

Acrylonitrile

Concen: 1.158 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF059179.D

Acq: 18 Jun 2018 16:52

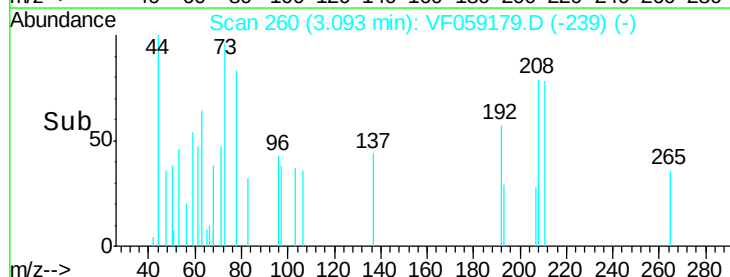
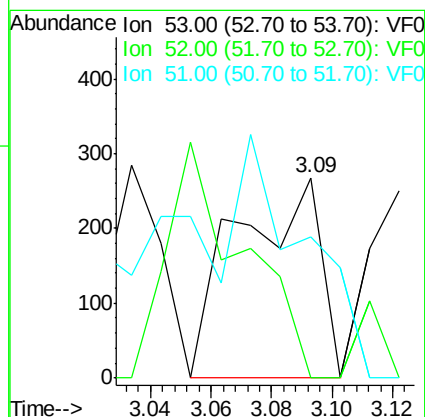
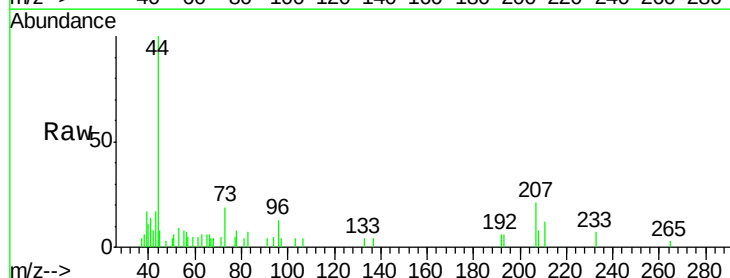
Tgt Ion: 53 Resp: 508

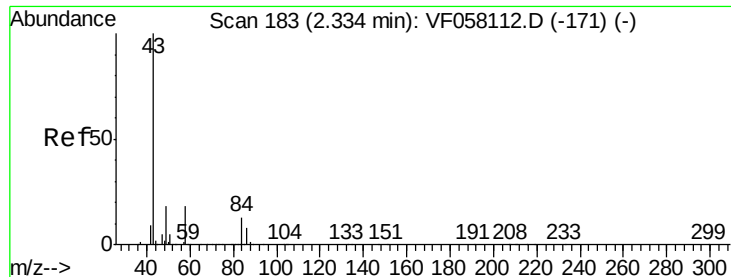
Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

51 70.1 35.6 53.4#





#16

Acetone

Concen: 8.142 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059179.D

Acq: 18 Jun 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

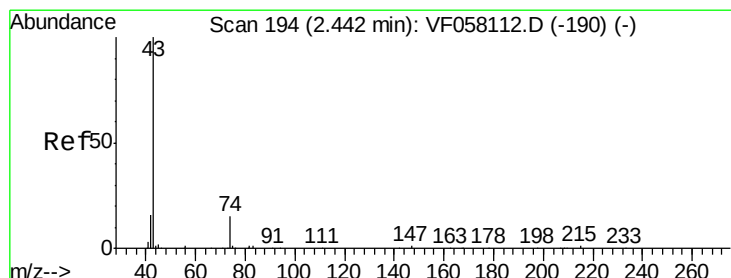
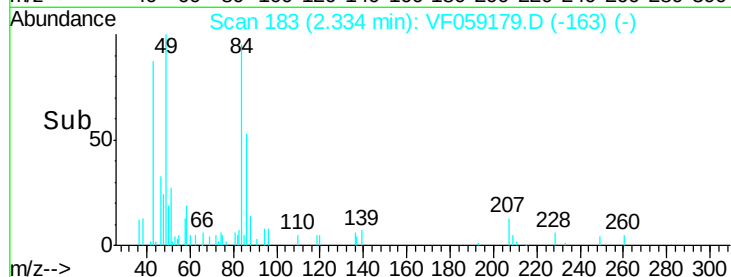
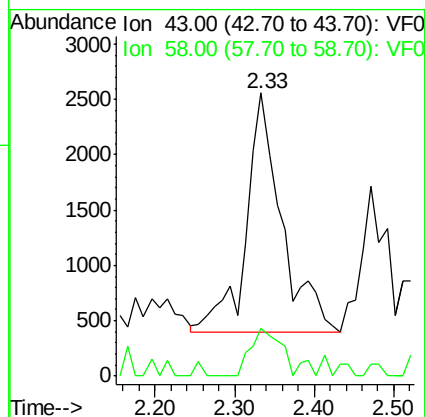
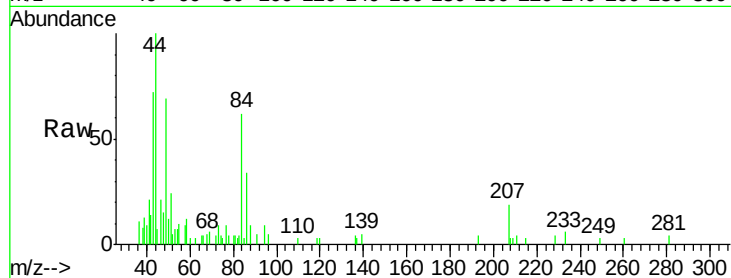
TP-6-S

Tgt Ion: 43 Resp: 6704

Ion Ratio Lower Upper

43 100

58 17.1 14.4 21.6



#18

Methyl Acetate

Concen: 2.483 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.03 min

Lab File: VF059179.D

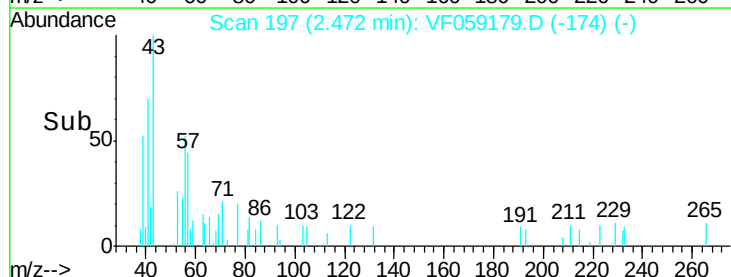
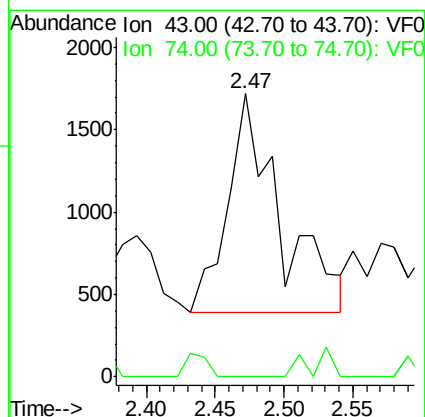
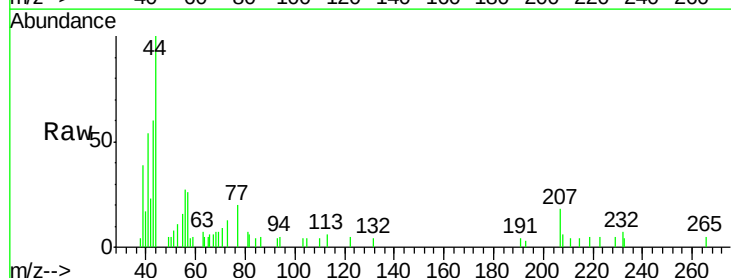
Acq: 18 Jun 2018 16:52

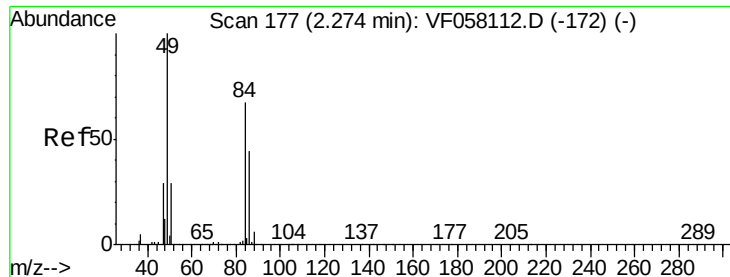
Tgt Ion: 43 Resp: 3515

Ion Ratio Lower Upper

43 100

74 0.0 10.9 16.3#

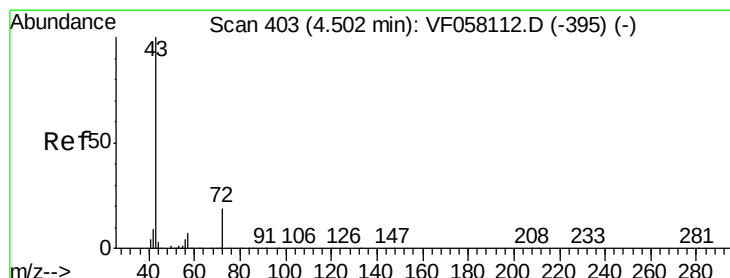
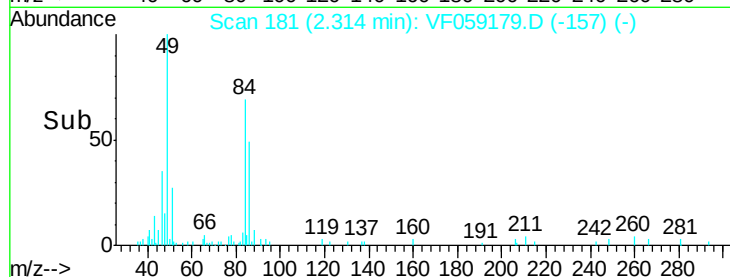
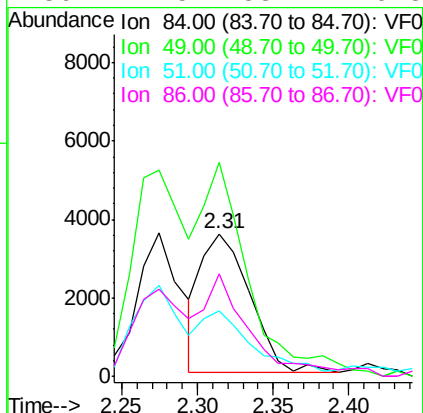
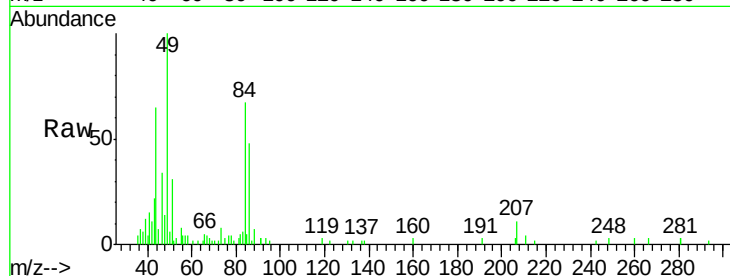




#20
Methylene Chloride
Concen: 4.028 ug/l
RT: 2.31 min Scan# 181
Delta R.T. 0.04 min
Lab File: VF059179.D
Acq: 18 Jun 2018 16:52

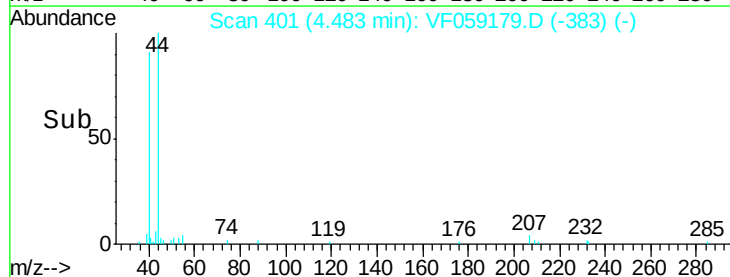
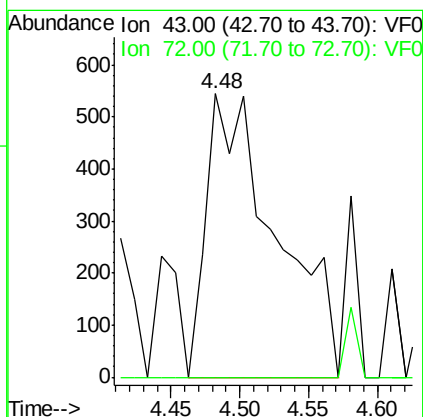
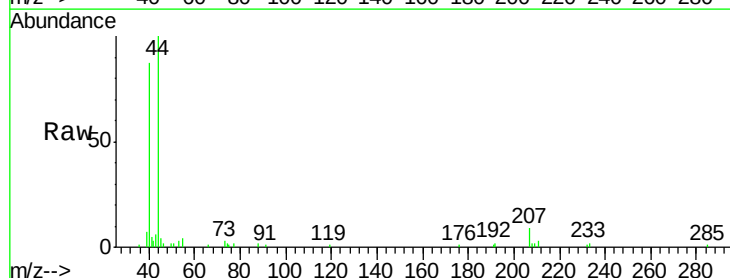
Instrument :
MSVOA_F
ClientSampleId :
TP-6-S

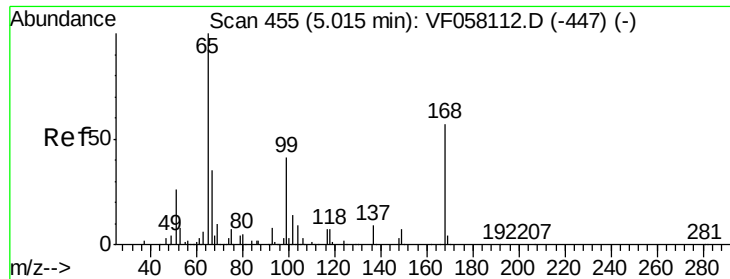
Tgt Ion:	84	Resp:	7941
Ion	Ratio	Lower	Upper
84	100		
49	149.8	121.0	181.4
51	48.6	35.8	53.6
86	71.5	53.2	79.8



#25
2-Butanone
Concen: 1.499 ug/l
RT: 4.48 min Scan# 401
Delta R.T. -0.02 min
Lab File: VF059179.D
Acq: 18 Jun 2018 16:52

Tgt Ion:	43	Resp:	1914
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.1	24.1#

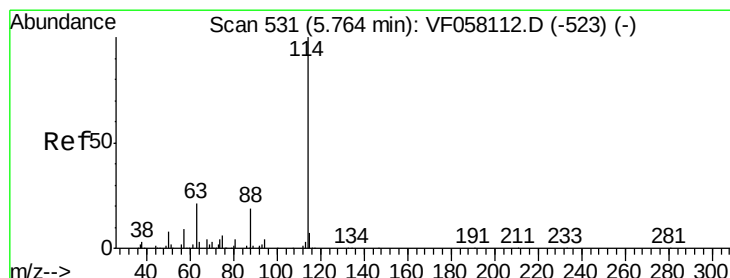
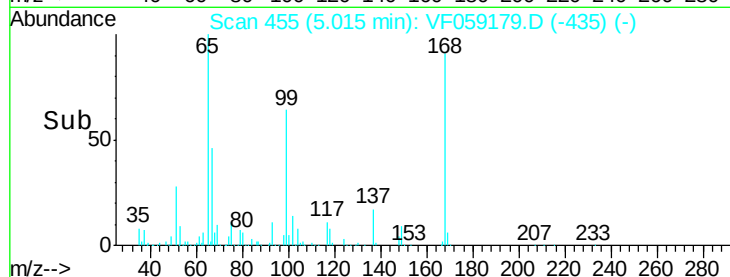
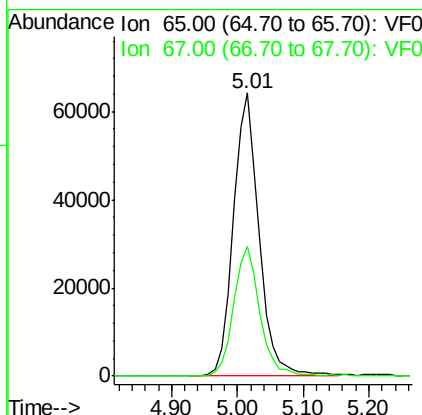
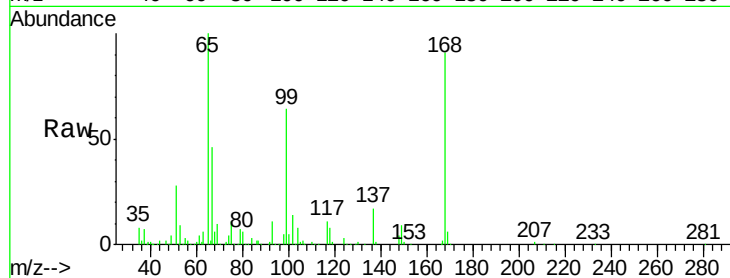




#33
 1,2-Dichloroethane-d4
 Concen: 51.035 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059179.D
 Acq: 18 Jun 2018 16:52

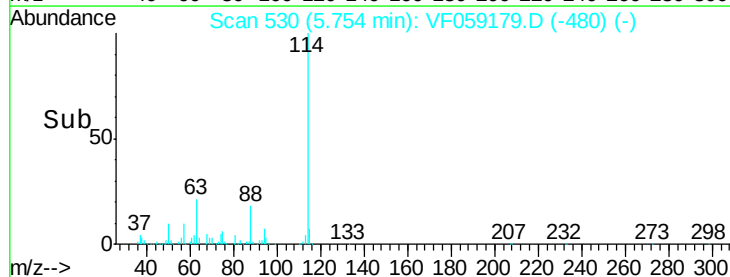
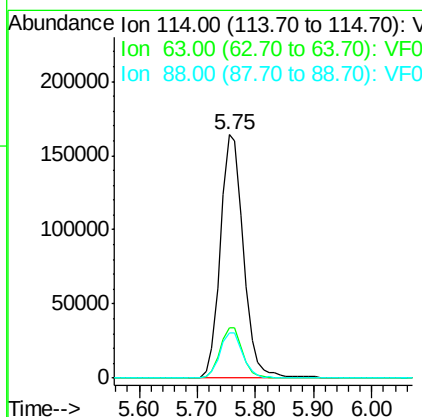
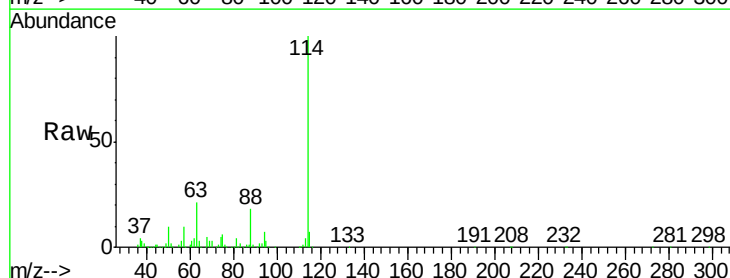
Instrument :
 MSVOA_F
 ClientSampled :
 TP-6-S

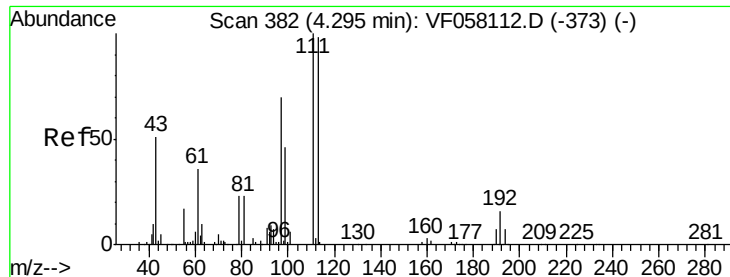
Tgt Ion: 65 Resp: 176006
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059179.D
 Acq: 18 Jun 2018 16:52

Tgt Ion: 114 Resp: 452062
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.6
 88 18.4 0.0 38.8





#35

Dibromofluoromethane

Concen: 51.166 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059179.D

Acq: 18 Jun 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

TP-6-S

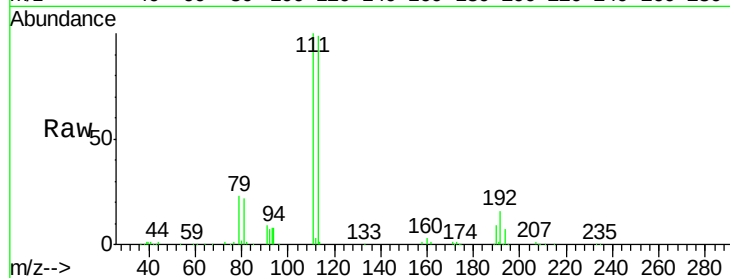
Tgt Ion:113 Resp: 162300

Ion Ratio Lower Upper

113 100

111 100.8 81.3 121.9

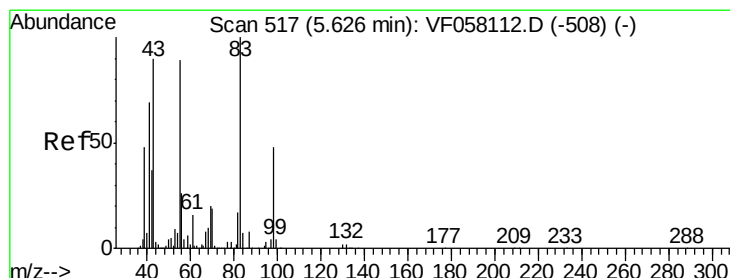
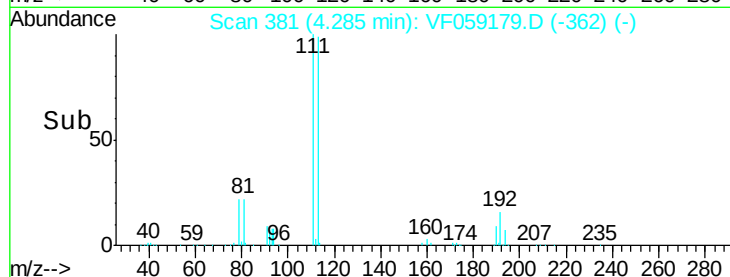
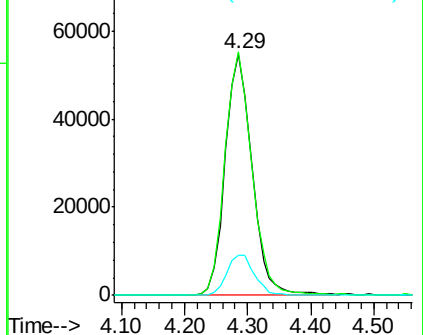
192 16.8 12.7 19.1



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: 1.173 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.13 min

Lab File: VF059179.D

Acq: 18 Jun 2018 16:52

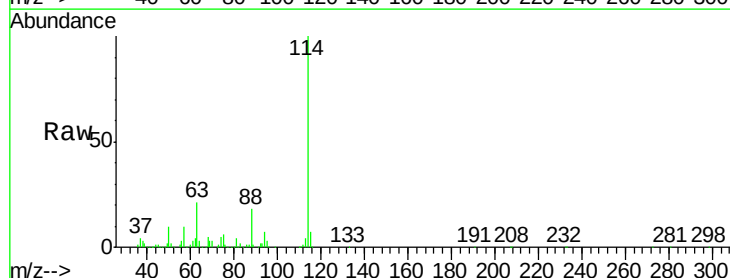
Tgt Ion: 83 Resp: 5240

Ion Ratio Lower Upper

83 100

55 42.1 71.0 106.4#

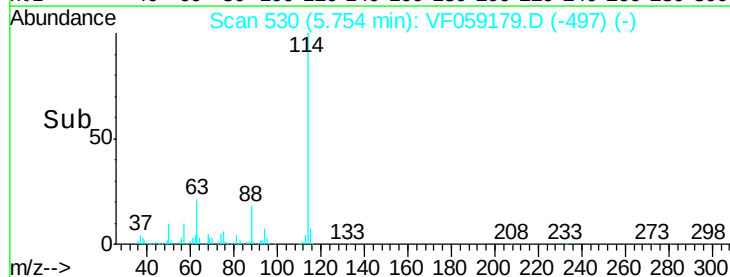
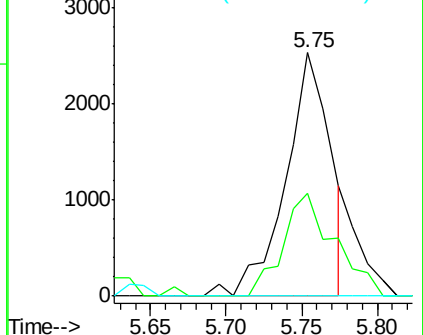
98 0.0 38.1 57.1#

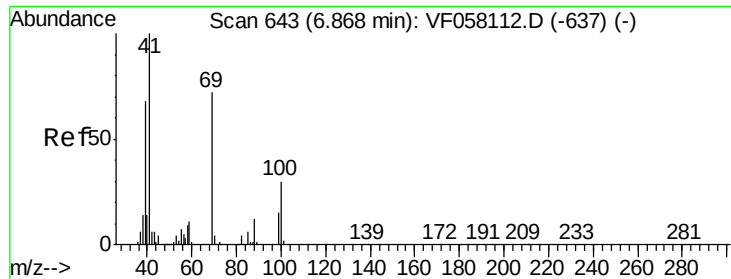


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: 16.541 ug/l

RT: 6.72 min Scan# 628

Delta R.T. -0.15 min

Lab File: VF059179.D

Acq: 18 Jun 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

TP-6-S

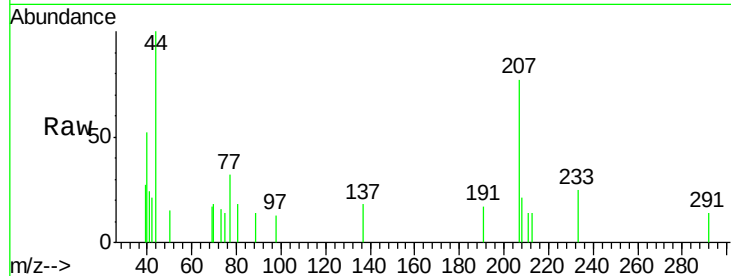
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 47.8 71.8#

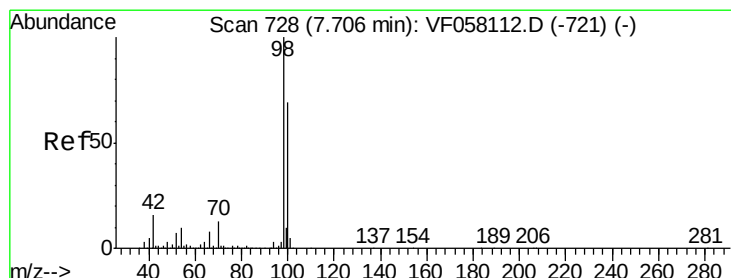
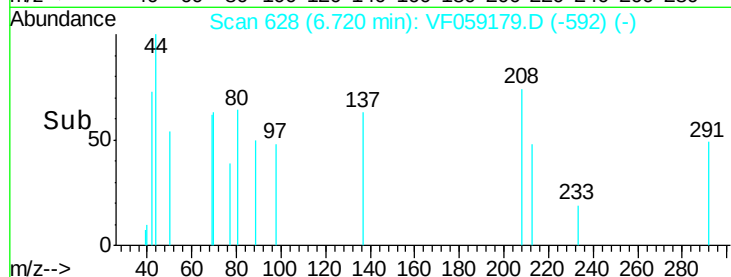
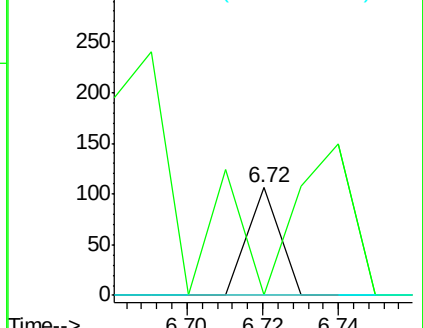
58 0.0 59.4 89.0#



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



#50

Toluene-d8

Concen: 43.545 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059179.D

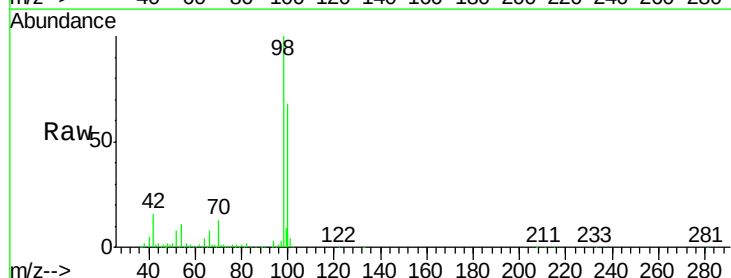
Acq: 18 Jun 2018 16:52

Tgt Ion: 98 Resp: 405784

Ion Ratio Lower Upper

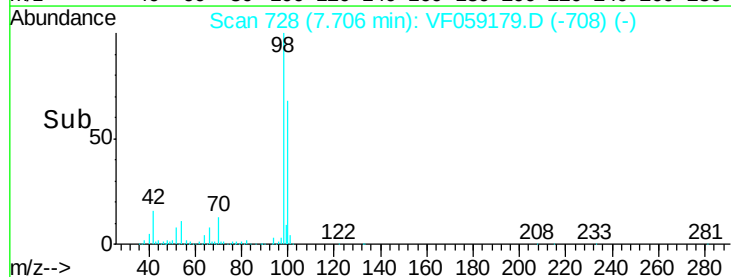
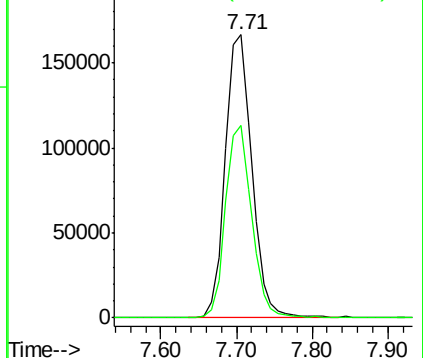
98 100

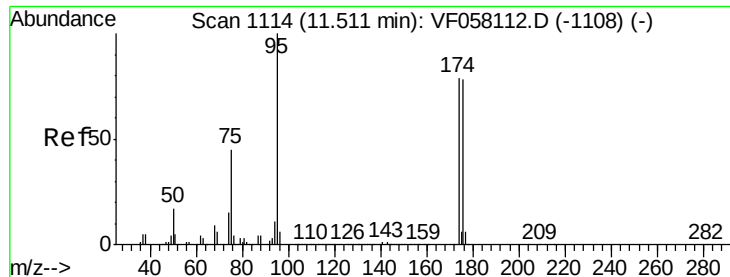
100 68.0 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 39.771 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059179.D

Acq: 18 Jun 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

TP-6-S

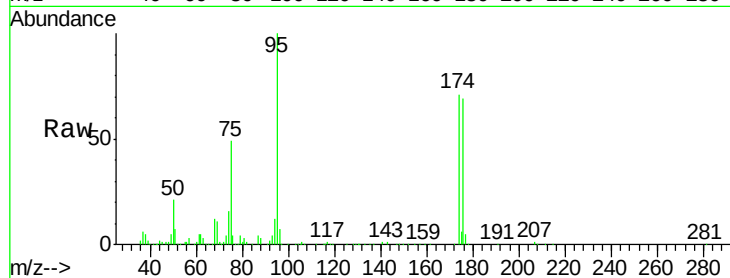
Tgt Ion: 95 Resp: 190089

Ion Ratio Lower Upper

95 100

174 70.8 0.0 157.8

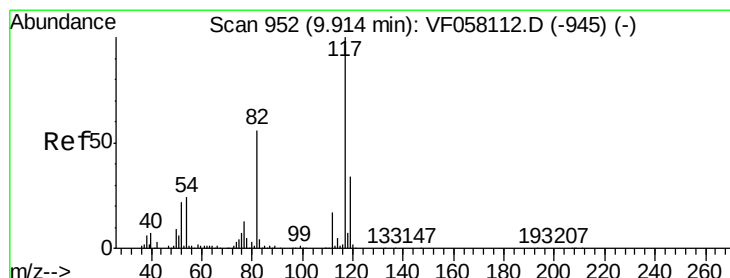
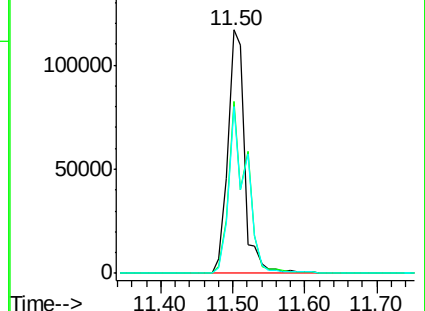
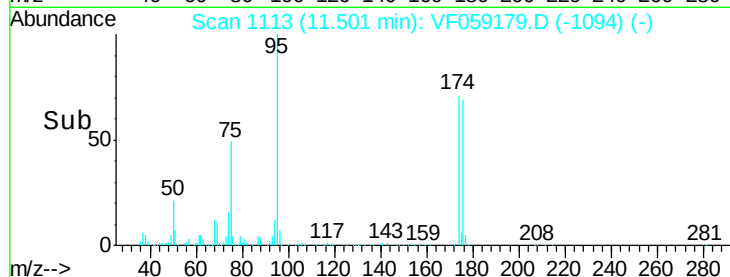
176 68.6 0.0 155.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059179.D

Acq: 18 Jun 2018 16:52

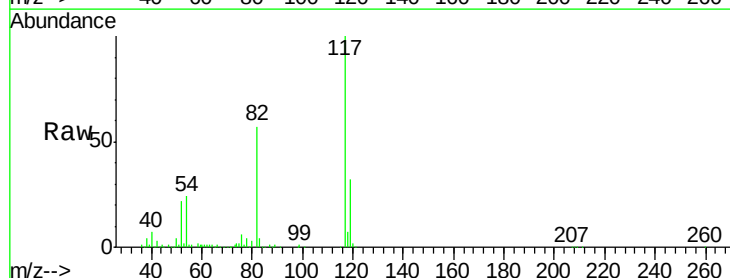
Tgt Ion: 117 Resp: 420631

Ion Ratio Lower Upper

117 100

82 57.2 45.2 67.8

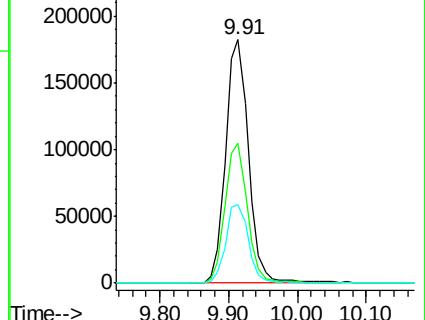
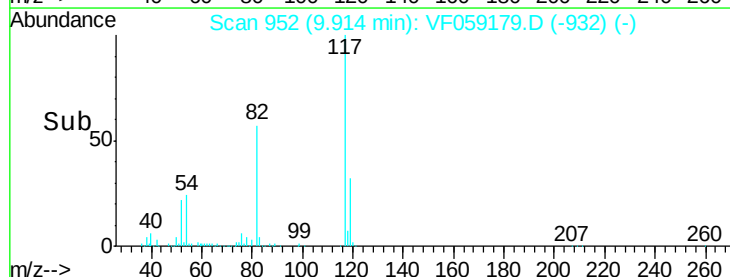
119 32.0 27.5 41.3

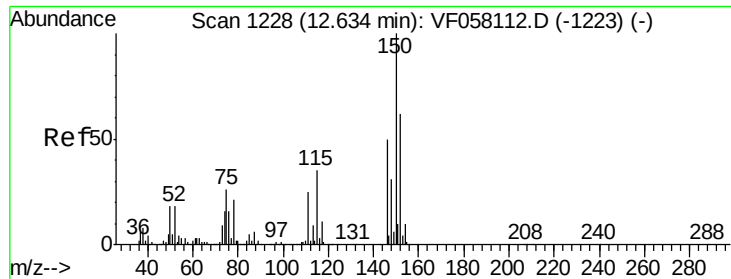


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059179.D
 Acq: 18 Jun 2018 16:52

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-6-S

Tgt Ion	Resp	Lower	Upper
152	245157		
152	100		
115	62.8	28.5	85.5
150	156.1	0.0	323.8

