

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
 Data File : VF059176.D
 Acq On : 18 Jun 2018 15:29
 Operator : VA/AP
 Sample : J3566-03
 Misc : 5.47g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-8-S

Quant Time: Jun 19 02:56:11 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	5.04	168	290389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	424413	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	403387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	243931	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	187933	53.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.72%	
35) Dibromofluoromethane	4.28	113	166468	55.90	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.80%	
50) Toluene-d8	7.70	98	427961	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	11.50	95	216624	48.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.56%	

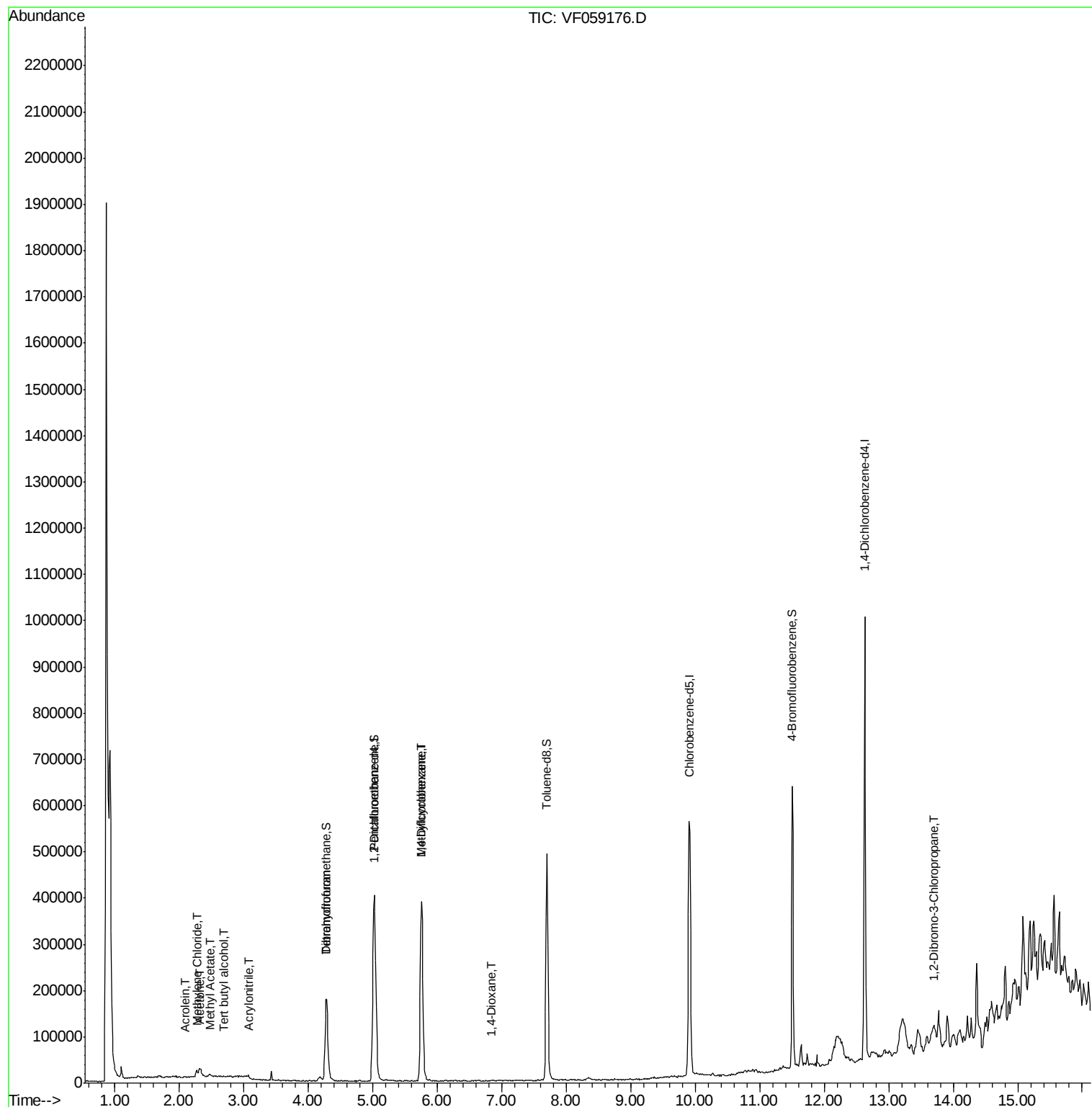
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	1345	5.960	ug/l #	1
13) Acrolein	2.09	56	360	1.843	ug/l #	1
15) Acrylonitrile	3.08	53	594	1.325	ug/l #	26
16) Acetone	2.34	43	14981	17.816	ug/l #	88
18) Methyl Acetate	2.47	43	2601	1.799	ug/l #	66
20) Methylene Chloride	2.27	84	5559	2.761	ug/l	89
29) Tetrahydrofuran	4.27	42	1702	2.963	ug/l #	49
39) Methylcyclohexane	5.76	83	4689	1.118	ug/l #	44
49) 1,4-Dioxane	6.85	88	64	16.822	ug/l #	1
89) n-Butylbenzene	12.92	91	1688	Below Cal	#	70
92) 1,2-Dibromo-3-Chloropropan	13.69	75	2167	2.759	ug/l #	1

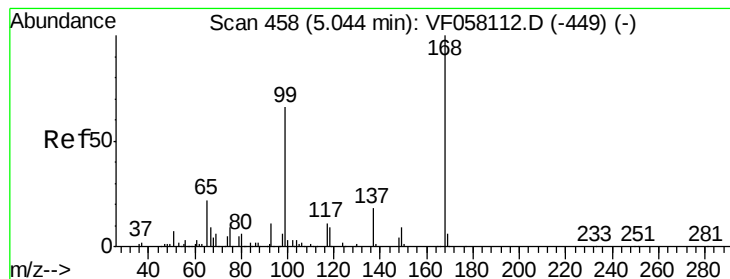
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059176.D

Acq: 18 Jun 2018 15:29

Instrument :

MSVOA_F

ClientSampleId :

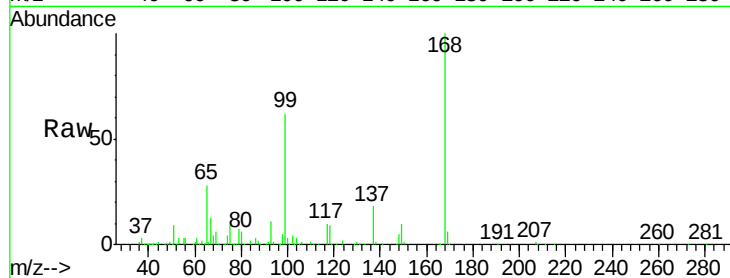
TP-8-S

Tgt Ion:168 Resp: 290389

Ion Ratio Lower Upper

168 100

99 62.0 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

100000

80000

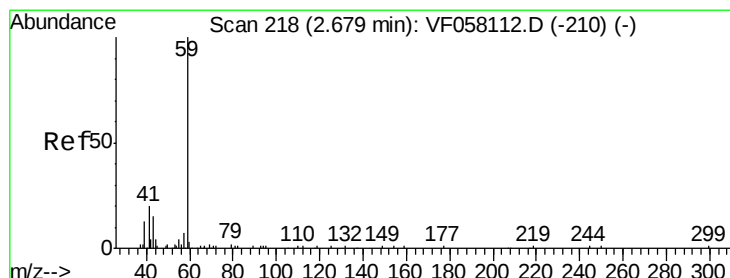
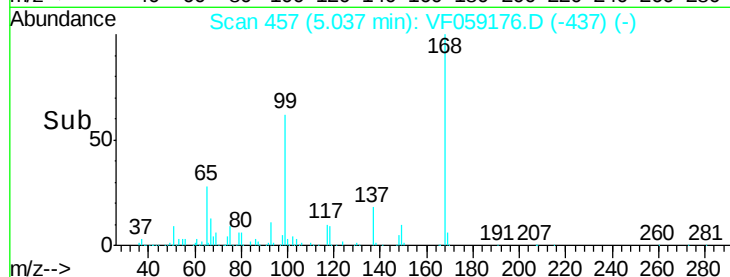
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.960 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.01 min

Lab File: VF059176.D

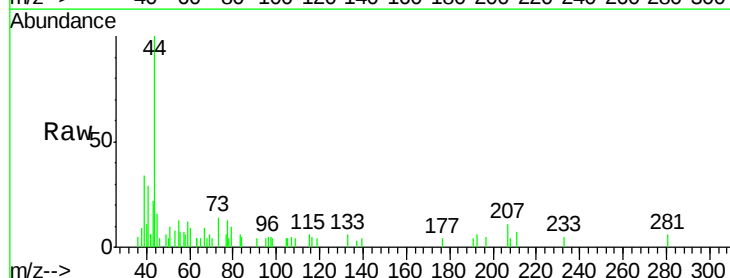
Acq: 18 Jun 2018 15:29

Tgt Ion: 59 Resp: 1345

Ion Ratio Lower Upper

59 100

57 63.7 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.69

400

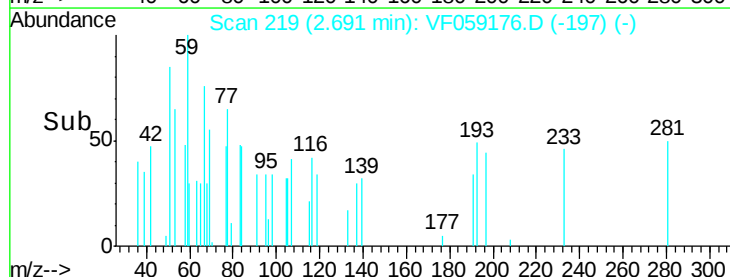
300

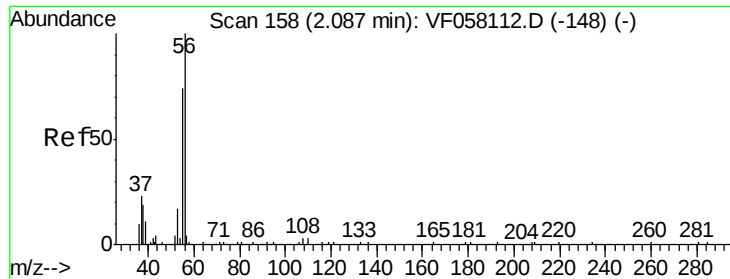
200

100

0

Time-->





#13

Acrolein

Concen: 1.843 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059176.D

Acq: 18 Jun 2018 15:29

Instrument :

MSVOA_F

ClientSampled :

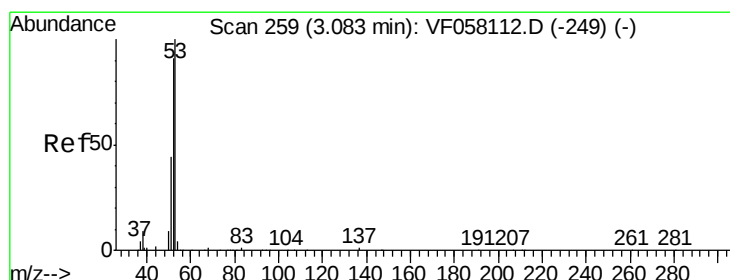
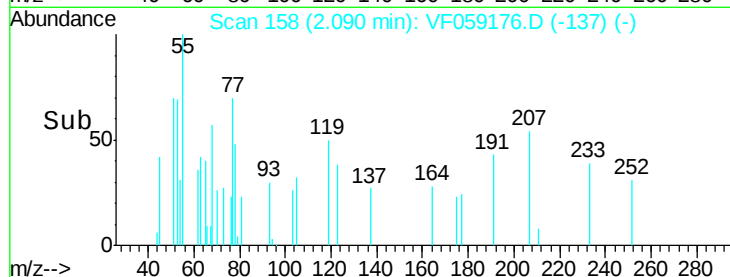
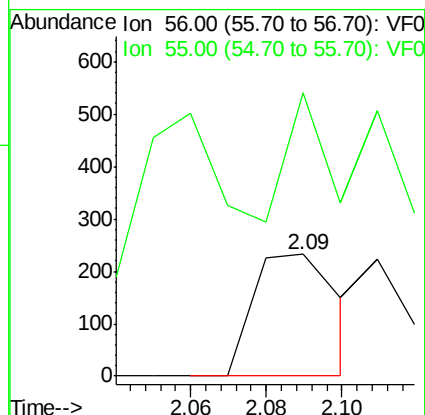
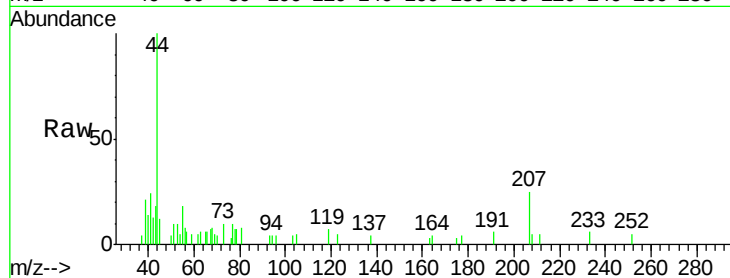
TP-8-S

Tgt Ion: 56 Resp: 360

Ion Ratio Lower Upper

56 100

55 231.8 60.0 90.0#



#15

Acrylonitrile

Concen: 1.325 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059176.D

Acq: 18 Jun 2018 15:29

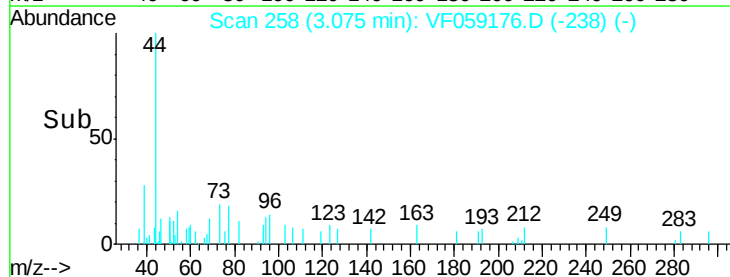
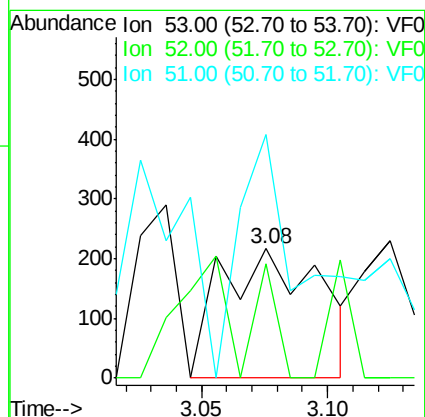
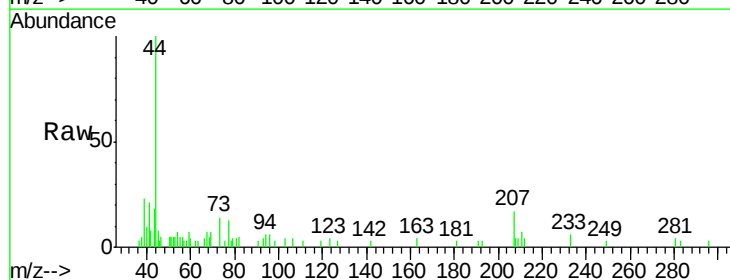
Tgt Ion: 53 Resp: 594

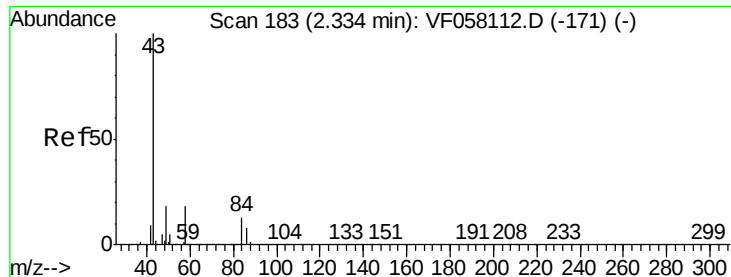
Ion Ratio Lower Upper

53 100

52 88.5 73.2 109.8

51 188.0 35.6 53.4#





#16

Acetone

Concen: 17.816 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059176.D

Acq: 18 Jun 2018 15:29

Instrument :

MSVOA_F

ClientSampleId :

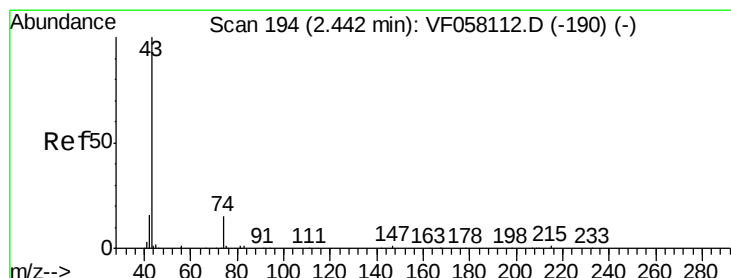
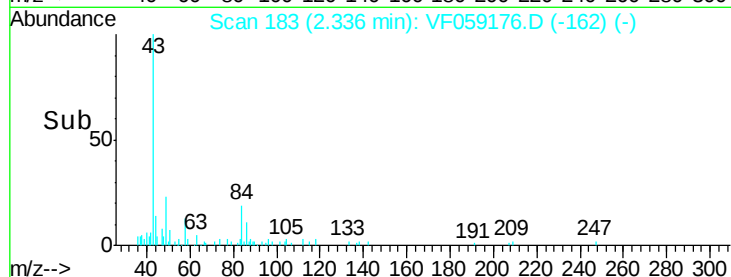
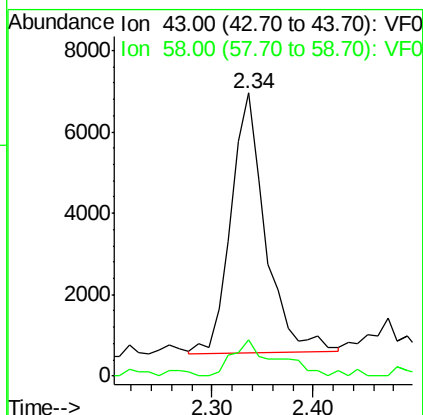
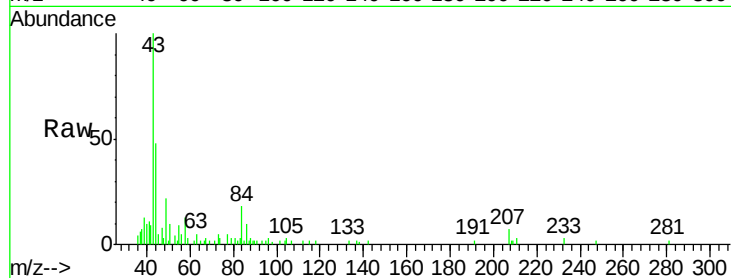
TP-8-S

Tgt Ion: 43 Resp: 14981

Ion Ratio Lower Upper

43 100

58 12.6 14.4 21.6#



#18

Methyl Acetate

Concen: 1.799 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.03 min

Lab File: VF059176.D

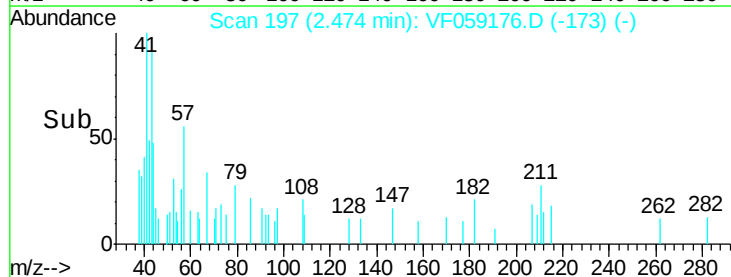
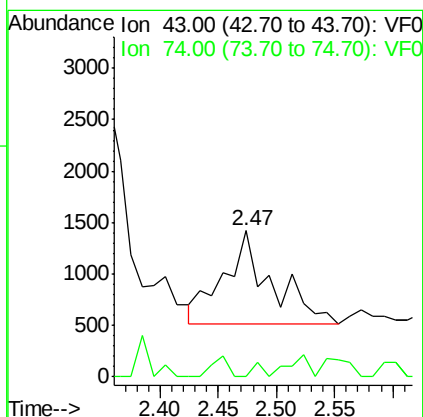
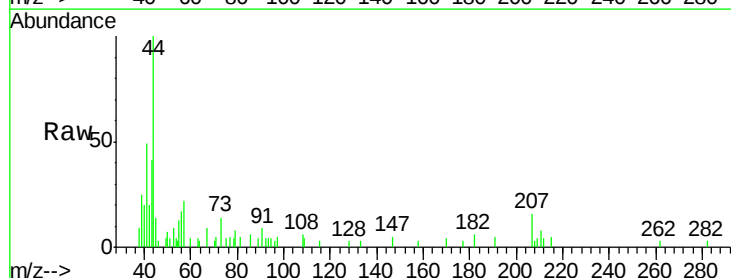
Acq: 18 Jun 2018 15:29

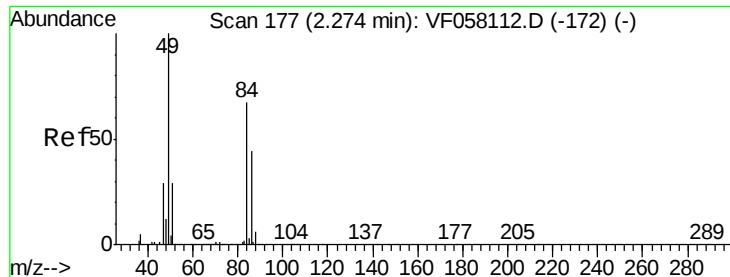
Tgt Ion: 43 Resp: 2601

Ion Ratio Lower Upper

43 100

74 0.0 10.9 16.3#

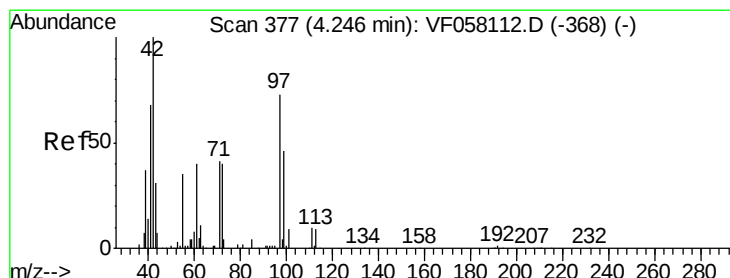
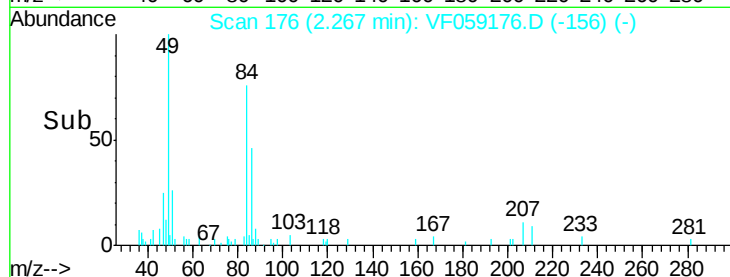
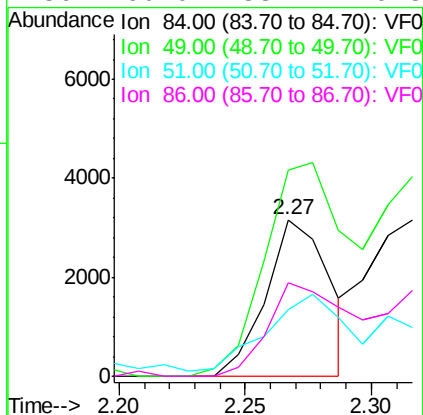
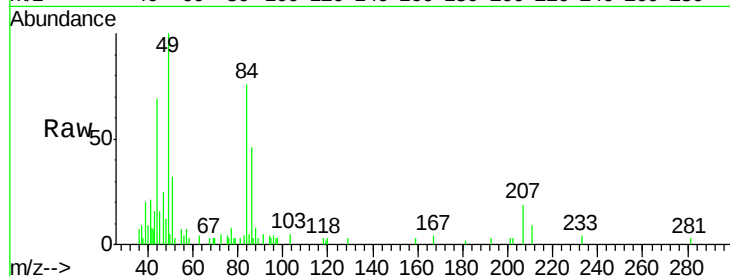




#20
Methylene Chloride
Concen: 2.761 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059176.D
Acq: 18 Jun 2018 15:29

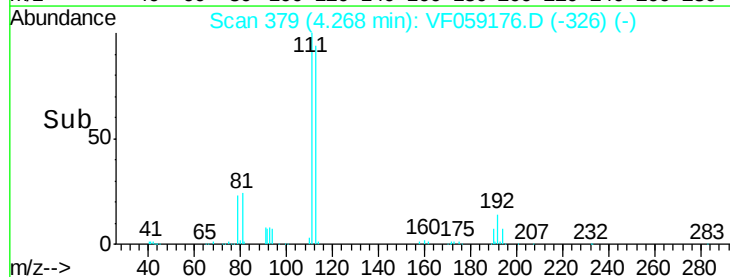
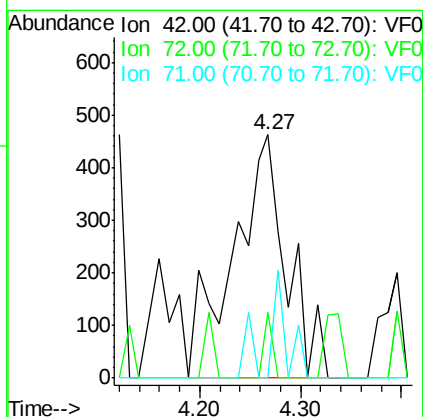
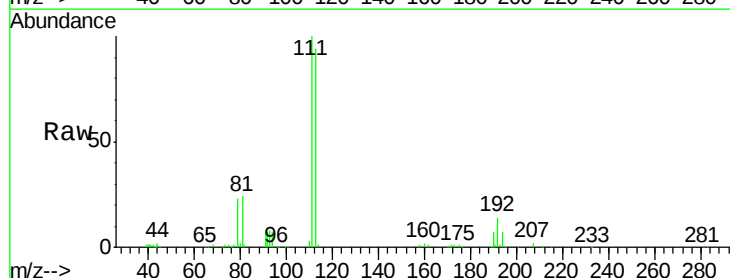
Instrument :
MSVOA_F
ClientSampleId :
TP-8-S

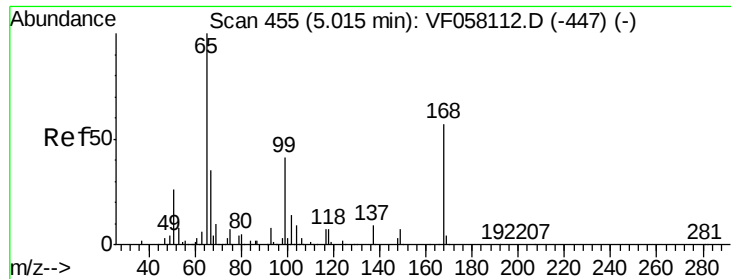
Tgt Ion:	84	Resp:	5559
Ion	Ratio	Lower	Upper
84	100		
49	131.7	121.0	181.4
51	42.5	35.8	53.6
86	60.0	53.2	79.8



#29
Tetrahydrofuran
Concen: 2.963 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.02 min
Lab File: VF059176.D
Acq: 18 Jun 2018 15:29

Tgt Ion:	42	Resp:	1702
Ion	Ratio	Lower	Upper
42	100		
72	4.3	30.5	45.7#
71	10.6	31.5	47.3#





#33

1,2-Dichloroethane-d4

Concen: 53.362 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059176.D

Acq: 18 Jun 2018 15:29

Instrument :

MSVOA_F

ClientSampled :

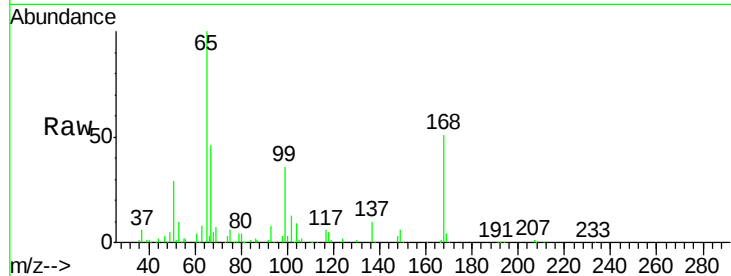
TP-8-S

Tgt Ion: 65 Resp: 187933

Ion Ratio Lower Upper

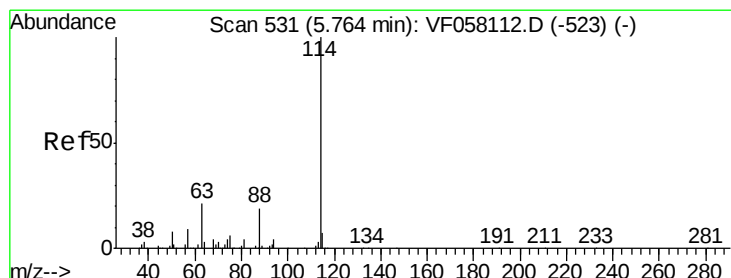
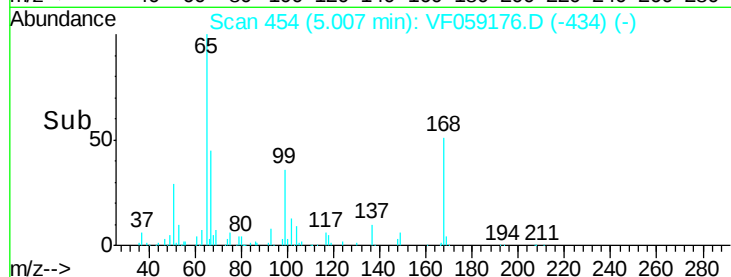
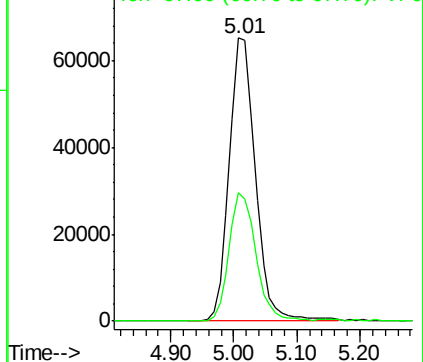
65 100

67 45.6 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059176.D

Acq: 18 Jun 2018 15:29

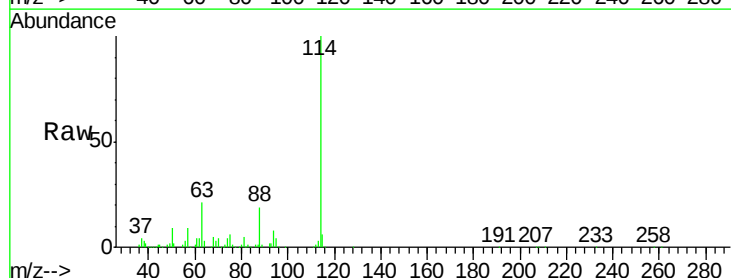
Tgt Ion: 114 Resp: 424413

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.6

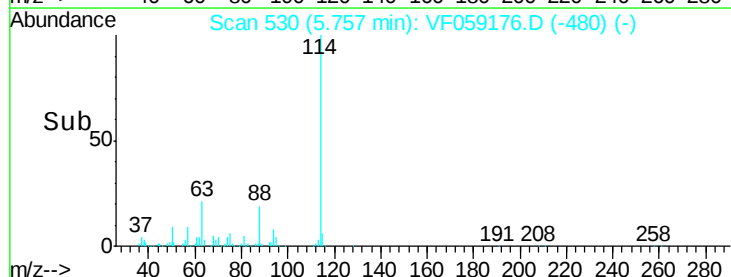
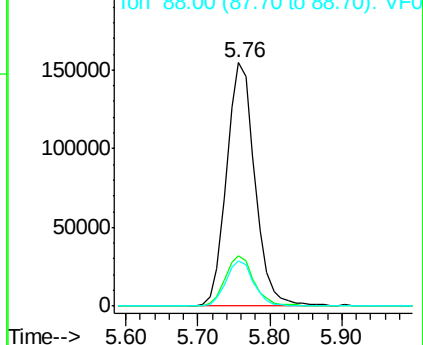
88 18.8 0.0 38.8

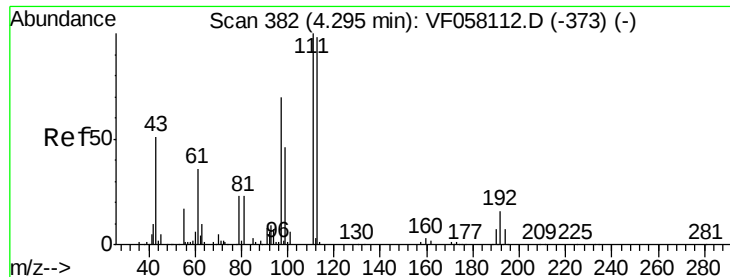


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

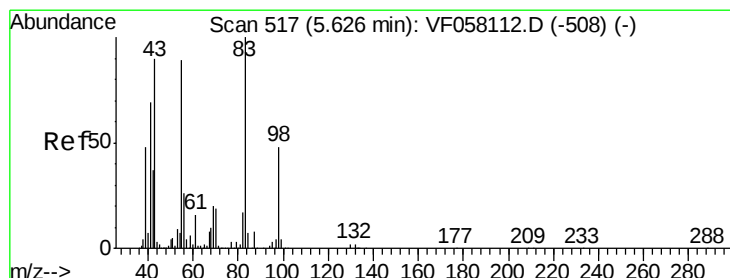
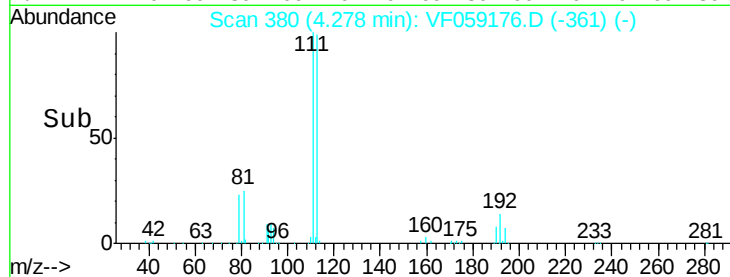
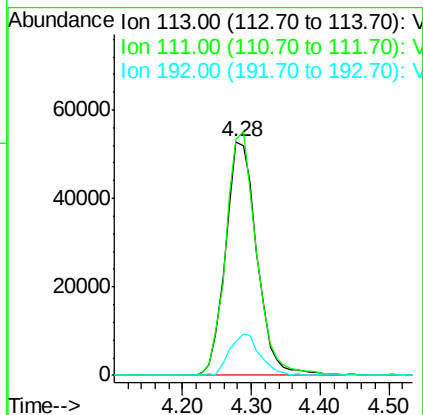
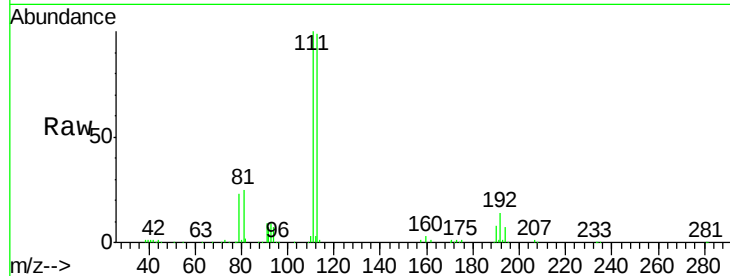




#35
Dibromofluoromethane
Concen: 55.899 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF059176.D
Acq: 18 Jun 2018 15:29

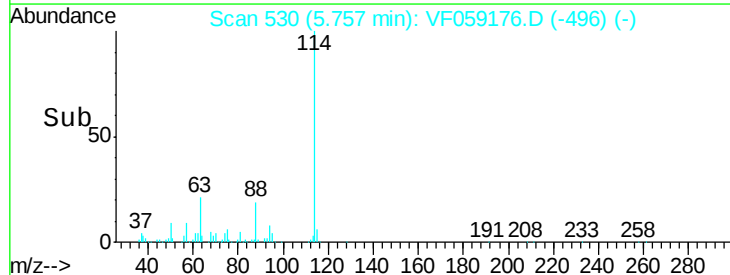
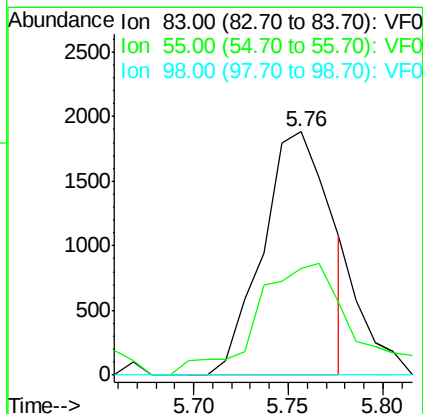
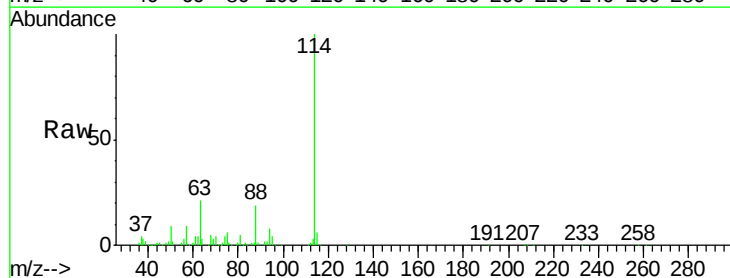
Instrument :
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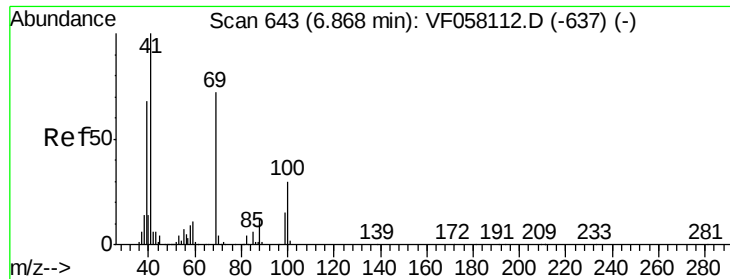
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.3	121.9
192	14.4	12.7	19.1



#39
Methylcyclohexane
Concen: 1.118 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.13 min
Lab File: VF059176.D
Acq: 18 Jun 2018 15:29

Tgt Ion	Ratio	Lower	Upper
83	100		
55	44.0	71.0	106.4#
98	0.0	38.1	57.1#





#49

1,4-Dioxane

Concen: 16.822 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF059176.D

Acq: 18 Jun 2018 15:29

Instrument :

MSVOA_F

ClientSampleId :

TP-8-S

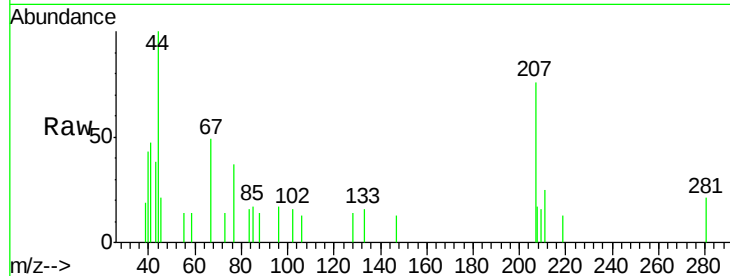
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 273.4 47.8 71.8#

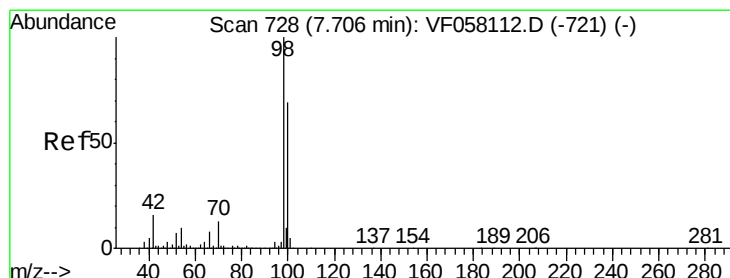
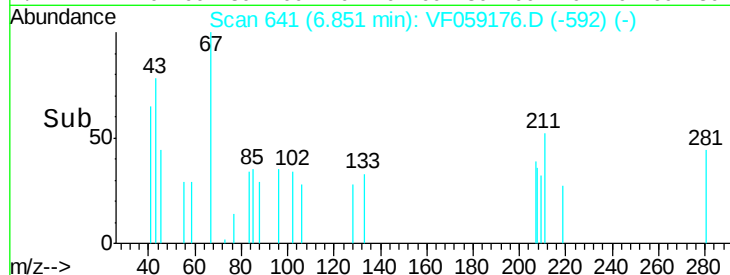
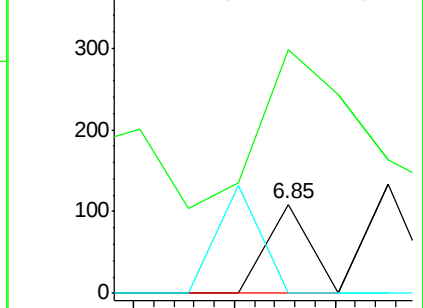
58 0.0 59.4 89.0#



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: 48.917 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059176.D

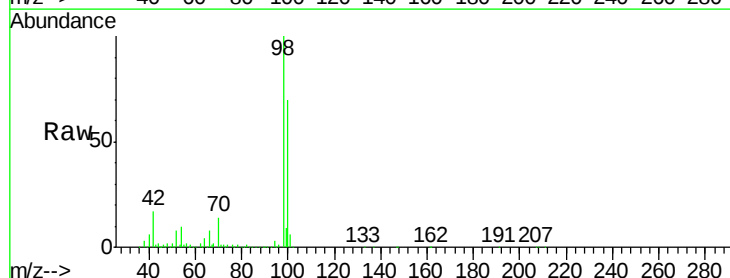
Acq: 18 Jun 2018 15:29

Tgt Ion: 98 Resp: 427961

Ion Ratio Lower Upper

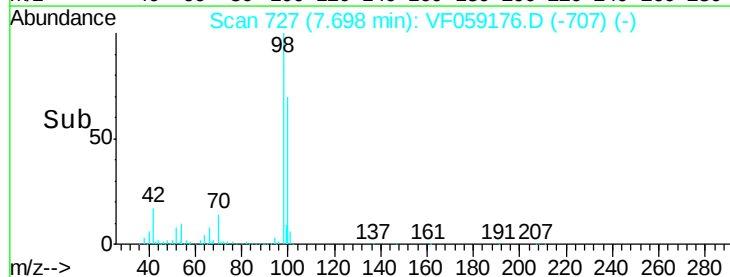
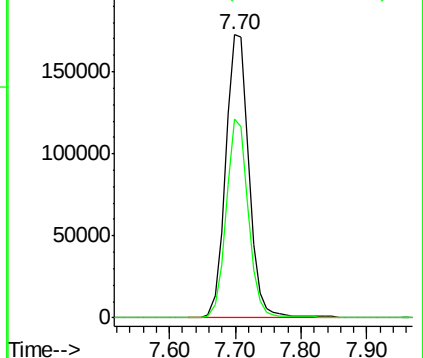
98 100

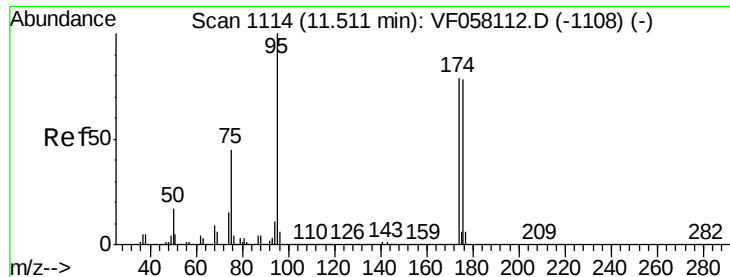
100 70.2 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 48.275 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059176.D

Acq: 18 Jun 2018 15:29

Instrument :

MSVOA_F

ClientSampleId :

TP-8-S

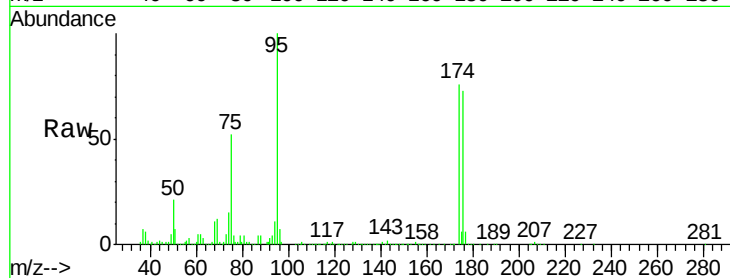
Tgt Ion: 95 Resp: 216624

Ion Ratio Lower Upper

95 100

174 76.1 0.0 157.8

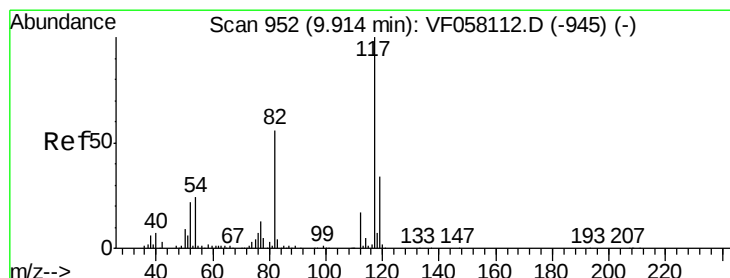
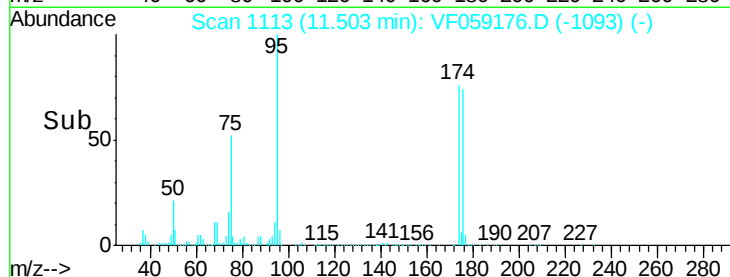
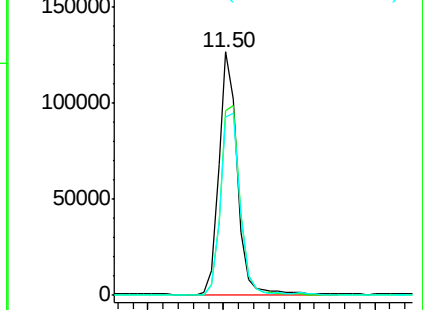
176 73.4 0.0 155.8



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: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059176.D

Acq: 18 Jun 2018 15:29

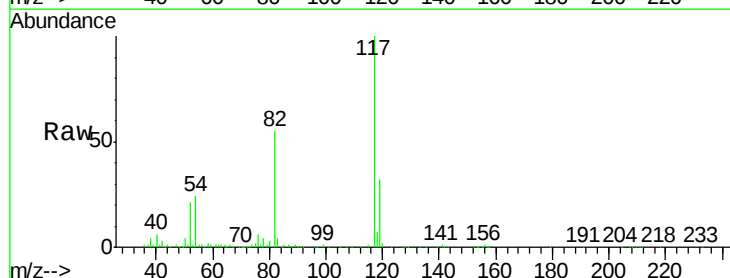
Tgt Ion: 117 Resp: 403387

Ion Ratio Lower Upper

117 100

82 55.4 45.2 67.8

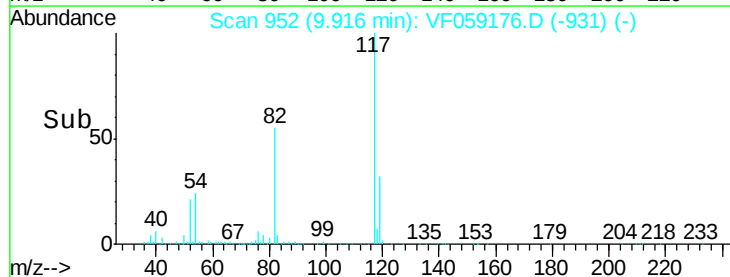
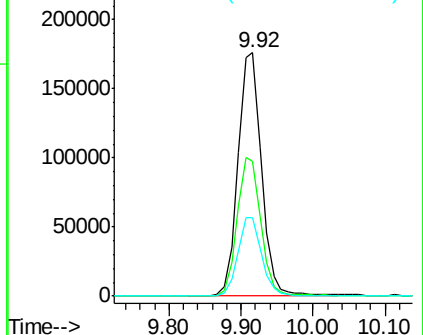
119 32.5 27.5 41.3

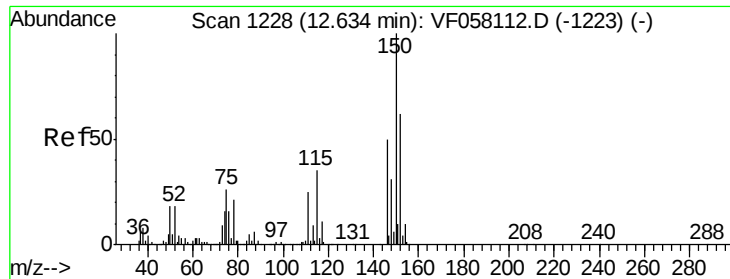


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059176.D

Acq: 18 Jun 2018 15:29

Instrument :

MSVOA_F

ClientSampleId :

TP-8-S

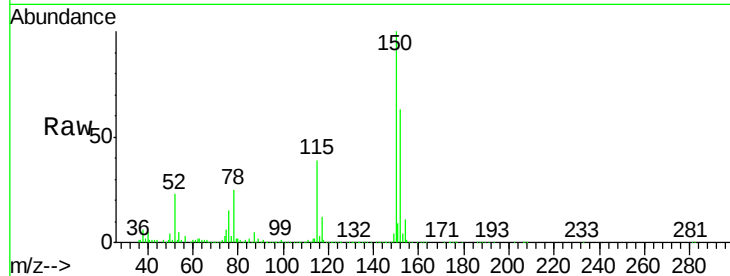
Tgt Ion:152 Resp: 243931

Ion Ratio Lower Upper

152 100

115 62.7 28.5 85.5

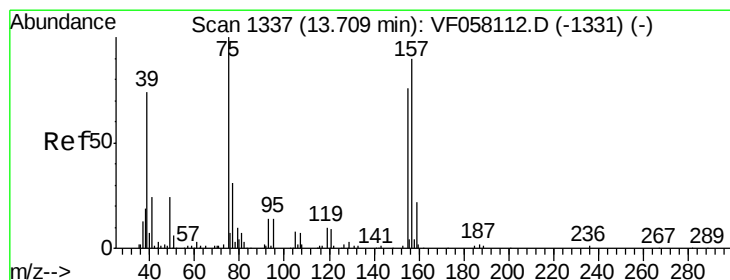
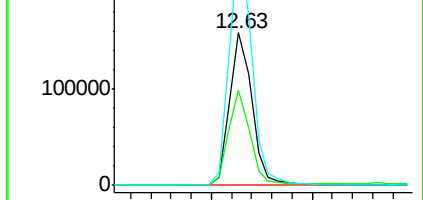
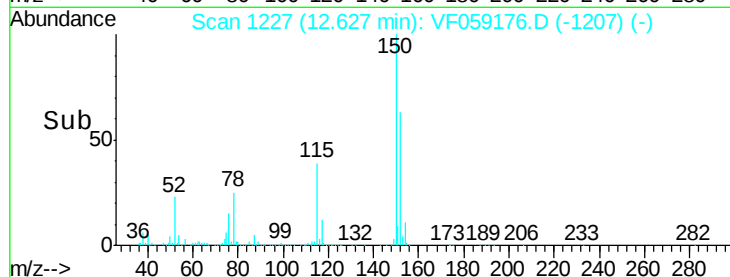
150 159.6 0.0 323.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.759 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VF059176.D

Acq: 18 Jun 2018 15:29

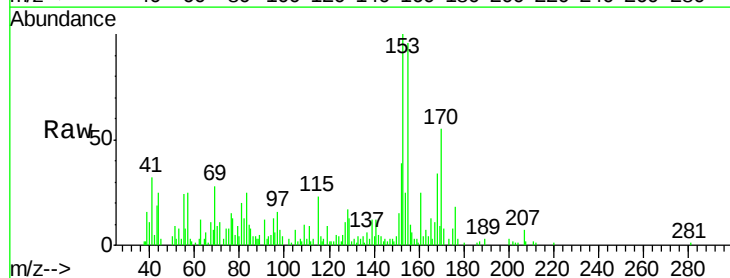
Tgt Ion: 75 Resp: 2167

Ion Ratio Lower Upper

75 100

155 1181.6 38.0 114.0#

157 78.6 45.1 135.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

