

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
 Data File : VF059184.D
 Acq On : 18 Jun 2018 19:11
 Operator : VA/AP
 Sample : J3554-09
 Misc : 6.43g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A-8(3.0)

Quant Time: Jun 19 02:57:39 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	229232	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	346510	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	335136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	212847	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	147037	52.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.78%	
35) Dibromofluoromethane	4.28	113	134647	55.38	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.76%	
50) Toluene-d8	7.71	98	320162	44.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.64%	
62) 4-Bromofluorobenzene	11.51	95	182219	49.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.48%	

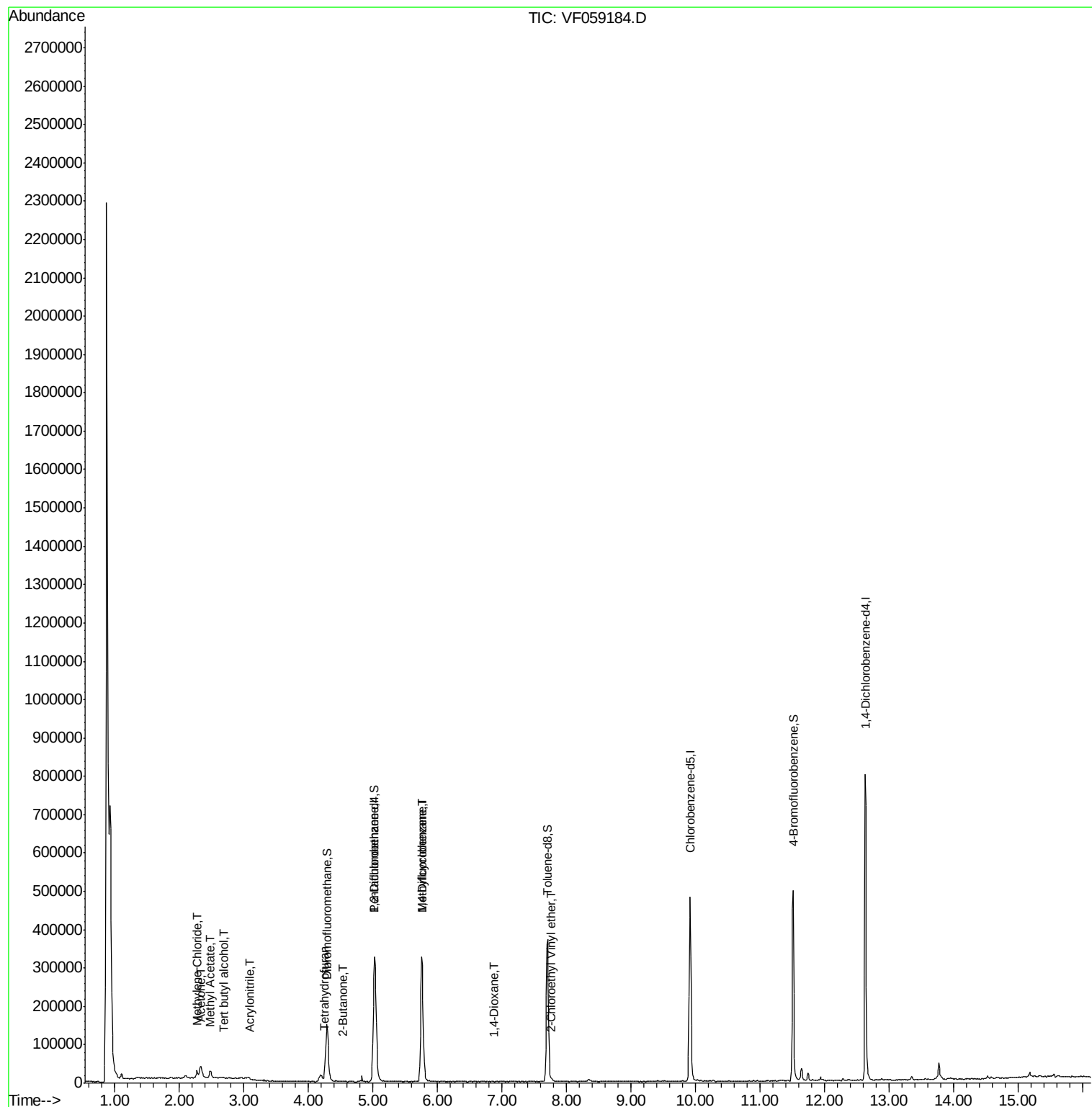
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	1467	8.236	ug/l #	43
15) Acrylonitrile	3.08	53	502	1.419	ug/l #	33
16) Acetone	2.34	43	44790	67.477	ug/l #	84
18) Methyl Acetate	2.48	43	8401	7.362	ug/l #	66
20) Methylene Chloride	2.27	84	6261	3.939	ug/l	91
25) 2-Butanone	4.52	43	2038	1.980	ug/l #	56
29) Tetrahydrofuran	4.24	42	831	1.833	ug/l #	74
39) Methylcyclohexane	5.75	83	3861	1.128	ug/l #	35
49) 1,4-Dioxane	6.88	88	67	17.868	ug/l #	16
58) 2-Chloroethyl Vinyl ether	7.76	63	268	1.461	ug/l	100
89) n-Butylbenzene	12.92	91	964	Below Cal	#	28

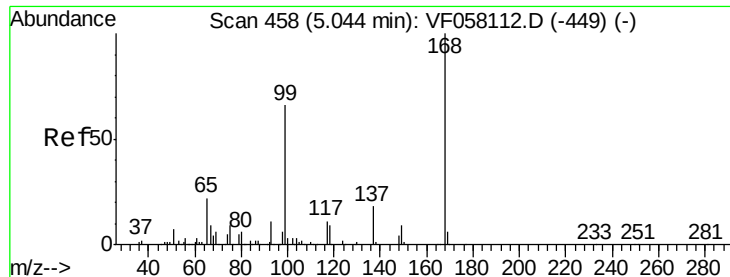
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
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Quant Title : SW846 8260
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: VF059184.D

Acq: 18 Jun 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

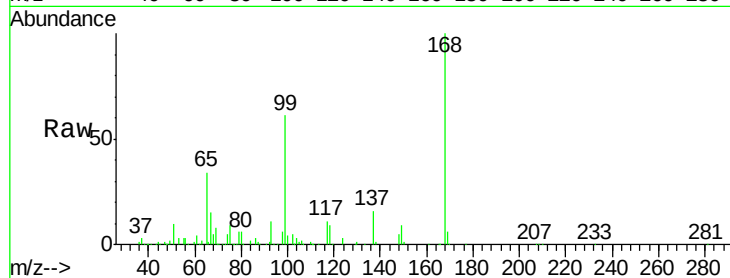
A-8(3.0)

Tgt Ion:168 Resp: 229232

Ion Ratio Lower Upper

168 100

99 61.0 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

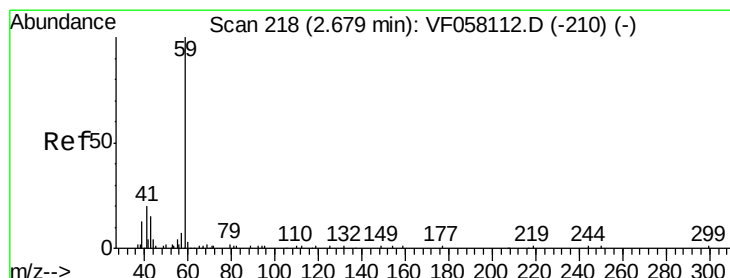
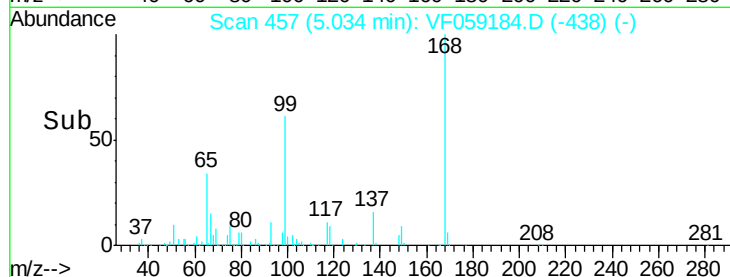
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 8.236 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.02 min

Lab File: VF059184.D

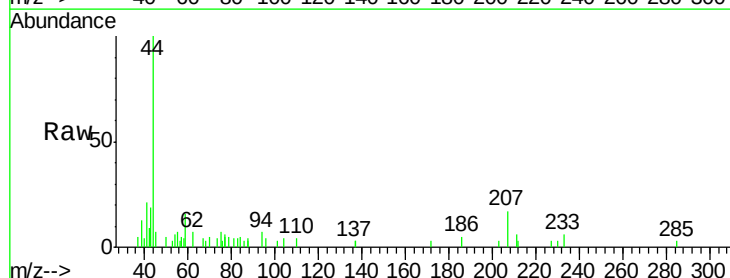
Acq: 18 Jun 2018 19:11

Tgt Ion: 59 Resp: 1467

Ion Ratio Lower Upper

59 100

57 32.5 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.70

600

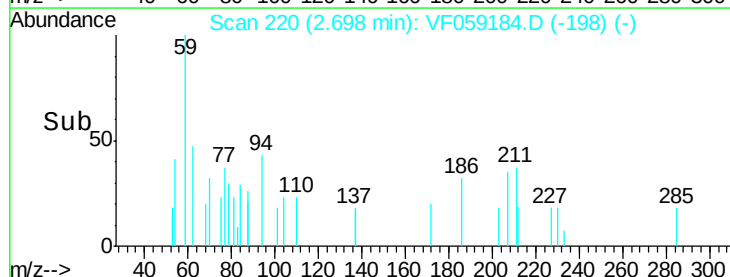
400

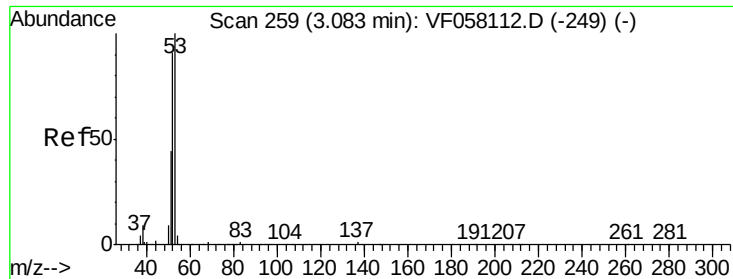
200

0

Time-->

2.60 2.65 2.70 2.75





#15

Acrylonitrile

Concen: 1.419 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

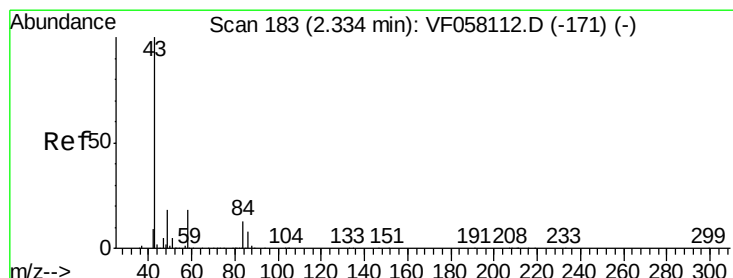
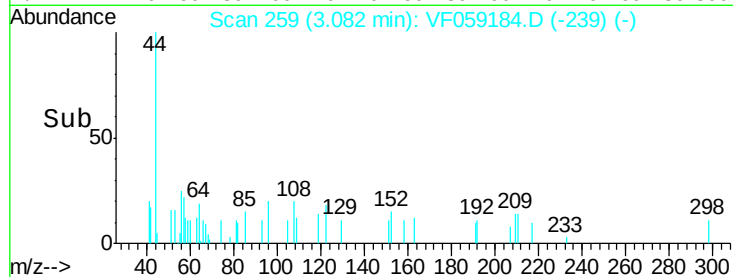
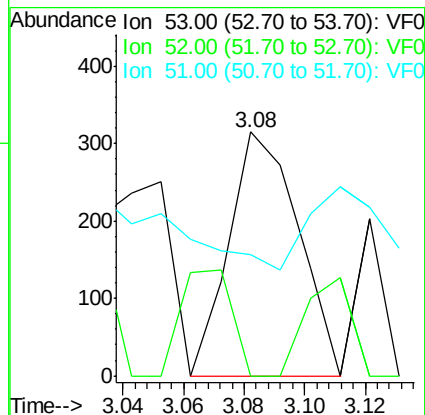
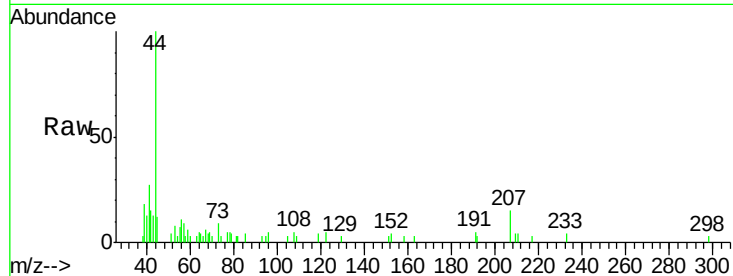
Instrument :

MSVOA_F

ClientSampled :

A-8(3.0)

Tgt Ion:	53	Resp:	502
Ion	Ratio	Lower	Upper
53	100		
52	0.0	73.2	109.8#
51	49.8	35.6	53.4



#16

Acetone

Concen: 67.477 ug/l

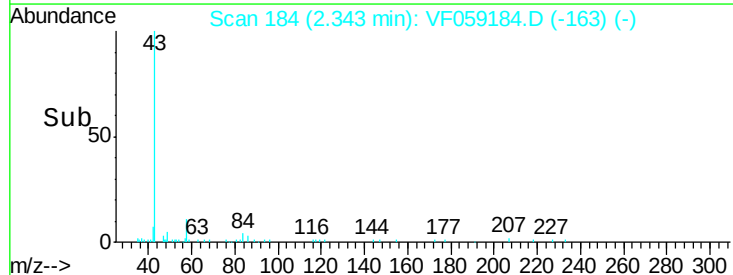
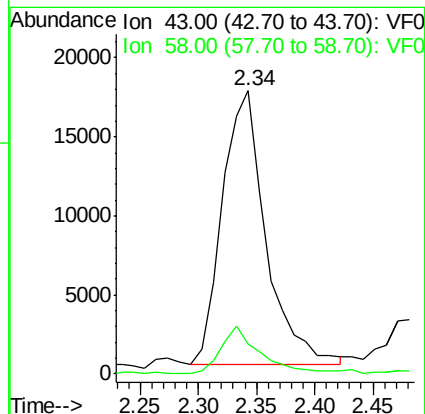
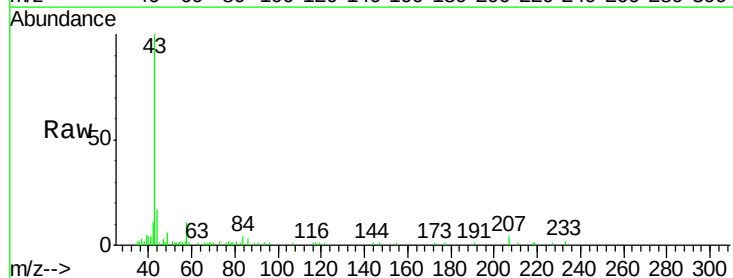
RT: 2.34 min Scan# 184

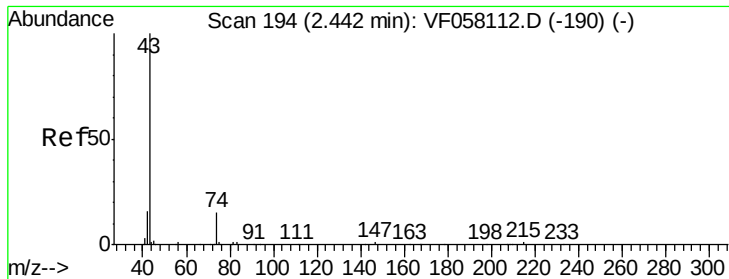
Delta R.T. 0.01 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

Tgt Ion:	43	Resp:	44790
Ion	Ratio	Lower	Upper
43	100		
58	10.8	14.4	21.6#

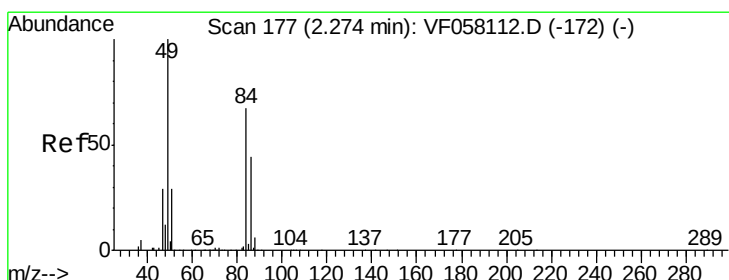
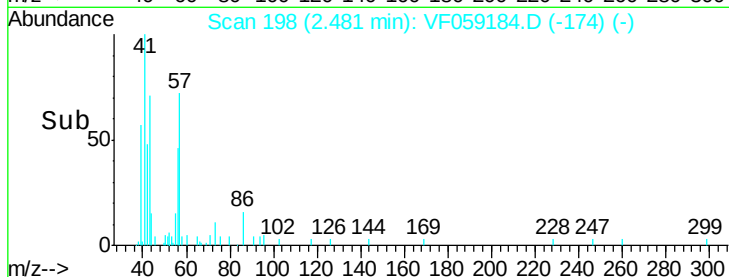
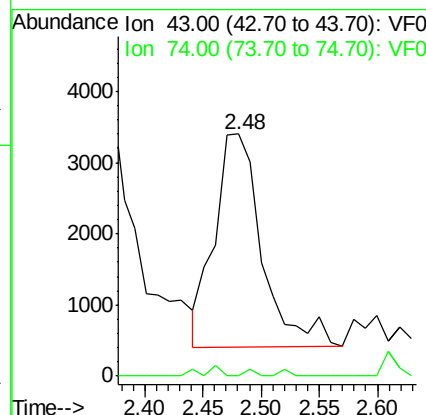
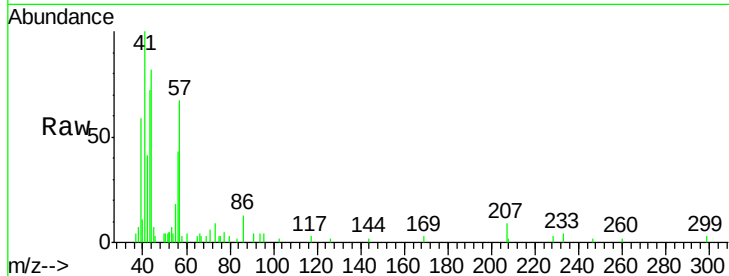




#18
Methyl Acetate
Concen: 7.362 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059184.D
Acq: 18 Jun 2018 19:11

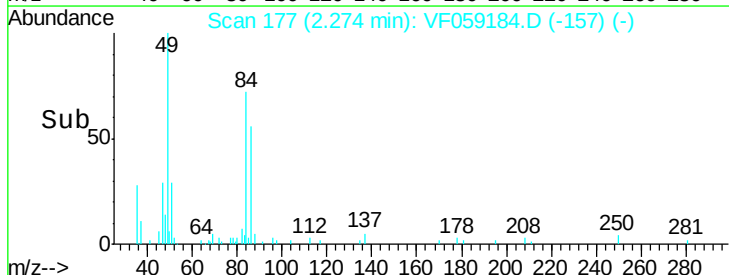
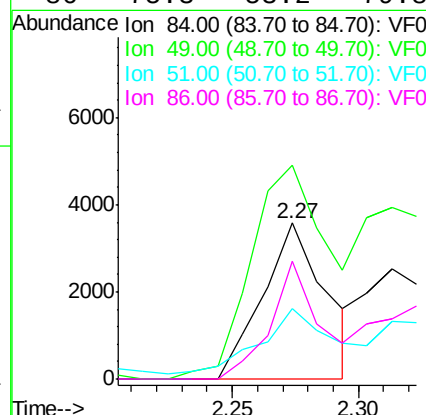
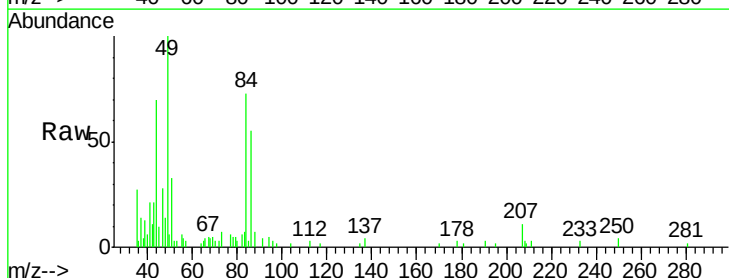
Instrument :
MSVOA_F
ClientSampleId :
A-8(3.0)

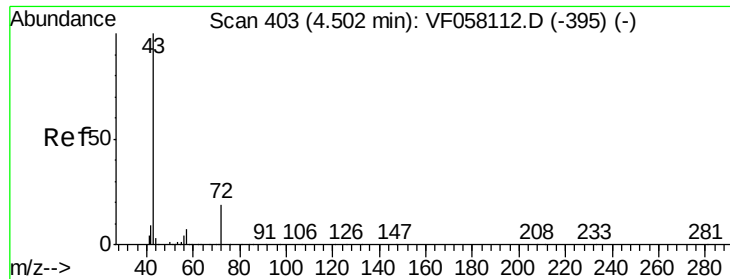
Tgt Ion: 43 Resp: 8401
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#



#20
Methylene Chloride
Concen: 3.939 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059184.D
Acq: 18 Jun 2018 19:11

Tgt Ion: 84 Resp: 6261
Ion Ratio Lower Upper
84 100
49 136.9 121.0 181.4
51 45.0 35.8 53.6
86 75.3 53.2 79.8

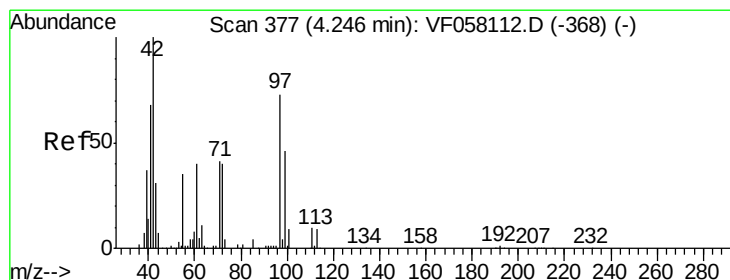
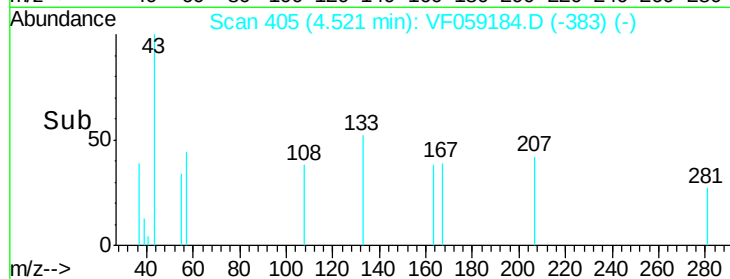
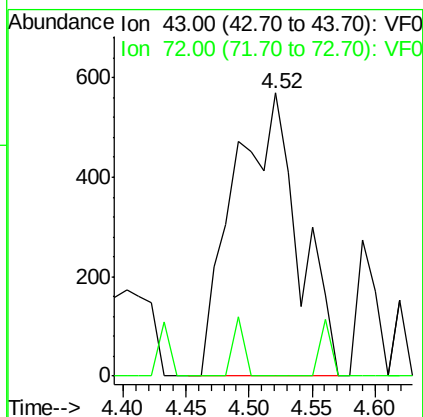
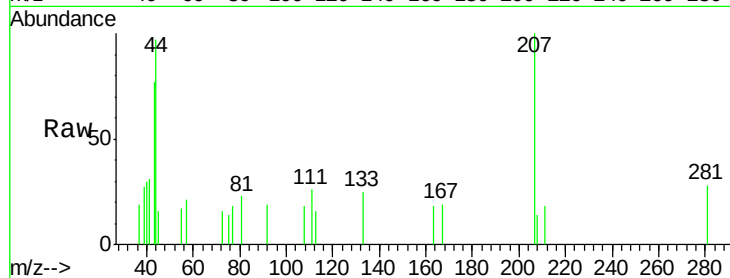




#25
2-Butanone
Concen: 1.980 ug/l
RT: 4.52 min Scan# 405
Delta R.T. 0.02 min
Lab File: VF059184.D
Acq: 18 Jun 2018 19:11

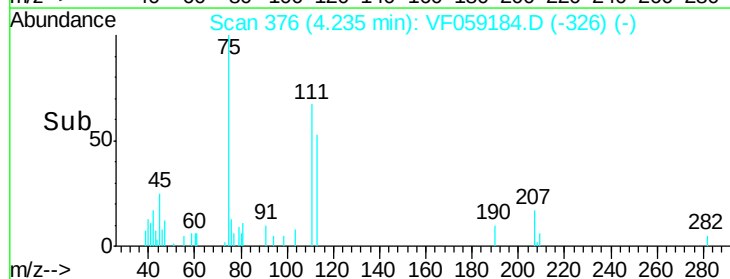
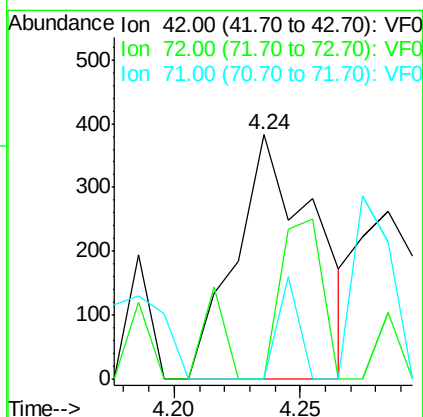
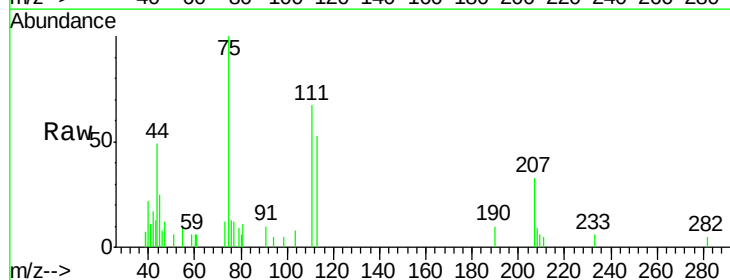
Instrument :
MSVOA_F
ClientSampled :
A-8(3.0)

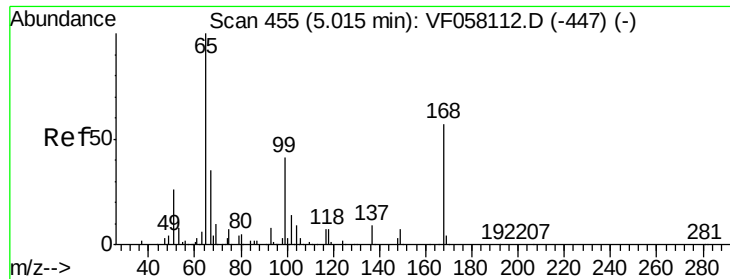
Tgt Ion: 43 Resp: 2038
Ion Ratio Lower Upper
43 100
72 0.0 16.1 24.1#



#29
Tetrahydrofuran
Concen: 1.833 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059184.D
Acq: 18 Jun 2018 19:11

Tgt Ion: 42 Resp: 831
Ion Ratio Lower Upper
42 100
72 34.4 30.5 45.7
71 11.4 31.5 47.3#

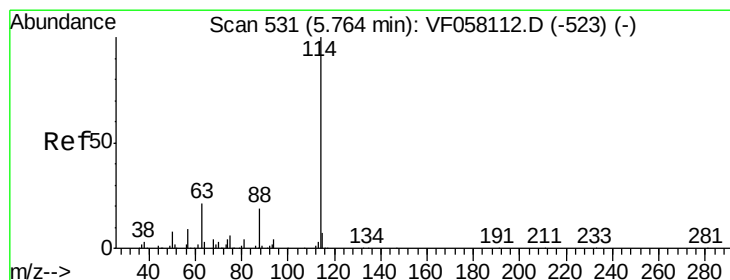
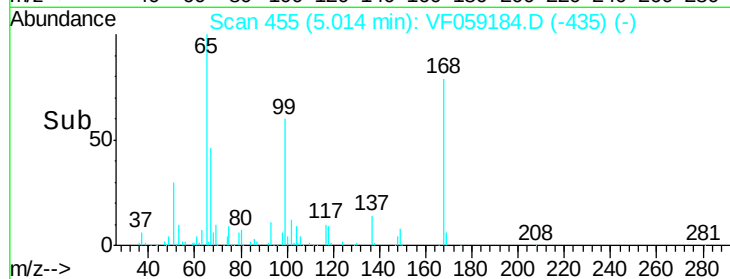
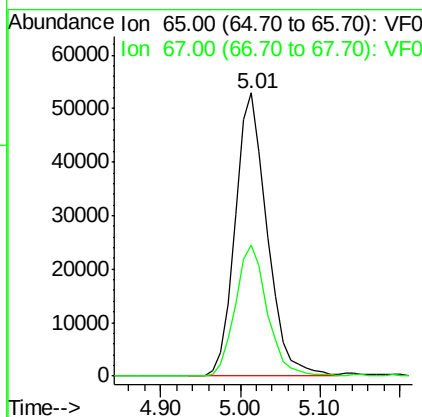
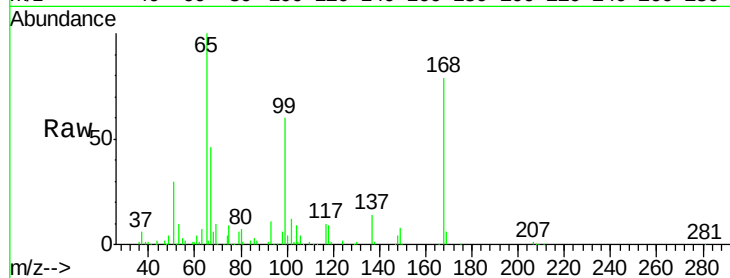




#33
 1,2-Dichloroethane-d4
 Concen: 52.889 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059184.D
 Acq: 18 Jun 2018 19:11

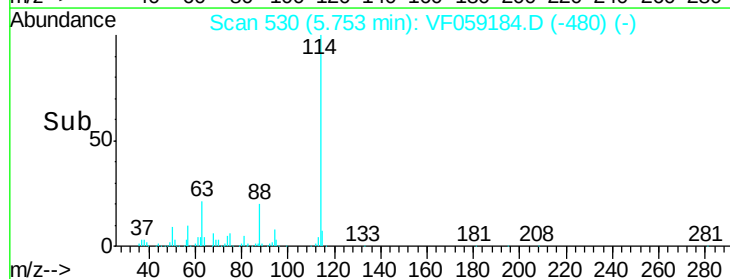
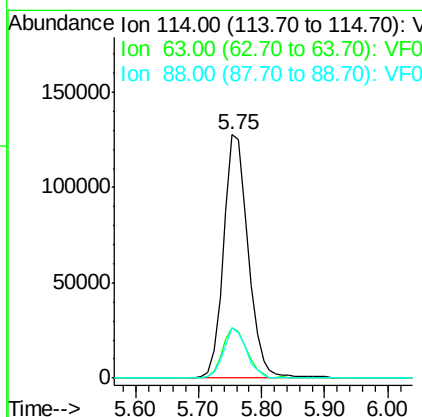
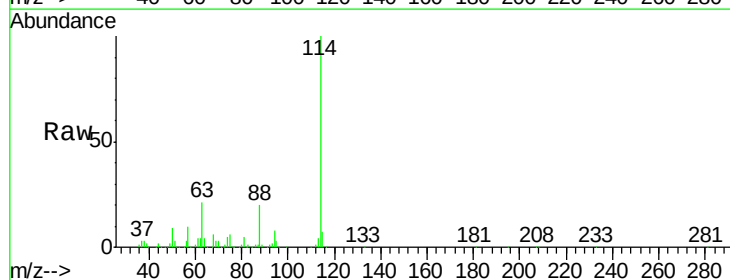
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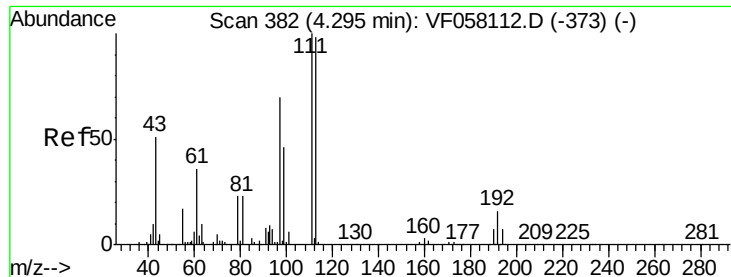
Tgt Ion: 65 Resp: 147037
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059184.D
 Acq: 18 Jun 2018 19:11

Tgt Ion: 114 Resp: 346510
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.6
 88 20.5 0.0 38.8

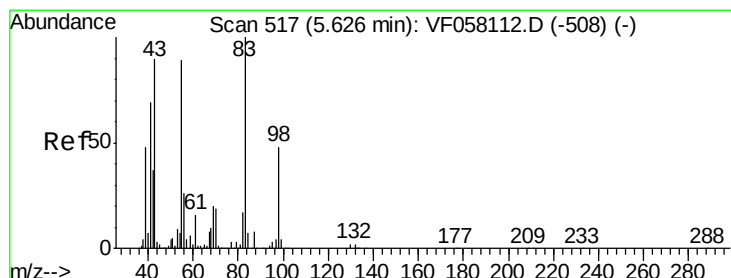
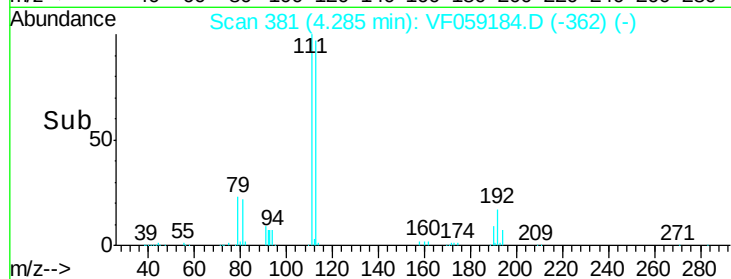
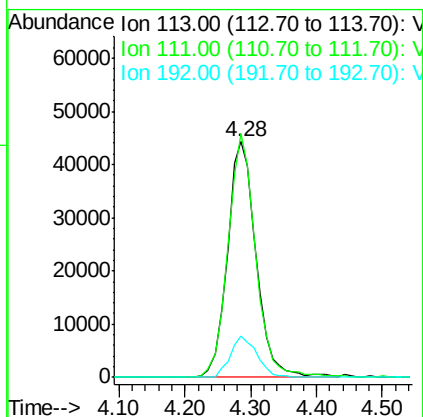
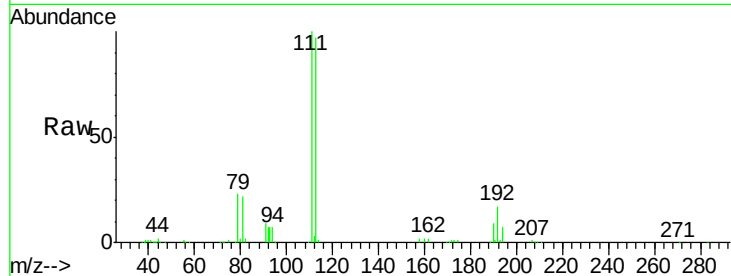




#35
 Dibromofluoromethane
 Concen: 55.379 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059184.D
 Acq: 18 Jun 2018 19:11

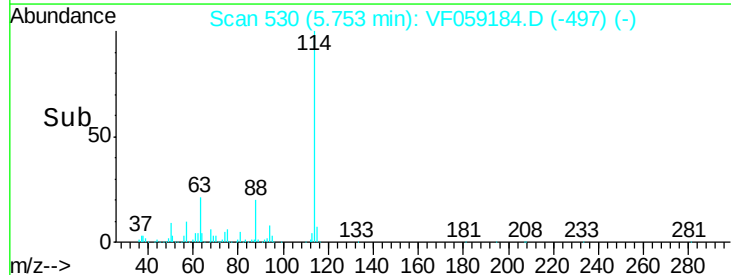
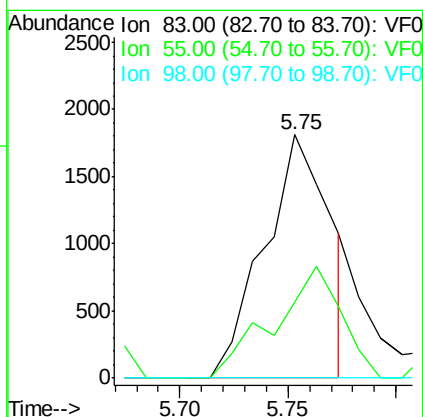
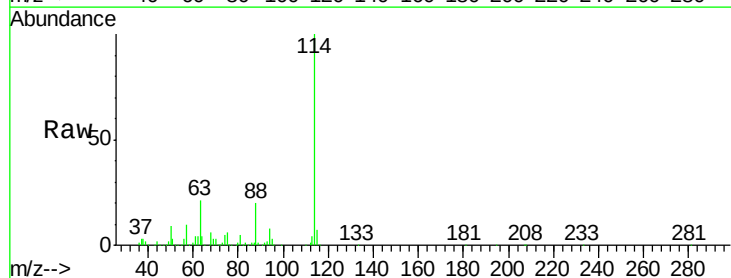
Instrument :
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 ClientSampleId :
 A-8(3.0)

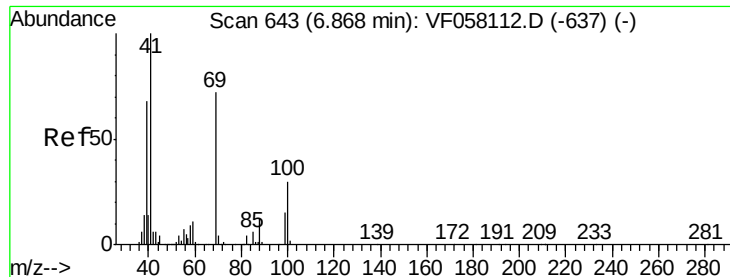
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.3	121.9
192	17.8	12.7	19.1



#39
 Methylcyclohexane
 Concen: 1.128 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.13 min
 Lab File: VF059184.D
 Acq: 18 Jun 2018 19:11

Tgt Ion	Ratio	Lower	Upper
83	100		
55	31.4	71.0	106.4#
98	0.0	38.1	57.1#





#49

1,4-Dioxane

Concen: 17.868 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

A-8(3.0)

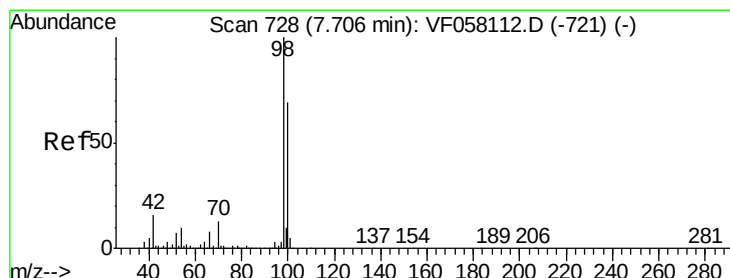
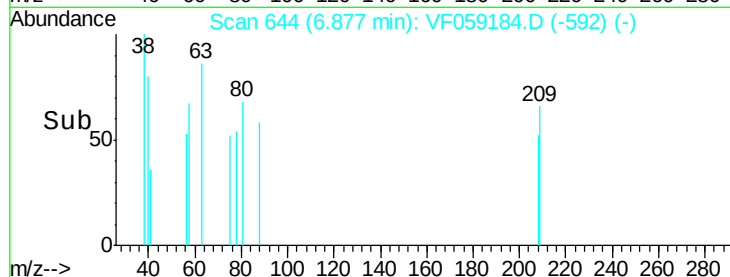
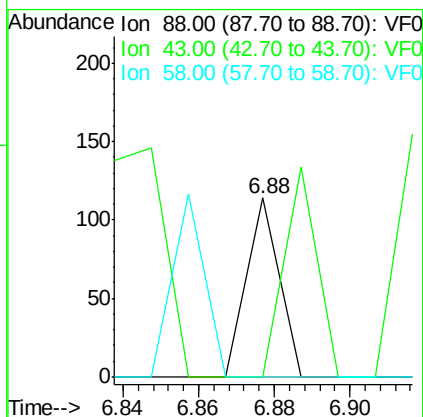
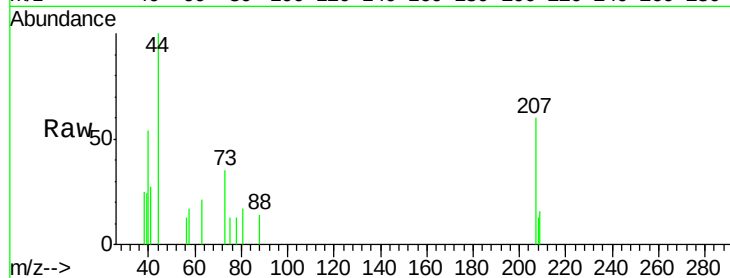
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 0.0 47.8 71.8#

58 0.0 59.4 89.0#



#50

Toluene-d8

Concen: 44.823 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059184.D

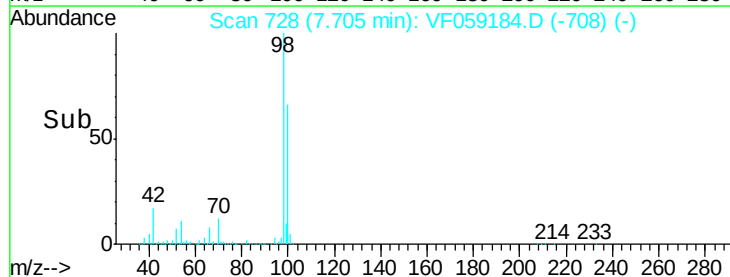
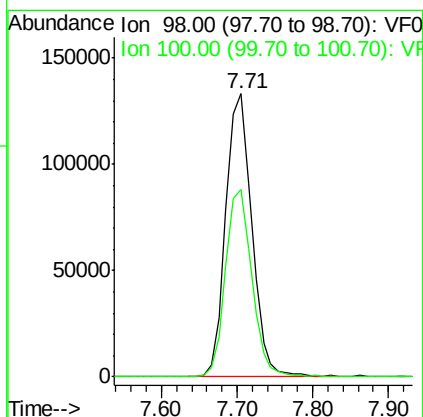
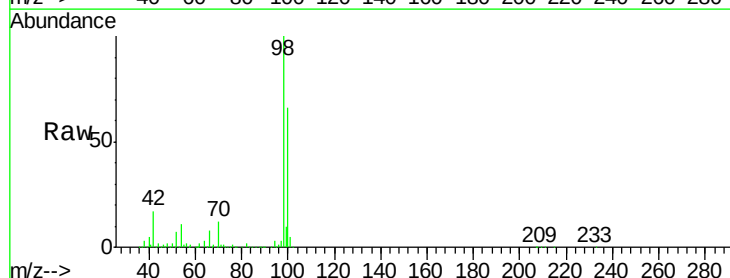
Acq: 18 Jun 2018 19:11

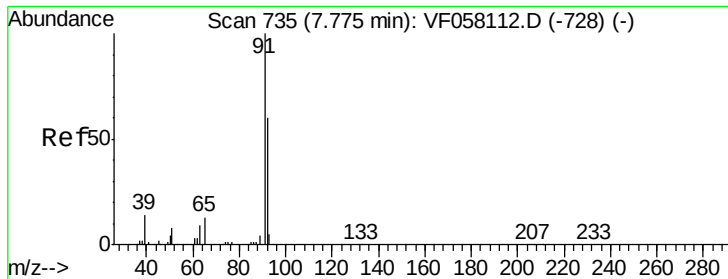
Tgt Ion: 98 Resp: 320162

Ion Ratio Lower Upper

98 100

100 66.2 55.6 83.4





#58

2-Chloroethyl Vinyl ether

Concen: 1.461 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

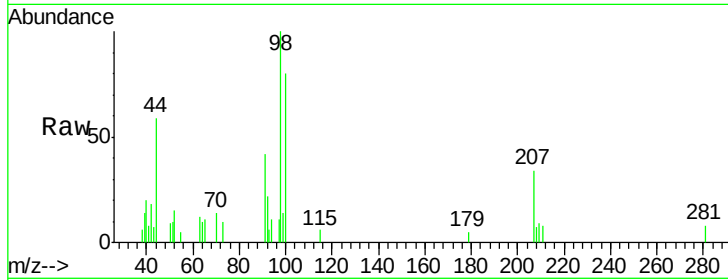
A-8(3.0)

Tgt Ion: 63 Resp: 268

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

400

300

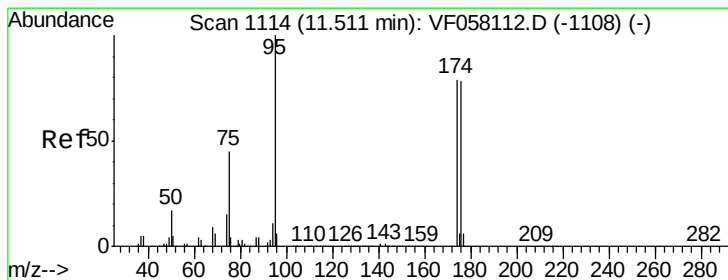
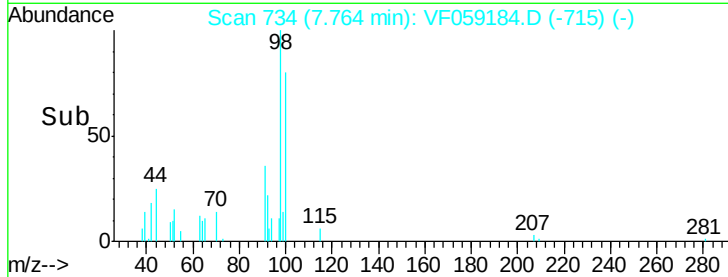
200

100

0

7.72 7.74 7.76 7.78 7.80

Time-->



#62

4-Bromofluorobenzene

Concen: 49.738 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

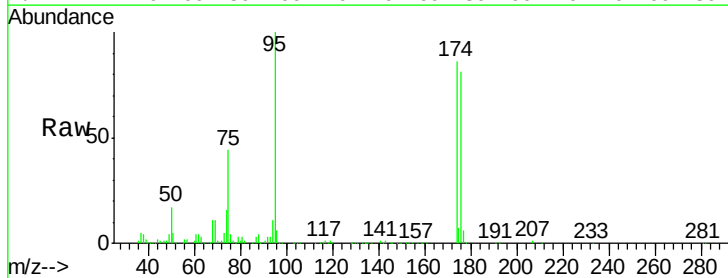
Tgt Ion: 95 Resp: 182219

Ion Ratio Lower Upper

95 100

174 86.5 0.0 157.8

176 81.2 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

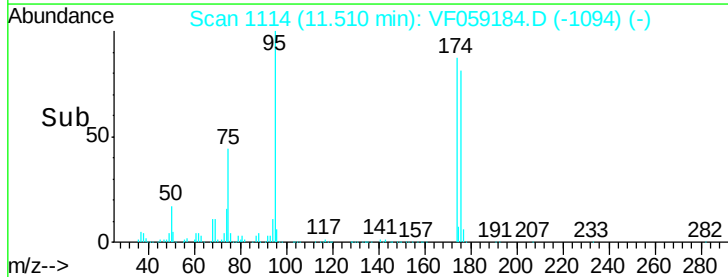
100000

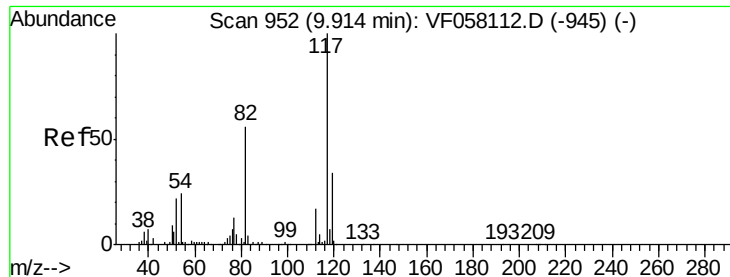
50000

0

11.40 11.50 11.60 11.70

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

A-8(3.0)

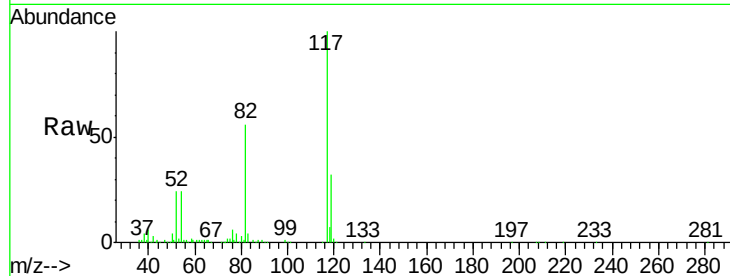
Tgt Ion:117 Resp: 335136

Ion Ratio Lower Upper

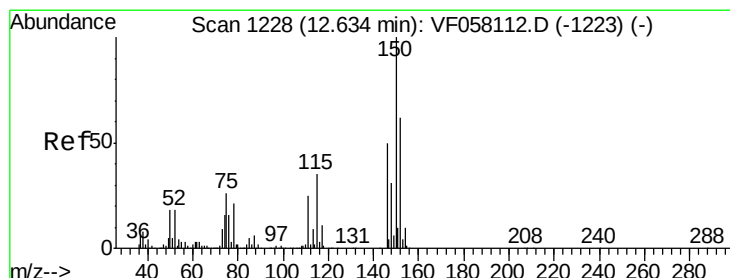
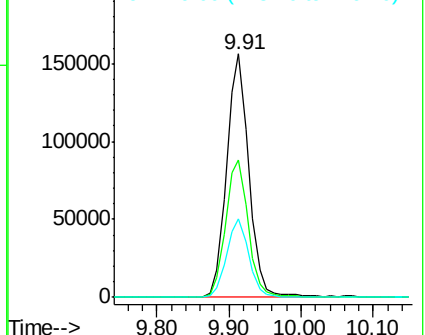
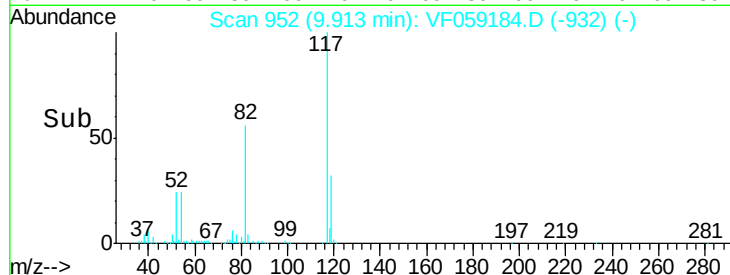
117 100

82 56.3 45.2 67.8

119 32.0 27.5 41.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059184.D

Acq: 18 Jun 2018 19:11

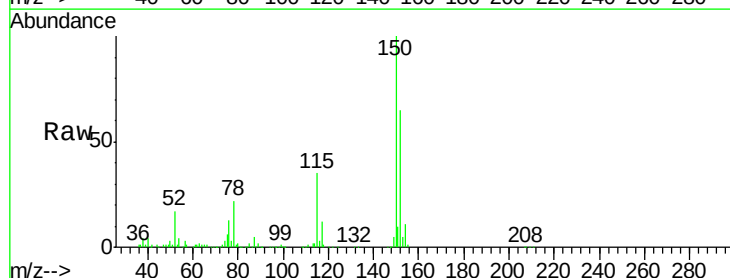
Tgt Ion:152 Resp: 212847

Ion Ratio Lower Upper

152 100

115 54.1 28.5 85.5

150 153.0 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

