

Data File : VF059994.D
Acq On : 18 Aug 2018 1:51
Operator : VA/AP
Sample : J4511-03
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RA-081418-ESW-15NSC-025

Quant Time: Aug 18 02:23:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	142494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	155761	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	133874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	65508	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	123474	44.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.78%	
35) Dibromofluoromethane	4.30	113	109570	68.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	137.66%	
50) Toluene-d8	7.72	98	148752	42.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.04%	
62) 4-Bromofluorobenzene	11.52	95	69757	32.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.22%	

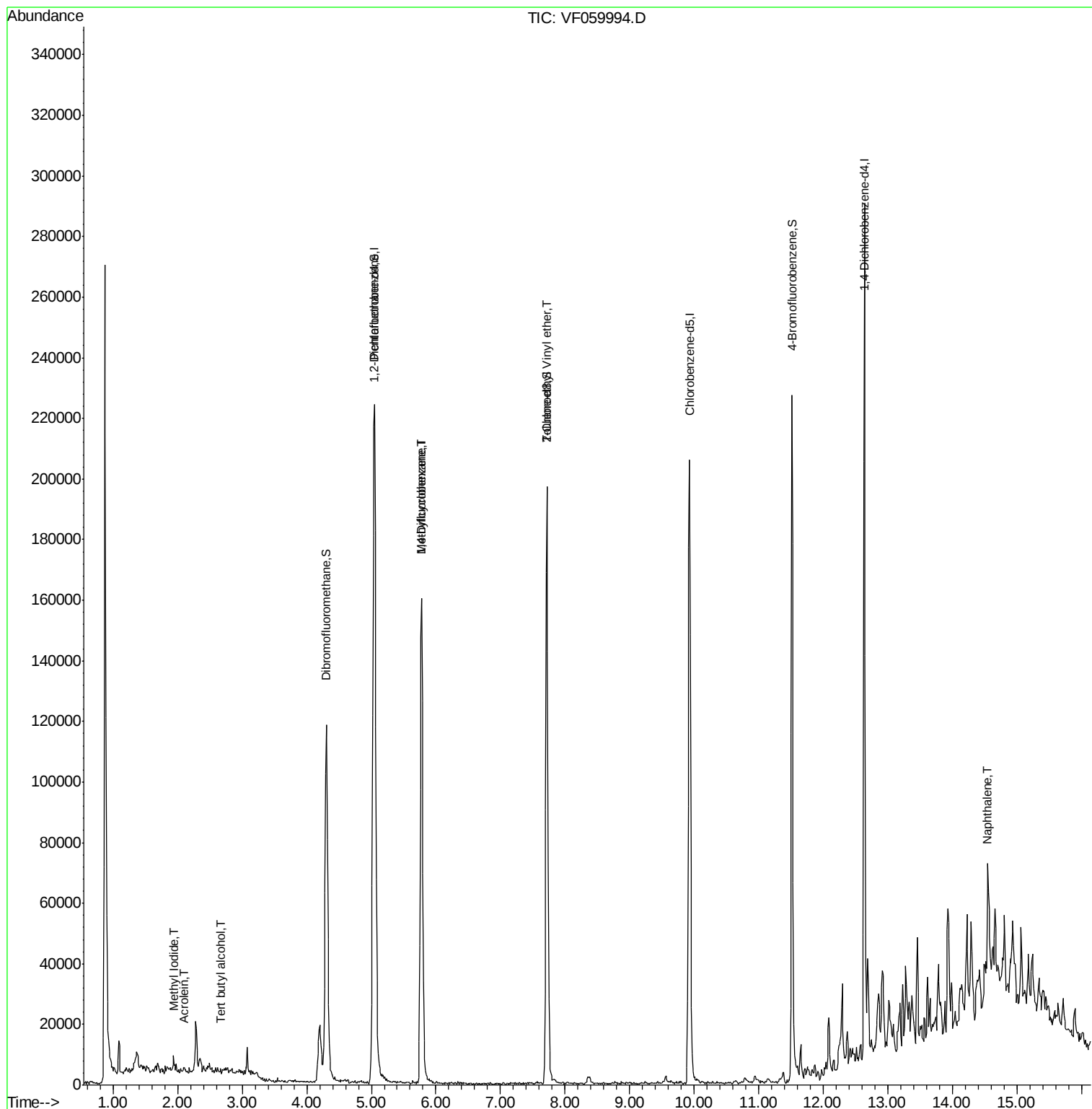
Target Compounds			Qvalue			
3) Chloromethane	1.09	50	1566	Below Cal	#	77
10) Methyl Iodide	1.93	142	2844	1.161	ug/l #	81
11) Tert butyl alcohol	2.67	59	172	1.073	ug/l #	1
13) Acrolein	2.09	56	70	13.351	ug/l #	66
16) Acetone	2.34	43	3941	Below Cal		98
18) Methyl Acetate	2.46	43	972	Below Cal	#	63
39) Methylcyclohexane	5.78	83	2763	2.076	ug/l #	38
58) 2-Chloroethyl Vinyl ether	7.73	63	245	2.796	ug/l	100
95) Naphthalene	14.53	128	4788	2.083	ug/l #	71

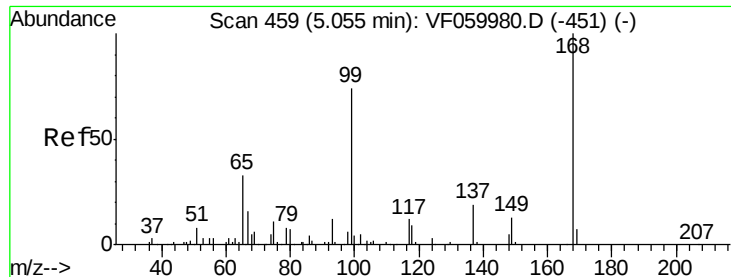
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

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Instrument :

MSVOA_F

ClientSampleId :

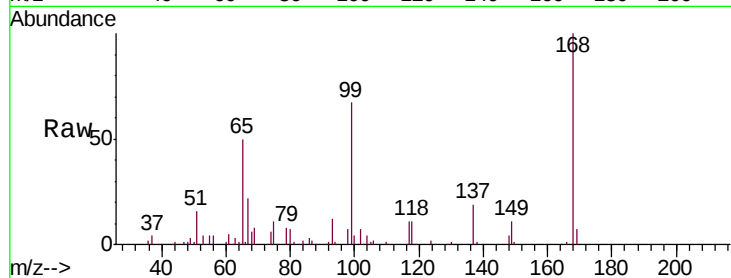
RA-081418-ESW-15NSC-025

Tgt Ion:168 Resp: 142494

Ion Ratio Lower Upper

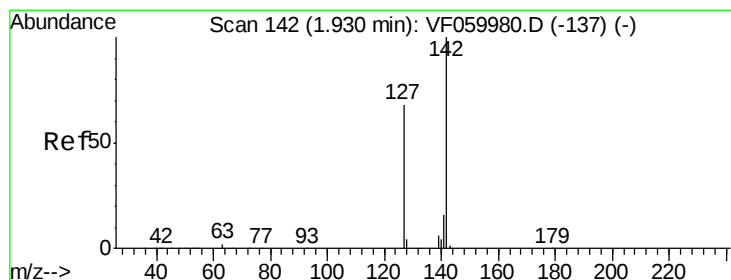
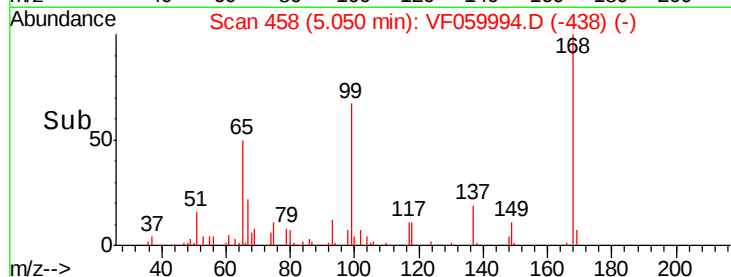
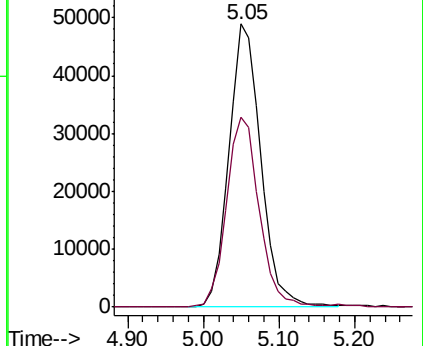
168 100

99 67.3 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#10

Methyl Iodide

Concen: 1.161 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF059994.D

Acq: 18 Aug 2018 1:51

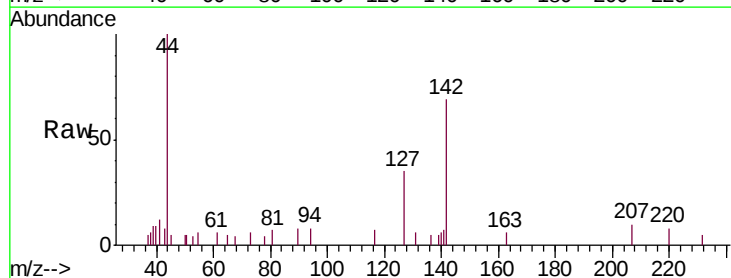
Tgt Ion:142 Resp: 2844

Ion Ratio Lower Upper

142 100

127 50.9 54.1 81.1#

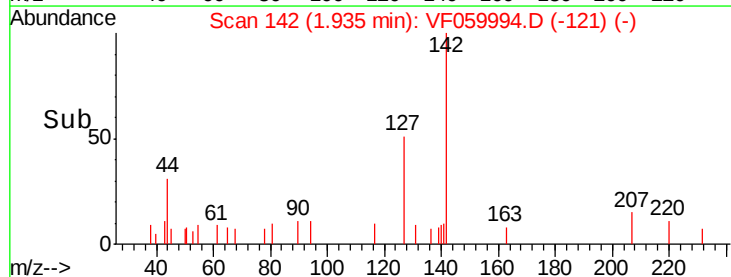
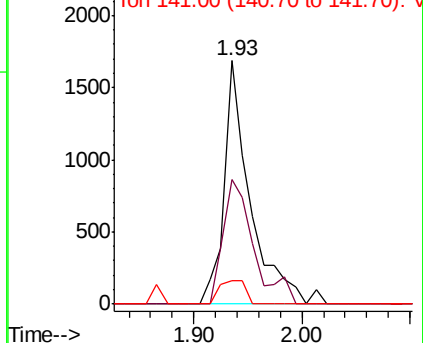
141 9.8 12.5 18.7#

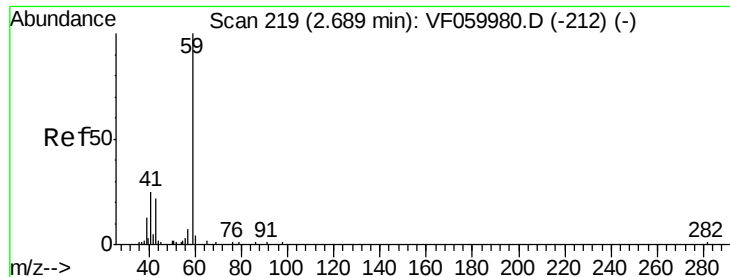


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



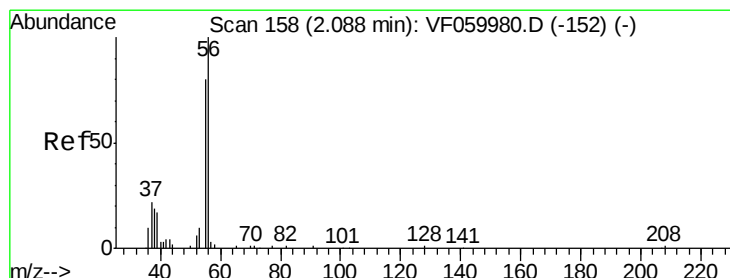
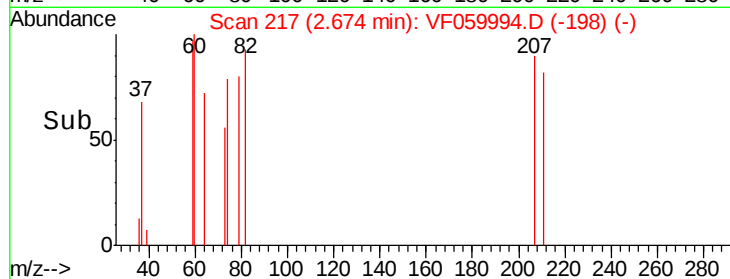
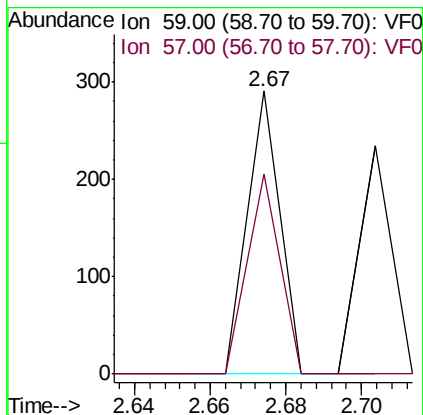
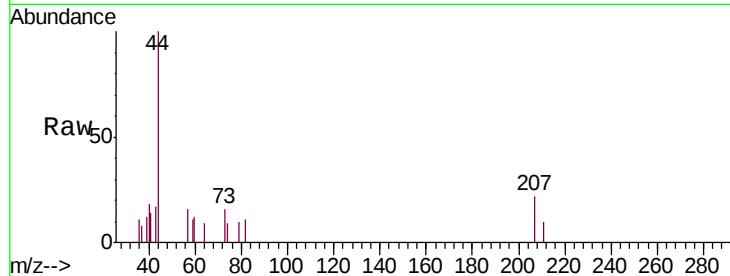


#11

Tert butyl alcohol
Concen: 1.073 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059994.D
Acq: 18 Aug 2018 1:51

Instrument :
MSVOA_F
ClientSampleId :
RA-081418-ESW-15NSC-025

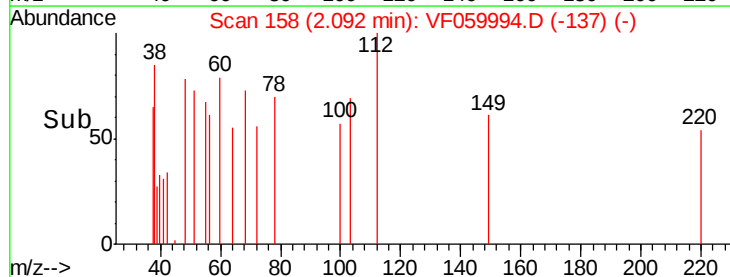
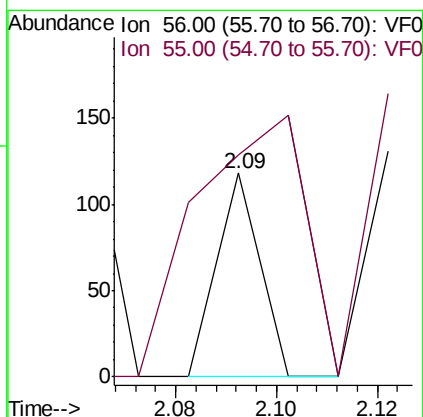
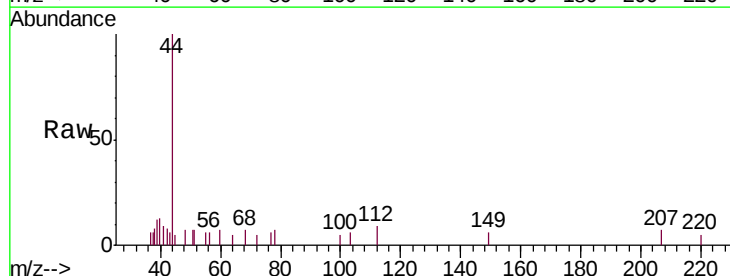
Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
57 70.8 6.8 10.2#

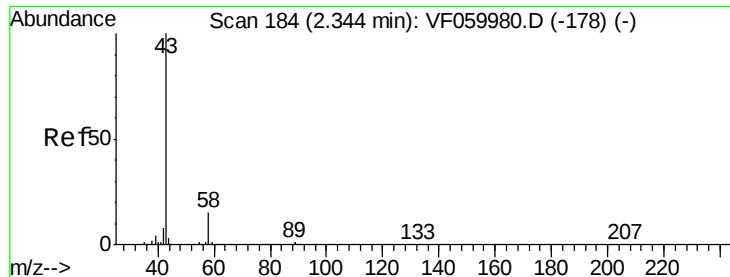


#13

Acrolein
Concen: 13.351 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF059994.D
Acq: 18 Aug 2018 1:51

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 109.3 63.8 95.6#





#16

Acetone

Concen: Below Cal

RT: 2.34 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059994.D

Acq: 18 Aug 2018 1:51

Instrument :

MSVOA_F

ClientSampleId :

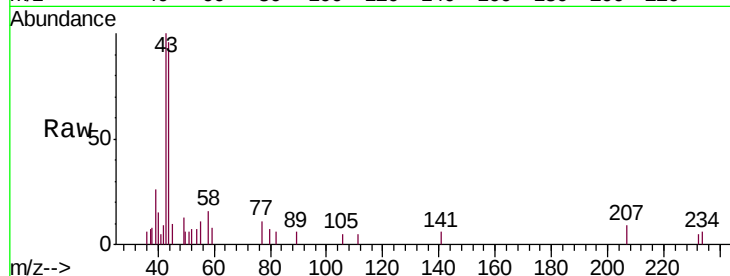
RA-081418-ESW-15NSC-025

Tgt Ion: 43 Resp: 3941

Ion Ratio Lower Upper

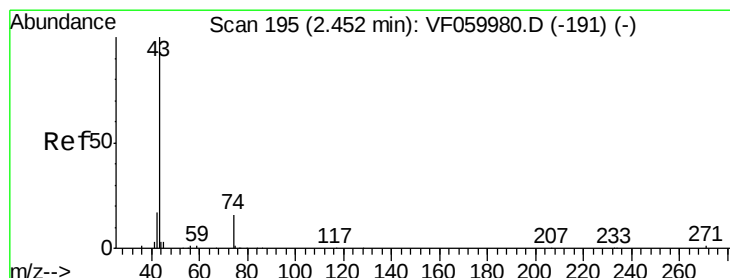
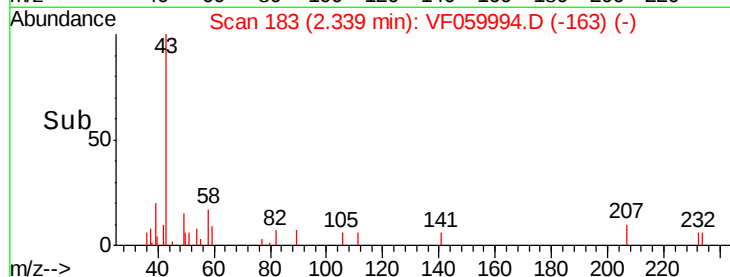
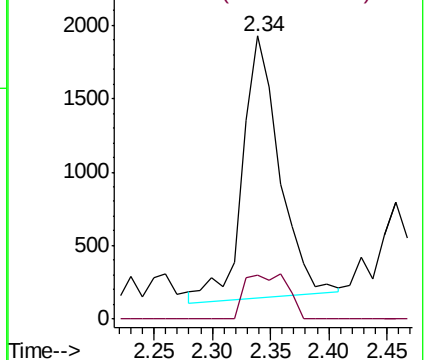
43 100

58 15.6 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.46 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059994.D

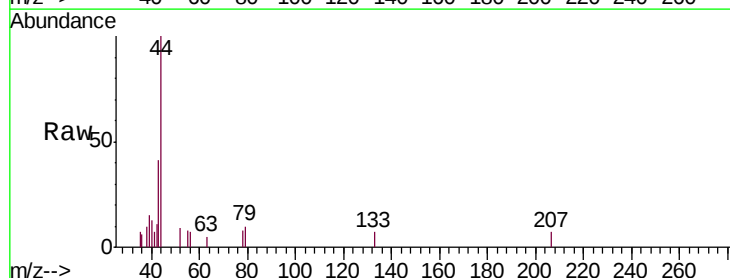
Acq: 18 Aug 2018 1:51

Tgt Ion: 43 Resp: 972

Ion Ratio Lower Upper

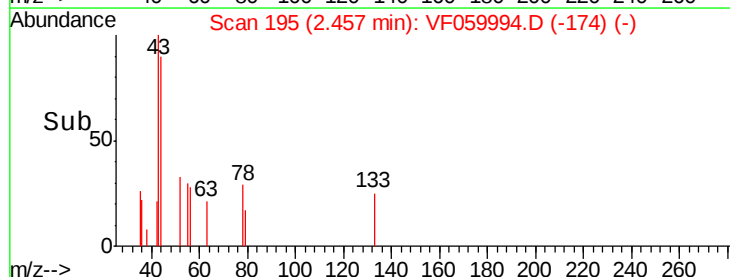
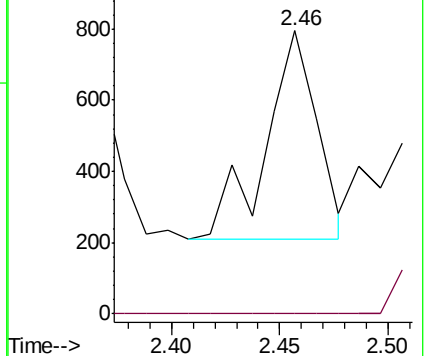
43 100

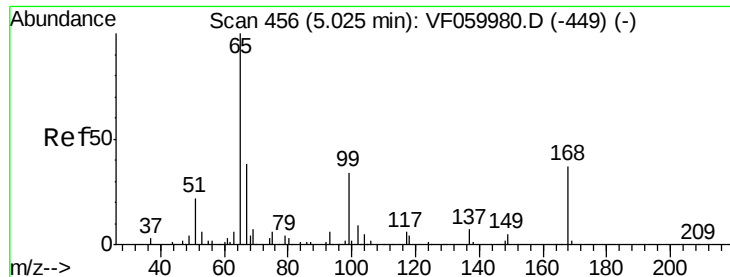
74 0.0 12.3 18.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

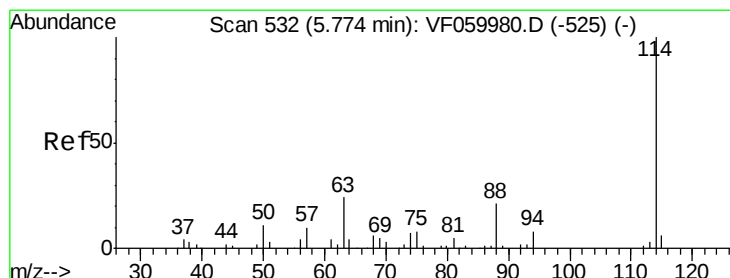
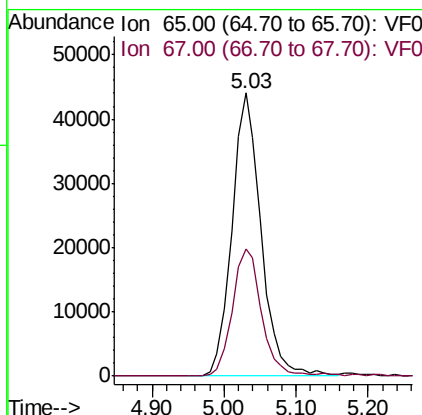
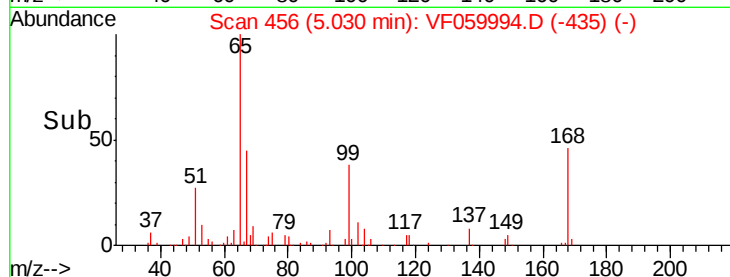
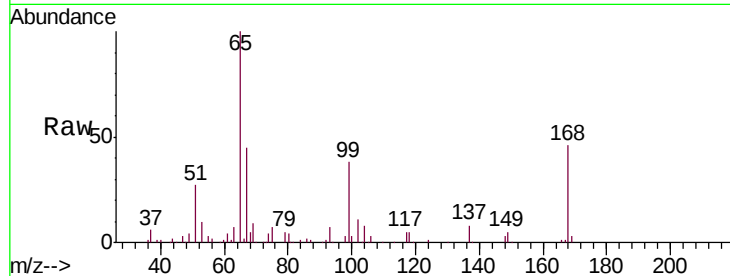




#33
 1,2-Dichloroethane-d4
 Concen: 44.891 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059994.D
 Acq: 18 Aug 2018 1:51

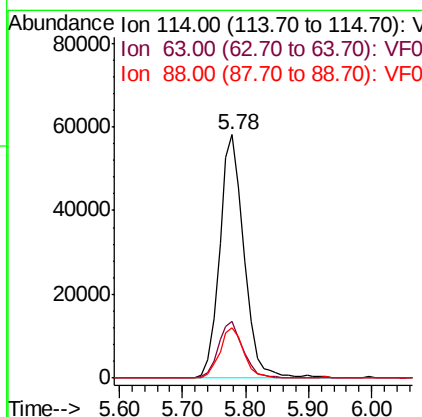
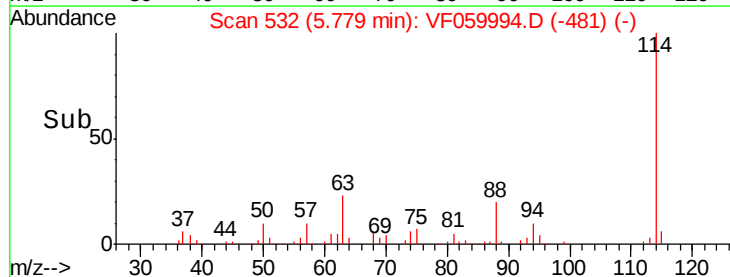
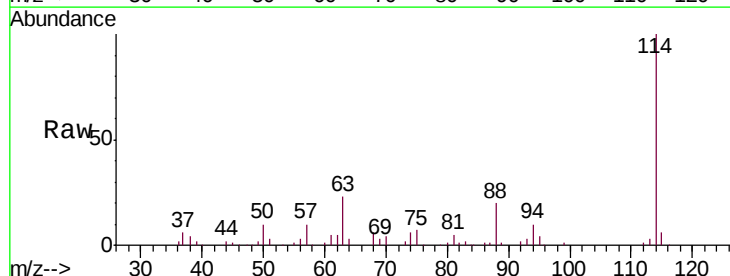
Instrument :
 MSVOA_F
 ClientSampleId :
 RA-081418-ESW-15NSC-025

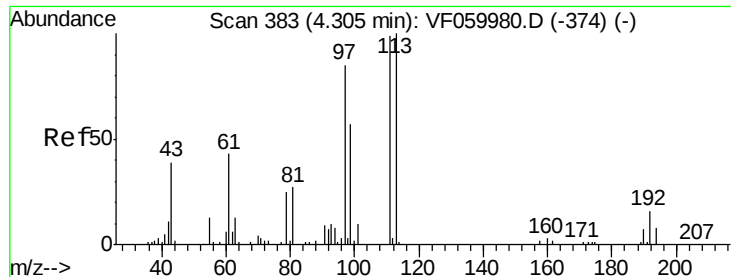
Tgt Ion: 65 Resp: 123474
 Ion Ratio Lower Upper
 65 100
 67 44.8 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059994.D
 Acq: 18 Aug 2018 1:51

Tgt Ion: 114 Resp: 155761
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 48.6
 88 20.4 0.0 42.8





#35

Dibromofluoromethane

Concen: 68.830 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059994.D

Acq: 18 Aug 2018 1:51

Instrument :

MSVOA_F

ClientSampleId :

RA-081418-ESW-15NSC-025

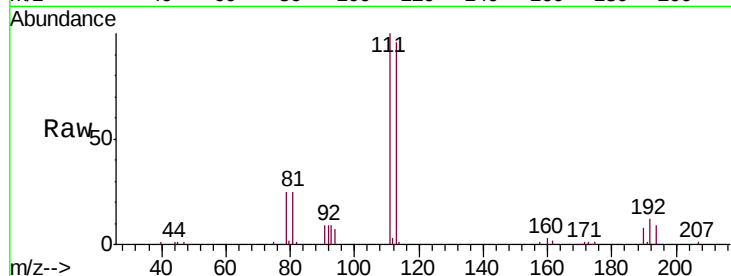
Tgt Ion: 113 Resp: 109570

Ion Ratio Lower Upper

113 100

111 103.8 79.5 119.3

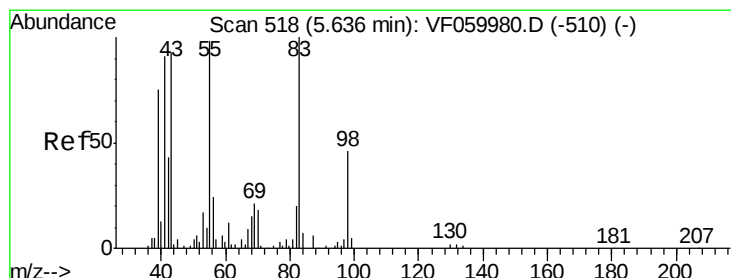
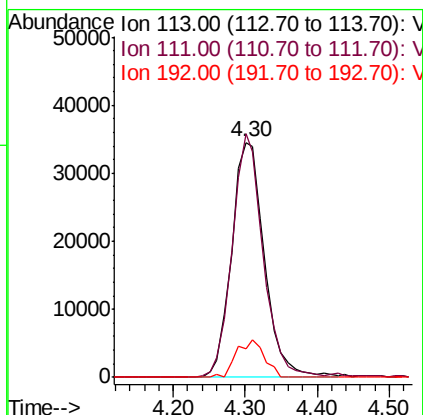
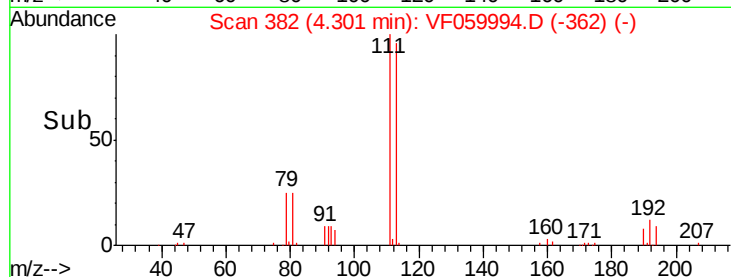
192 12.3 12.4 18.6#



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: 2.076 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.14 min

Lab File: VF059994.D

Acq: 18 Aug 2018 1:51

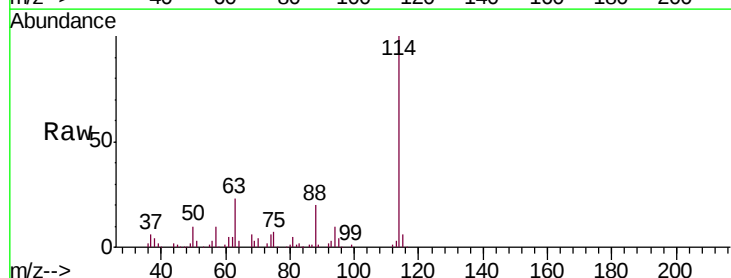
Tgt Ion: 83 Resp: 2763

Ion Ratio Lower Upper

83 100

55 40.6 78.8 118.2#

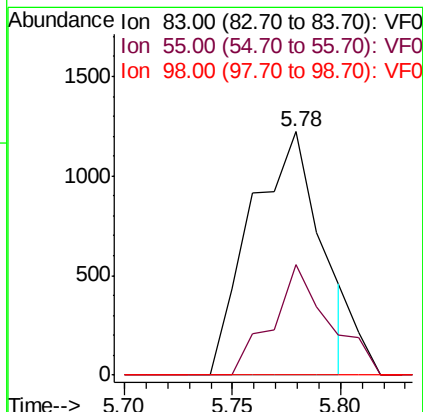
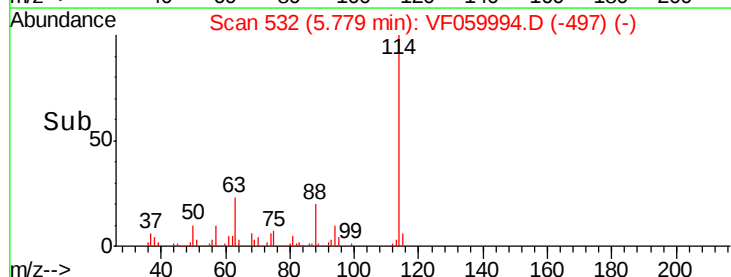
98 0.0 36.8 55.2#

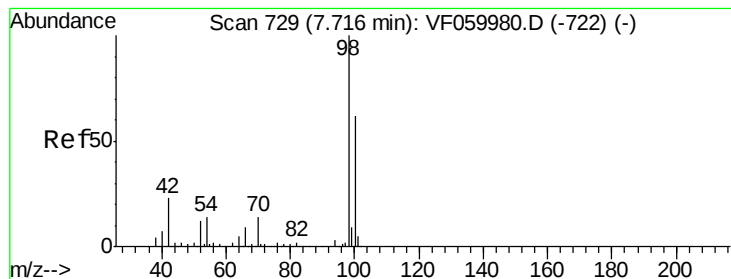


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#50

Toluene-d8

Concen: 42.019 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

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ClientSampleId :

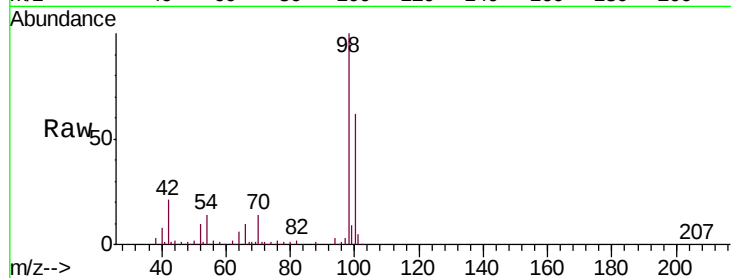
RA-081418-ESW-15NSC-025

Tgt Ion: 98 Resp: 148752

Ion Ratio Lower Upper

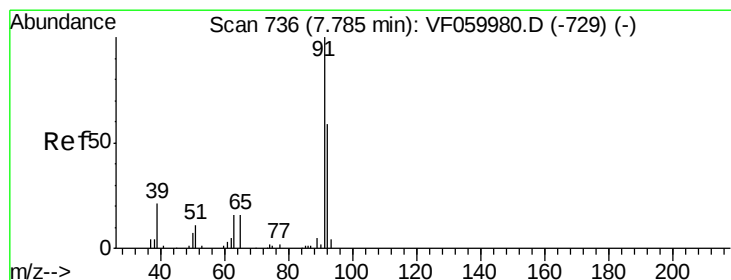
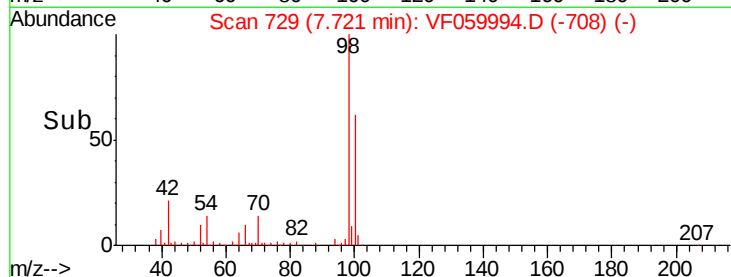
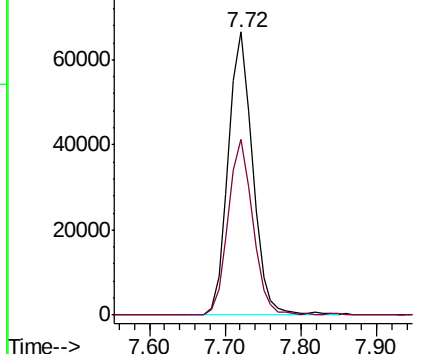
98 100

100 62.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#58

2-Chloroethyl Vinyl ether

Concen: 2.796 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.05 min

Lab File: VF059994.D

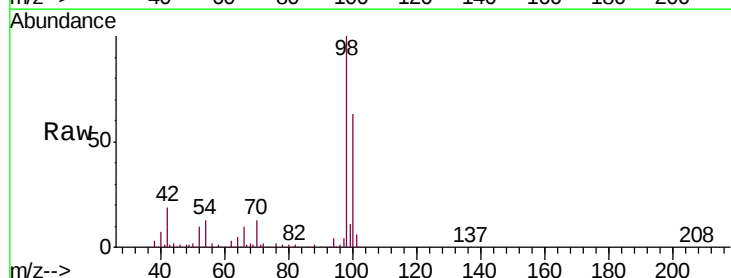
Acq: 18 Aug 2018 1:51

Tgt Ion: 63 Resp: 245

Ion Ratio Lower Upper

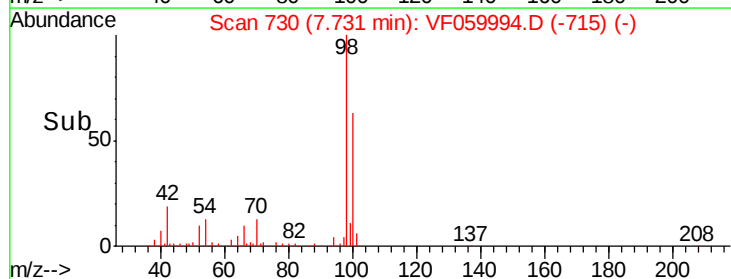
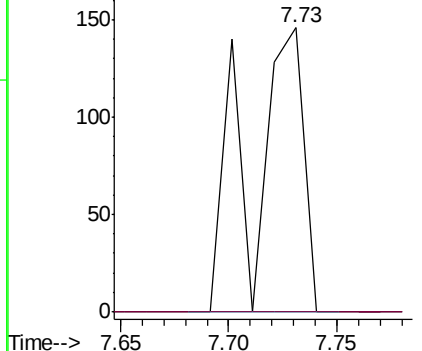
63 100

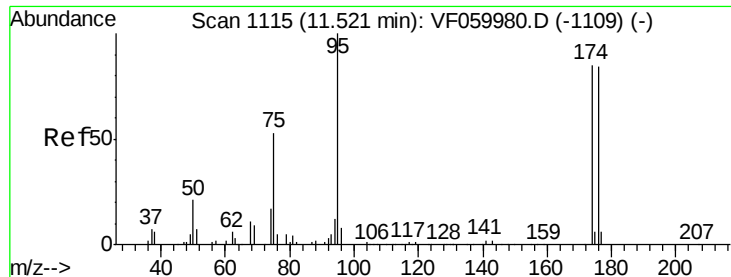
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#62

4-Bromofluorobenzene

Concen: 32.110 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059994.D

Acq: 18 Aug 2018 1:51

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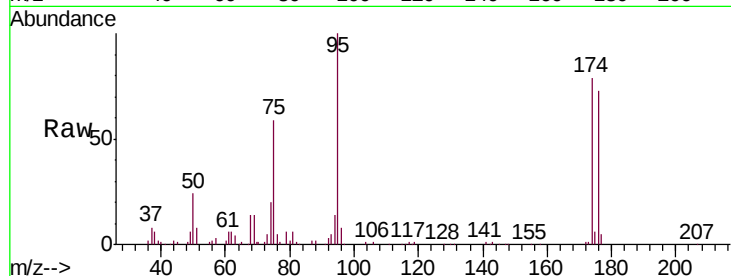
Tgt Ion: 95 Resp: 69757

Ion Ratio Lower Upper

95 100

174 79.4 0.0 169.8

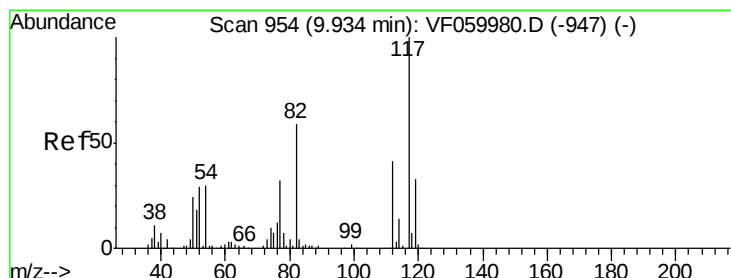
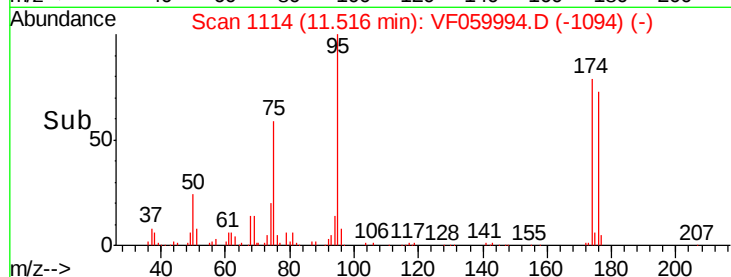
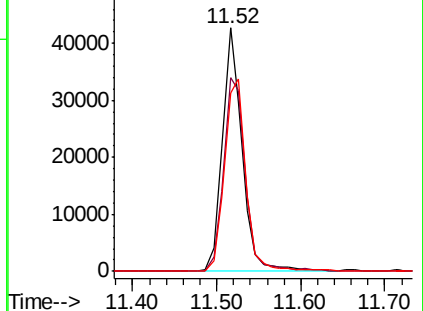
176 73.0 0.0 167.8



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: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059994.D

Acq: 18 Aug 2018 1:51

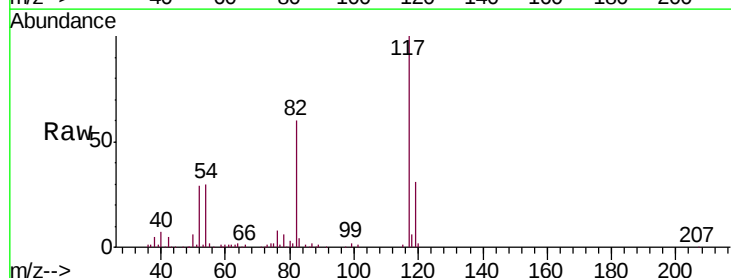
Tgt Ion: 117 Resp: 133874

Ion Ratio Lower Upper

117 100

82 60.2 47.2 70.8

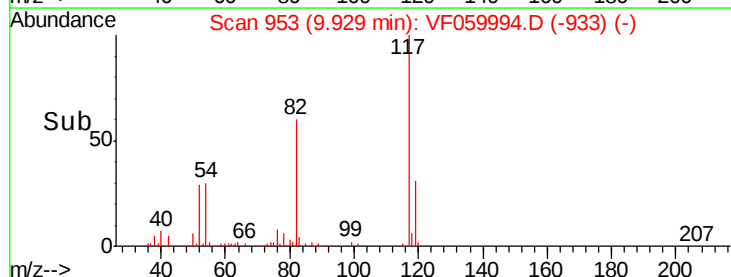
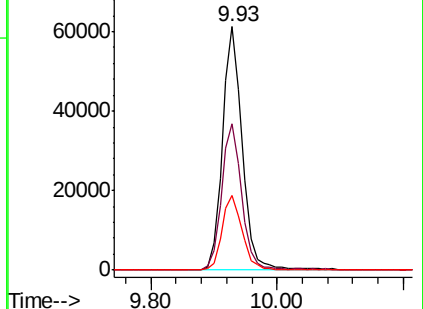
119 30.5 26.1 39.1

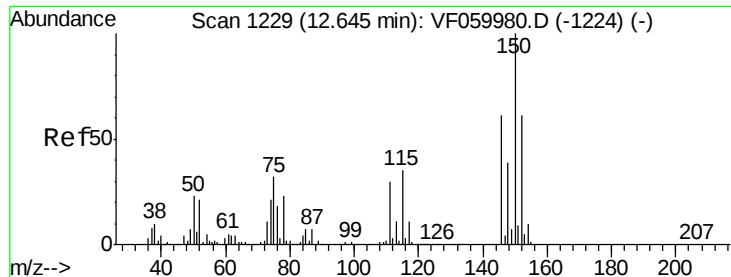


Abundance Ion 117.00 (116.70 to 117.70): V

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: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059994.D

Acq: 18 Aug 2018 1:51

Instrument :

MSVOA_F

ClientSampleId :

RA-081418-ESW-15NSC-025

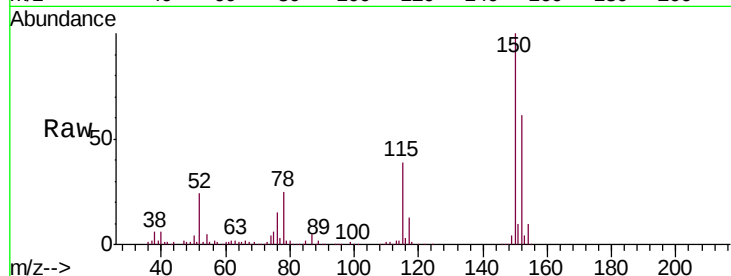
Tgt Ion:152 Resp: 65508

Ion Ratio Lower Upper

152 100

115 63.5 29.1 87.3

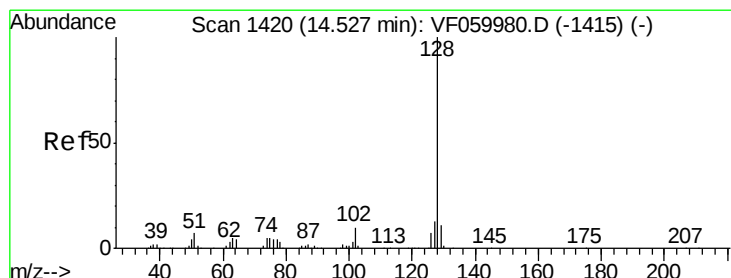
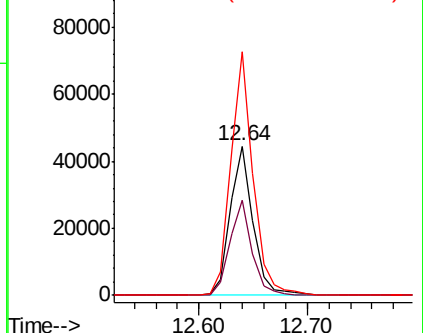
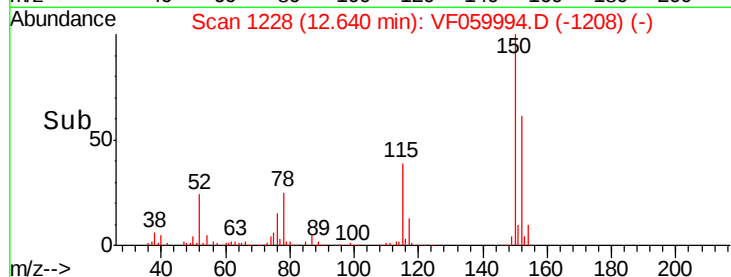
150 162.9 0.0 330.2



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



#95

Naphthalene

Concen: 2.083 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059994.D

Acq: 18 Aug 2018 1:51

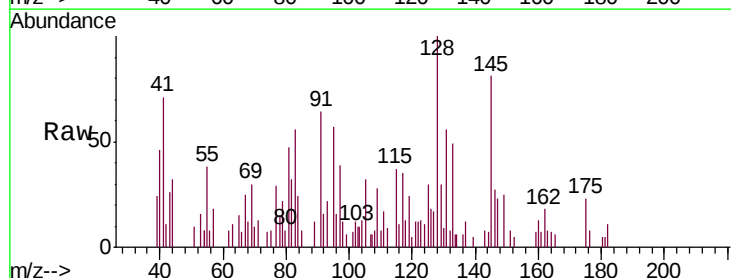
Tgt Ion:128 Resp: 4788

Ion Ratio Lower Upper

128 100

127 17.0 10.2 15.2#

129 30.4 9.0 13.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

