

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059540.D
 Acq On : 19 Jul 2018 4:07
 Operator : VA/AP
 Sample : J3991-04
 Misc : 5.36g/5mL/MSVOA F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-3-A

Quant Time: Jul 19 07:05:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	1092	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.79	114	1071	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	60	50.00	ug/l	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	60	3.53	ug/l	0.02
Spiked Amount	50.000		Recovery	=	7.06%	
35) Dibromofluoromethane	4.29	113	142	15.31	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	30.62%	
50) Toluene-d8	7.71	98	709	30.34	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	60.68%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

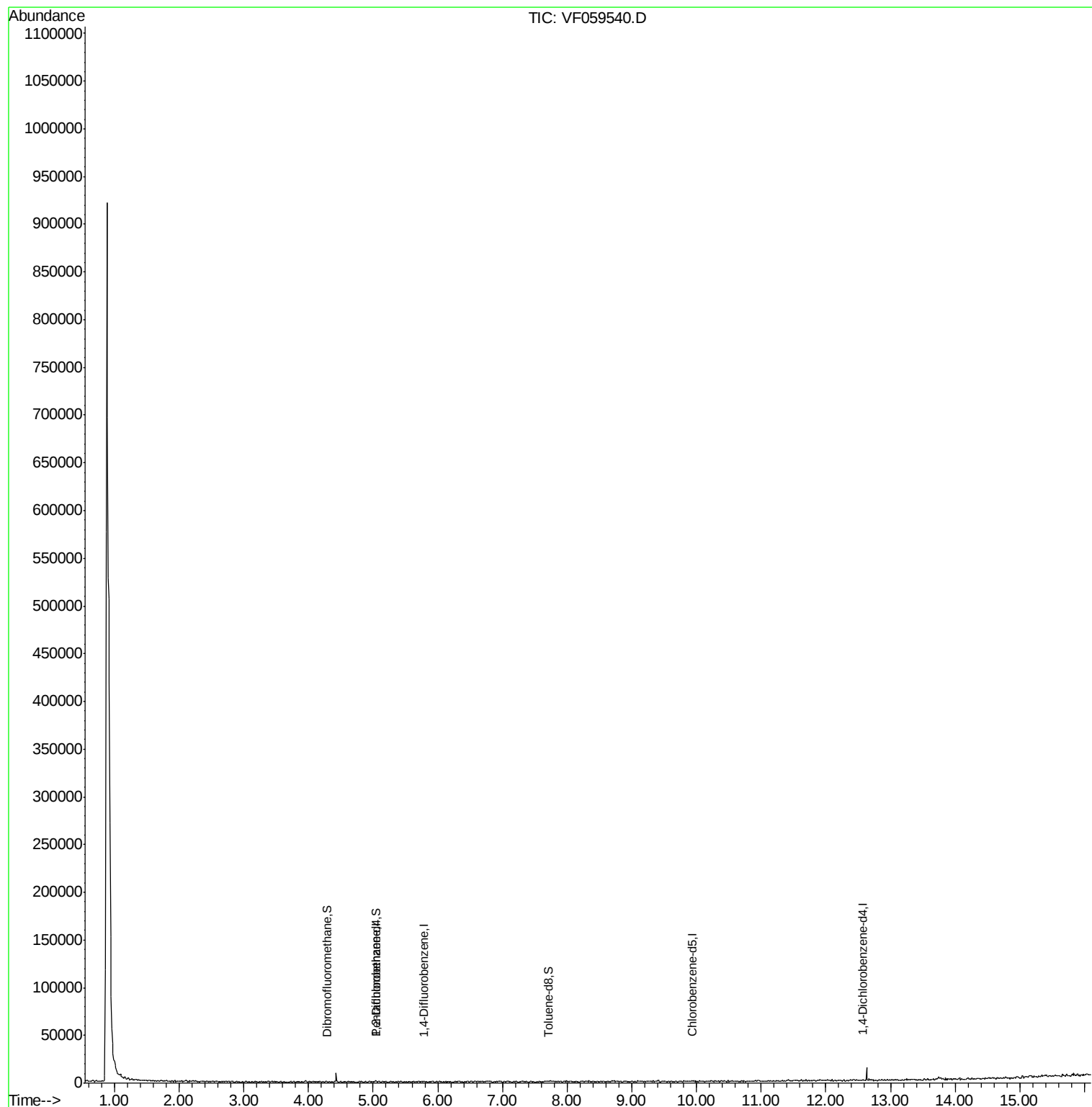
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) 1,4-Dioxane	7.07	88	72	Below Cal	#	15

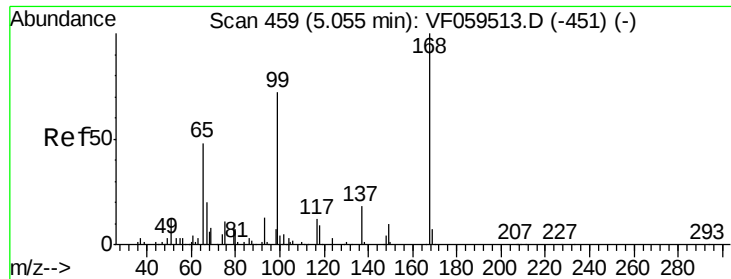
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :

MSVOA_F

ClientSampleId :

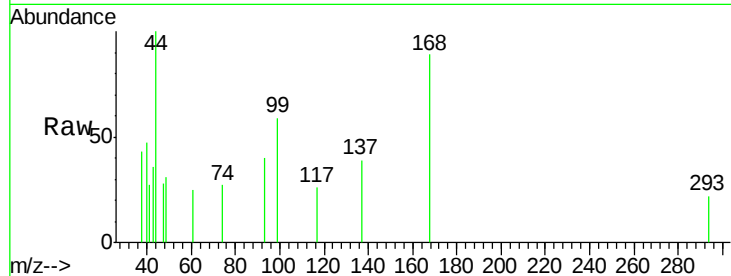
SB-3-A

Tot Ion:168 Resp: 1092

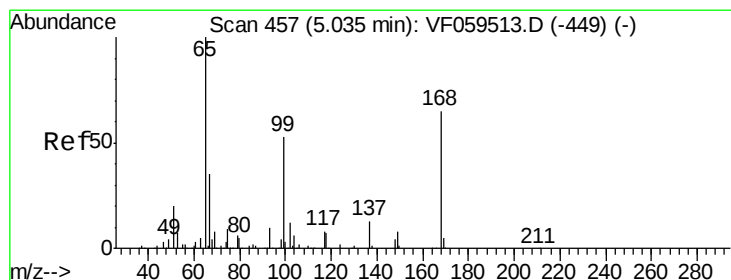
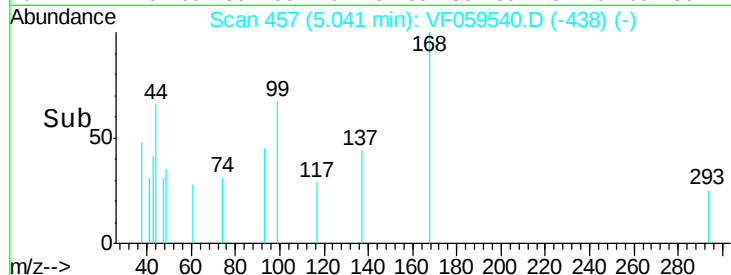
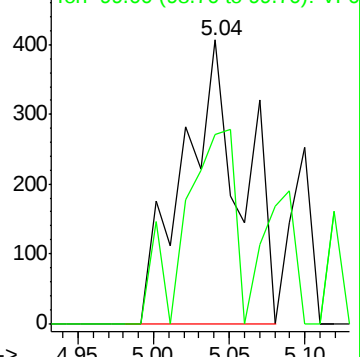
Ion Ratio Lower Upper

168 100

99 66.6 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 3.53 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059540.D

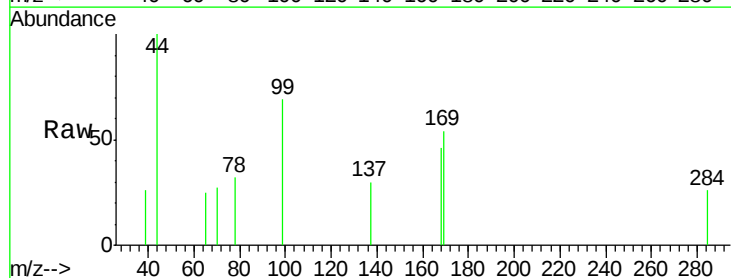
Acq: 19 Jul 2018 4:07

Tgt Ion: 65 Resp: 60

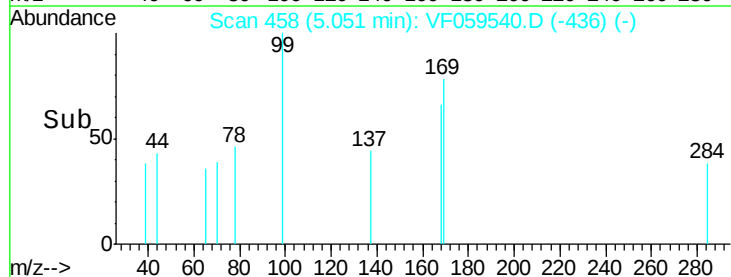
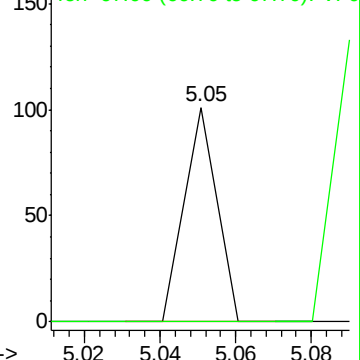
Ion Ratio Lower Upper

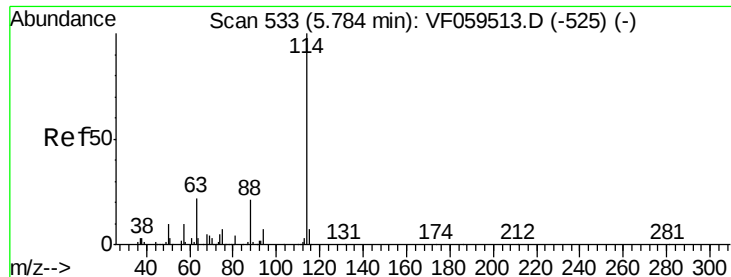
65 100

67 0.0 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :

MSVOA_F

ClientSampleId :

SB-3-A

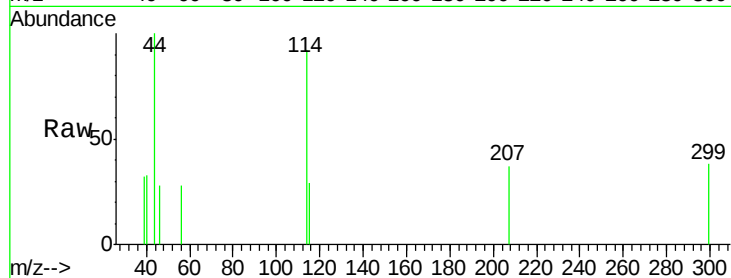
Tot Ion:114 Resp: 1071

Ion Ratio Lower Upper

114 100

63 0.0 0.0 44.8

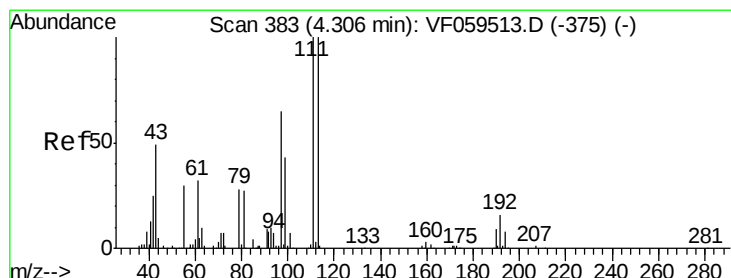
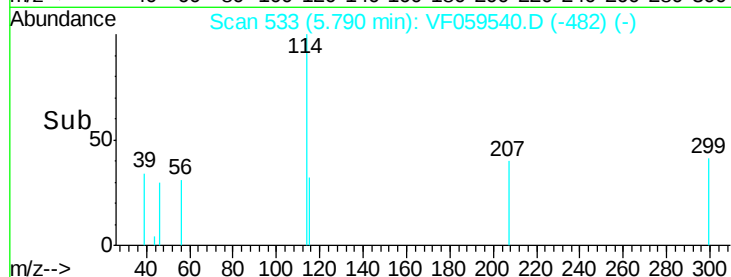
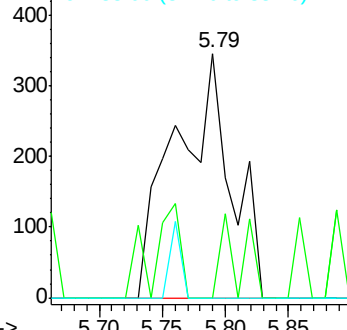
88 0.0 0.0 42.6



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: 15.31 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

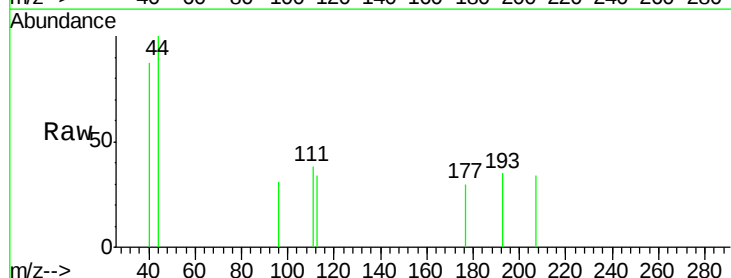
Tgt Ion:113 Resp: 142

Ion Ratio Lower Upper

113 100

111 111.4 80.3 120.5

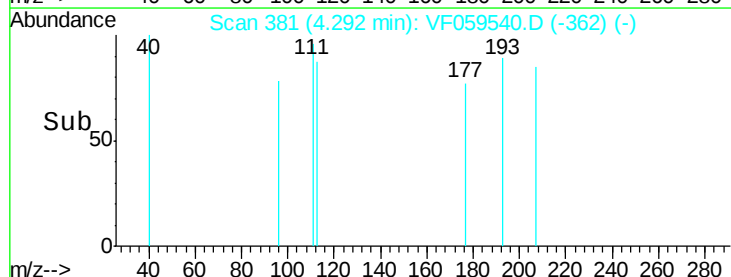
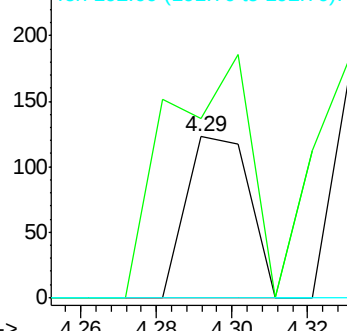
192 0.0 13.1 19.7#

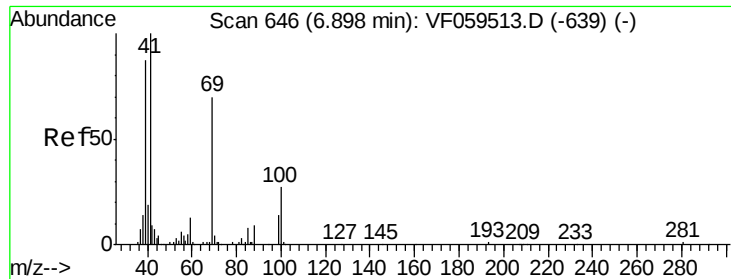


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

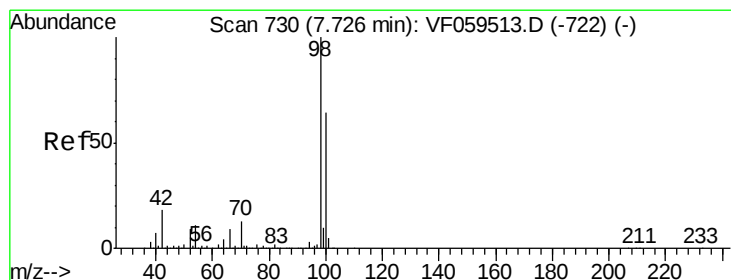
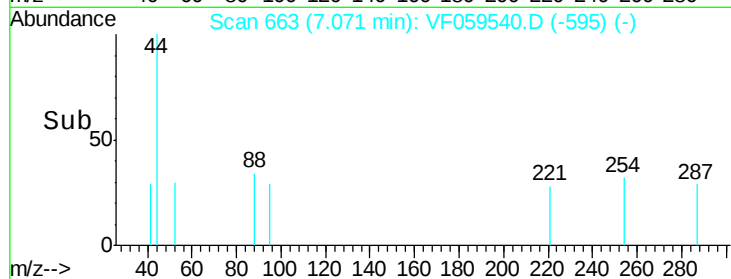
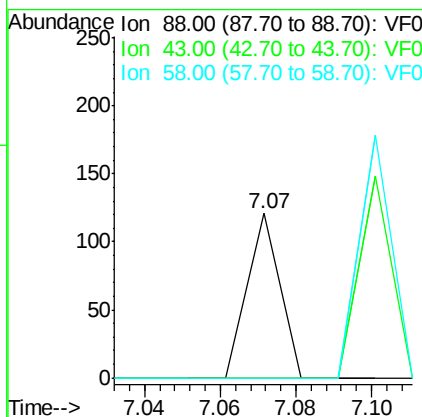
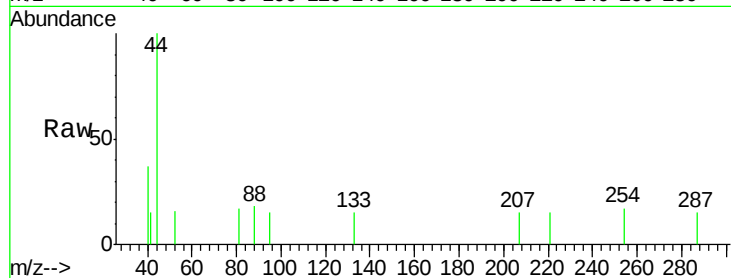




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.07 min Scan# 663
Delta R.T. 0.17 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

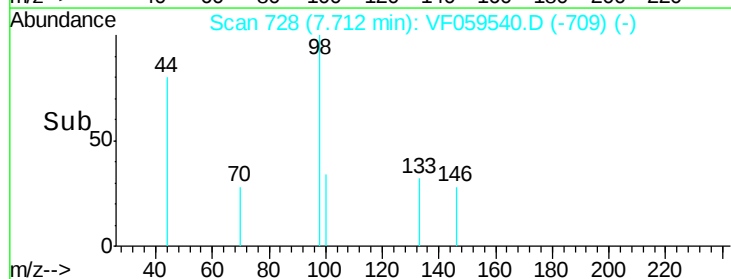
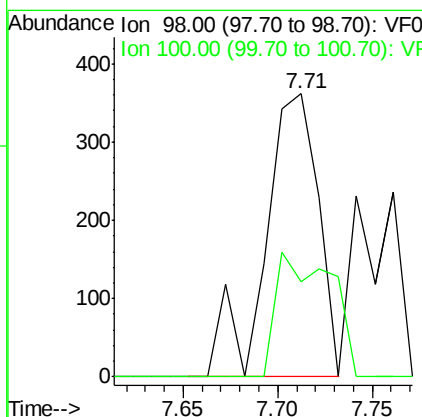
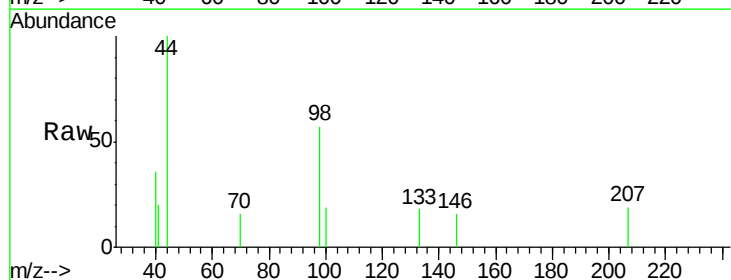
Instrument :
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ClientSampleId :
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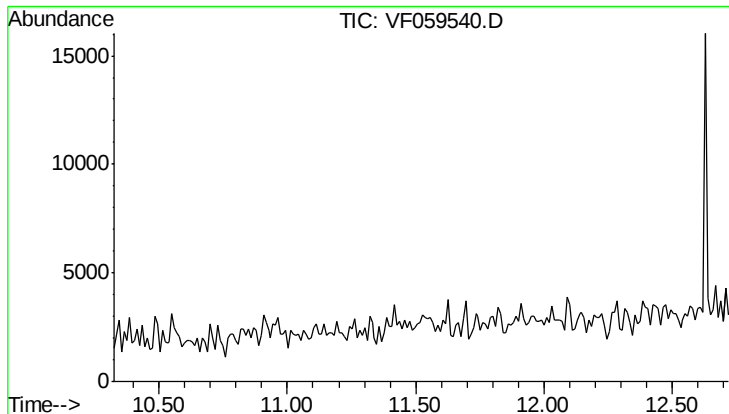
Tot Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 0.0 64.8 97.2#
58 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 30.34 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

Tgt Ion: 98 Resp: 709
Ion Ratio Lower Upper
98 100
100 33.7 50.9 76.3#





#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 11.52 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :

MSVOA_F

ClientSampleId :

SB-3-A

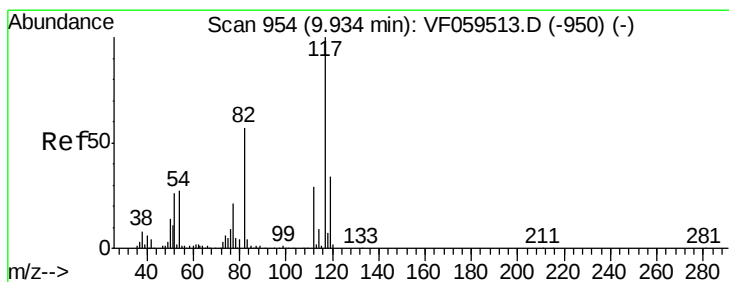
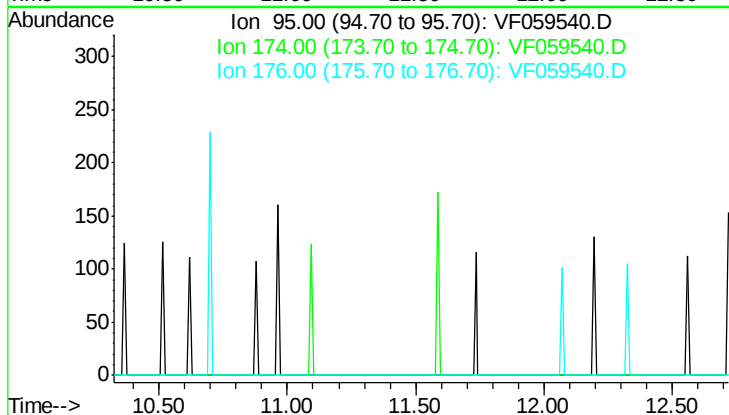
Tot Ion: 95

Sig Exp Ratio

95 100

174 87.2

176 84.7



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

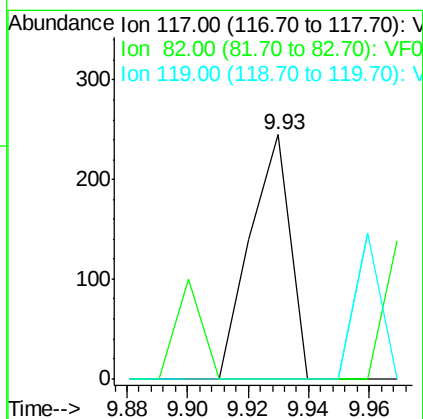
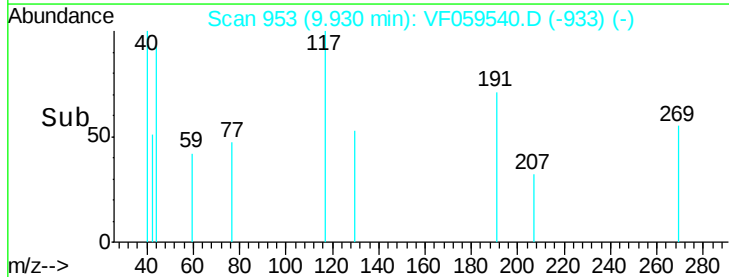
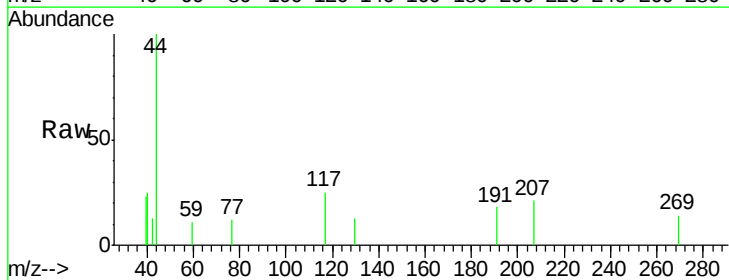
Tgt Ion: 117 Resp: 228

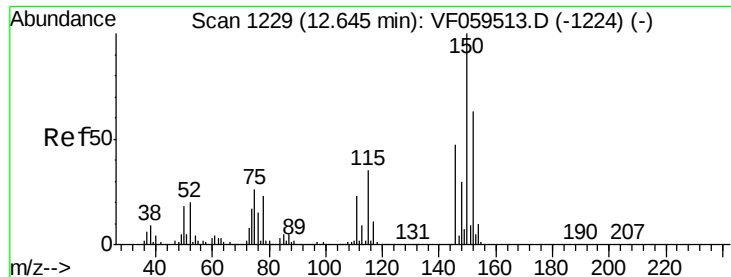
Ion Ratio Lower Upper

117 100

82 0.0 46.1 69.1#

119 0.0 27.2 40.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. -0.08 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :

MSVOA_F

ClientSampleId :

SB-3-A

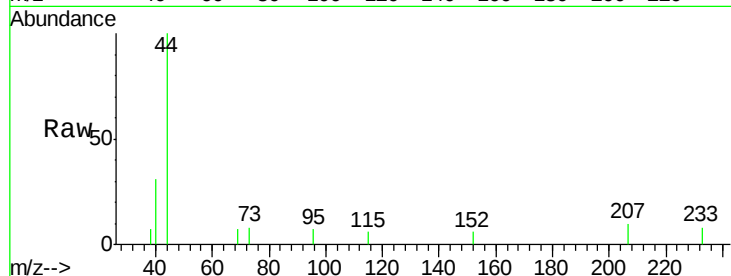
Tot Ion:152 Resp: 60

Ion Ratio Lower Upper

152 100

115 99.0 27.8 83.3#

150 0.0 0.0 318.4



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

