

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
 Data File : VF060938.D
 Acq On : 7 Dec 2018 19:34
 Operator : VA/AP
 Sample : J6214-21RE
 Misc : 4.36g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-8(0-2)RE

Quant Time: Dec 08 03:48:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	114051	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	186061	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	138330	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	41950	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	63964	47.61	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	4.09	113	68704	46.55	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	93.10%	
50) Toluene-d8	7.54	98	167075	38.43	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	76.86%	
62) 4-Bromofluorobenzene	11.40	95	51640	26.13	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	52.26%	

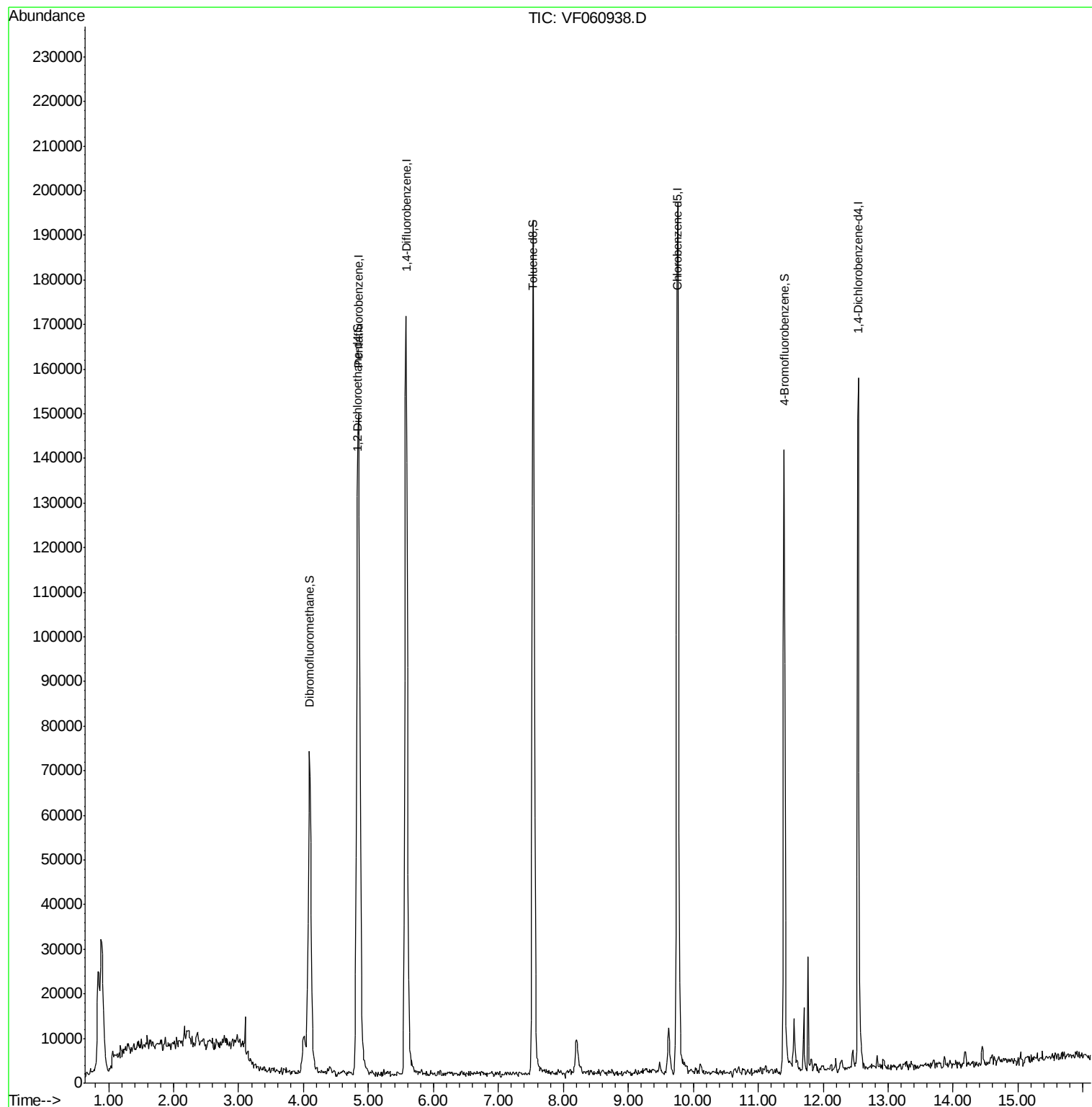
Target Compounds	Qvalue
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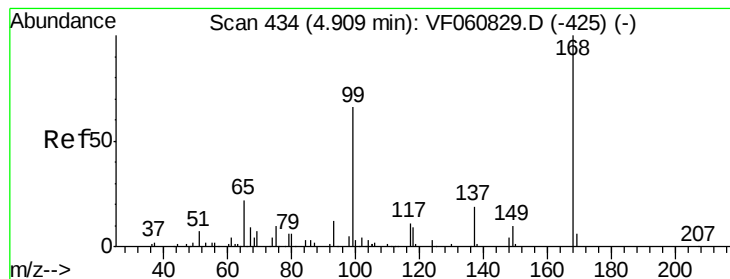
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

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Acq: 7 Dec 2018 19:34

Instrument :

MSVOA_F

ClientSampleId :

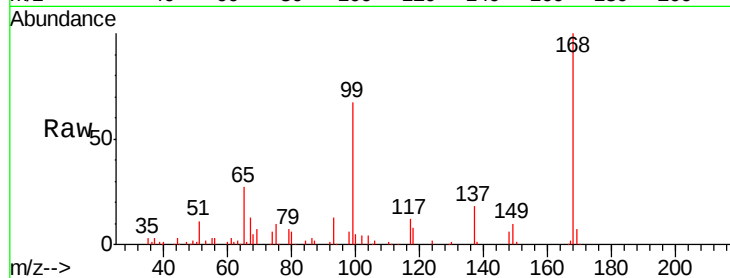
SB-8(0-2)RE

Tgt Ion:168 Resp: 114051

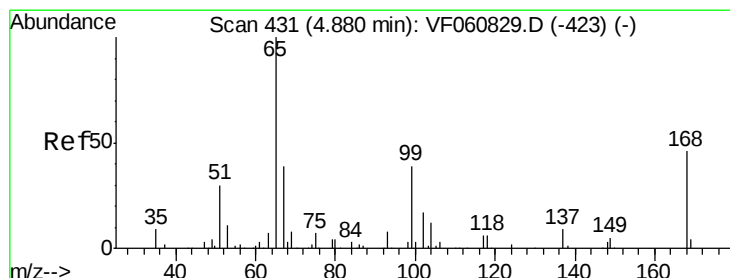
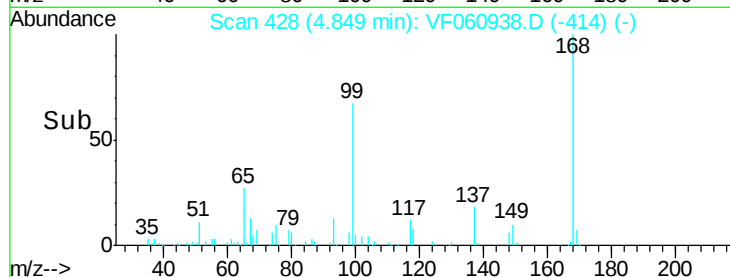
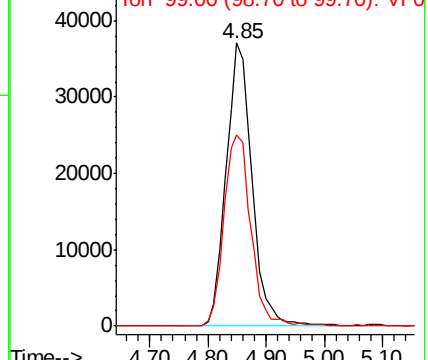
Ion Ratio Lower Upper

168 100

99 67.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 47.608 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.06 min

Lab File: VF060938.D

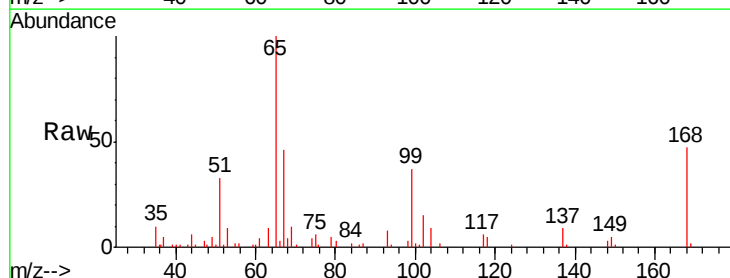
Acq: 7 Dec 2018 19:34

Tgt Ion: 65 Resp: 63964

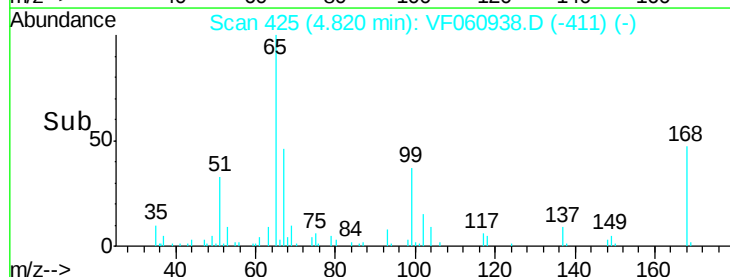
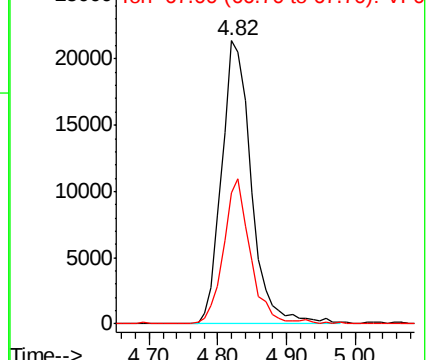
Ion Ratio Lower Upper

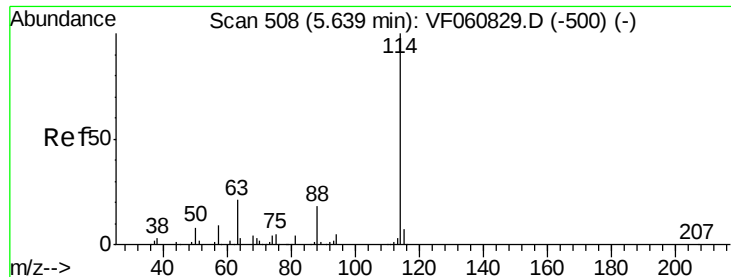
65 100

67 46.3 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.06 min

Lab File: VF060938.D

Acq: 7 Dec 2018 19:34

Instrument :

MSVOA_F

ClientSampleId :

SB-8(0-2)RE

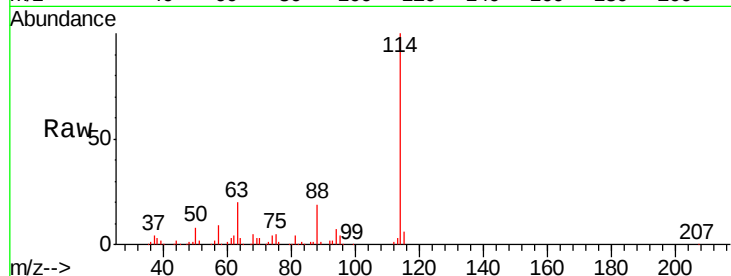
Tgt Ion:114 Resp: 186061

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.6

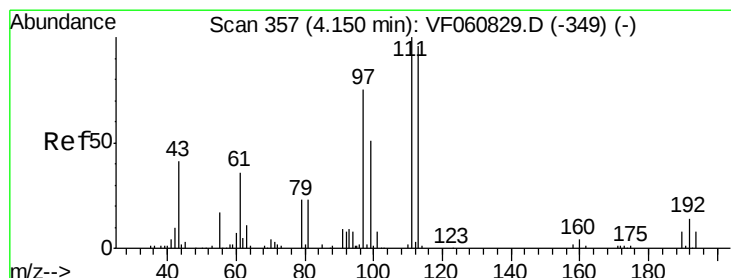
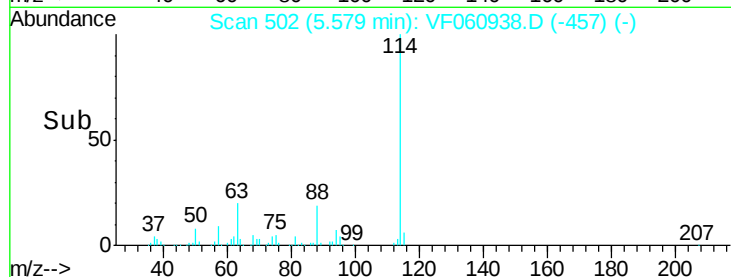
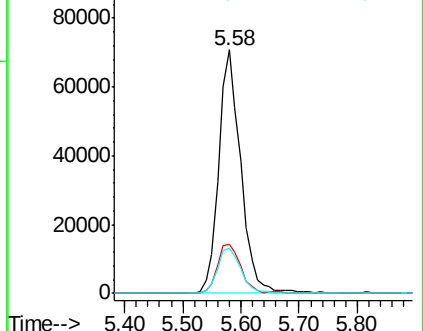
88 18.7 0.0 36.6



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: 46.545 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.06 min

Lab File: VF060938.D

Acq: 7 Dec 2018 19:34

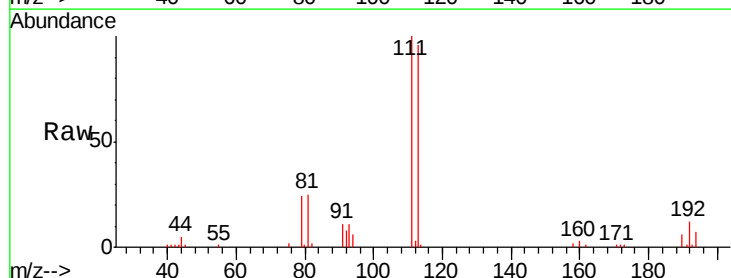
Tgt Ion:113 Resp: 68704

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.6

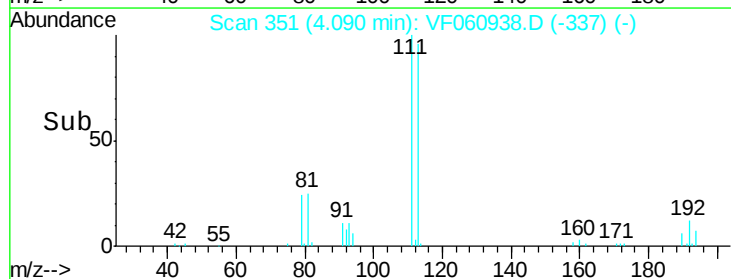
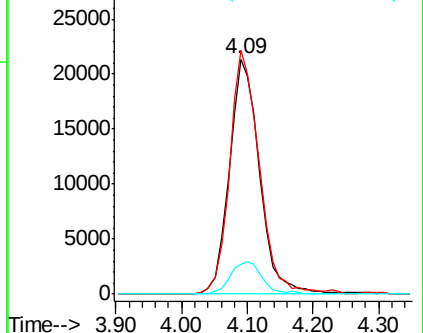
192 12.6 12.3 18.5

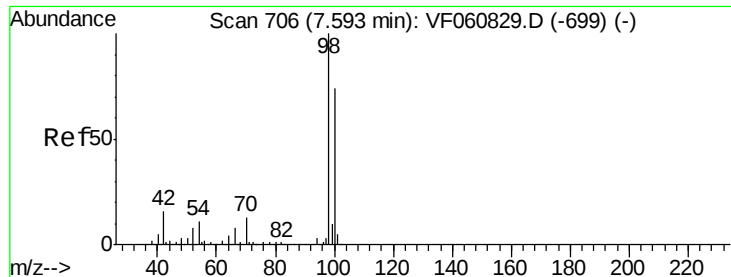


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 38.425 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.05 min

Lab File: VF060938.D

Acq: 7 Dec 2018 19:34

Instrument :

MSVOA_F

ClientSampleId :

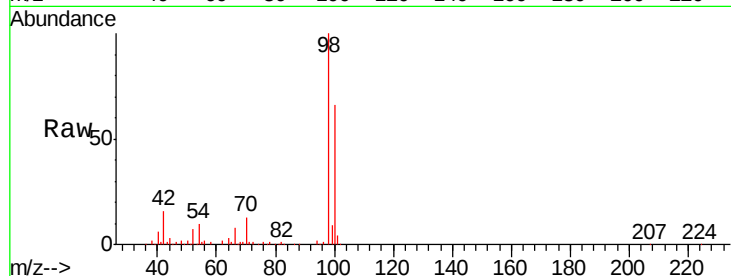
SB-8(0-2)RE

Tgt Ion: 98 Resp: 167075

Ion Ratio Lower Upper

98 100

100 65.6 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.54

80000

60000

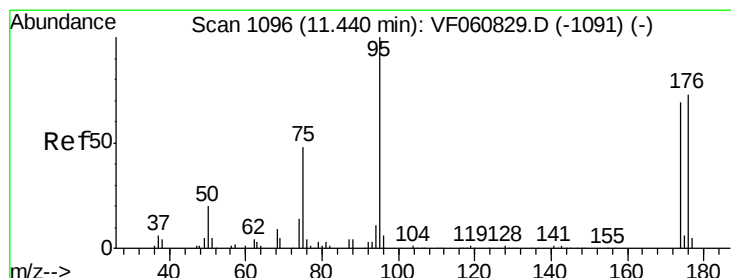
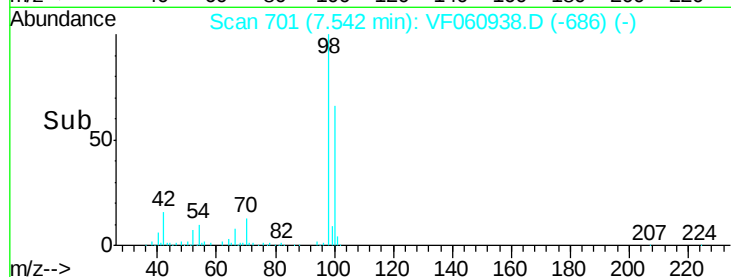
40000

20000

0

Time-->

7.40 7.50 7.60 7.70



#62

4-Bromofluorobenzene

Concen: 26.132 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF060938.D

Acq: 7 Dec 2018 19:34

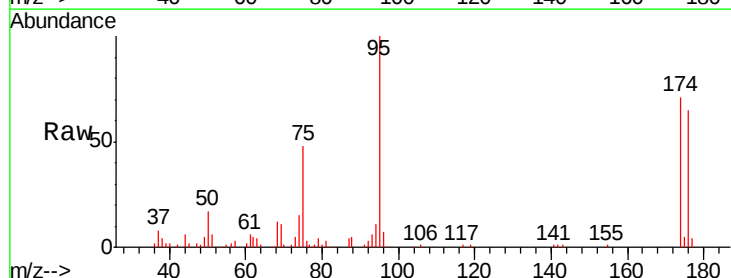
Tgt Ion: 95 Resp: 51640

Ion Ratio Lower Upper

95 100

174 70.9 0.0 138.2

176 65.5 0.0 146.2



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

40000

30000

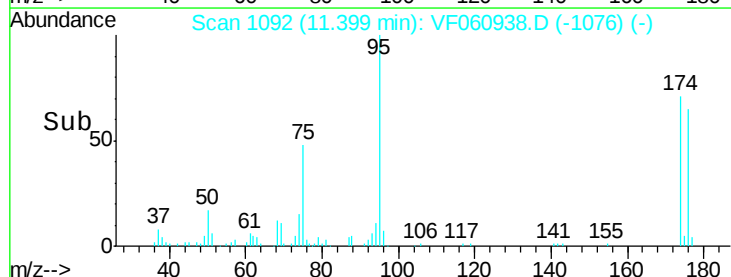
20000

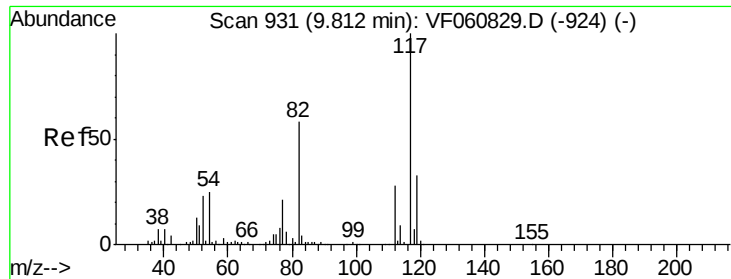
10000

0

Time-->

11.30 11.40 11.50

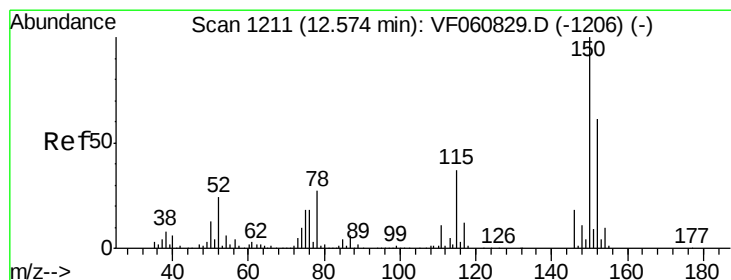
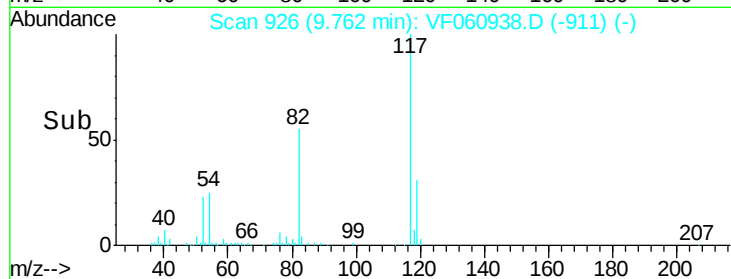
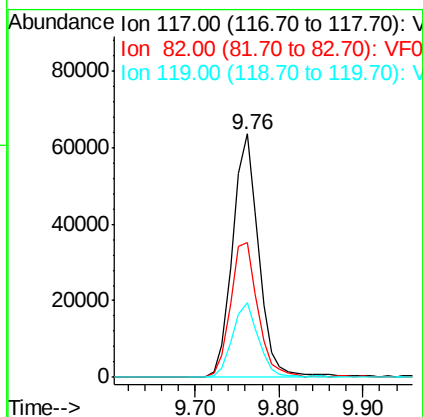
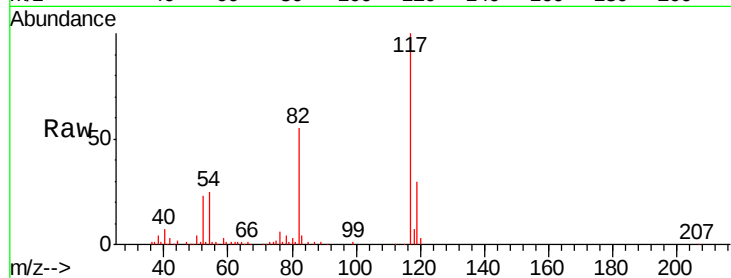




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF060938.D
Acq: 7 Dec 2018 19:34

Instrument :
MSVOA_F
ClientSampleId :
SB-8(0-2)RE

Tgt Ion:117 Resp: 138330
Ion Ratio Lower Upper
117 100
82 55.2 46.6 69.8
119 30.5 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060938.D
Acq: 7 Dec 2018 19:34

Tgt Ion:152 Resp: 41950
Ion Ratio Lower Upper
152 100
115 57.1 30.1 90.5
150 151.4 0.0 327.6

