

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032019\
 Data File : VF062033.D
 Acq On : 20 Mar 2019 11:44
 Operator : VA/AP
 Sample : VF0320SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBL01

Quant Time: Mar 21 15:46:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	292351	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	443608	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	383541	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	223696	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	107579	51.12	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	102.24%	
35) Dibromofluoromethane	4.08	113	148636	49.90	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	99.80%	
50) Toluene-d8	7.54	98	382869	43.97	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	87.94%	
62) 4-Bromofluorobenzene	11.39	95	175072	50.61	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.22%	

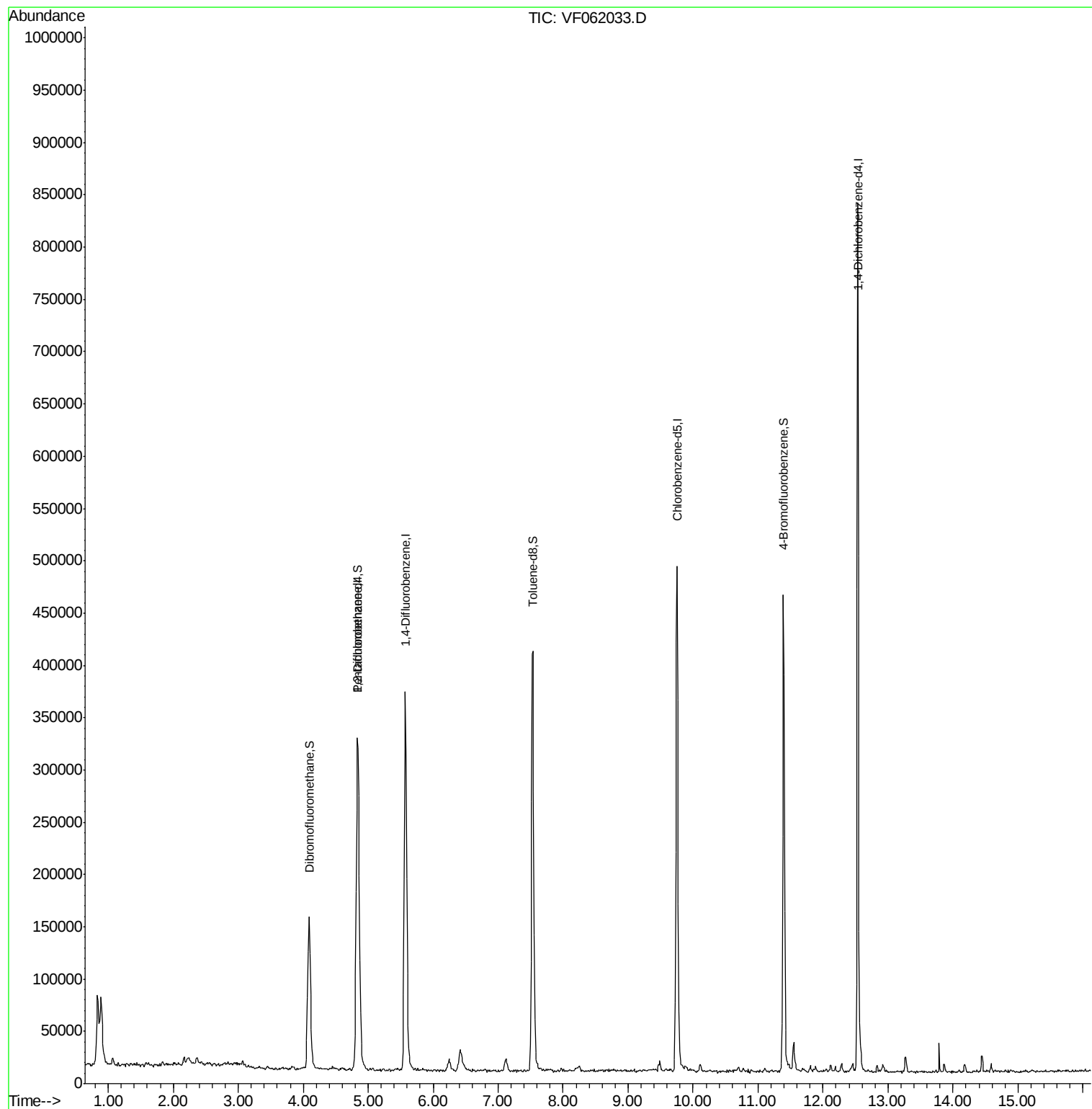
Target Compounds	Qvalue

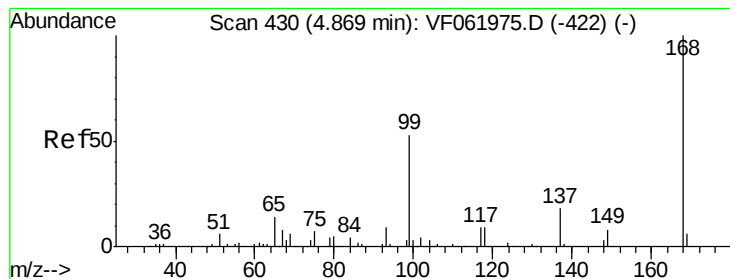
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF062033.D

Acq: 20 Mar 2019 11:44

Instrument :

MSVOA_F

ClientSampleId :

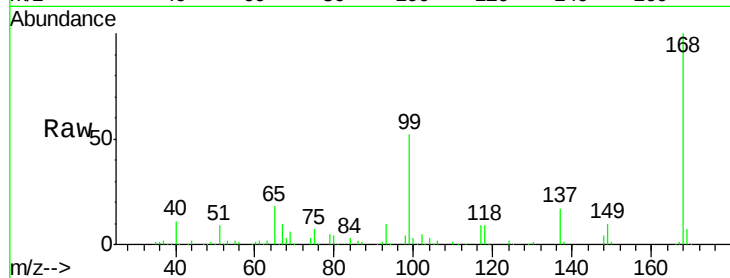
VF0320SBL01

Tot Ion:168 Resp: 292351

Ion Ratio Lower Upper

168 100

99 52.1 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

100000

80000

60000

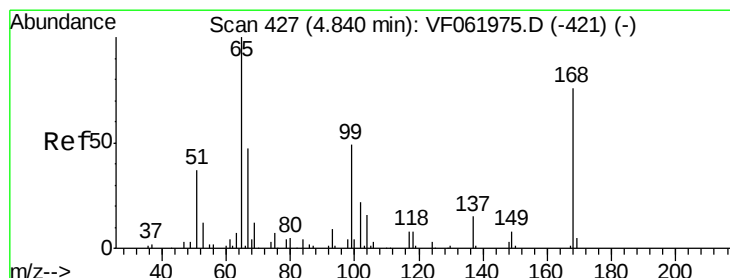
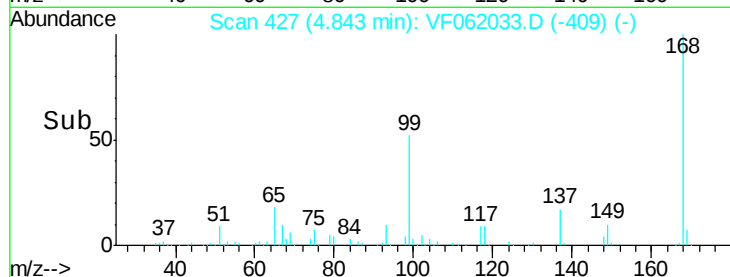
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#33

1,2-Dichloroethane-d4

Concen: 51.120 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF062033.D

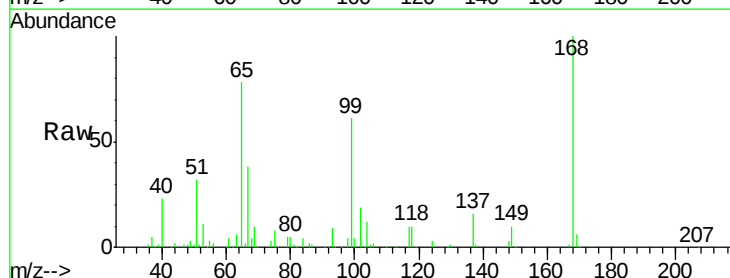
Acq: 20 Mar 2019 11:44

Tgt Ion: 65 Resp: 107579

Ion Ratio Lower Upper

65 100

67 49.1 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.82

40000

30000

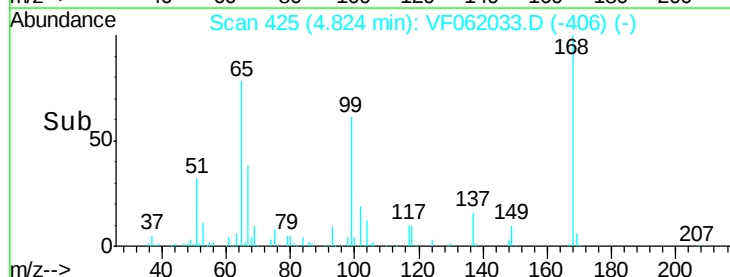
20000

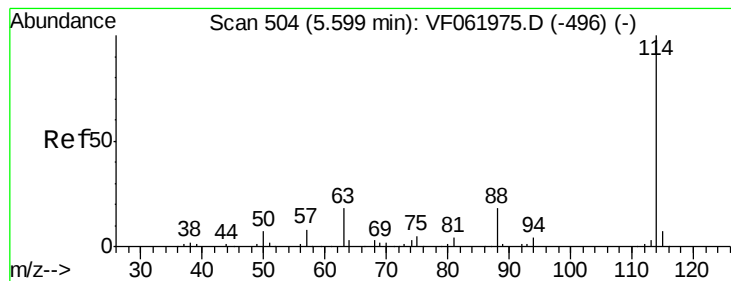
10000

0

Time-->

4.70 4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.03 min

Lab File: VF062033.D

Acq: 20 Mar 2019 11:44

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBL01

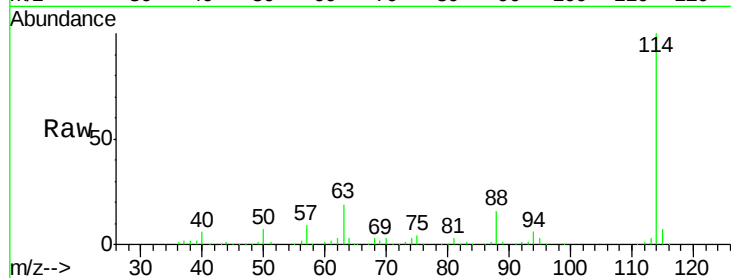
Tot Ion:114 Resp: 443608

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.4

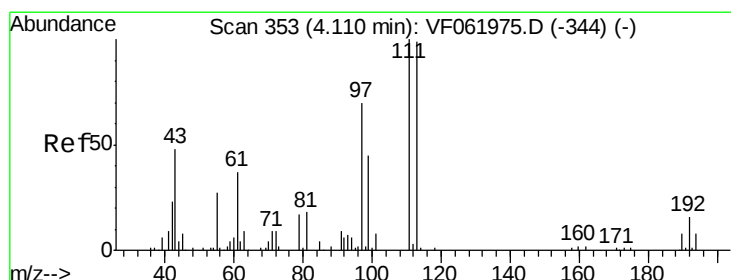
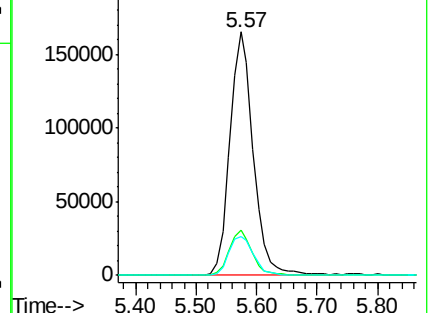
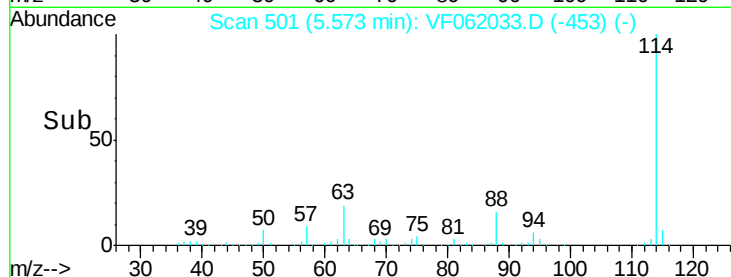
88 16.1 0.0 36.4



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: 49.896 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF062033.D

Acq: 20 Mar 2019 11:44

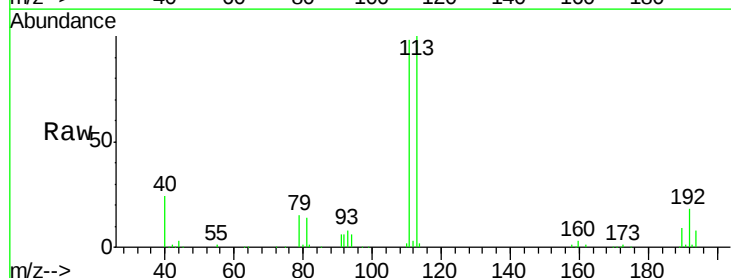
Tgt Ion:113 Resp: 148636

Ion Ratio Lower Upper

113 100

111 98.3 80.8 121.2

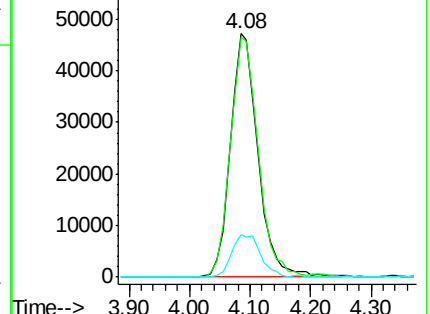
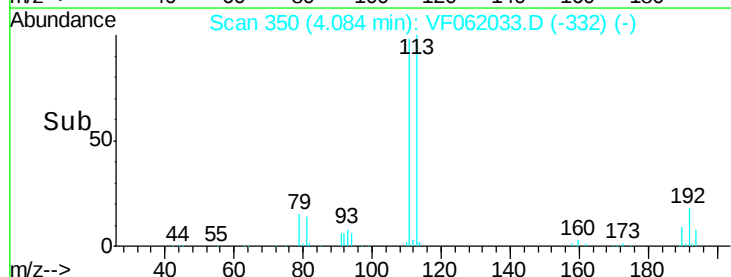
192 17.6 13.0 19.6

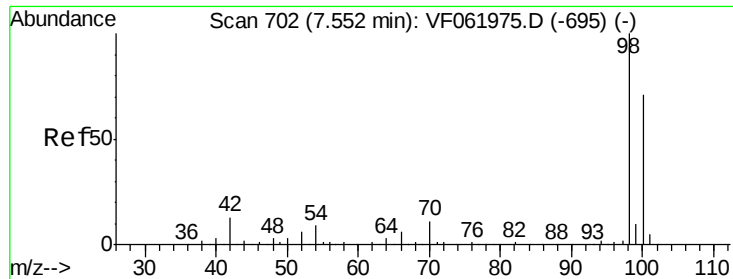


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

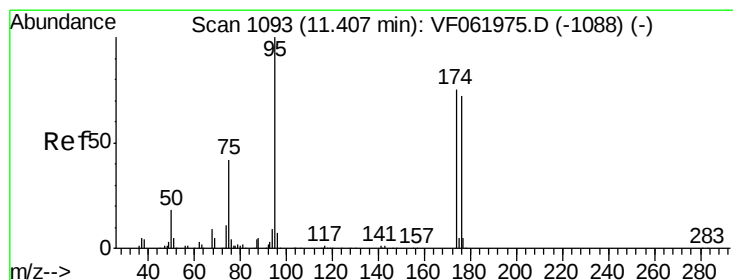
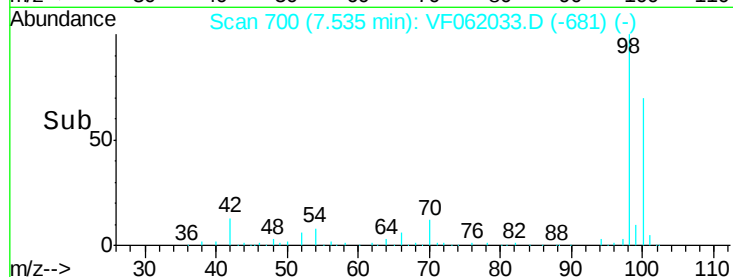
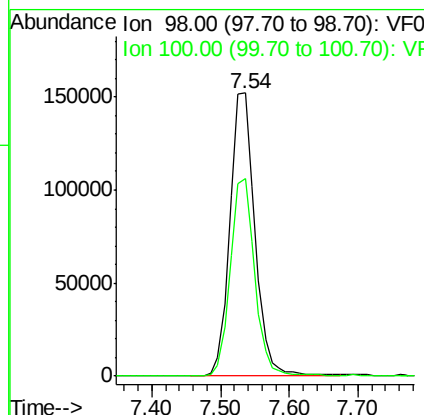
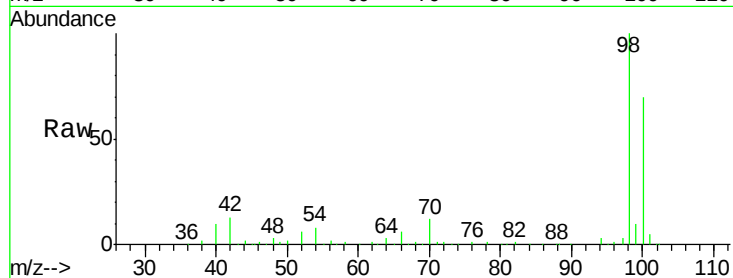




#50
Toluene-d8
Concen: 43.966 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF062033.D
Acq: 20 Mar 2019 11:44

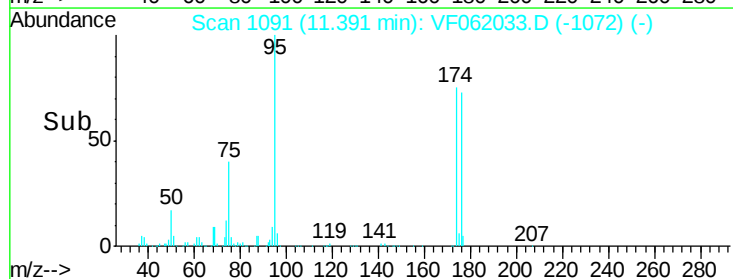
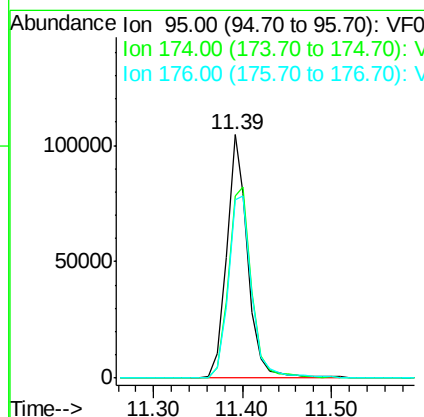
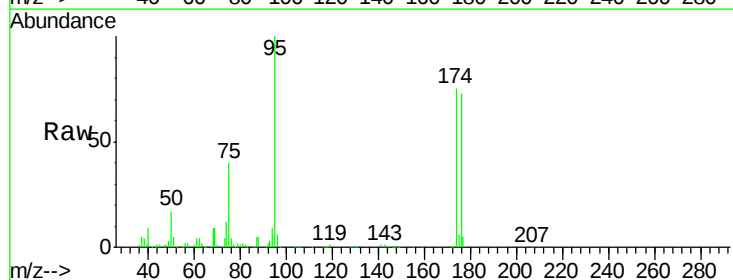
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBL01

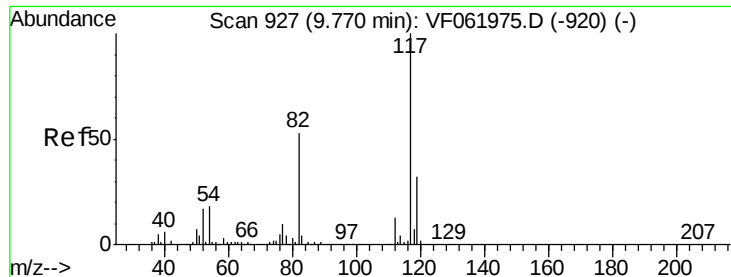
Tot Ion: 98 Resp: 382869
Ion Ratio Lower Upper
98 100
100 69.7 56.8 85.2



#62
4-Bromofluorobenzene
Concen: 50.607 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF062033.D
Acq: 20 Mar 2019 11:44

Tgt Ion: 95 Resp: 175072
Ion Ratio Lower Upper
95 100
174 74.9 0.0 149.4
176 73.4 0.0 143.4

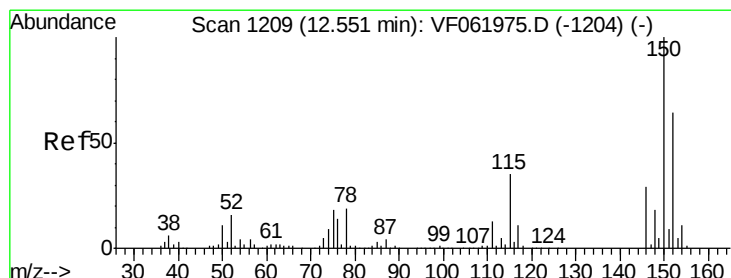
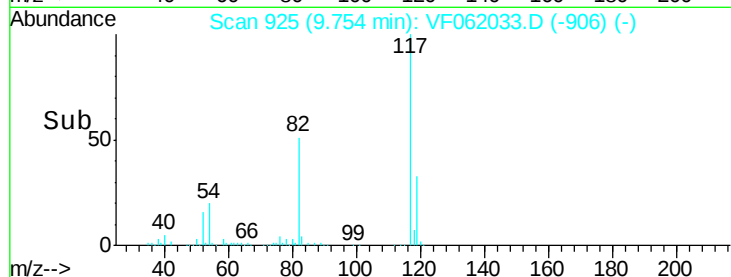
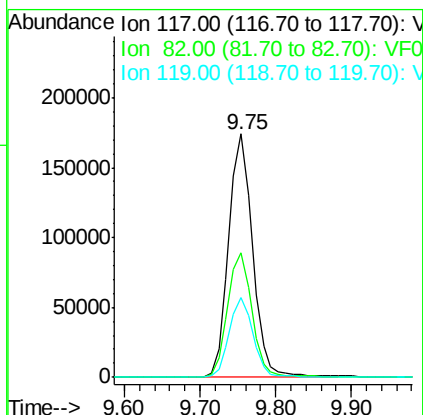
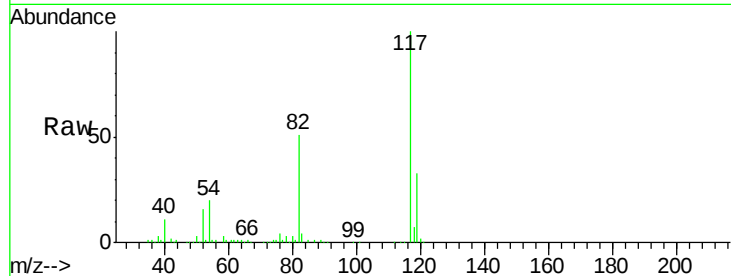




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062033.D
Acq: 20 Mar 2019 11:44

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBL01

Tot Ion:117 Resp: 383541
Ion Ratio Lower Upper
117 100
82 51.3 42.5 63.7
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF062033.D
Acq: 20 Mar 2019 11:44

Tgt Ion:152 Resp: 223696
Ion Ratio Lower Upper
152 100
115 54.9 27.3 81.9
150 155.1 0.0 316.2

