

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062113.D
 Acq On : 23 Mar 2019 13:09
 Operator : VA/AP
 Sample : VF0323SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0323SBL01

Quant Time: Mar 25 03:58:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	267590	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	390009	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	336828	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	195334	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	96424	48.45	ug/l	-0.03
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	4.11	113	136639	51.79	ug/l	-0.03
Spiked Amount			Recovery	=	103.58%	
50) Toluene-d8	7.56	98	382419	48.56	ug/l	-0.03
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.41	95	152346	50.11	ug/l	-0.03
Spiked Amount			Recovery	=	100.22%	

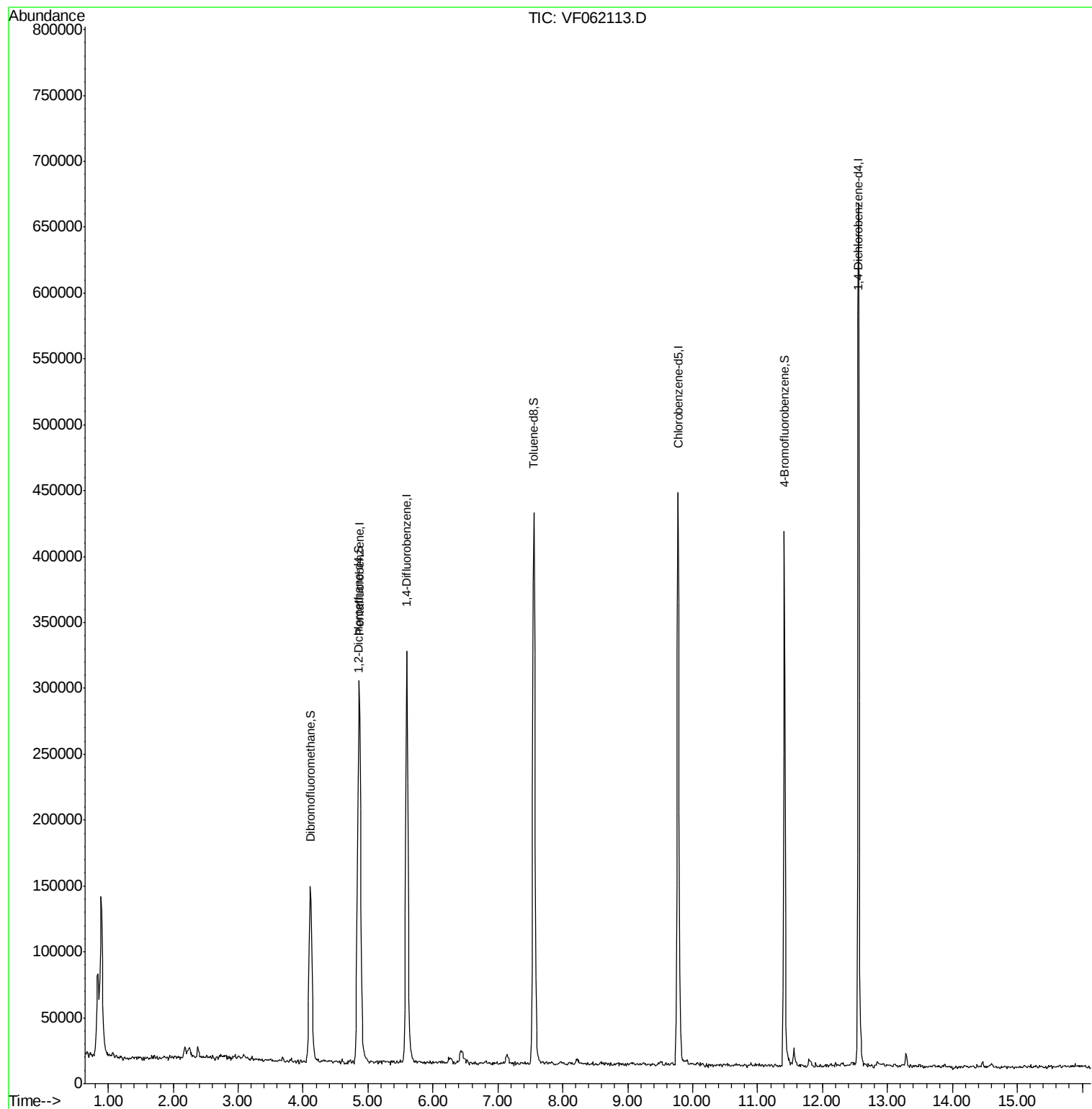
Target Compounds	Qvalue
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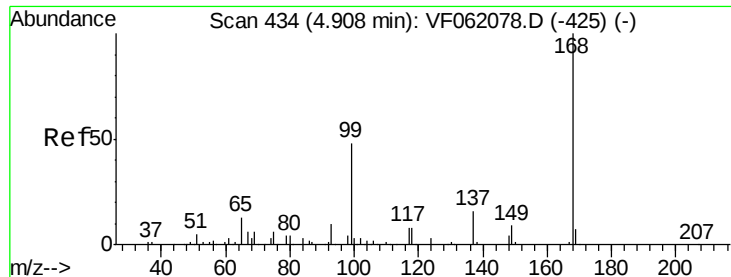
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.03 min

Lab File: VF062113.D

Acq: 23 Mar 2019 13:09

Instrument :

MSVOA_F

ClientSampleId :

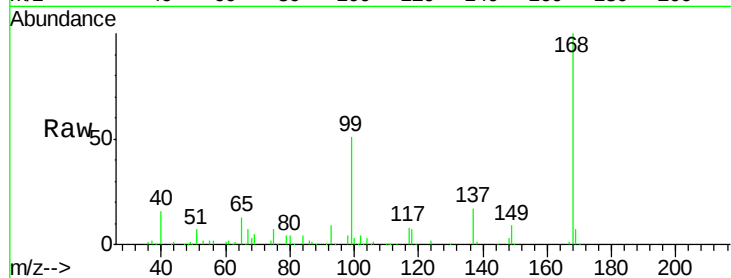
VF0323SBL01

Tot Ion:168 Resp: 267590

Ion Ratio Lower Upper

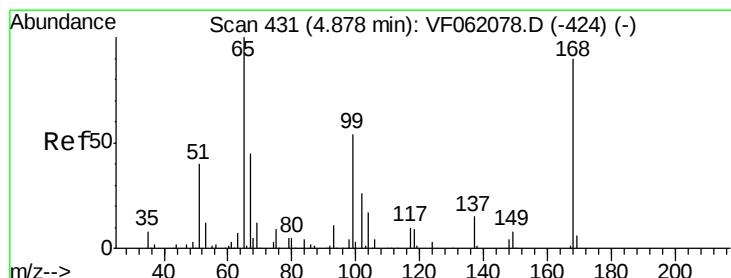
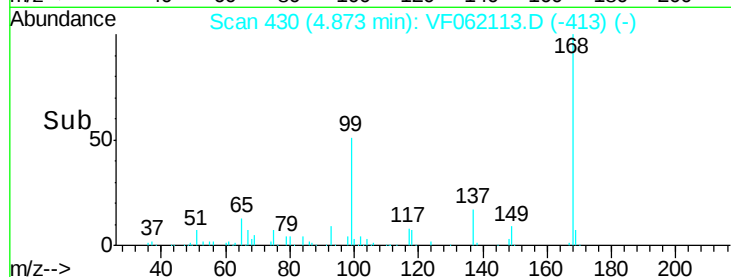
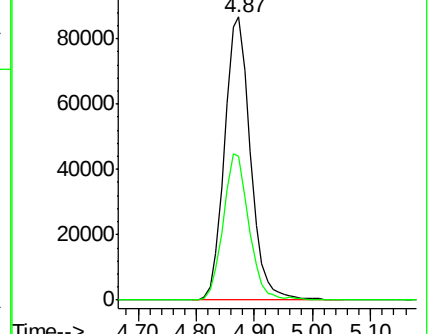
168 100

99 50.9 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 48.45 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF062113.D

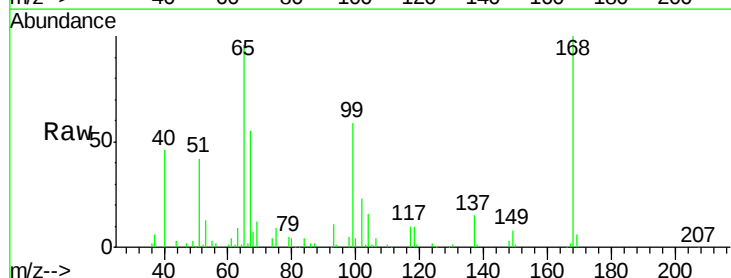
Acq: 23 Mar 2019 13:09

Tgt Ion: 65 Resp: 96424

Ion Ratio Lower Upper

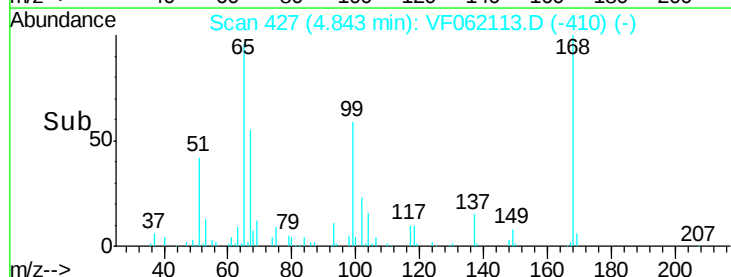
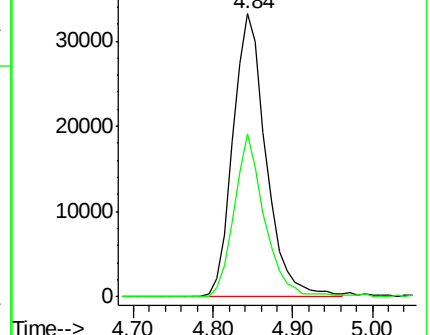
65 100

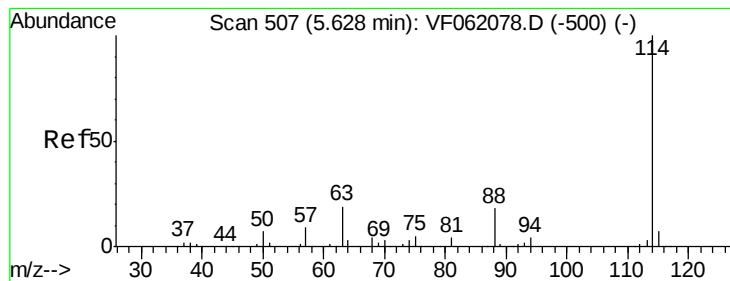
67 57.6 0.0 106.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.03 min

Lab File: VF062113.D

Acq: 23 Mar 2019 13:09

Instrument :

MSVOA_F

ClientSampleId :

VF0323SBL01

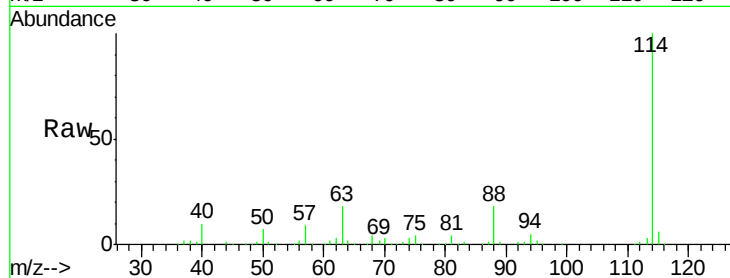
Tot Ion:114 Resp: 390009

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.8

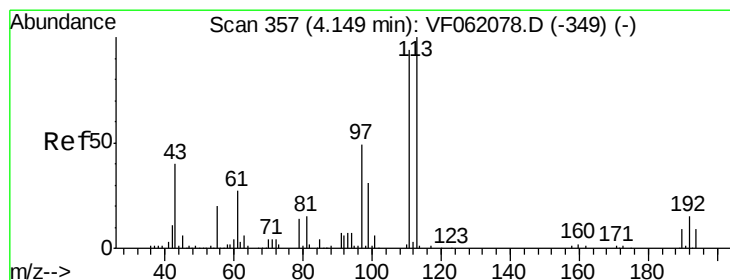
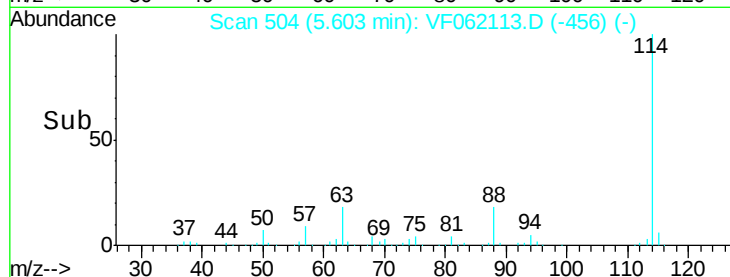
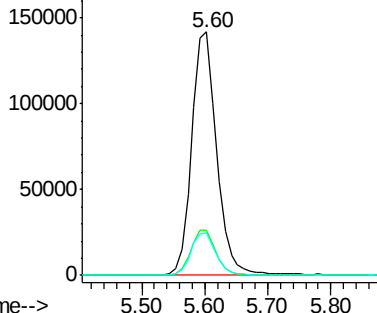
88 17.6 0.0 36.4



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: 51.79 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.03 min

Lab File: VF062113.D

Acq: 23 Mar 2019 13:09

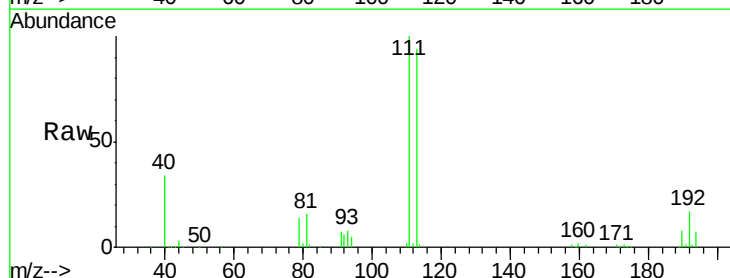
Tgt Ion:113 Resp: 136639

Ion Ratio Lower Upper

113 100

111 106.9 75.4 113.0

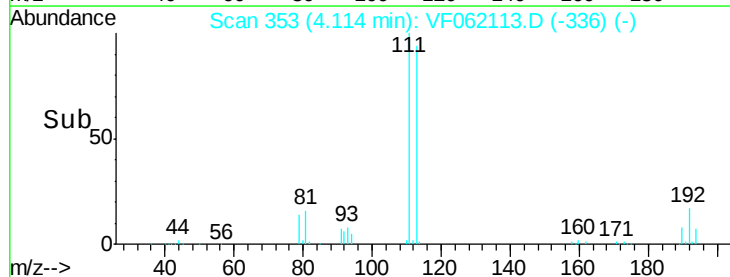
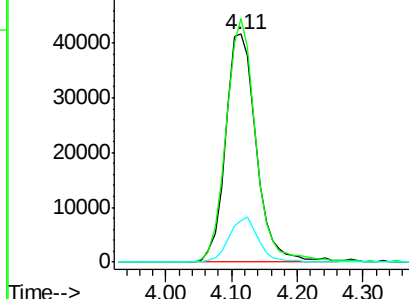
192 19.0 12.3 18.5#

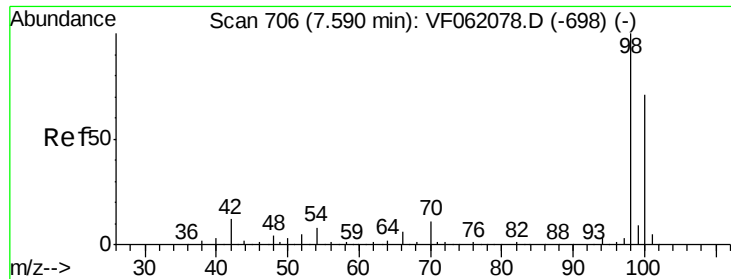


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

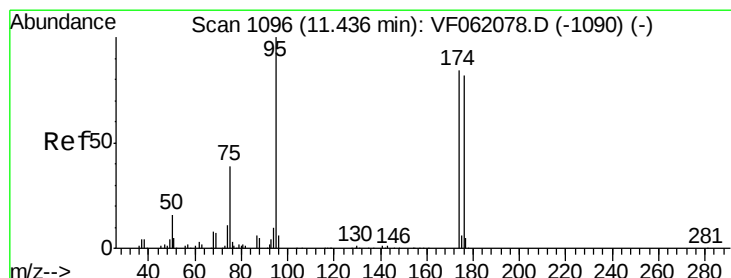
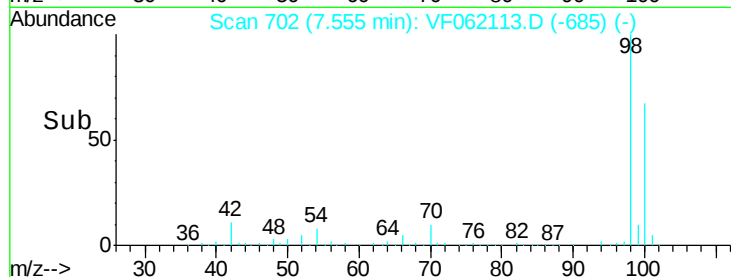
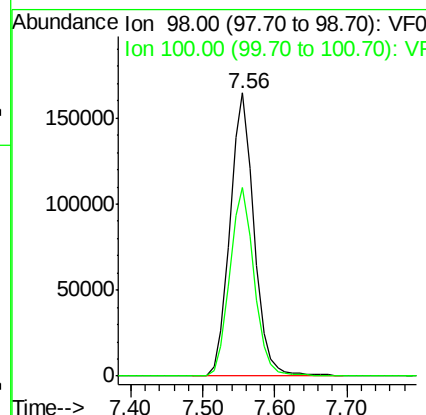
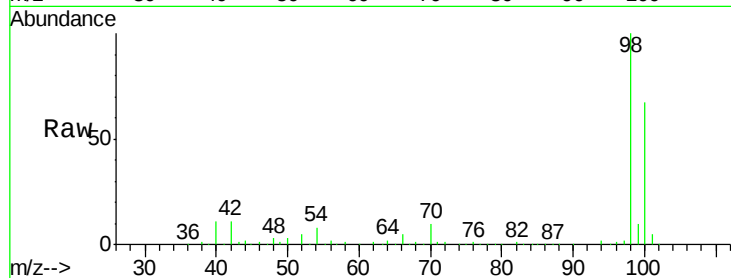




#50
Toluene-d8
Concen: 48.56 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.03 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

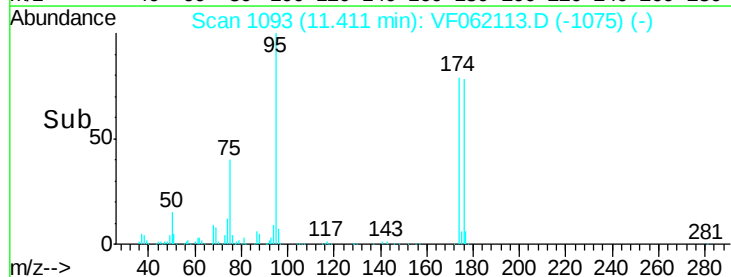
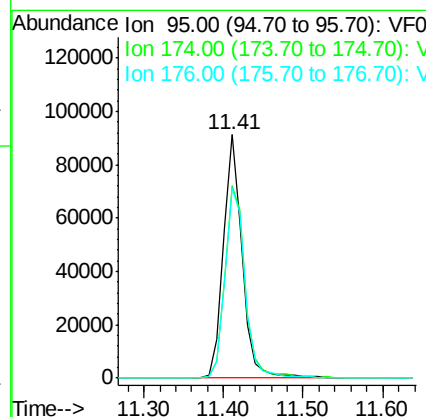
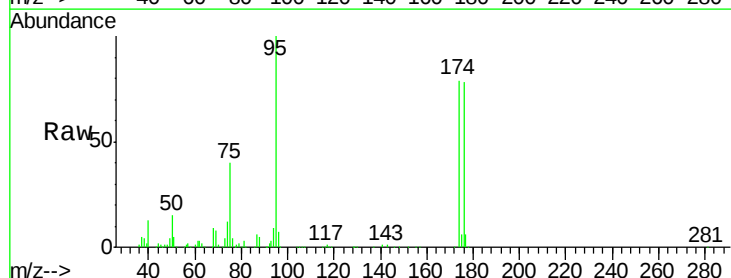
Instrument :
MSVOA_F
ClientSampleId :
VF0323SBL01

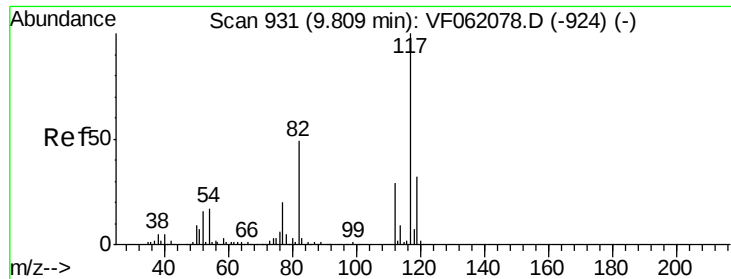
Tot Ion: 98 Resp: 382419
Ion Ratio Lower Upper
98 100
100 66.6 57.0 85.6



#62
4-Bromofluorobenzene
Concen: 50.11 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

Tgt Ion: 95 Resp: 152346
Ion Ratio Lower Upper
95 100
174 79.0 0.0 168.2
176 78.0 0.0 164.2

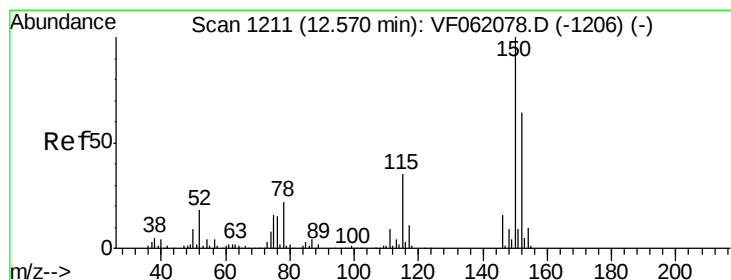
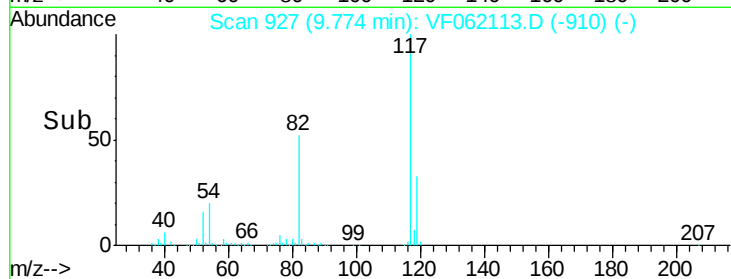
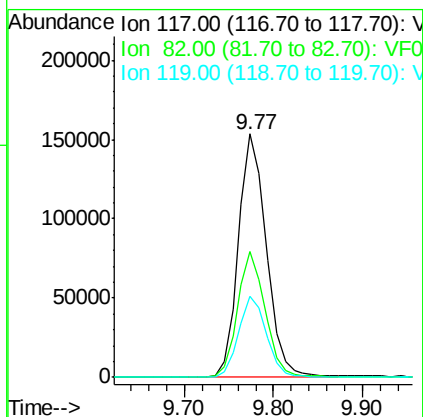
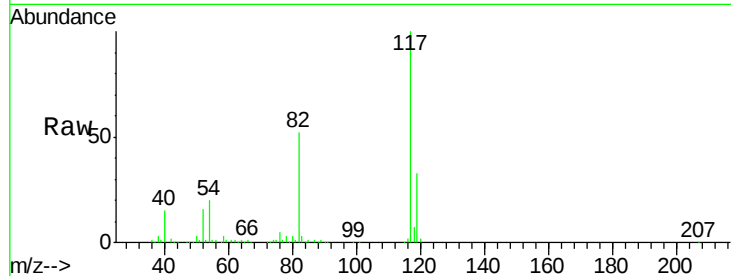




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

Instrument :
MSVOA_F
ClientSampleId :
VF0323SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	39.2	58.8
119	33.1	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.9	27.7	83.1
150	151.9	0.0	313.2

