

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF060997.D
 Acq On : 12 Dec 2018 15:46
 Operator : VA/AP
 Sample : VF1212SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1212SBL01

Quant Time: Dec 13 02:25:23 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	4.86	168	186648	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	312206	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	294373	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	168659	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	127094	57.80	ug/l	-0.05
Spiked Amount			Recovery	=	115.60%	
35) Dibromofluoromethane	4.10	113	136411	55.08	ug/l	-0.05
Spiked Amount			Recovery	=	110.16%	
50) Toluene-d8	7.54	98	359511	49.28	ug/l	-0.05
Spiked Amount			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.41	95	176232	53.15	ug/l	-0.03
Spiked Amount			Recovery	=	106.30%	

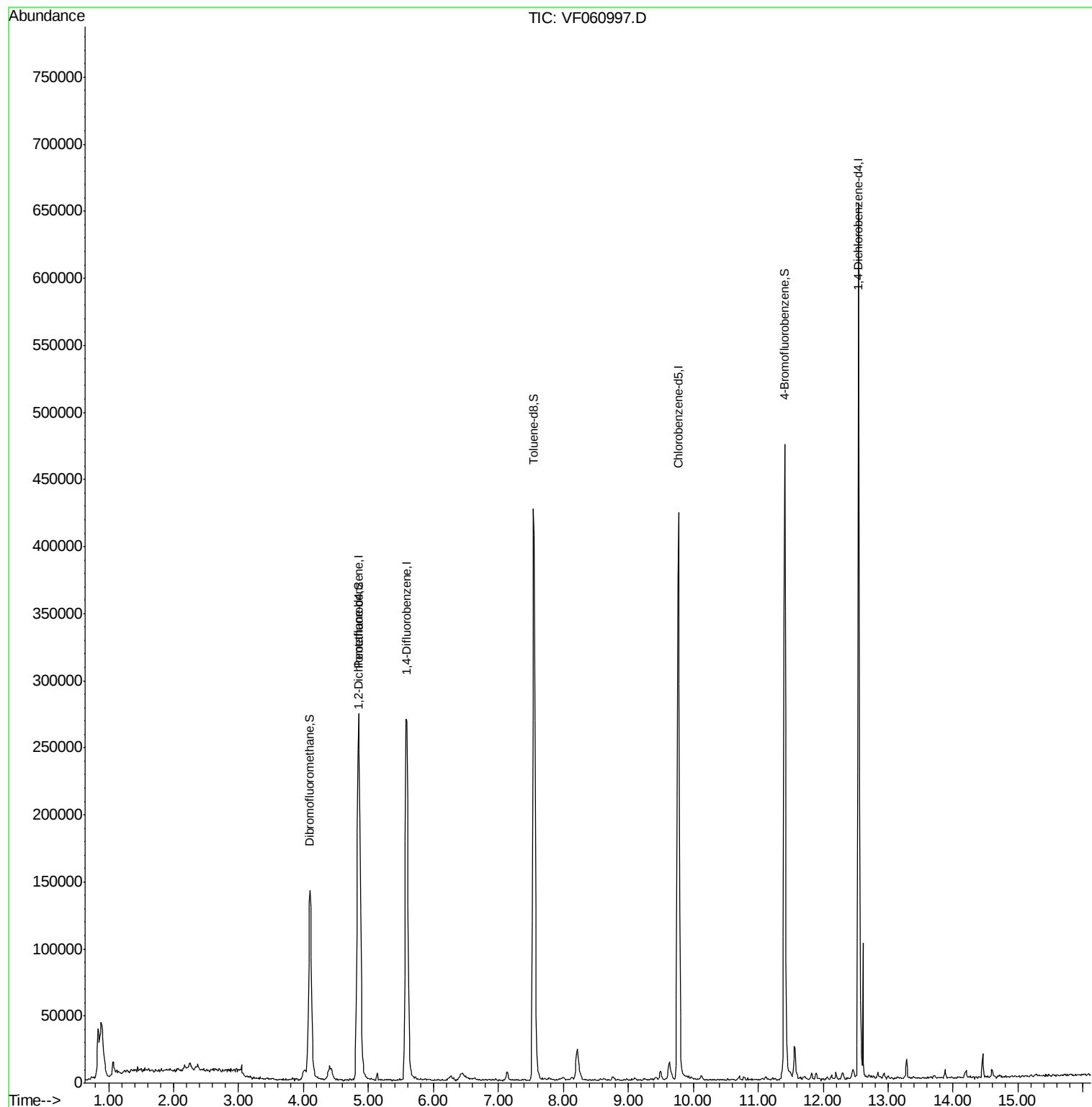
Target Compounds	Qvalue
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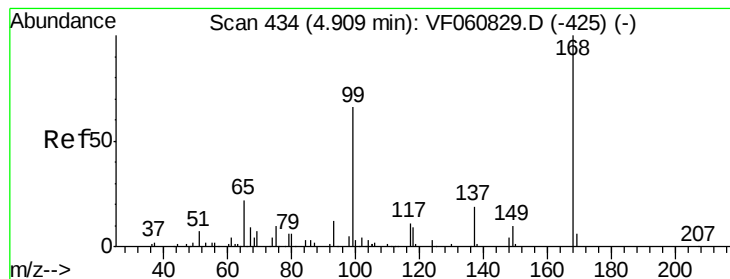
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121218\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF060997.D

Acq: 12 Dec 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

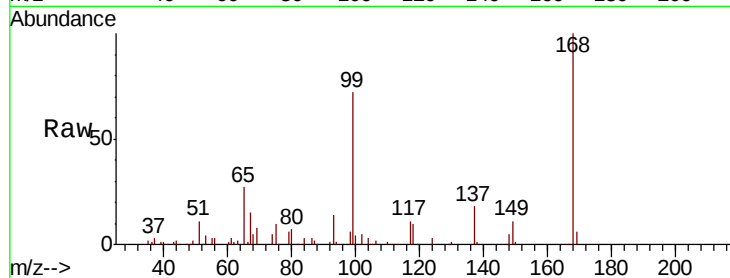
VF1212SBL01

Tot Ion:168 Resp: 186648

Ion Ratio Lower Upper

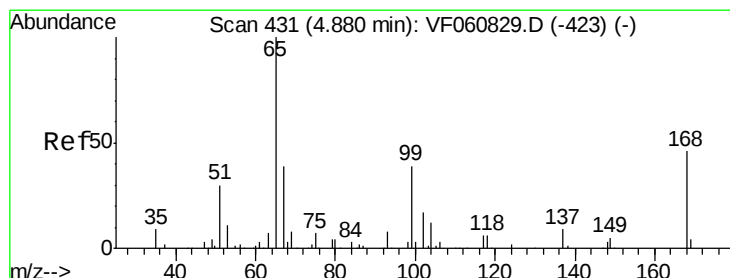
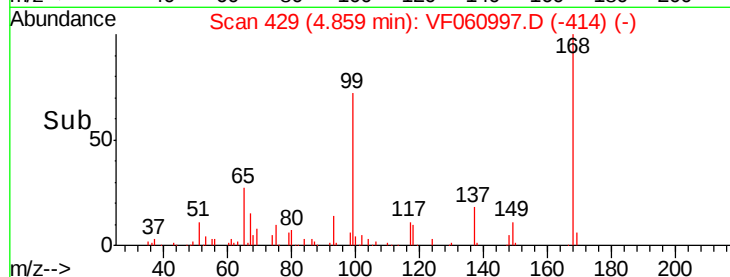
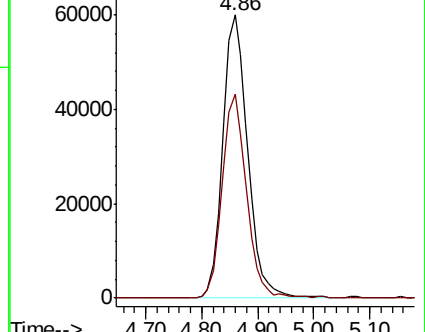
168 100

99 72.0 52.6 79.0



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: 57.802 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF060997.D

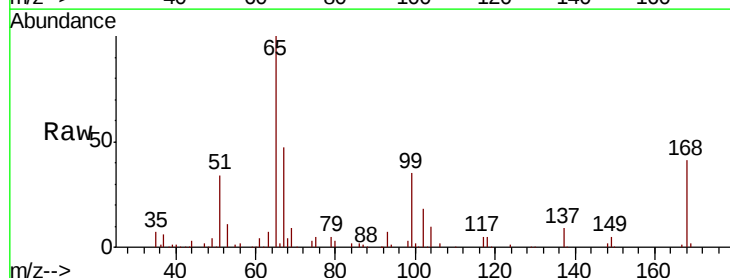
Acq: 12 Dec 2018 15:46

Tgt Ion: 65 Resp: 127094

Ion Ratio Lower Upper

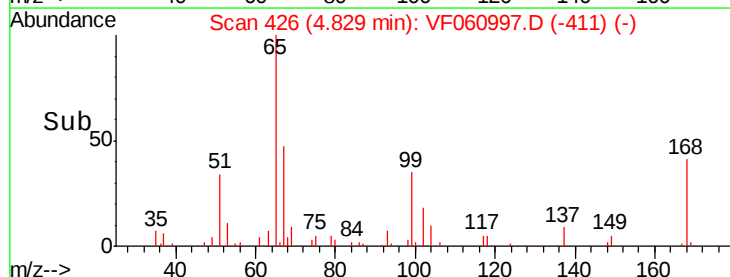
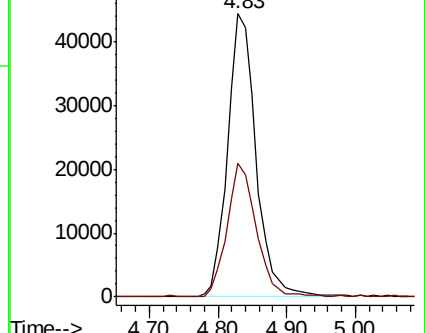
65 100

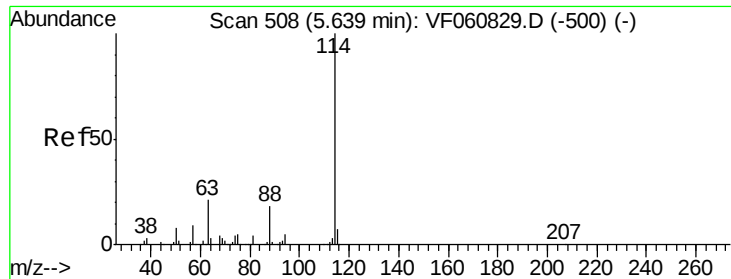
67 47.1 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF060997.D

Acq: 12 Dec 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VF1212SBL01

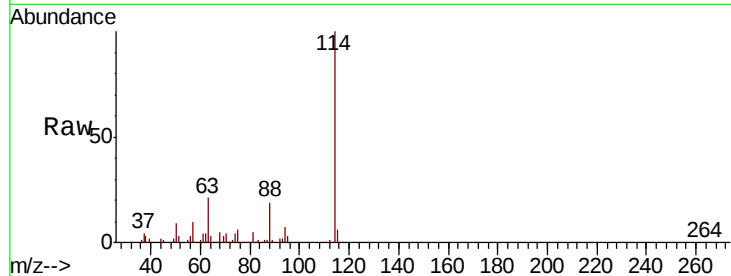
Tot Ion:114 Resp: 312206

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.6

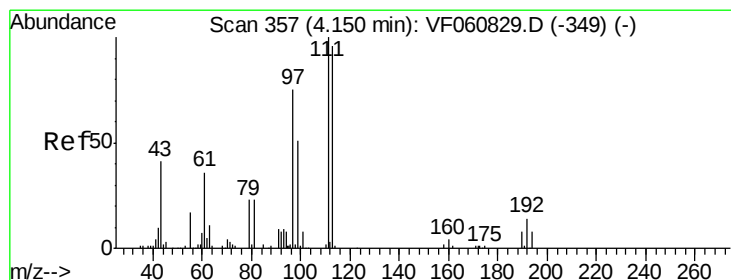
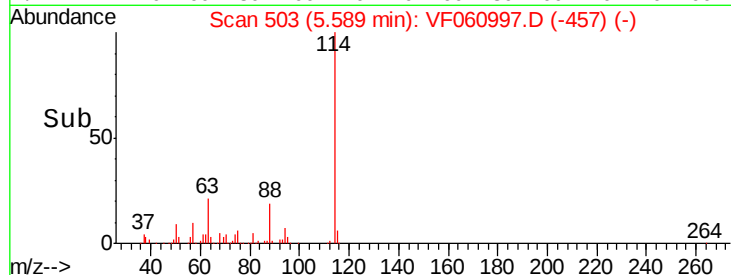
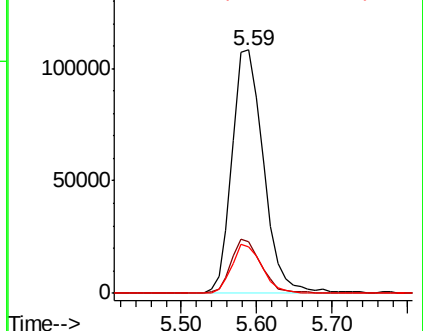
88 19.3 0.0 36.6



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: 55.075 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF060997.D

Acq: 12 Dec 2018 15:46

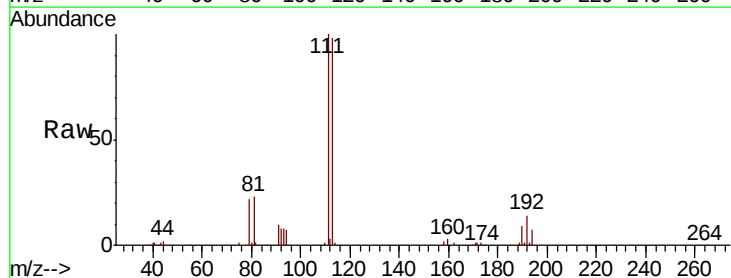
Tgt Ion:113 Resp: 136411

Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.6

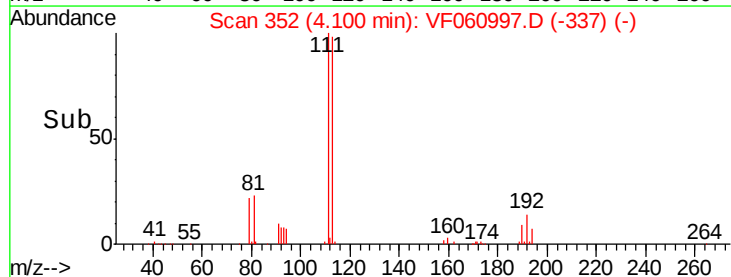
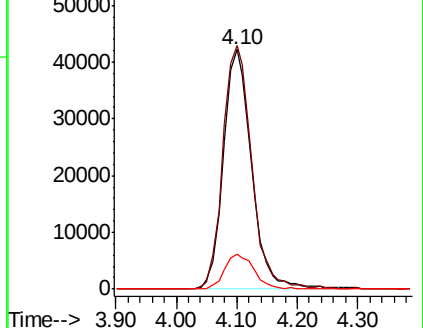
192 14.4 12.3 18.5

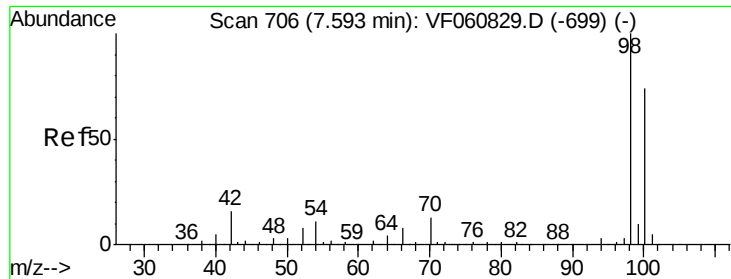


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 49.275 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.05 min

Lab File: VF060997.D

Acq: 12 Dec 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

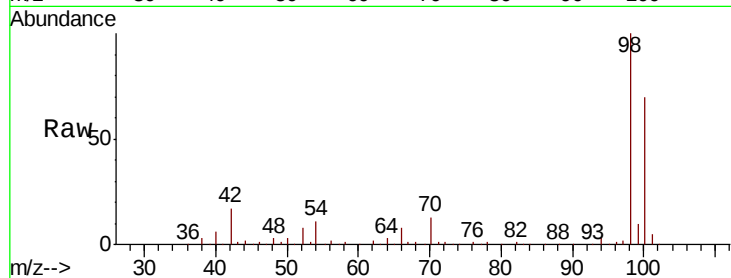
VF1212SBL01

Tot Ion: 98 Resp: 359511

Ion Ratio Lower Upper

98 100

100 69.7 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

150000

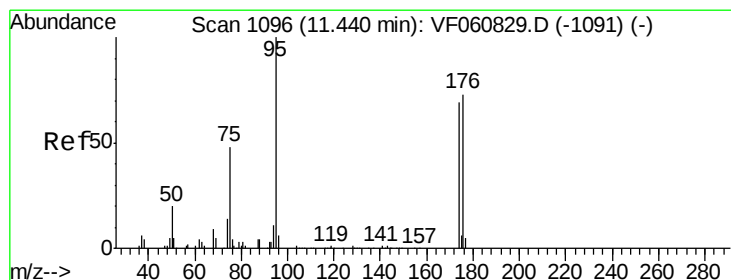
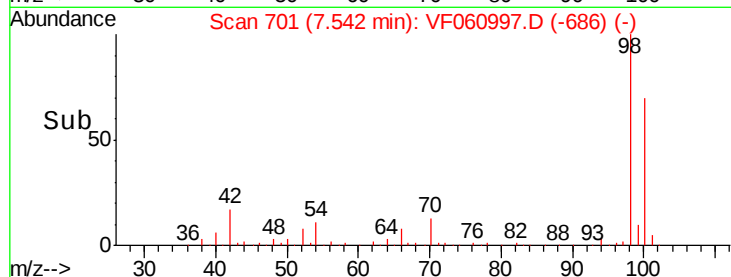
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 53.148 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060997.D

Acq: 12 Dec 2018 15:46

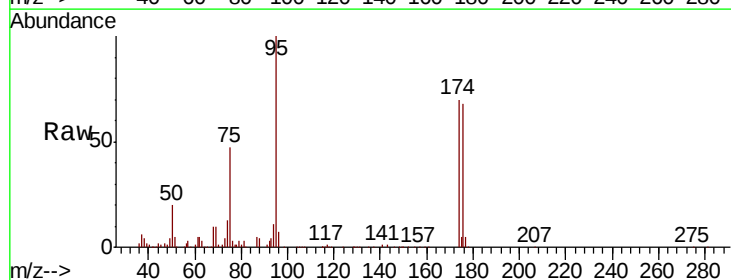
Tgt Ion: 95 Resp: 176232

Ion Ratio Lower Upper

95 100

174 69.8 0.0 138.2

176 68.1 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

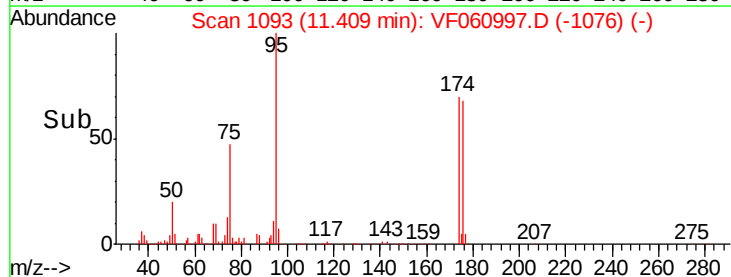
100000

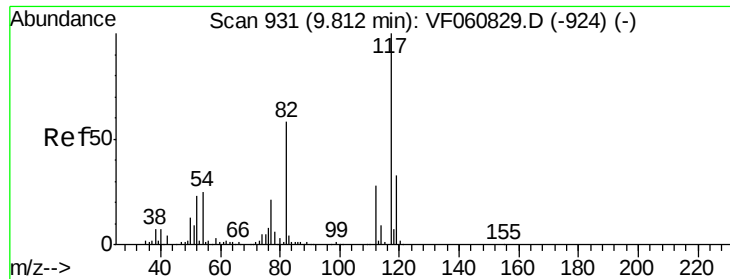
50000

0

11.30 11.40 11.50

Time-->

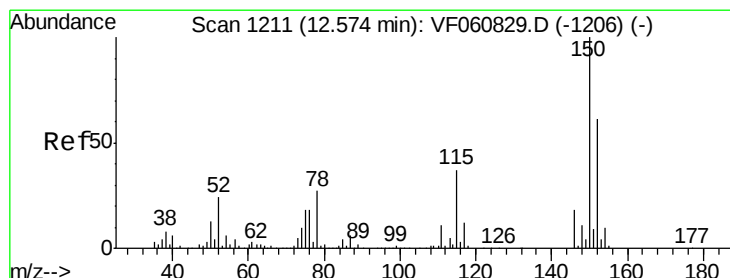
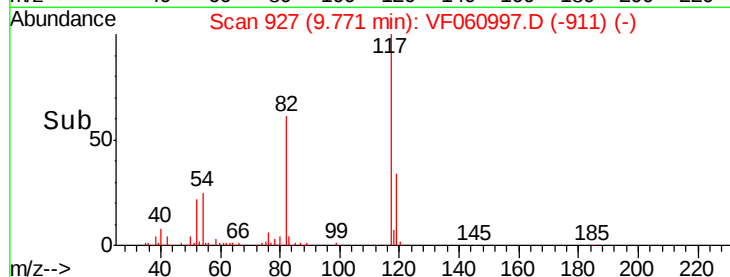
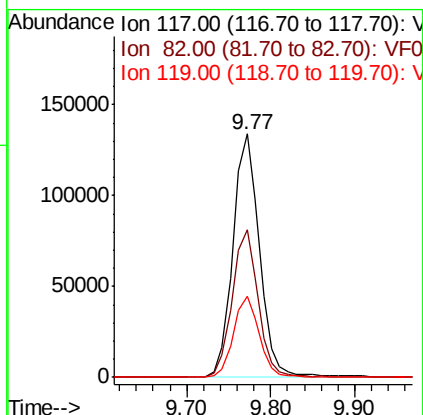
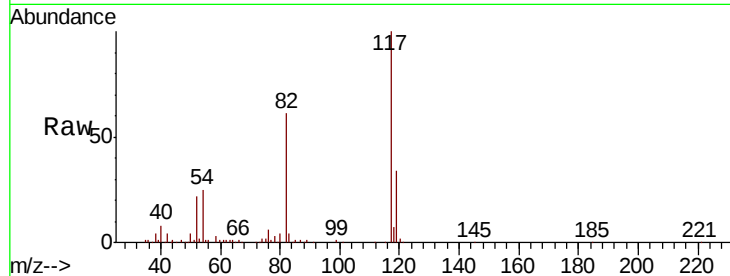




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060997.D
Acq: 12 Dec 2018 15:46

Instrument :
MSVOA_F
ClientSampleId :
VF1212SBL01

Tot Ion:117 Resp: 294373
Ion Ratio Lower Upper
117 100
82 60.8 46.6 69.8
119 33.5 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060997.D
Acq: 12 Dec 2018 15:46

Tgt Ion:152 Resp: 168659
Ion Ratio Lower Upper
152 100
115 54.7 30.1 90.5
150 154.8 0.0 327.6

