

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD111318\
 Data File : VD060354.D
 Acq On : 13 Nov 2018 11:32
 Operator : JC/SY
 Sample : VD1113SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 14 12:33:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1680992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2230655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1819054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	913689	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	575395	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	6.34	113	814712	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	9.47	98	2401559	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.44	95	858275	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

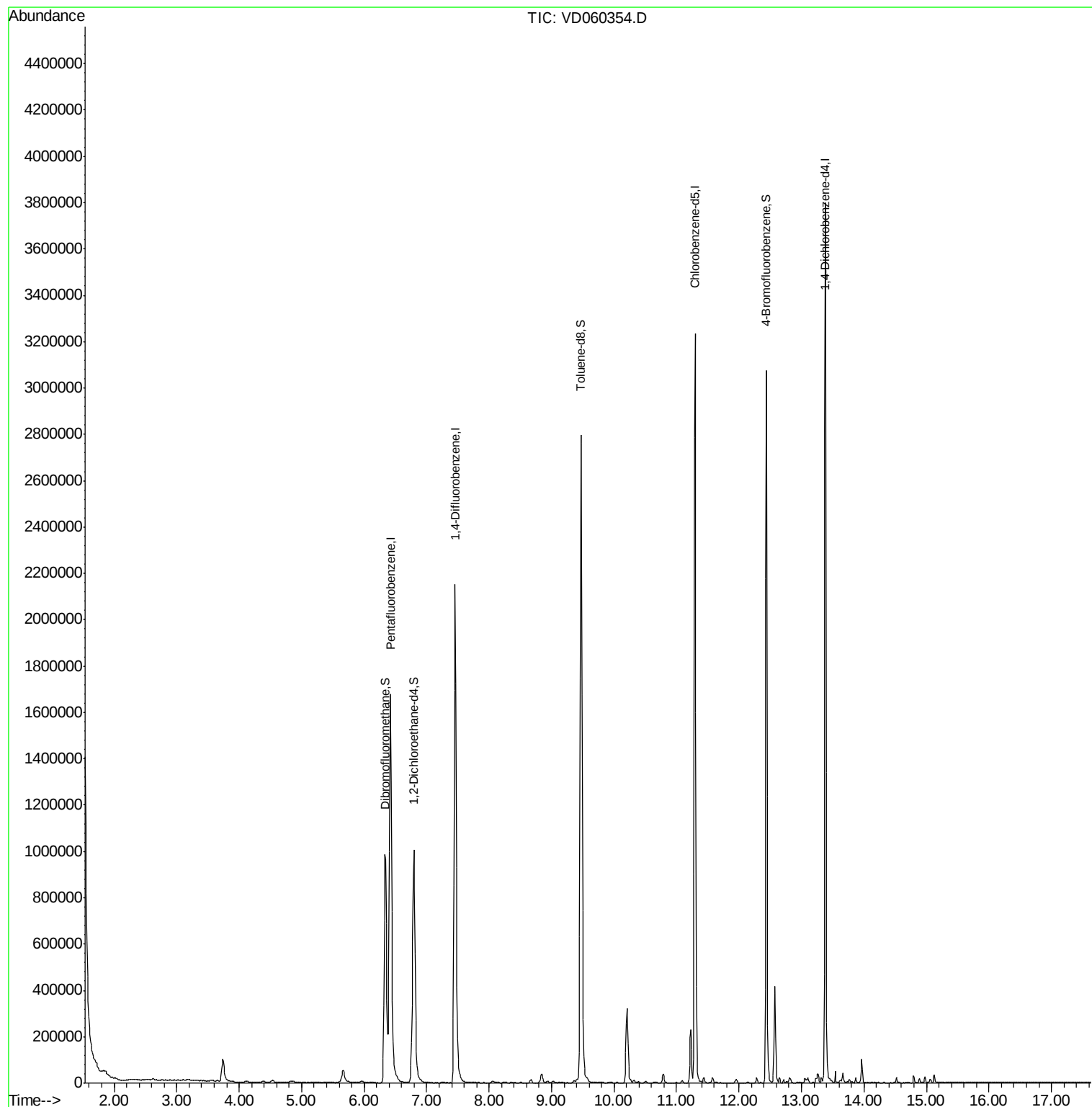
Target Compounds	Qvalue

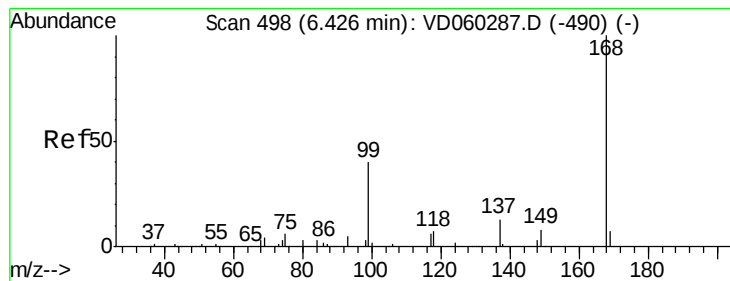
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060354.D

Acq: 13 Nov 2018 11:32

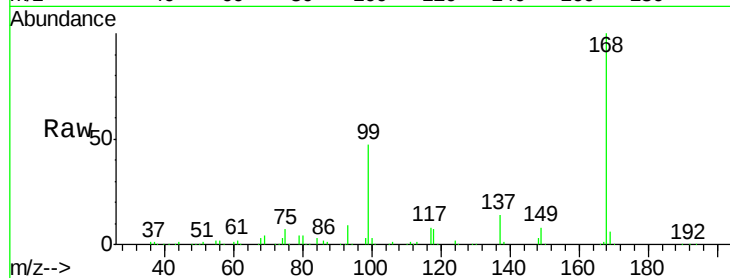
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 1680992

Ion Ratio Lower Upper

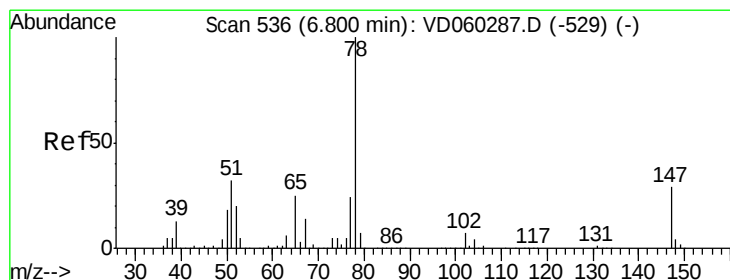
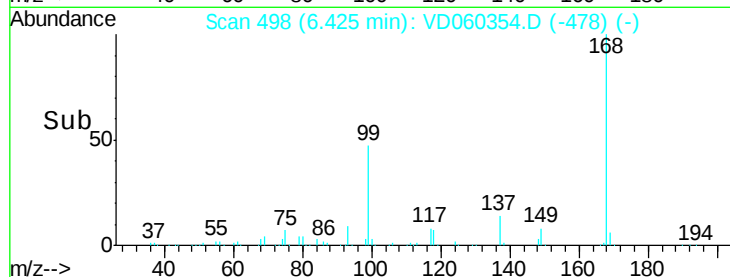
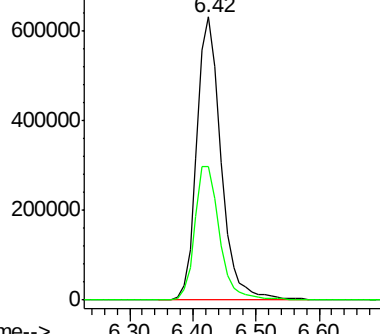
168 100

99 47.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.95 (98.65 to 99.65): VD



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060354.D

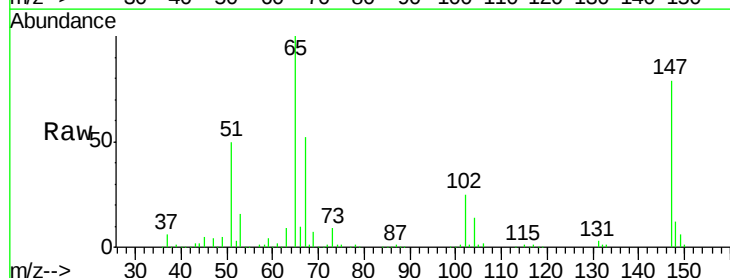
Acq: 13 Nov 2018 11:32

Tgt Ion: 65 Resp: 575395

Ion Ratio Lower Upper

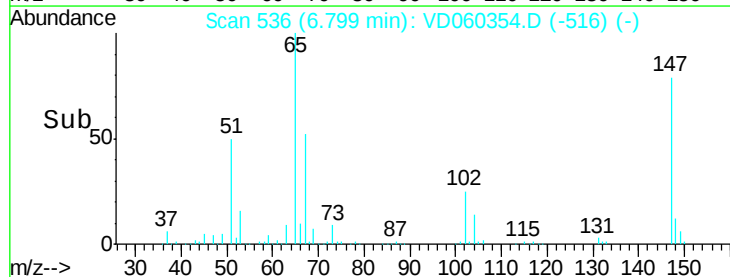
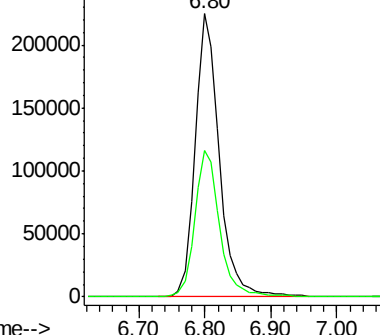
65 100

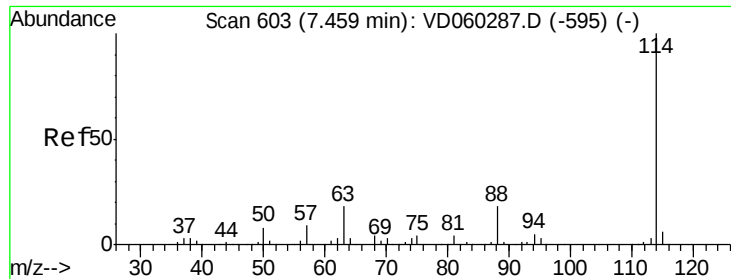
67 51.8 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VD

Ion 66.90 (66.60 to 67.60): VD

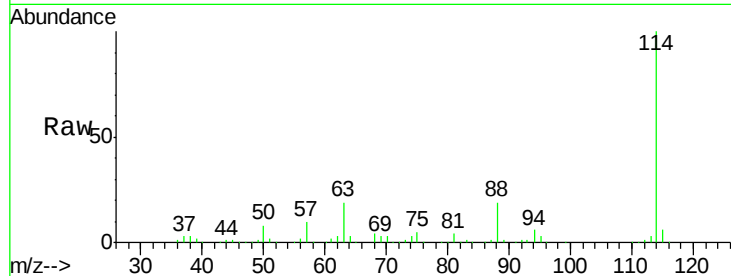




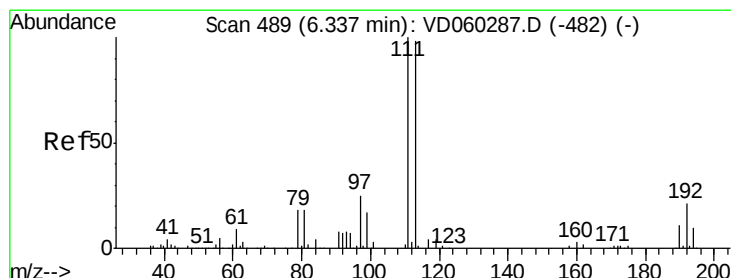
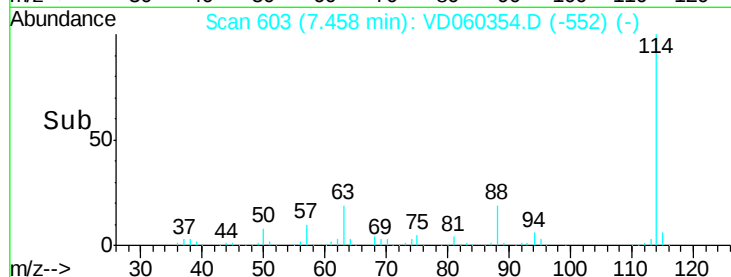
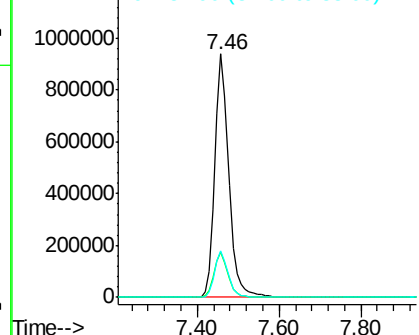
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VD060354.D
 Acq: 13 Nov 2018 11:32

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:114 Resp: 2230655
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.0
 88 19.0 0.0 35.4

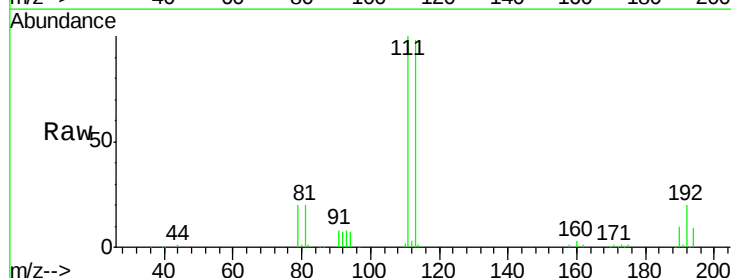


Abundance Ion 114.00 (113.70 to 114.70):
 Ion 62.95 (62.65 to 63.65): VD
 Ion 87.90 (87.60 to 88.60): VD

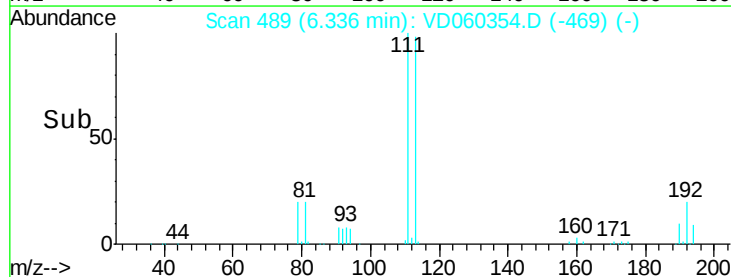
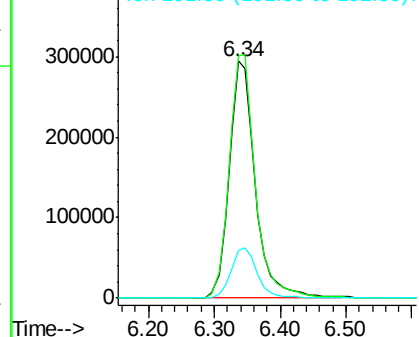


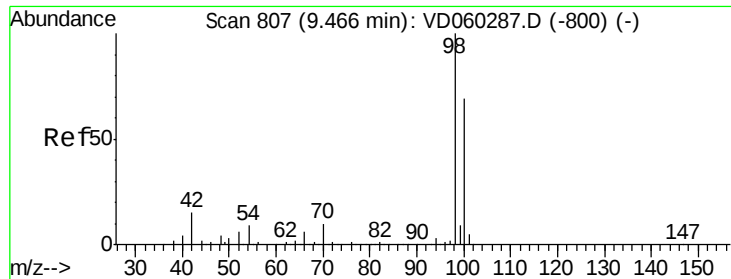
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VD060354.D
 Acq: 13 Nov 2018 11:32

Tgt Ion:113 Resp: 814712
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.6 122.4
 192 20.3 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60):
 Ion 110.90 (110.60 to 111.60):
 Ion 191.80 (191.50 to 192.50):





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060354.D

Acq: 13 Nov 2018 11:32

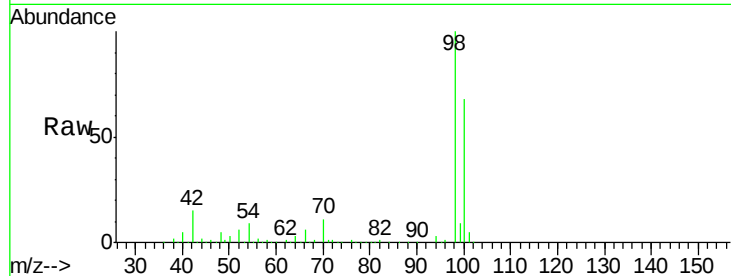
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 2401559

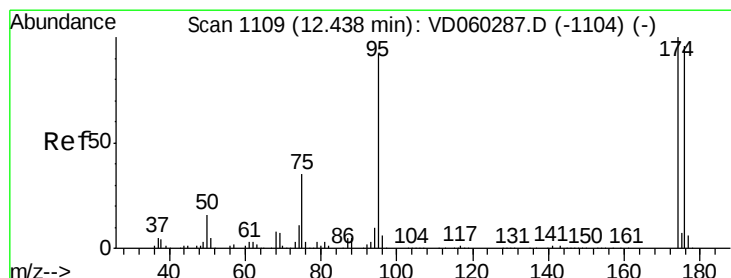
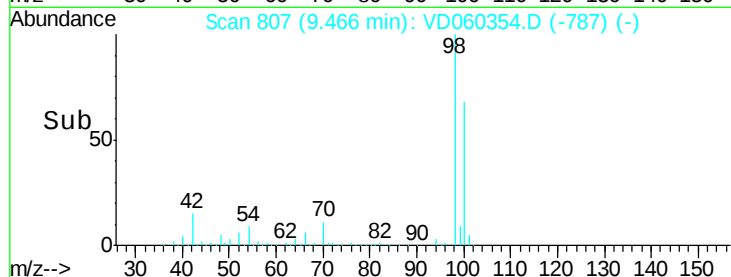
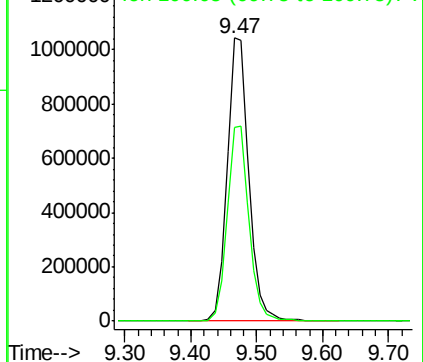
Ion Ratio Lower Upper

98 100

100 68.4 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VD
Ion 100.05 (99.75 to 100.75): V



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060354.D

Acq: 13 Nov 2018 11:32

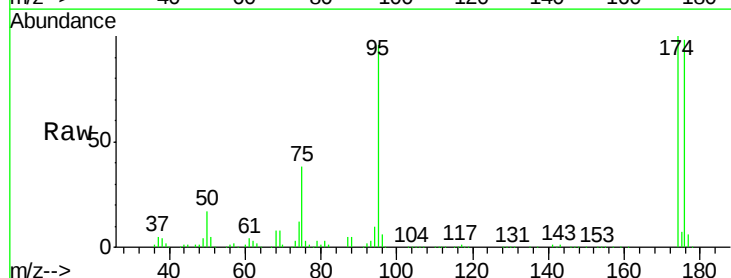
Tgt Ion: 95 Resp: 858275

Ion Ratio Lower Upper

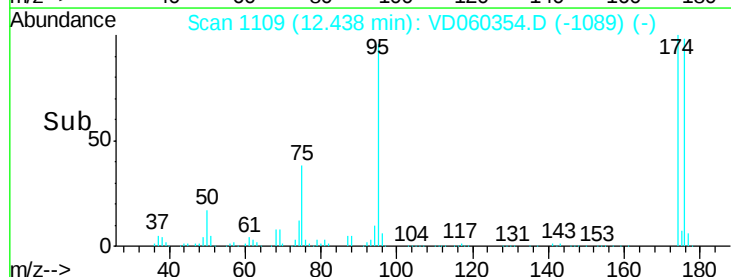
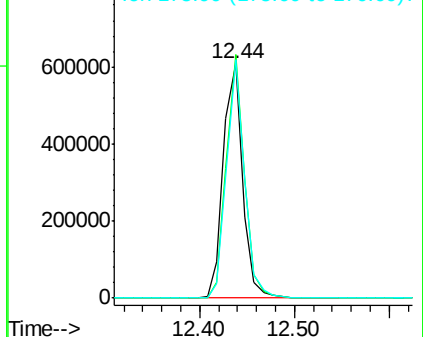
95 100

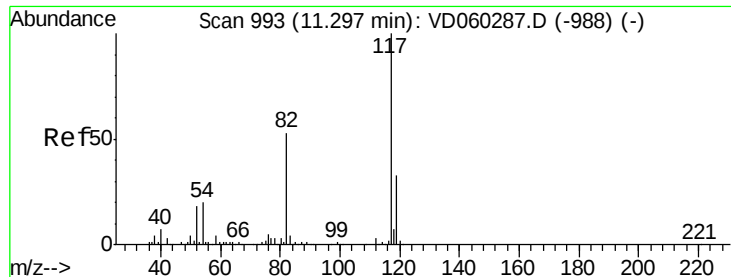
174 104.0 0.0 160.8

176 101.9 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): VD
Ion 173.90 (173.60 to 174.60):
Ion 175.90 (175.60 to 176.60):

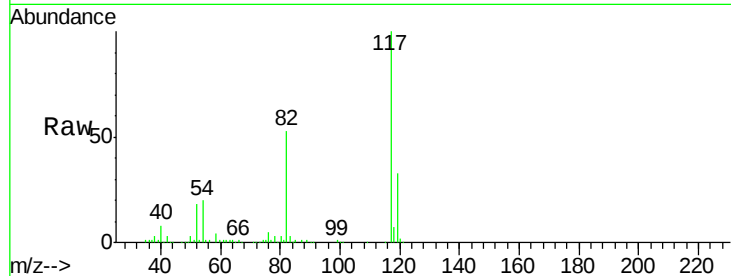




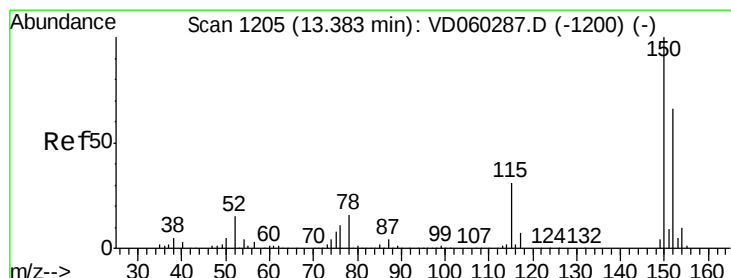
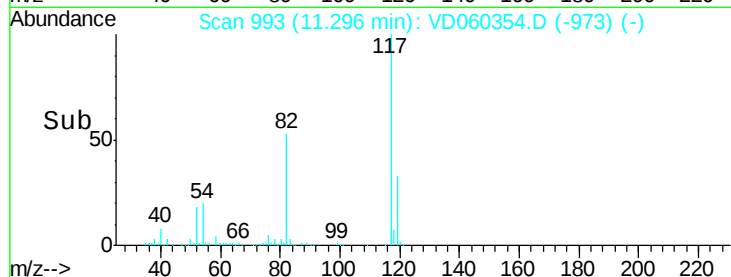
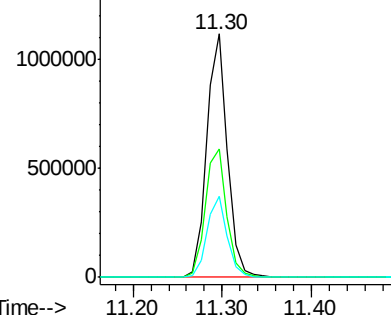
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060354.D
Acq: 13 Nov 2018 11:32

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 1819054
Ion Ratio Lower Upper
117 100
82 52.6 43.7 65.5
119 33.2 26.1 39.1

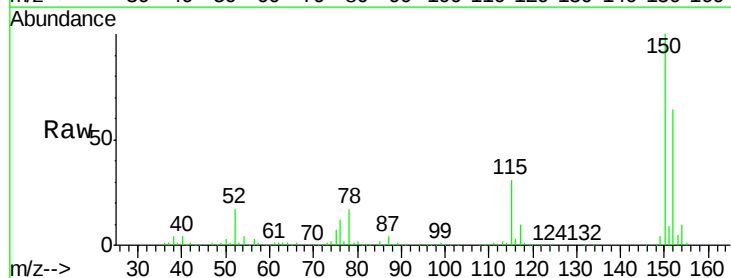


Abundance Ion 116.95 (116.65 to 117.65):
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65):



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060354.D
Acq: 13 Nov 2018 11:32

Tgt Ion:152 Resp: 913689
Ion Ratio Lower Upper
152 100
115 48.0 24.1 72.3
150 156.4 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60):
Ion 115.00 (114.70 to 115.70):
Ion 149.90 (149.60 to 150.60):

