

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030619\
 Data File : VD060960.D
 Acq On : 6 Mar 2019 12:39
 Operator : VA/AP
 Sample : VD0306SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBL01

Quant Time: Mar 07 05:59:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	825359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1404567	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1147877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	535546	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	342701	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
35) Dibromofluoromethane	6.93	113	535469	47.55	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	10.41	98	1324159	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
62) 4-Bromofluorobenzene	13.56	95	499197	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	

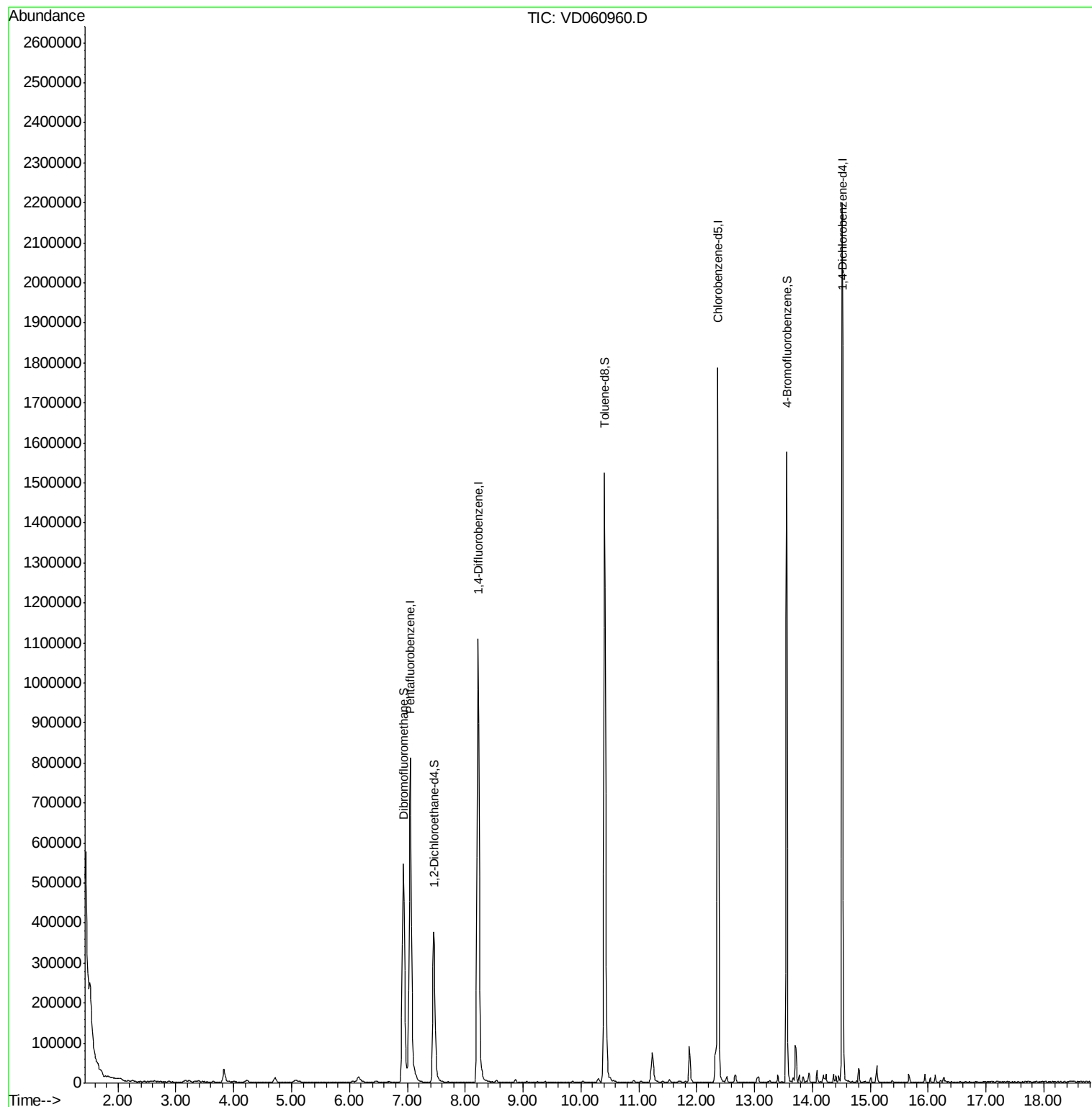
Target Compounds	Qvalue

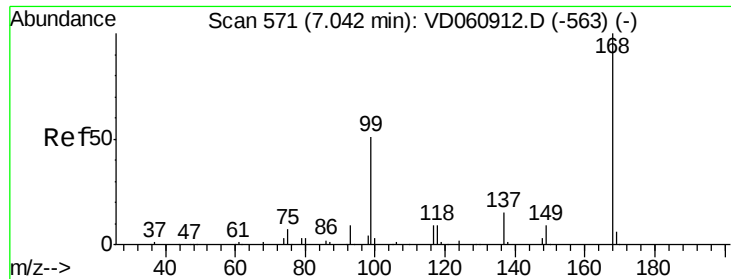
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD060960.D

Acq: 6 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

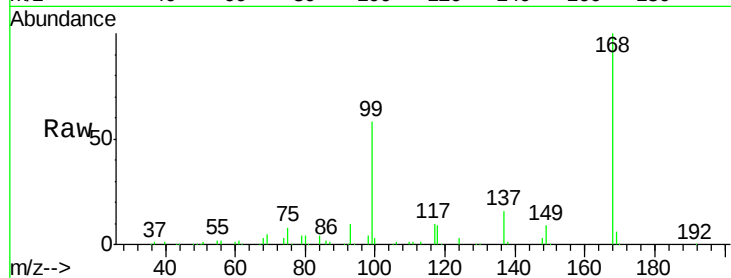
VD0306SBL01

Tot Ion:168 Resp: 825359

Ion Ratio Lower Upper

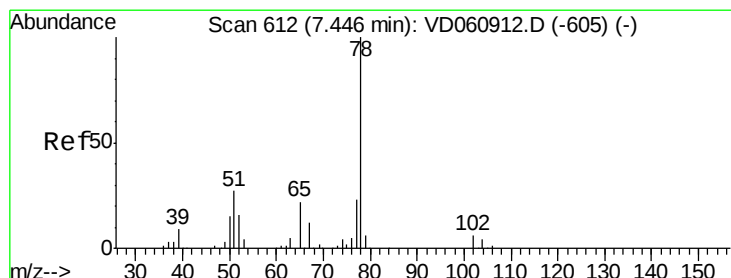
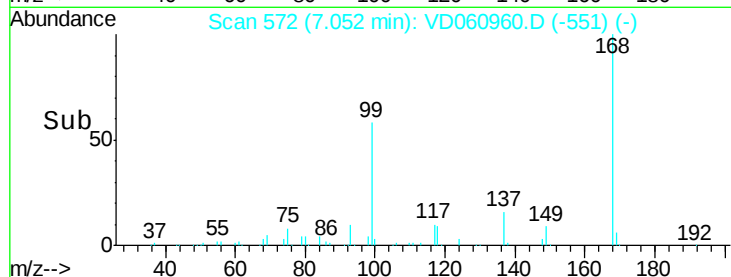
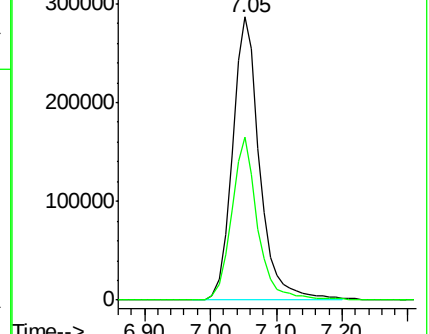
168 100

99 57.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060960.D

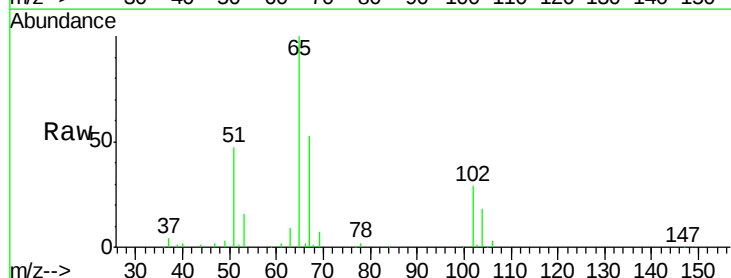
Acq: 6 Mar 2019 12:39

Tgt Ion: 65 Resp: 342701

Ion Ratio Lower Upper

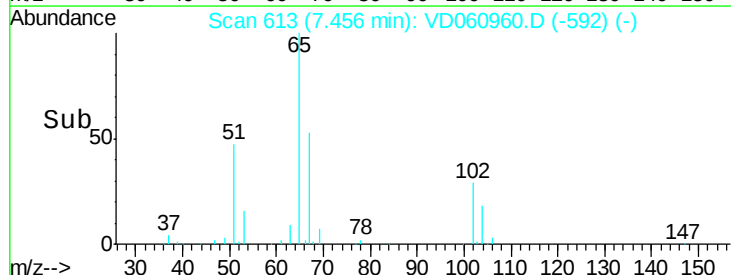
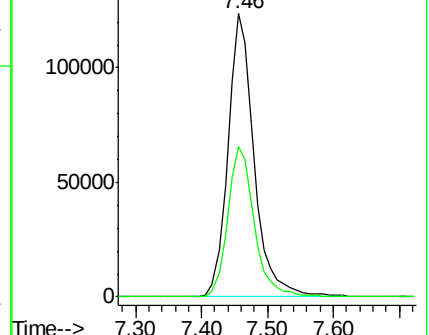
65 100

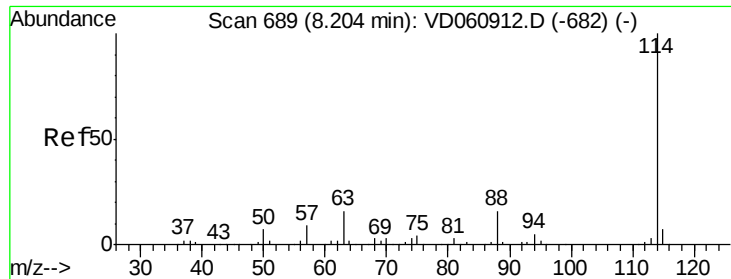
67 53.2 0.0 109.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

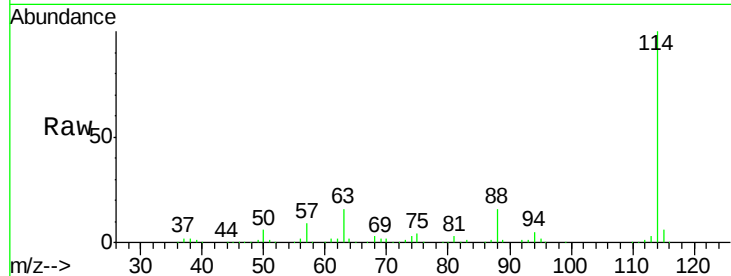




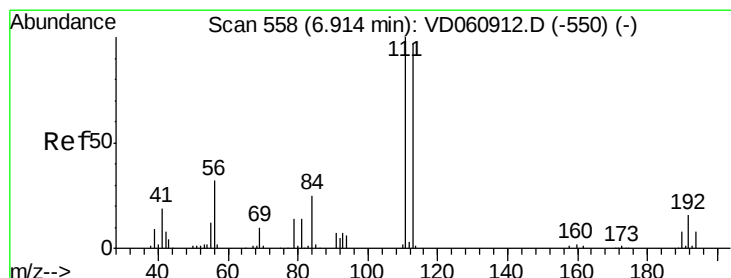
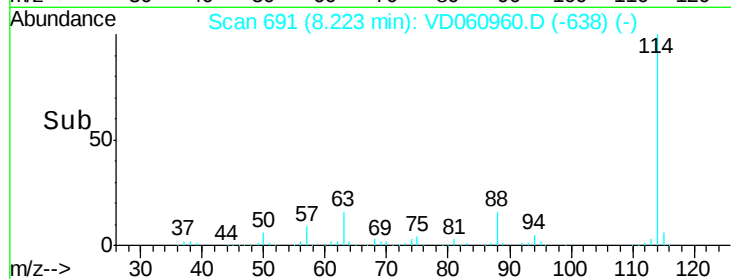
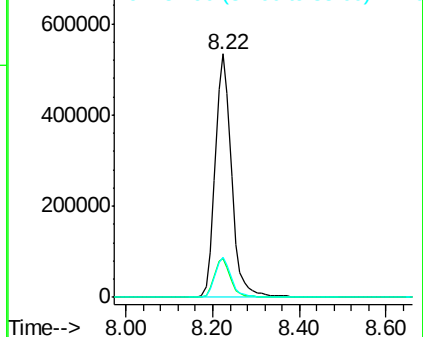
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD060960.D
 Acq: 6 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBL01

Tot Ion:114 Resp: 1404567
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 32.0
 88 16.4 0.0 32.8

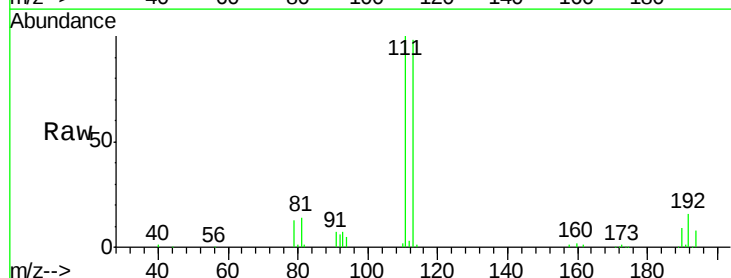


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

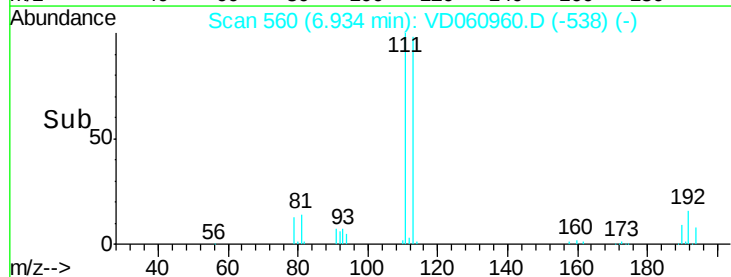
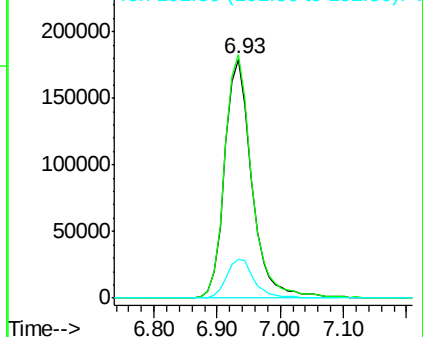


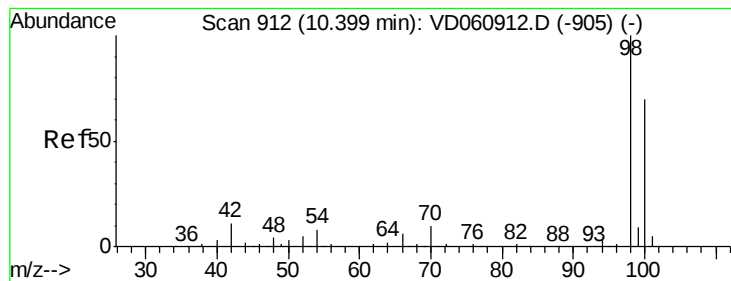
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD060960.D
 Acq: 6 Mar 2019 12:39

Tgt Ion:113 Resp: 535469
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 124.0
 192 16.2 13.4 20.2



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD060960.D

Acq: 6 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

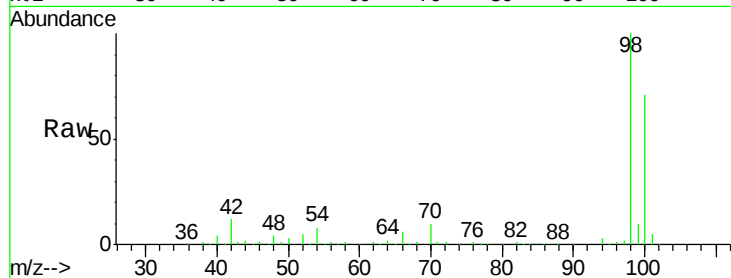
VD0306SBL01

Tot Ion: 98 Resp: 1324159

Ion Ratio Lower Upper

98 100

100 71.2 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): VD060912.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060912.D (-905) (-)

10.41

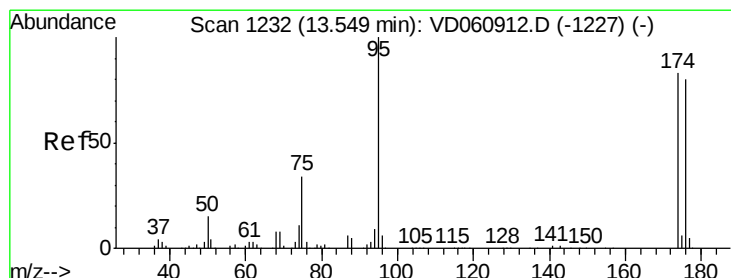
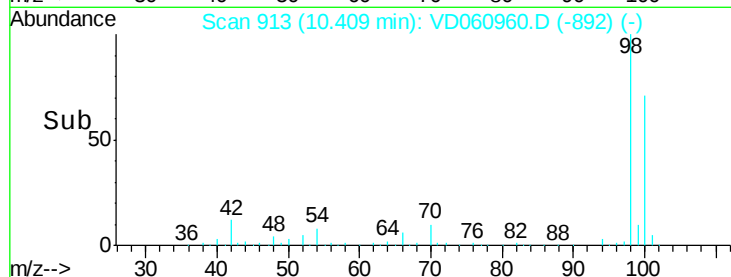
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060960.D

Acq: 6 Mar 2019 12:39

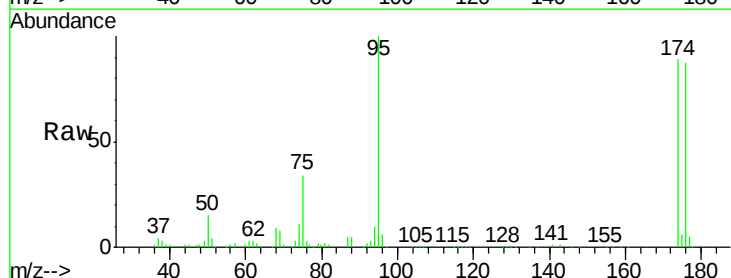
Tgt Ion: 95 Resp: 499197

Ion Ratio Lower Upper

95 100

174 89.4 0.0 165.6

176 87.2 0.0 160.6



Abundance Ion 95.00 (94.70 to 95.70): VD060912.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060912.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060912.D (-1227) (-)

400000

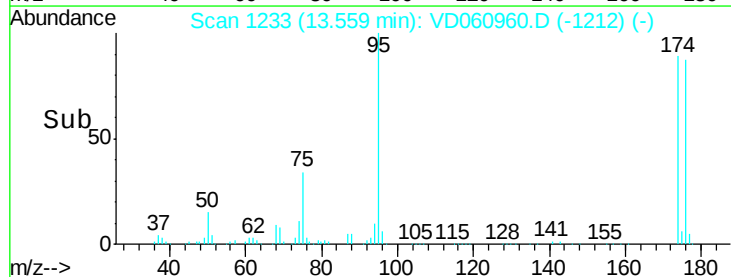
300000

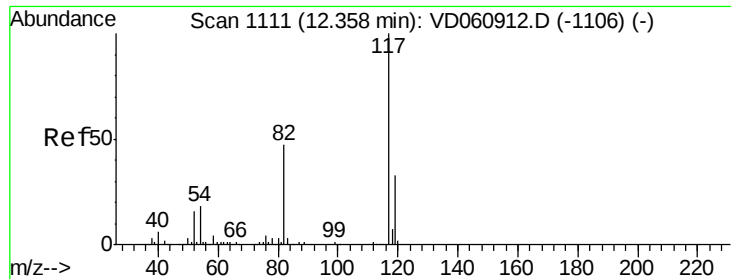
200000

100000

0

Time-->

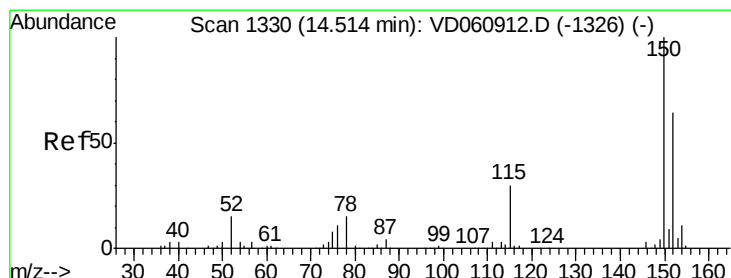
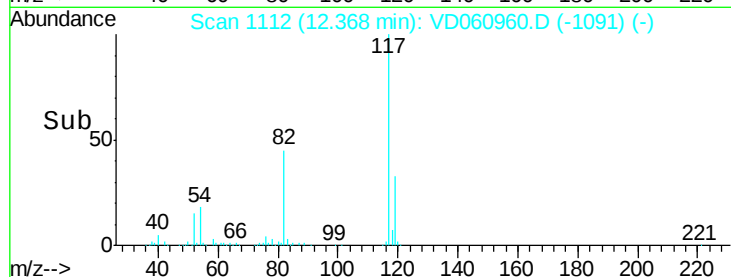
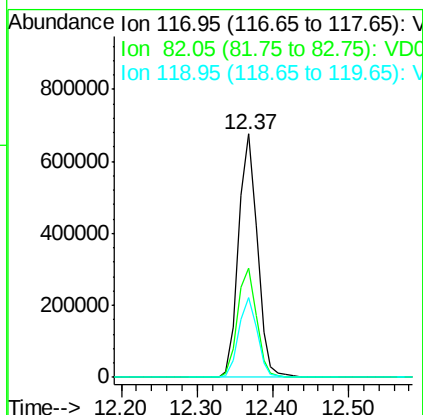
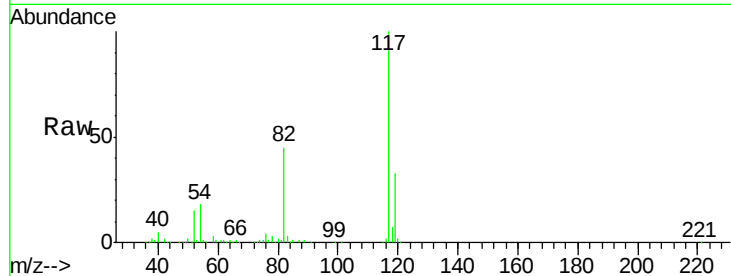




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBL01

Tot Ion:117 Resp: 1147877
Ion Ratio Lower Upper
117 100
82 45.0 37.5 56.3
119 32.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

Tgt Ion:152 Resp: 535546
Ion Ratio Lower Upper
152 100
115 63.8 27.6 82.8
150 158.8 0.0 312.8

