

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD032519\
 Data File : VD061302.D
 Acq On : 25 Mar 2019 14:35
 Operator : VA/AP
 Sample : VD0325SBL01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBL01

Quant Time: Apr 03 08:30:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

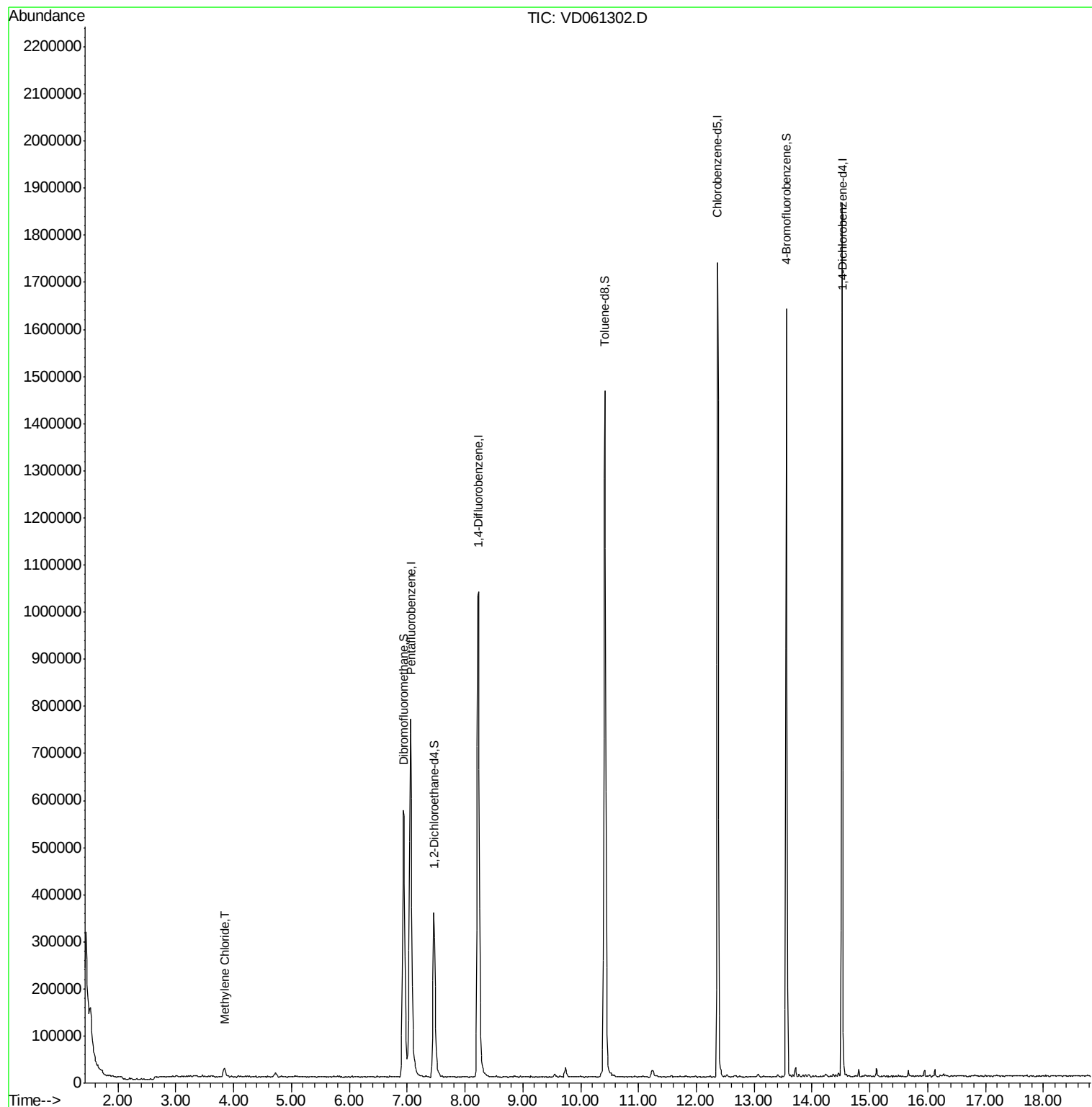
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	820262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1331244	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1112185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	480150	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	363691	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
35) Dibromofluoromethane	6.93	113	570142	55.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.94%	
50) Toluene-d8	10.42	98	1347386	54.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.10%	
62) 4-Bromofluorobenzene	13.56	95	498244	51.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.42%	
Target Compounds						
20) Methylene Chloride	3.84	84	12865	1.339	ug/l	Qvalue 93

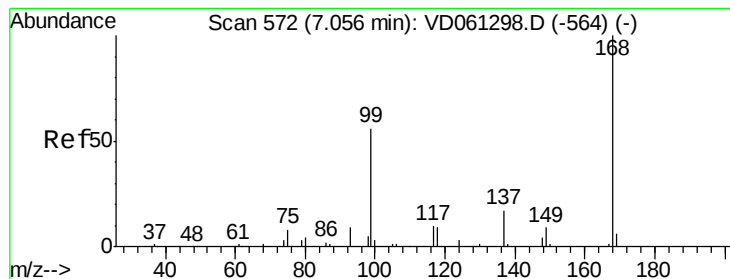
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD061302.D

Acq: 25 Mar 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

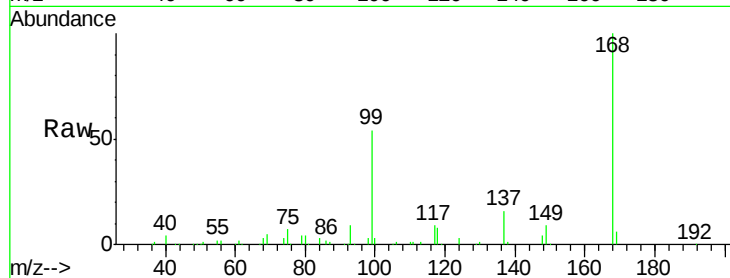
VD0325SBL01

Tot Ion:168 Resp: 820262

Ion Ratio Lower Upper

168 100

99 53.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

250000

200000

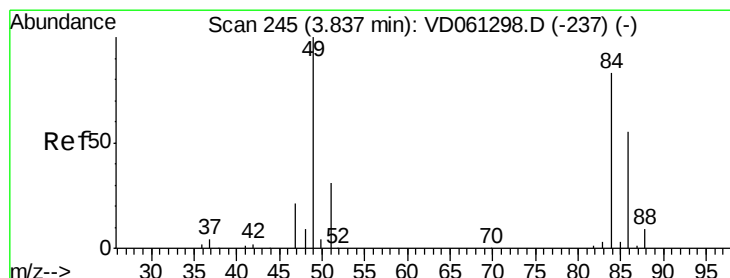
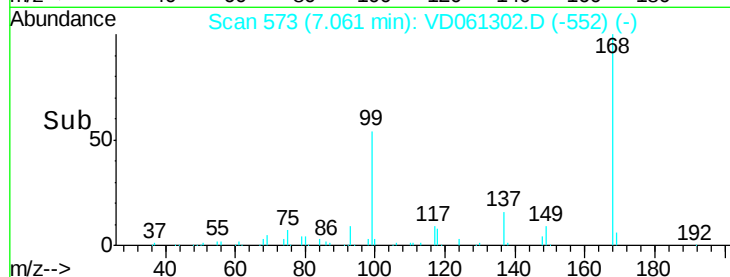
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 1.339 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.01 min

Lab File: VD061302.D

Acq: 25 Mar 2019 14:35

Tgt Ion: 84 Resp: 12865

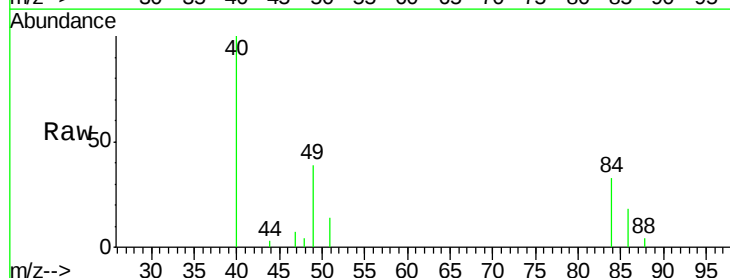
Ion Ratio Lower Upper

84 100

49 117.8 96.8 145.2

51 42.0 29.9 44.9

86 55.8 53.1 79.7



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

8000

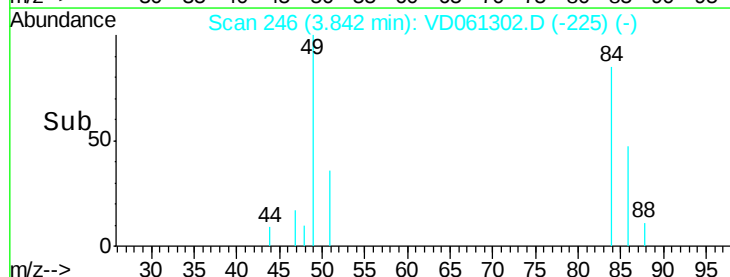
6000

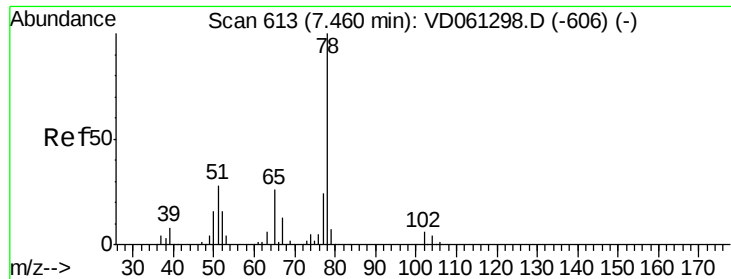
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061302.D

Acq: 25 Mar 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

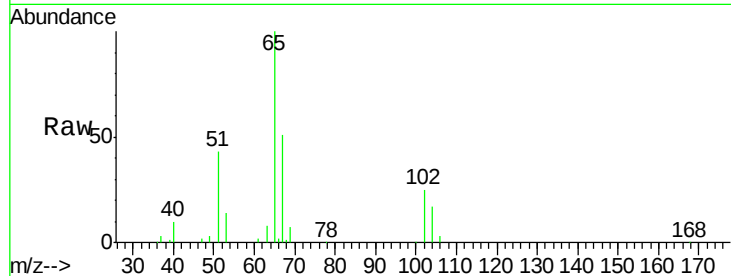
VD0325SBL01

Tot Ion: 65 Resp: 363691

Ion Ratio Lower Upper

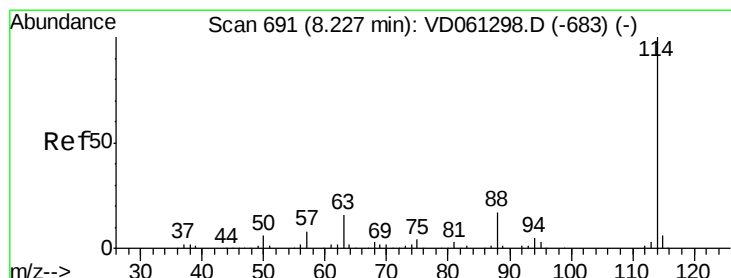
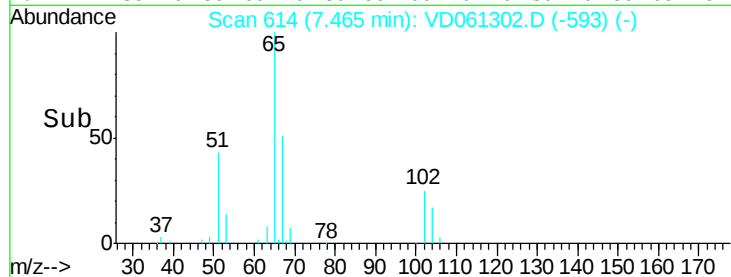
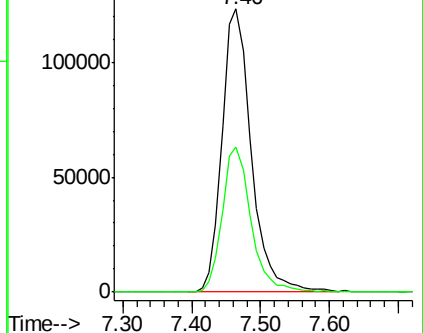
65 100

67 51.2 0.0 100.8



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: 8.23 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD061302.D

Acq: 25 Mar 2019 14:35

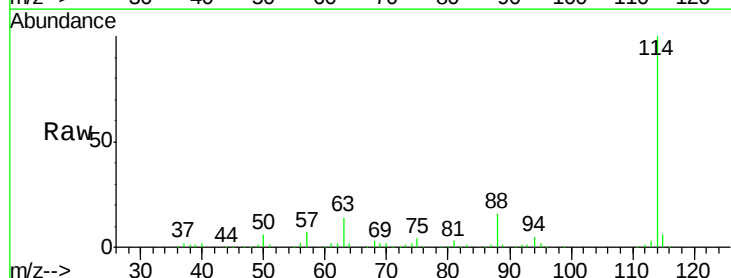
Tgt Ion: 114 Resp: 1331244

Ion Ratio Lower Upper

114 100

63 14.3 0.0 31.4

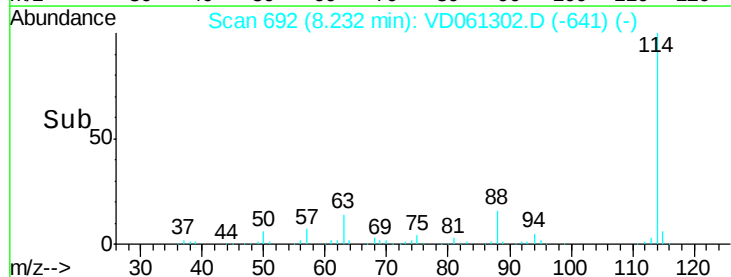
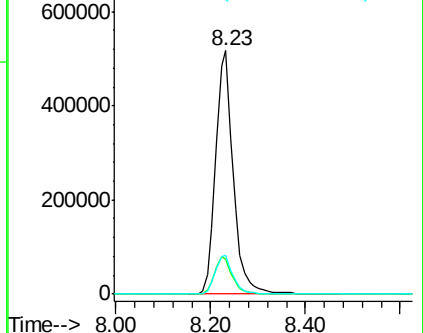
88 15.8 0.0 33.2

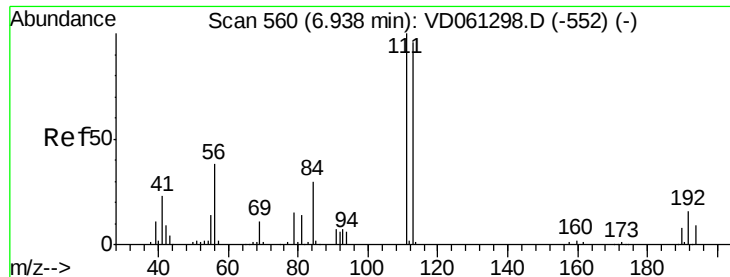


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD061302.D

Acq: 25 Mar 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBL01

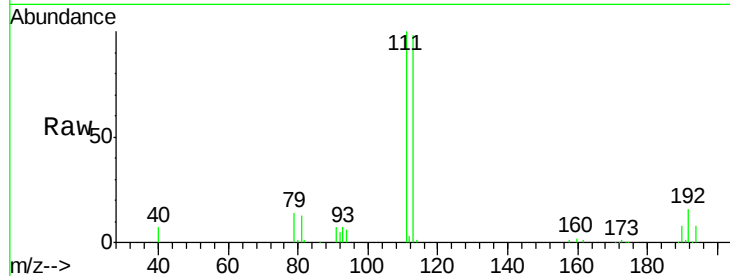
Tot Ion:113 Resp: 570142

Ion Ratio Lower Upper

113 100

111 102.2 83.7 125.5

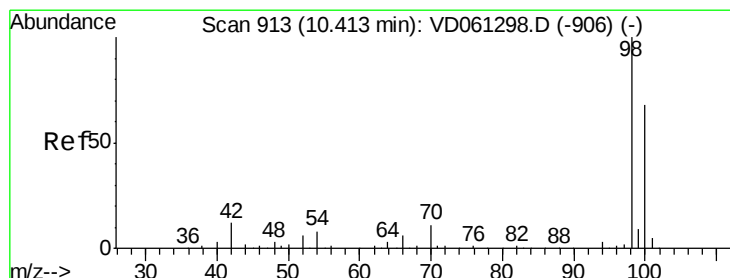
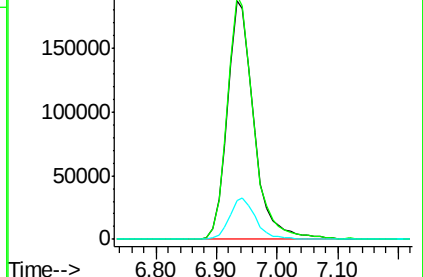
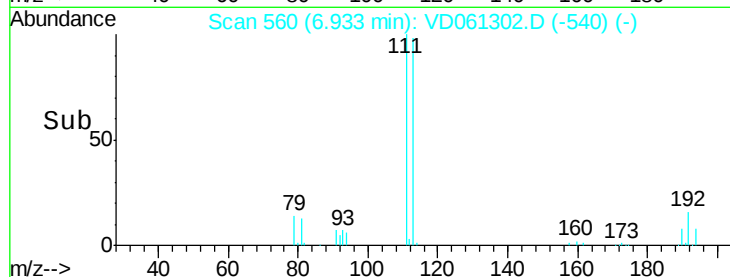
192 16.0 13.4 20.0



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: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061302.D

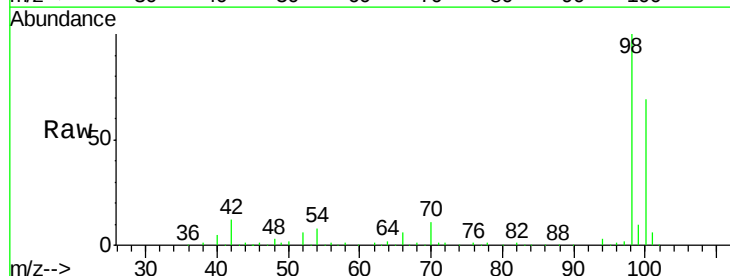
Acq: 25 Mar 2019 14:35

Tgt Ion: 98 Resp: 1347386

Ion Ratio Lower Upper

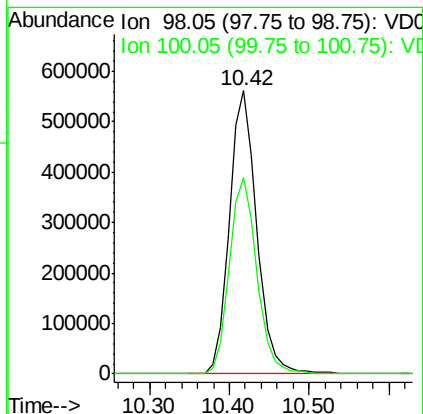
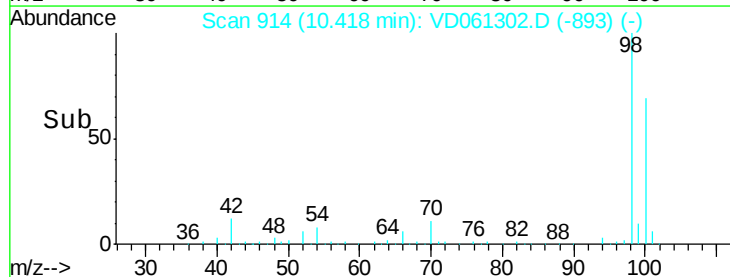
98 100

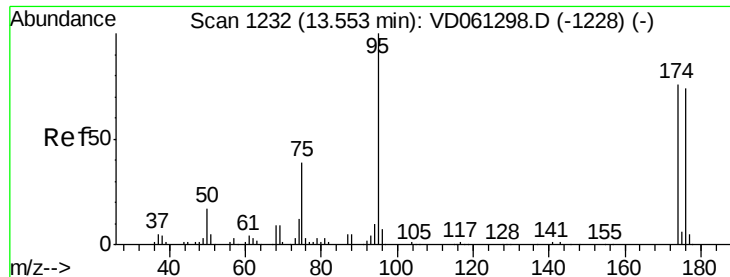
100 69.4 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

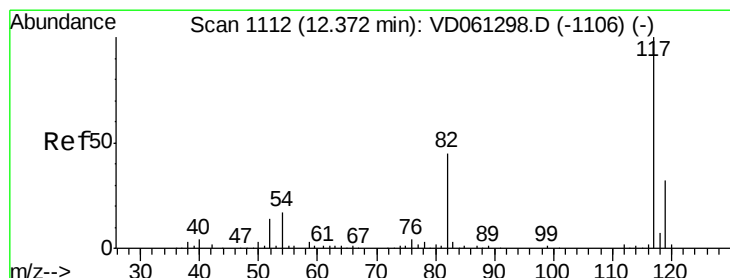
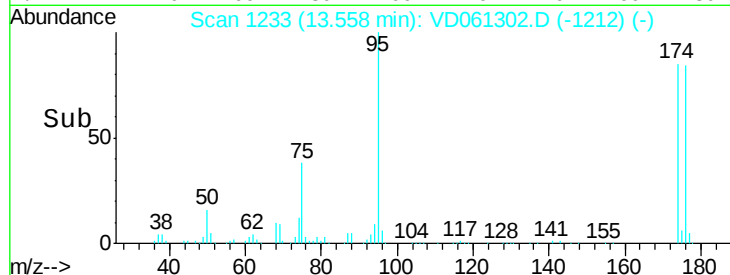
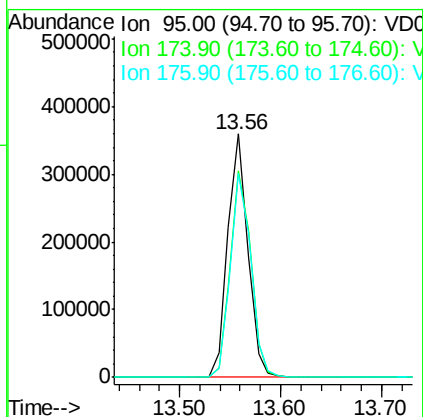
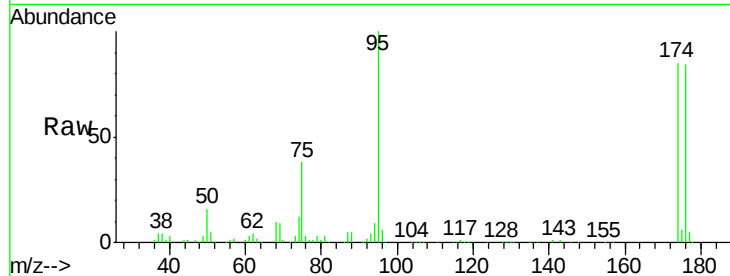




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061302.D
Acq: 25 Mar 2019 14:35

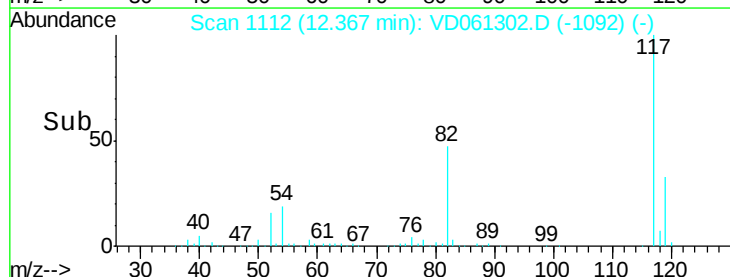
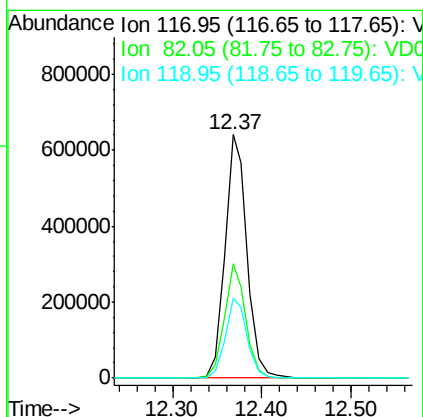
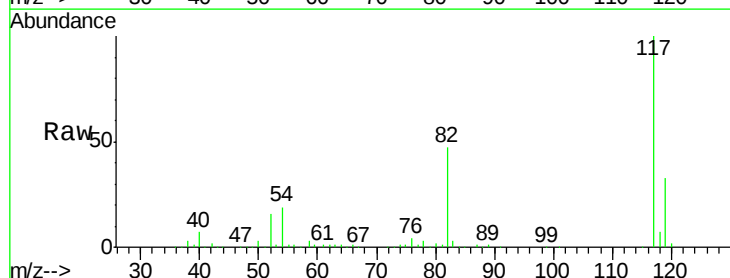
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBL01

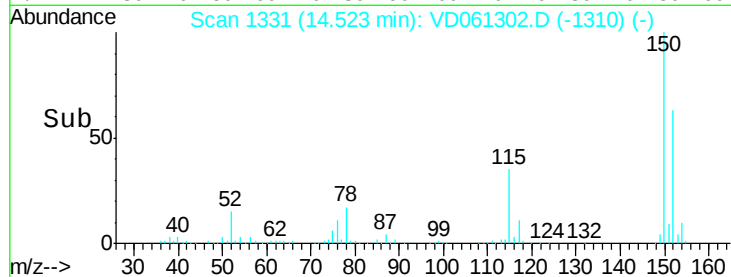
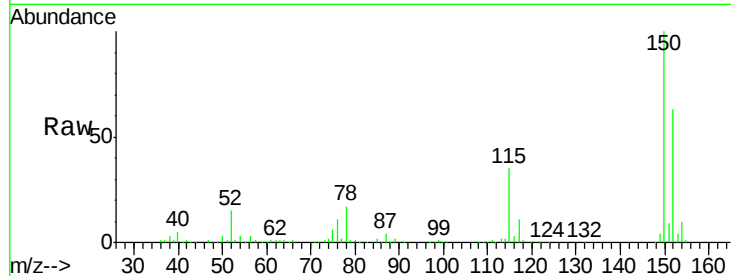
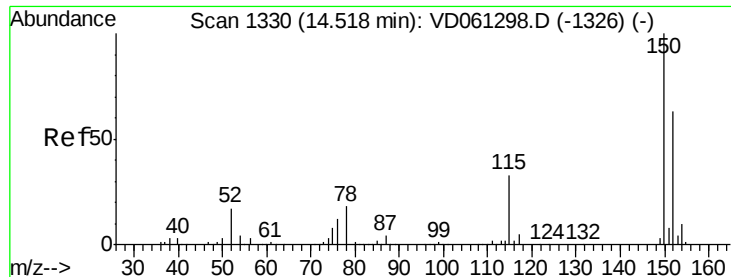
Tot Ion: 95 Resp: 498244
Ion Ratio Lower Upper
95 100
174 84.7 0.0 151.8
176 84.0 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061302.D
Acq: 25 Mar 2019 14:35

Tgt Ion: 117 Resp: 1112185
Ion Ratio Lower Upper
117 100
82 47.0 35.7 53.5
119 33.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061302.D

Acq: 25 Mar 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBL01

Tot Ion:152 Resp: 480150

Ion Ratio Lower Upper

152 100

115 55.7 29.2 87.6

150 158.6 0.0 319.6

