

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063524.D
 Acq On : 13 Aug 2019 13:45
 Operator : JC/SY
 Sample : VD0813SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBL01

Quant Time: Aug 14 08:47:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1191027	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1646416	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.38	117	1351099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	712906	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	728836	57.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	114.50%	
35) Dibromofluoromethane	6.93	113	811510	58.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.04%	
50) Toluene-d8	10.42	98	1772350	58.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.28%	
62) 4-Bromofluorobenzene	13.56	95	761616	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	

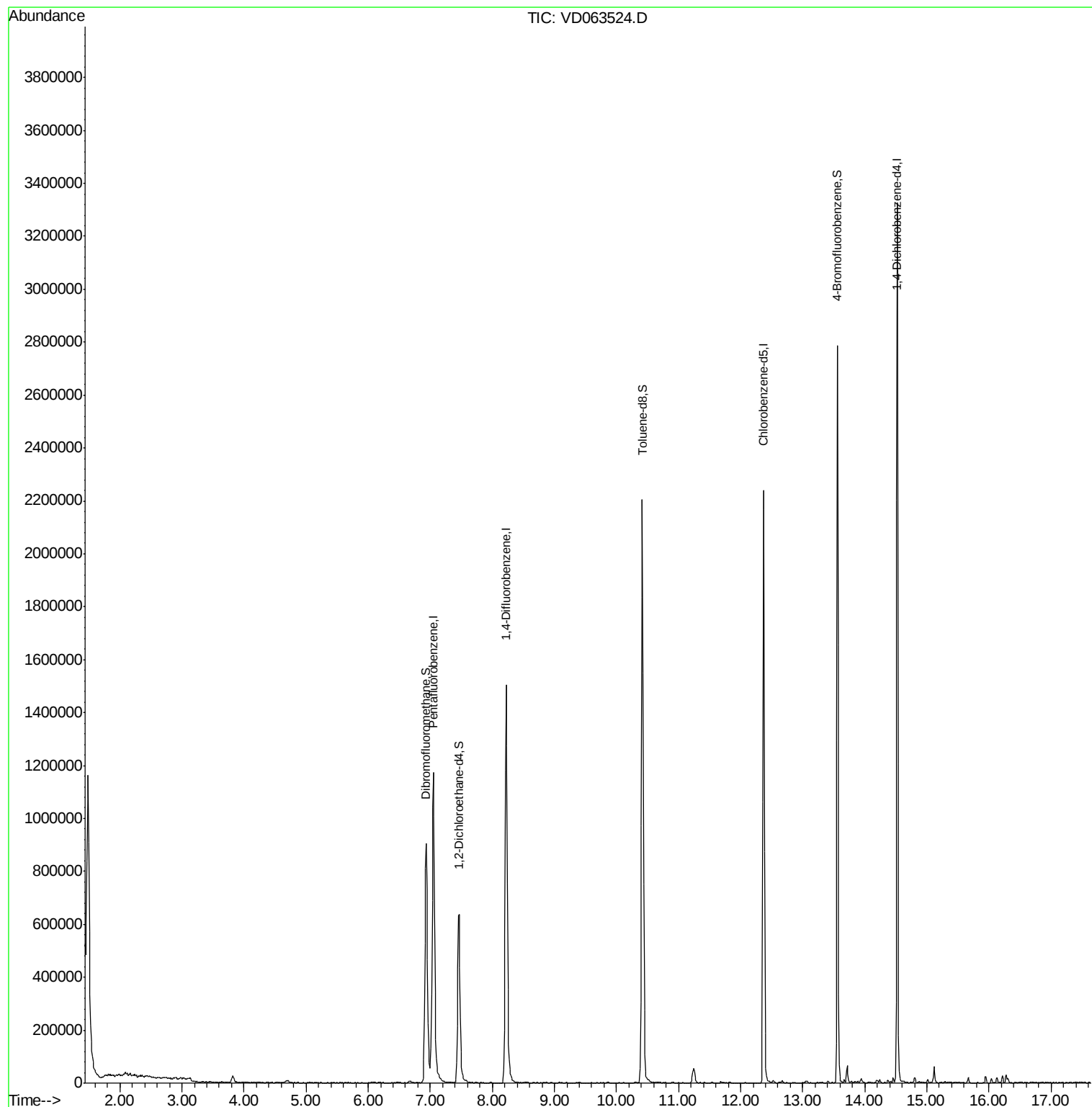
Target Compounds	Qvalue

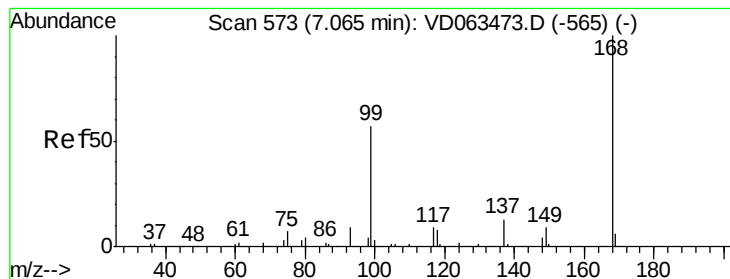
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

Instrument :

MSVOA_D

ClientSampleId :

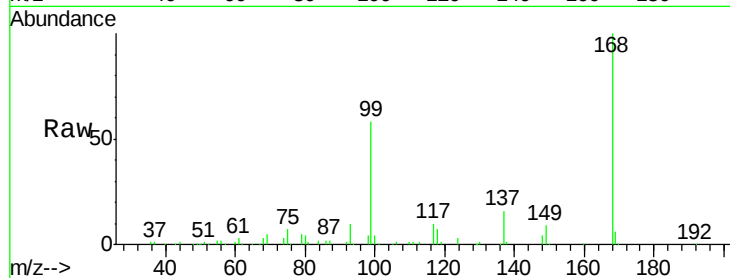
VD0813SBL01

Tot Ion:168 Resp: 1191027

Ion Ratio Lower Upper

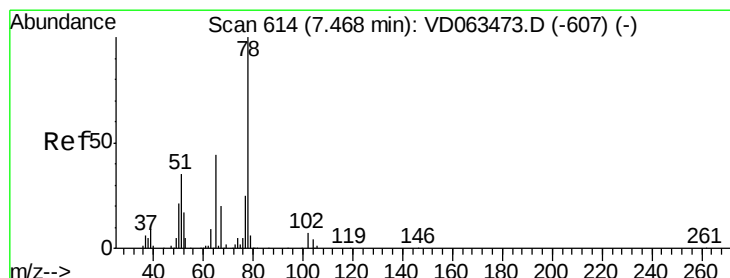
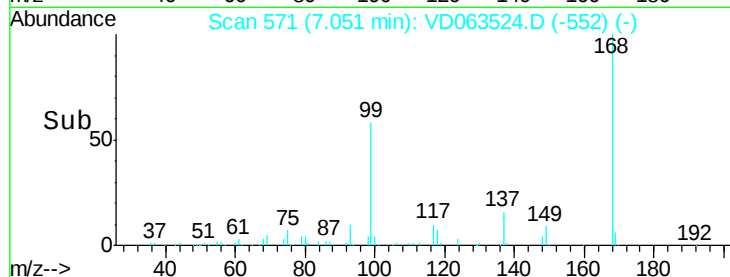
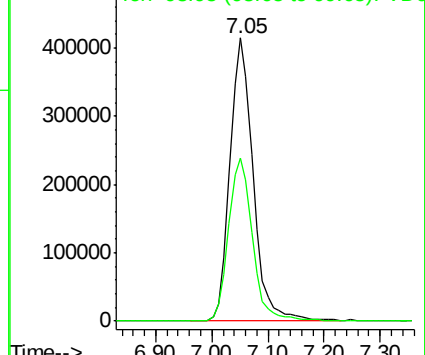
168 100

99 57.8 46.7 70.1



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: 57.248 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063524.D

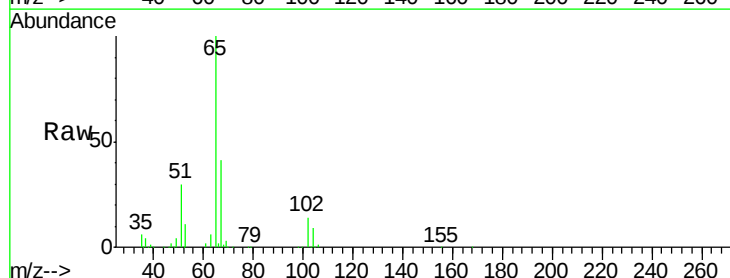
Acq: 13 Aug 2019 13:45

Tgt Ion: 65 Resp: 728836

Ion Ratio Lower Upper

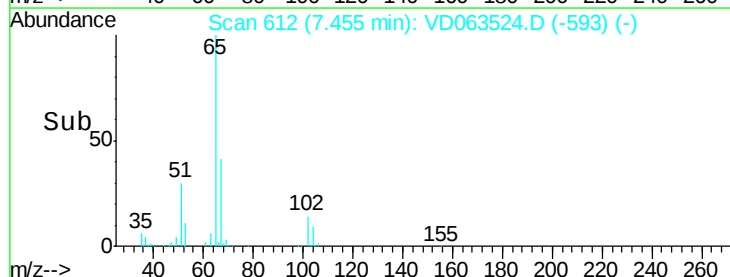
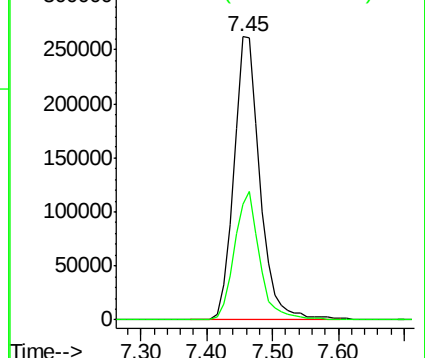
65 100

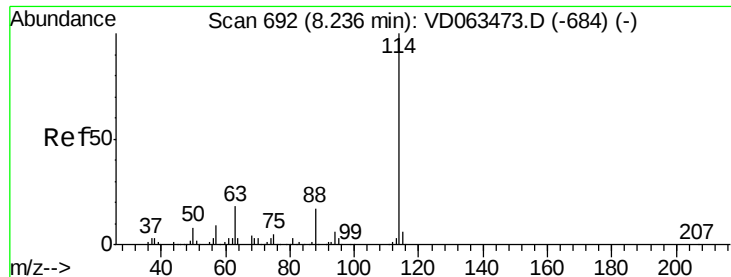
67 40.8 0.0 89.2



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# 690

Delta R.T. -0.01 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBL01

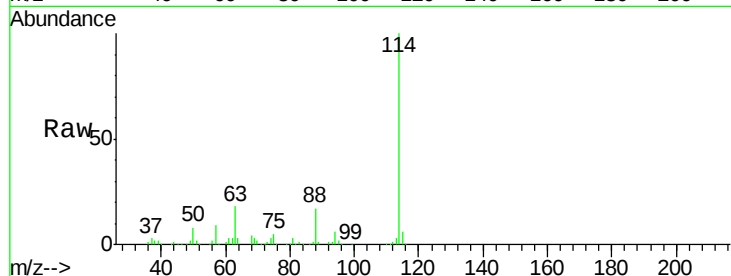
Tot Ion:114 Resp: 1646416

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.2

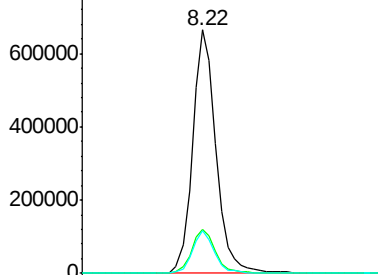
88 17.3 0.0 35.0



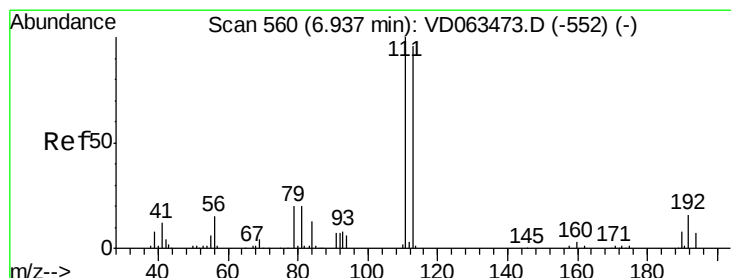
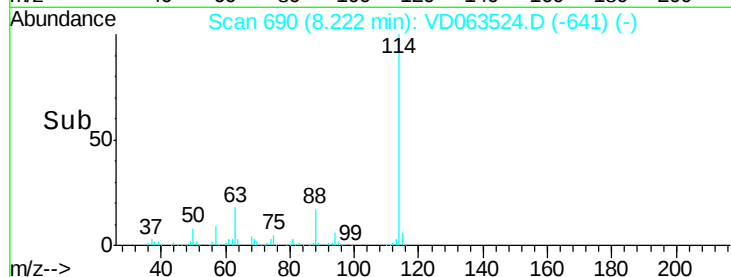
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



Time-->



#35

Dibromofluoromethane

Concen: 58.524 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

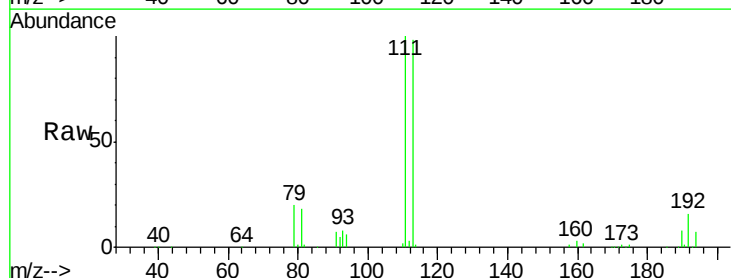
Tgt Ion:113 Resp: 811510

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

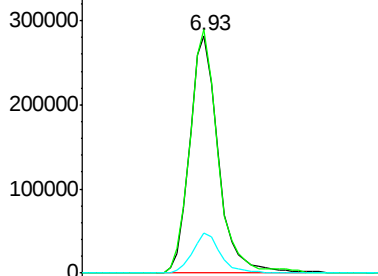
192 16.7 13.1 19.7



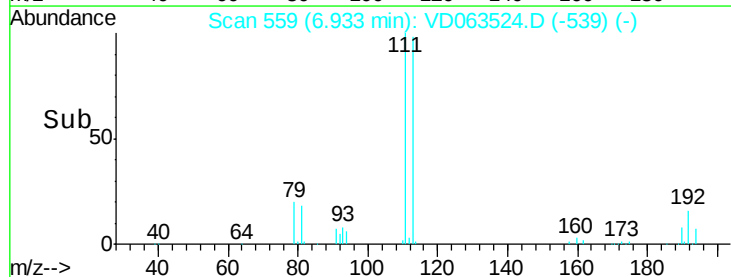
Abundance Ion 112.90 (112.60 to 113.60): V

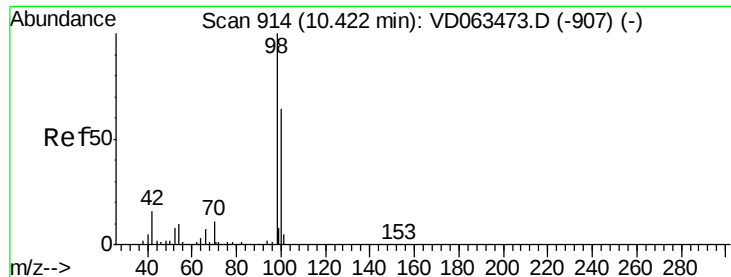
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



Time-->





#50

Toluene-d8

Concen: 58.137 ug/l

RT: 10.42 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

Instrument :

MSVOA_D

ClientSampleId :

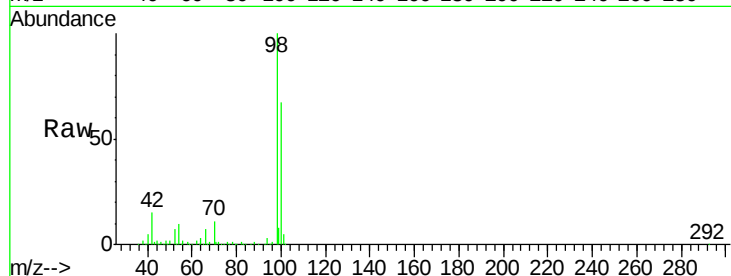
VD0813SBL01

Tot Ion: 98 Resp: 1772350

Ion Ratio Lower Upper

98 100

100 66.8 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VD063473.D (-907) (-)

Ion 100.05 (99.75 to 100.75): VD063473.D (-907) (-)

10.42

800000

600000

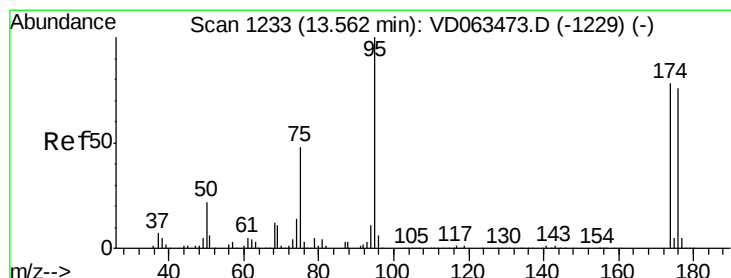
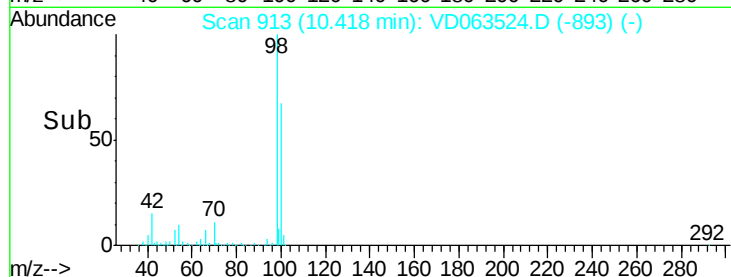
400000

200000

0

10.30 10.40 10.50 10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 55.120 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063524.D

Acq: 13 Aug 2019 13:45

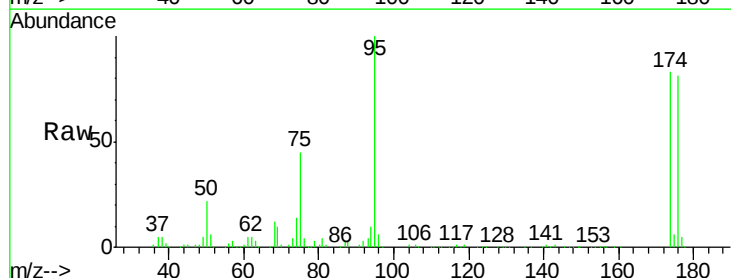
Tgt Ion: 95 Resp: 761616

Ion Ratio Lower Upper

95 100

174 83.4 0.0 155.4

176 81.1 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VD063473.D (-1229) (-)

Ion 173.90 (173.60 to 174.60): VD063473.D (-1229) (-)

Ion 175.90 (175.60 to 176.60): VD063473.D (-1229) (-)

13.56

800000

600000

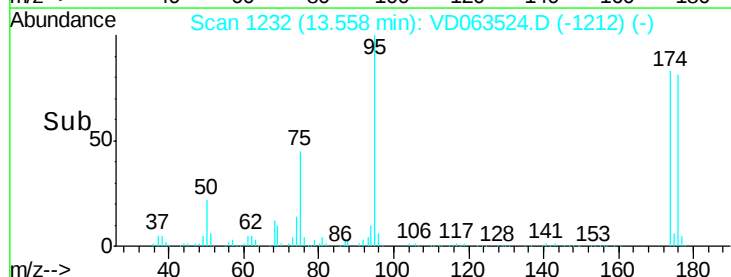
400000

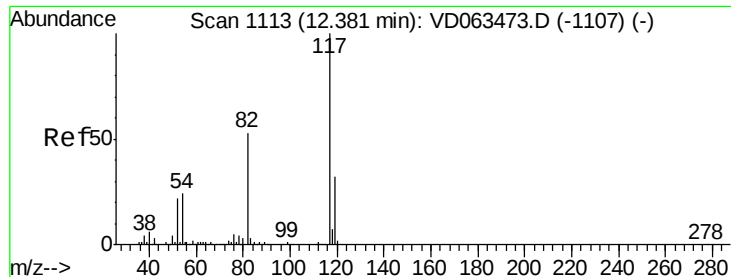
200000

0

13.50 13.60

Time-->

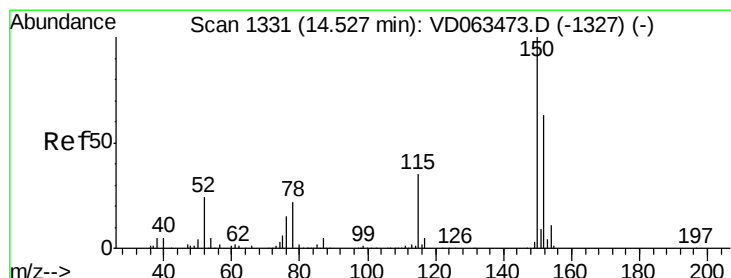
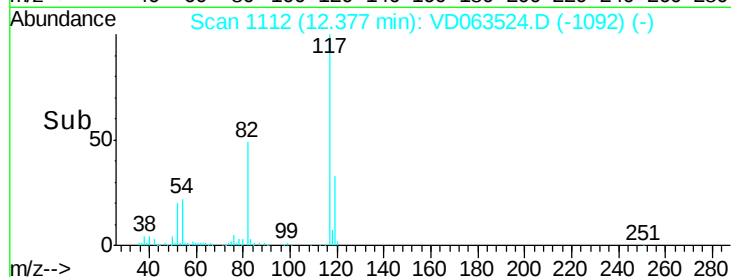
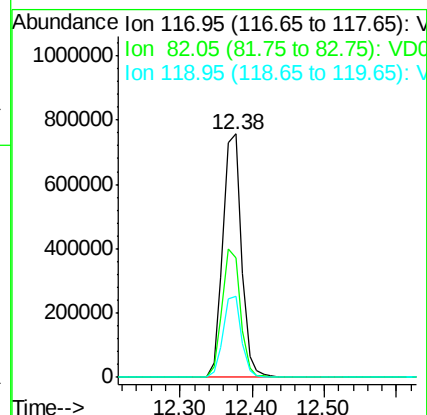
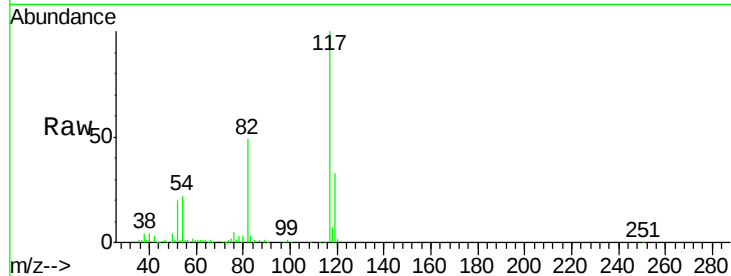




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063524.D
Acq: 13 Aug 2019 13:45

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBL01

Tot Ion:117 Resp: 1351099
Ion Ratio Lower Upper
117 100
82 49.1 42.0 63.0
119 33.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063524.D
Acq: 13 Aug 2019 13:45

Tgt Ion:152 Resp: 712906
Ion Ratio Lower Upper
152 100
115 58.0 30.9 92.7
150 162.3 0.0 318.6

