

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063169.D
 Acq On : 22 Jul 2019 11:25
 Operator : VA/AP
 Sample : VD0722SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBL01

Quant Time: Jul 23 08:00:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	615319	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	887118	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	754407	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	441096	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	440794	57.51	ug/l	0.01
Spiked Amount	50.000		Recovery	=	115.02%	
35) Dibromofluoromethane	6.93	113	468728	53.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.10%	
50) Toluene-d8	10.41	98	884150	46.58	ug/l	0.01
Spiked Amount	50.000		Recovery	=	93.16%	
62) 4-Bromofluorobenzene	13.56	95	414705	47.23	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.46%	

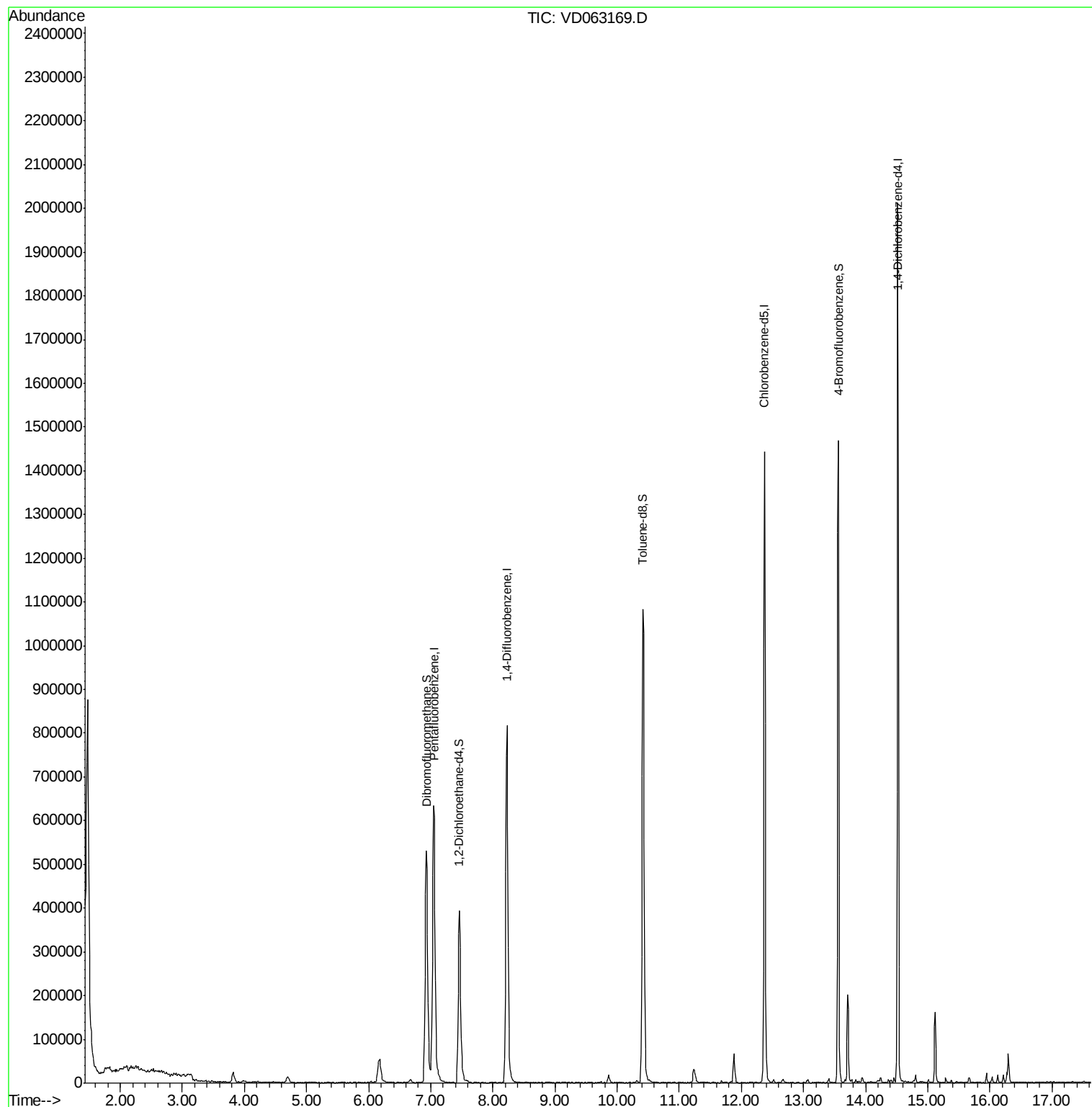
Target Compounds	Qvalue

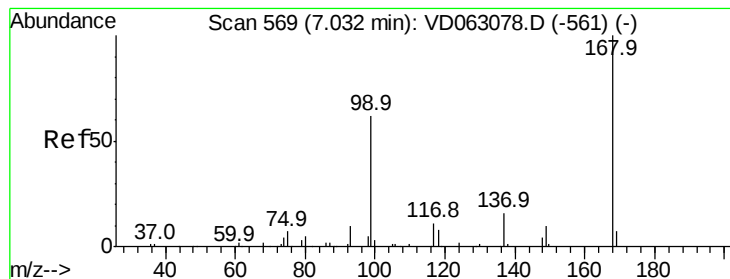
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063169.D

Acq: 22 Jul 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

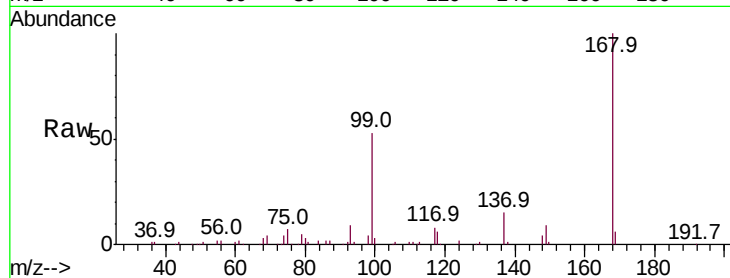
VD0722SBL01

Tot Ion:168 Resp: 615319

Ion Ratio Lower Upper

168 100

99 52.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

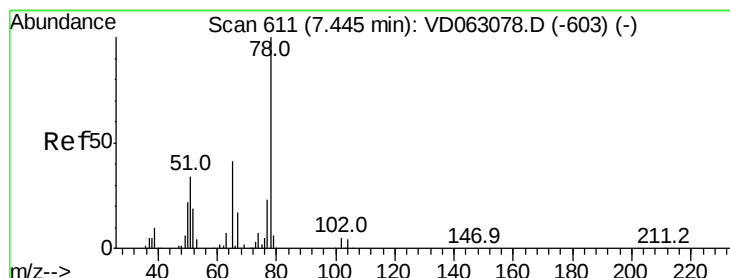
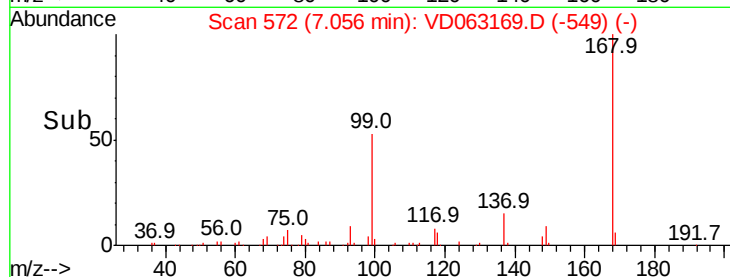
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#33

1,2-Dichloroethane-d4

Concen: 57.508 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD063169.D

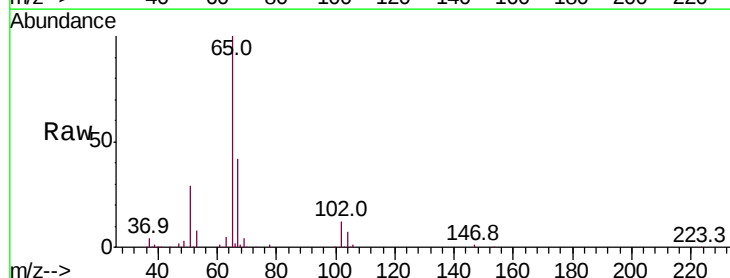
Acq: 22 Jul 2019 11:25

Tgt Ion: 65 Resp: 440794

Ion Ratio Lower Upper

65 100

67 42.4 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

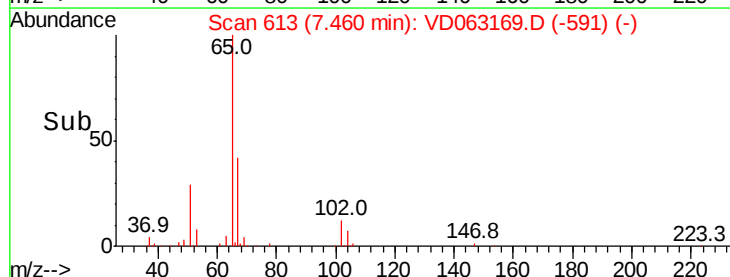
100000

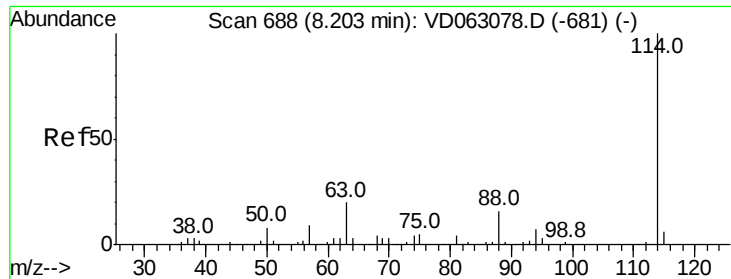
50000

0

Time-->

7.30 7.40 7.50 7.60 7.70

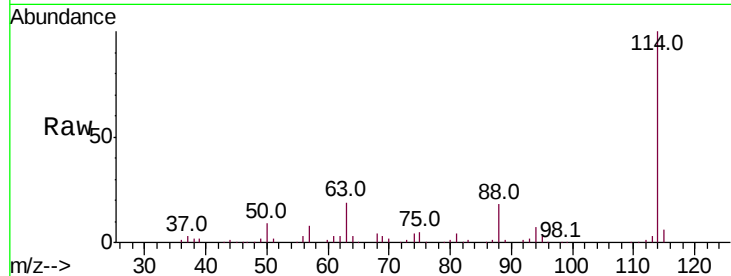




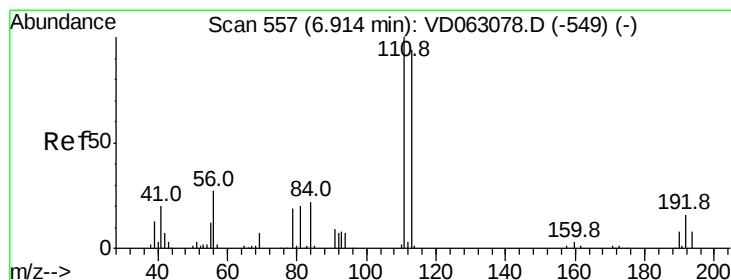
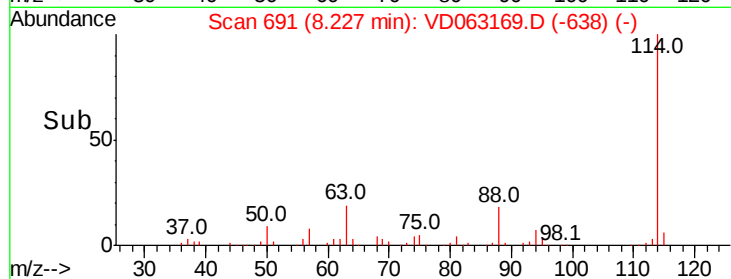
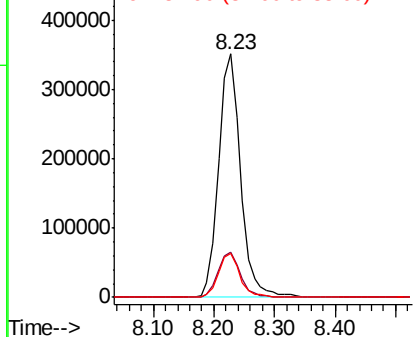
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063169.D
 Acq: 22 Jul 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBL01

Tot Ion:114 Resp: 887118
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 40.6
 88 18.0 0.0 32.6

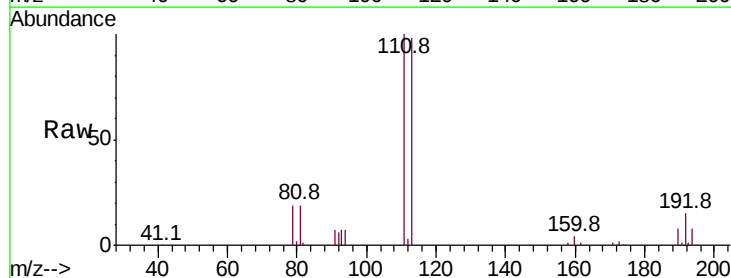


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

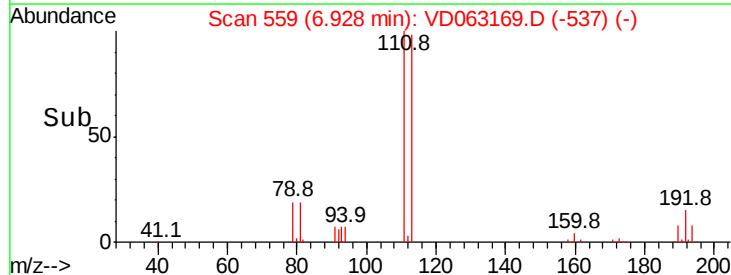
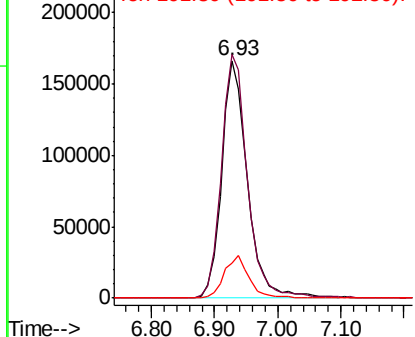


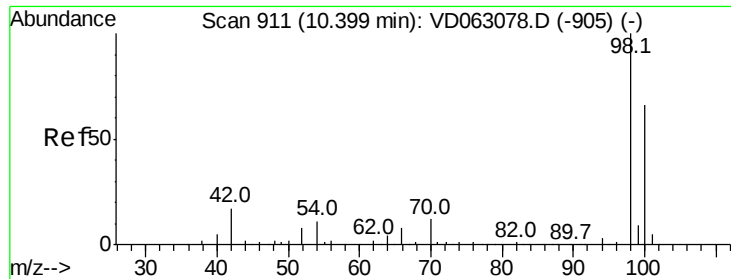
#35
 Dibromofluoromethane
 Concen: 53.048 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD063169.D
 Acq: 22 Jul 2019 11:25

Tgt Ion:113 Resp: 468728
 Ion Ratio Lower Upper
 113 100
 111 102.5 84.8 127.2
 192 14.9 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: 46.584 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063169.D

Acq: 22 Jul 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

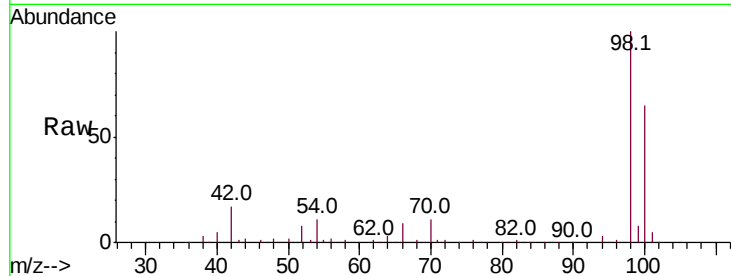
VD0722SBL01

Tot Ion: 98 Resp: 884150

Ion Ratio Lower Upper

98 100

100 65.5 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VD063078.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063078.D (-905) (-)

10.41

400000

300000

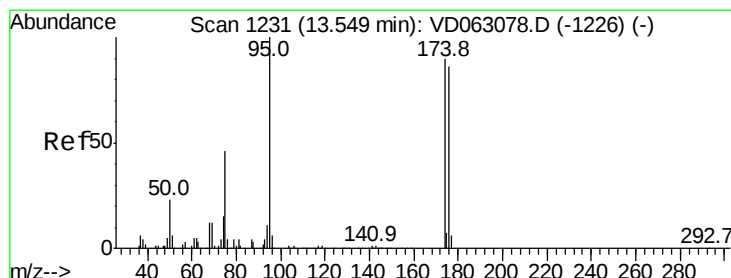
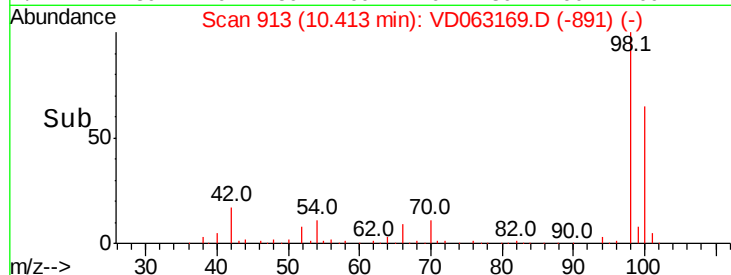
200000

100000

0

10.40 10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 47.230 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063169.D

Acq: 22 Jul 2019 11:25

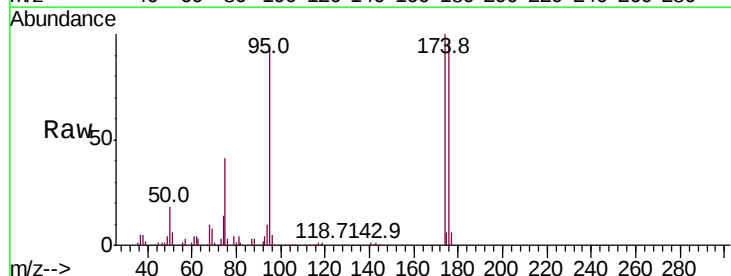
Tgt Ion: 95 Resp: 414705

Ion Ratio Lower Upper

95 100

174 108.0 0.0 180.6

176 102.2 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): VD063078.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD063078.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD063078.D (-1226) (-)

400000

300000

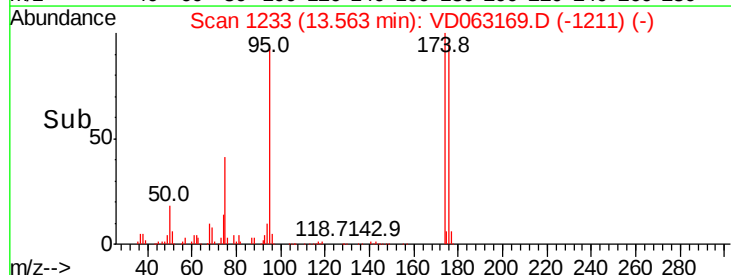
200000

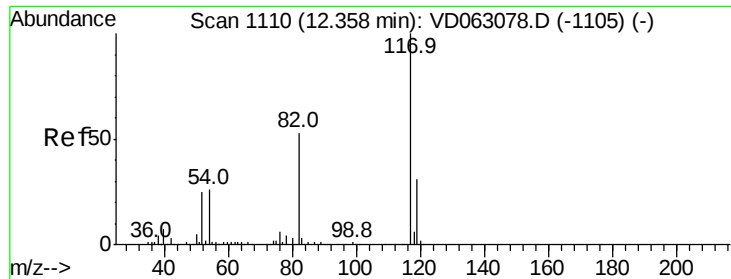
100000

0

13.50 13.55 13.60 13.65

Time-->

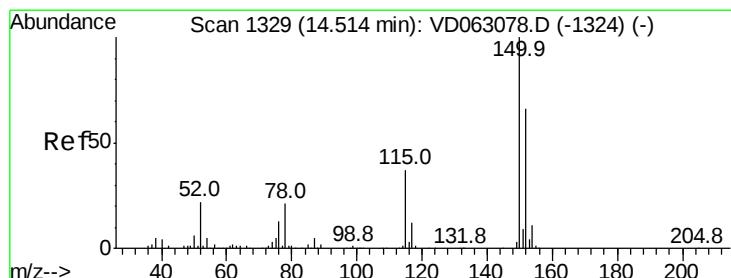
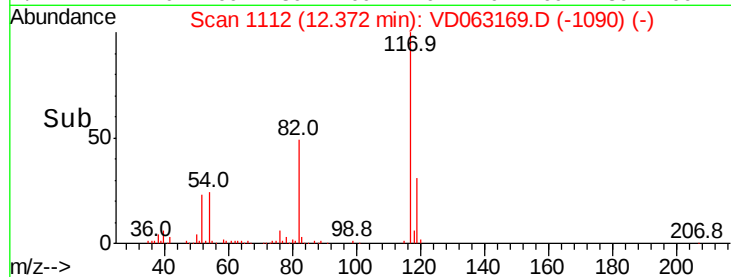
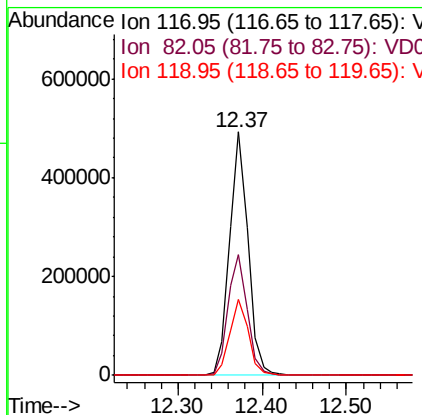
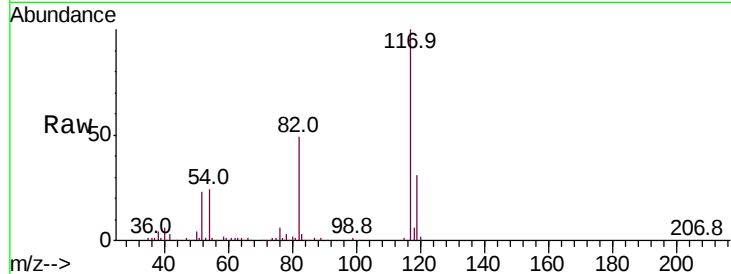




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063169.D
Acq: 22 Jul 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0722SBL01

Tot Ion:117 Resp: 754407
Ion Ratio Lower Upper
117 100
82 49.5 42.3 63.5
119 31.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063169.D
Acq: 22 Jul 2019 11:25

Tgt Ion:152 Resp: 441096
Ion Ratio Lower Upper
152 100
115 59.3 28.9 86.8
150 155.8 0.0 313.8

