

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063151.D
 Acq On : 19 Jul 2019 14:02
 Operator : VA/AP
 Sample : K3835-01RE
 Misc : 4.64g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(0-2)RE

Quant Time: Jul 20 05:26:19 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	7.05	168	940885	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1319275	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	977484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	389378	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	393734	33.59	ug/l	0.00
Spiked Amount			Recovery	=	67.18%	
35) Dibromofluoromethane	6.93	113	436581	33.22	ug/l	0.02
Spiked Amount			Recovery	=	66.44%	
50) Toluene-d8	10.41	98	833320	29.52	ug/l	0.00
Spiked Amount			Recovery	=	59.04%	
62) 4-Bromofluorobenzene	13.56	95	322547	24.70	ug/l	0.00
Spiked Amount			Recovery	=	49.40%	

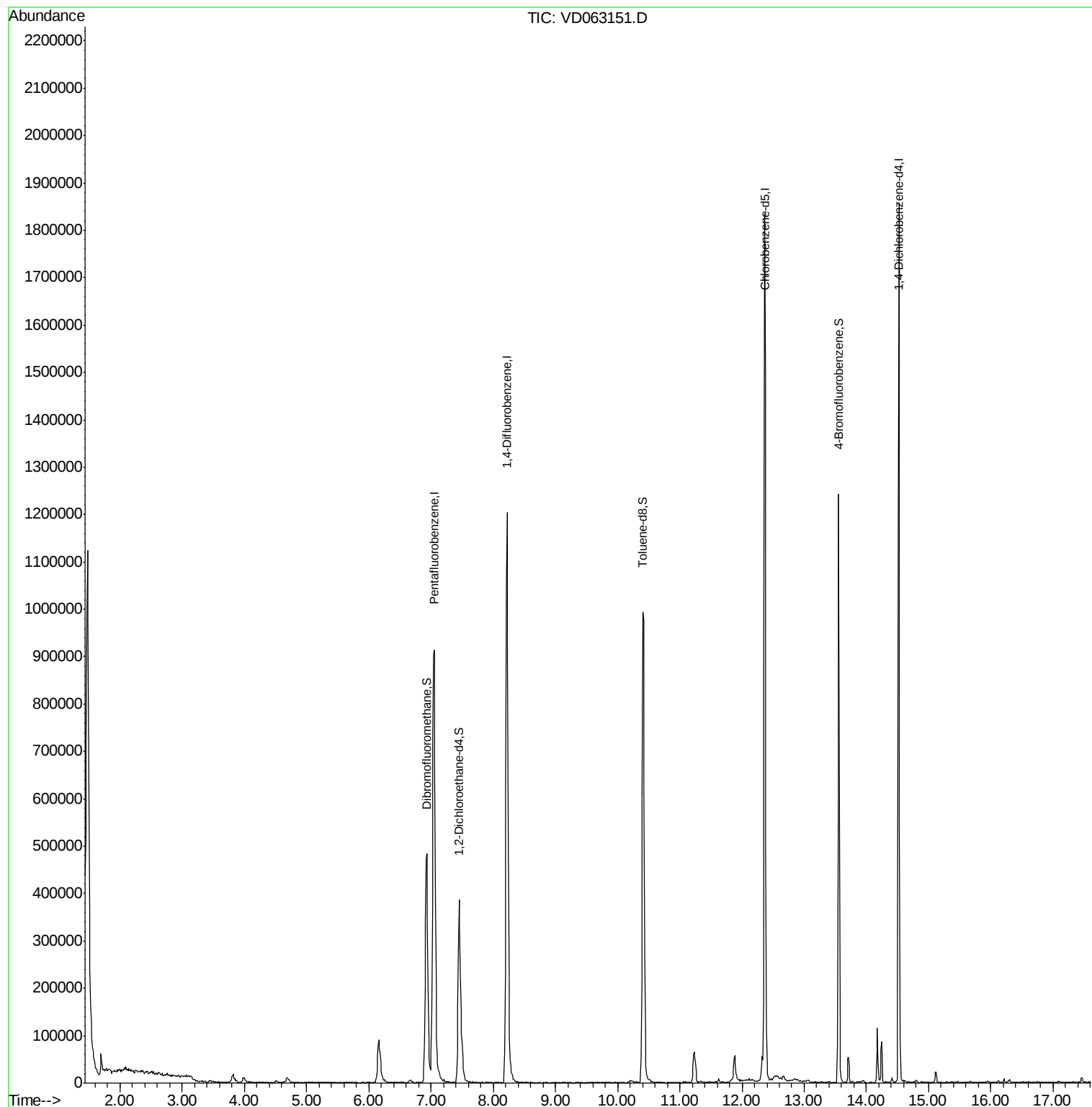
Target Compounds	Qvalue
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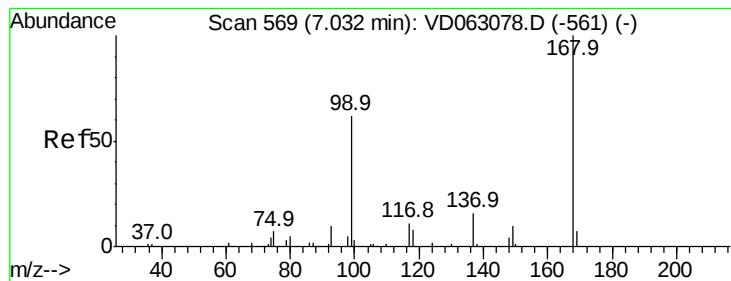
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

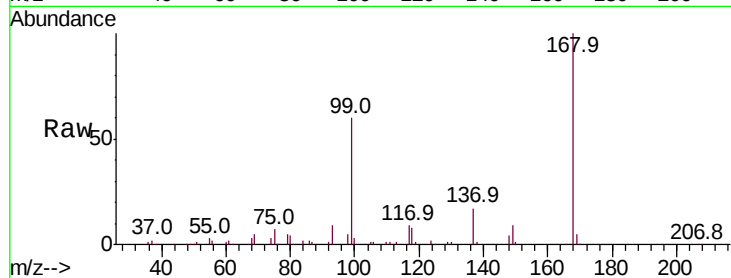
SB-1(0-2)RE

Tot Ion:168 Resp: 940885

Ion Ratio Lower Upper

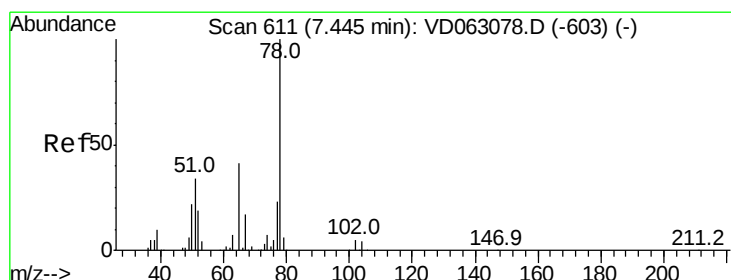
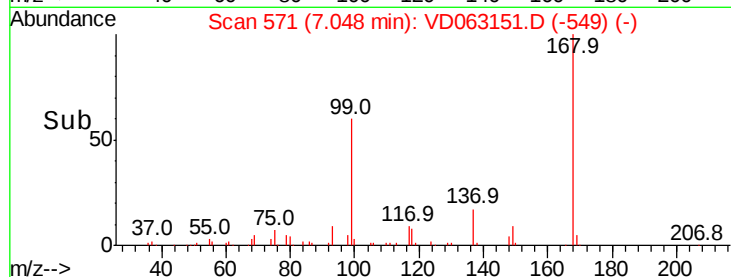
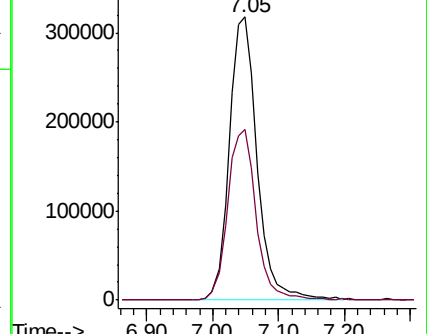
168 100

99 60.5 50.8 76.2



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: 33.594 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063151.D

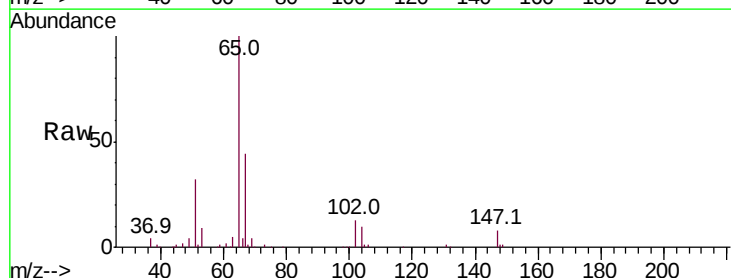
Acq: 19 Jul 2019 14:02

Tgt Ion: 65 Resp: 393734

Ion Ratio Lower Upper

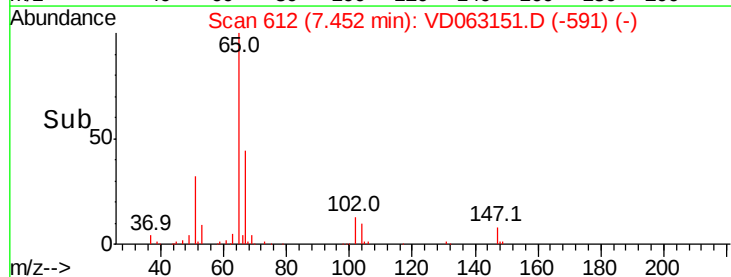
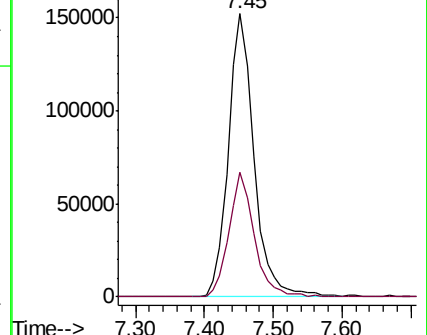
65 100

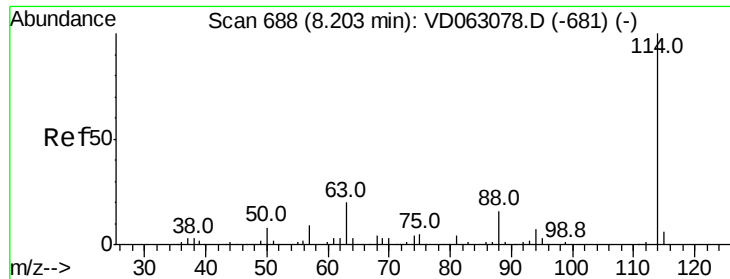
67 43.9 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

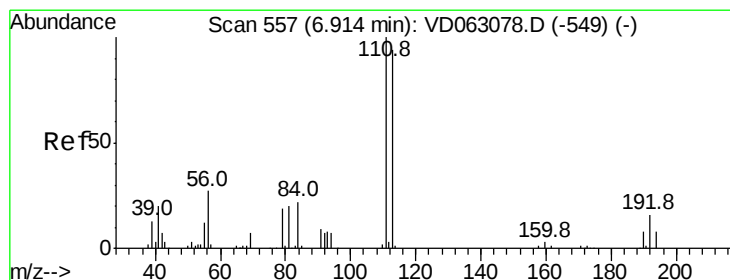
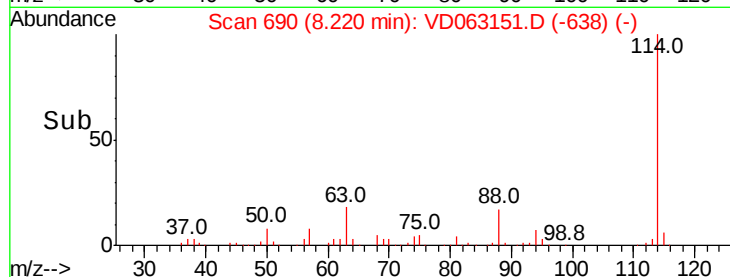
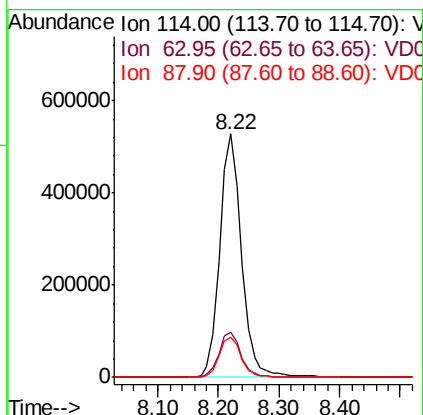
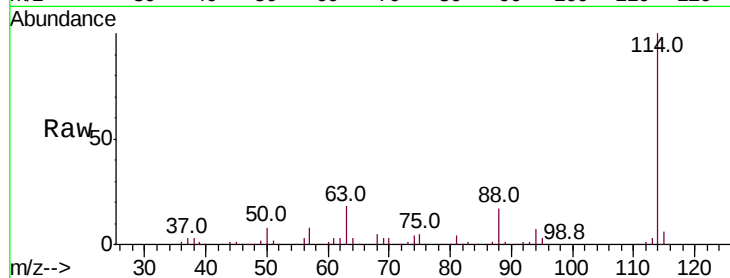




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD063151.D
 Acq: 19 Jul 2019 14:02

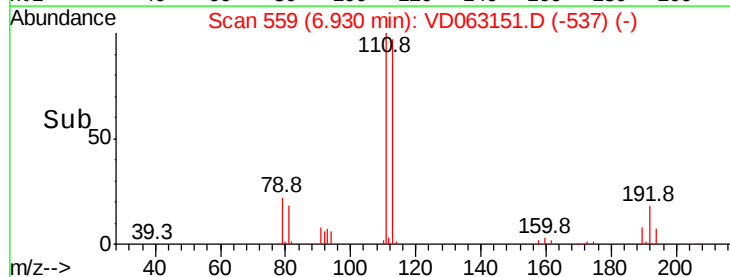
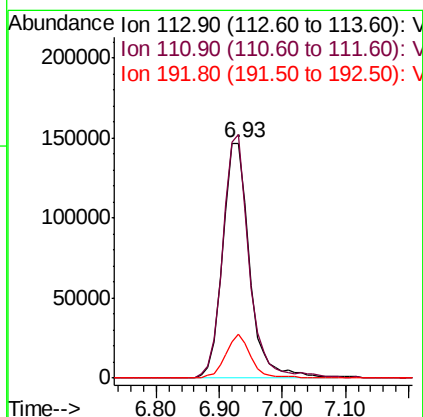
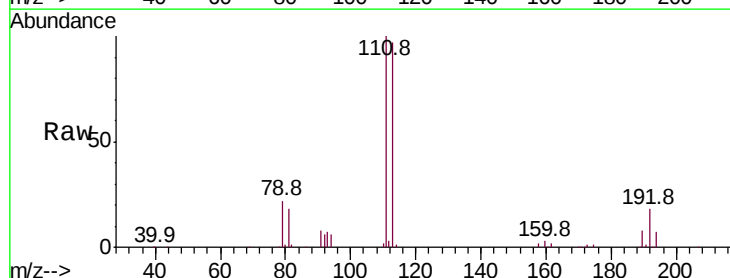
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(0-2)RE

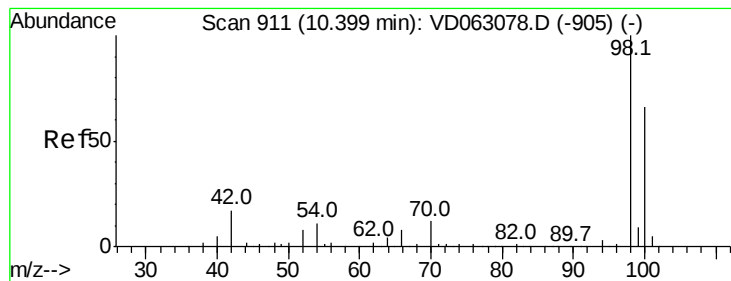
Tot Ion:114 Resp: 1319275
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 40.6
 88 16.6 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 33.225 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063151.D
 Acq: 19 Jul 2019 14:02

Tgt Ion:113 Resp: 436581
 Ion Ratio Lower Upper
 113 100
 111 103.5 84.8 127.2
 192 18.9 13.4 20.0





#50

Toluene-d8

Concen: 29.524 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

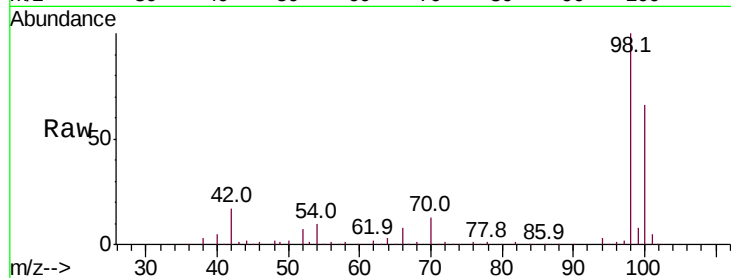
SB-1(0-2)RE

Tot Ion: 98 Resp: 833320

Ion Ratio Lower Upper

98 100

100 65.6 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

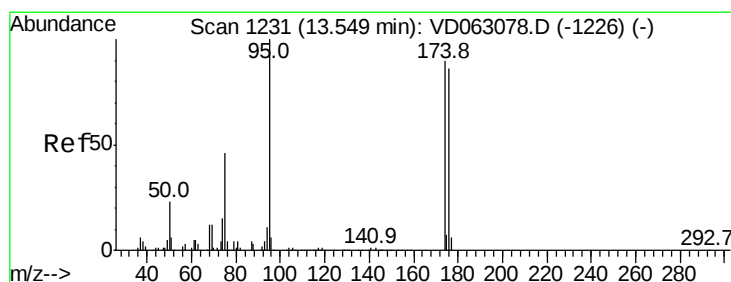
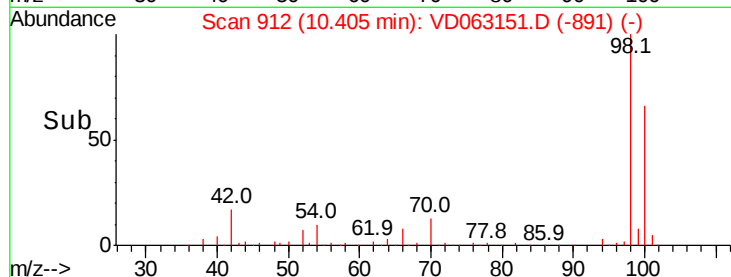
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 24.701 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063151.D

Acq: 19 Jul 2019 14:02

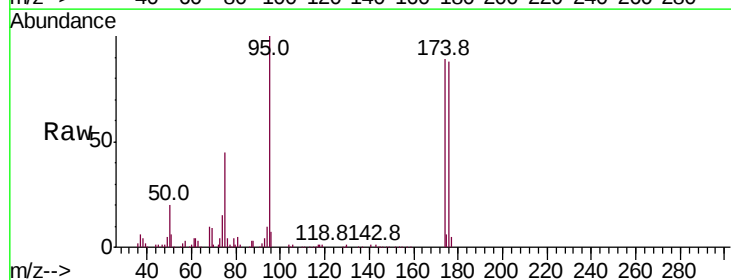
Tgt Ion: 95 Resp: 322547

Ion Ratio Lower Upper

95 100

174 89.0 0.0 180.6

176 88.2 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) (-)

13.56

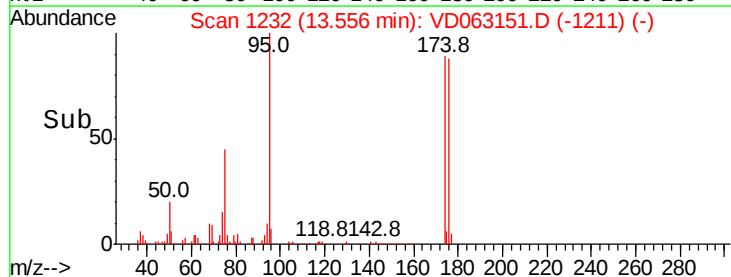
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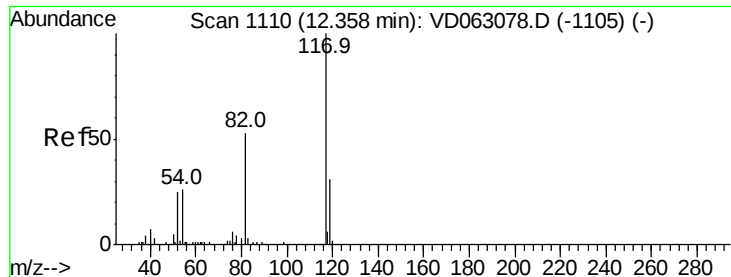
200000

100000

0

Time-->

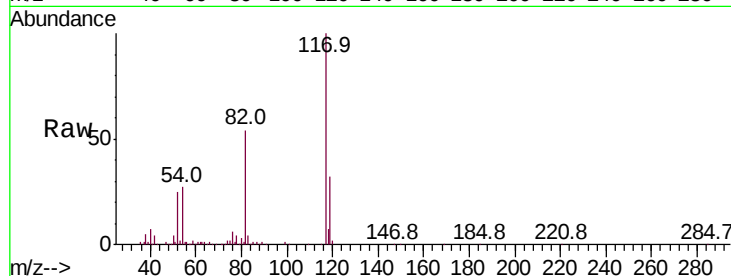




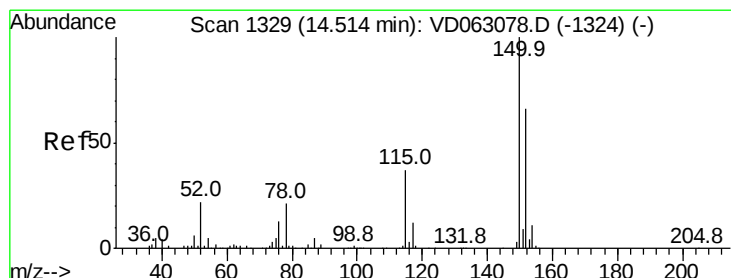
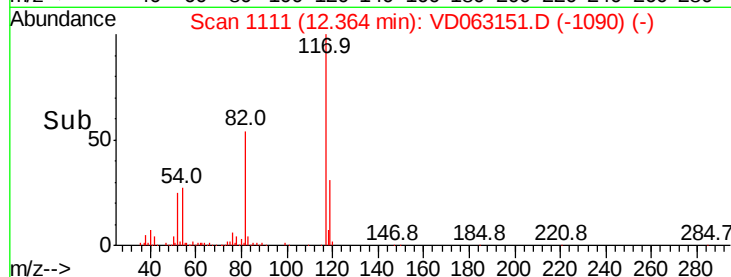
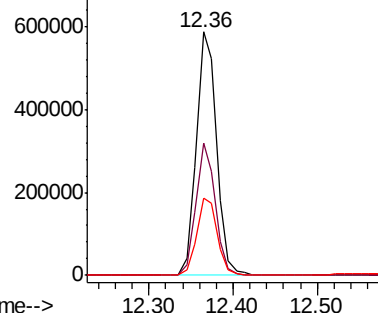
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063151.D
Acq: 19 Jul 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
SB-1(0-2)RE

Tot Ion:117 Resp: 977484
Ion Ratio Lower Upper
117 100
82 54.4 42.3 63.5
119 31.7 25.2 37.8

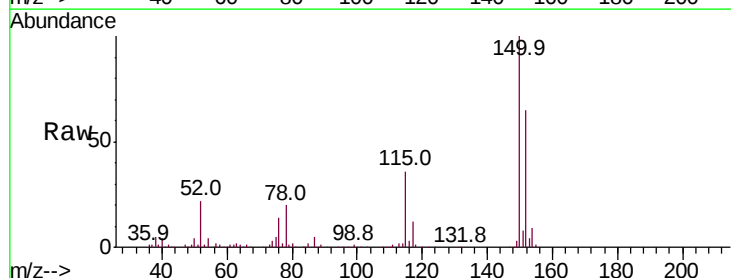


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063151.D
Acq: 19 Jul 2019 14:02

Tgt Ion:152 Resp: 389378
Ion Ratio Lower Upper
152 100
115 55.7 28.9 86.8
150 154.2 0.0 313.8



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

