

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063180.D
 Acq On : 22 Jul 2019 16:42
 Operator : VA/AP
 Sample : K3916-02
 Misc : 6.16g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GIS-BUILDING-2

Quant Time: Jul 23 08:27:26 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	939409	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	1281109	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	1062045	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	509550	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	702173	60.00	ug/l	0.03
Spiked Amount	50.000		Recovery	=	120.00%	
35) Dibromofluoromethane	6.94	113	773639	60.63	ug/l	0.03
Spiked Amount	50.000		Recovery	=	121.26%	
50) Toluene-d8	10.43	98	1700575	62.04	ug/l	0.03
Spiked Amount	50.000		Recovery	=	124.08%	
62) 4-Bromofluorobenzene	13.57	95	727387	57.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	114.72%	

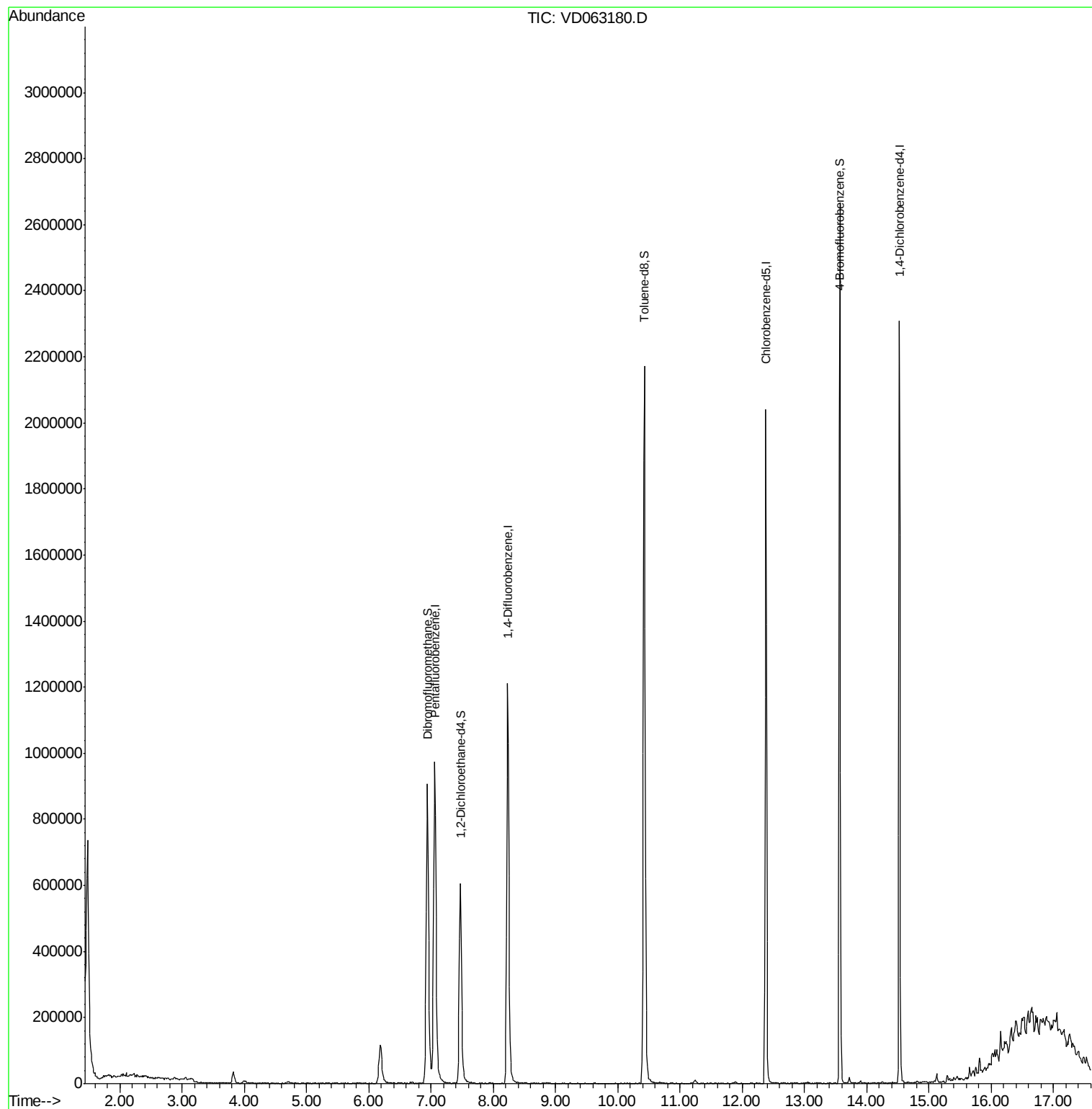
Target Compounds	Qvalue

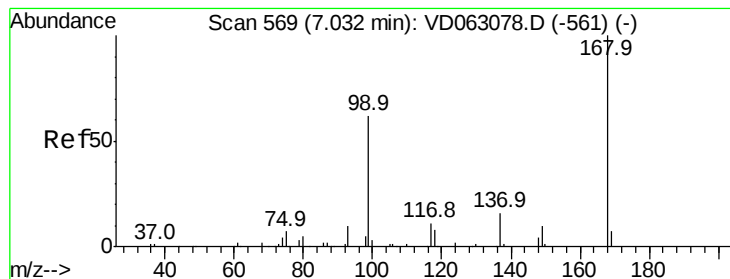
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD063180.D

Acq: 22 Jul 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

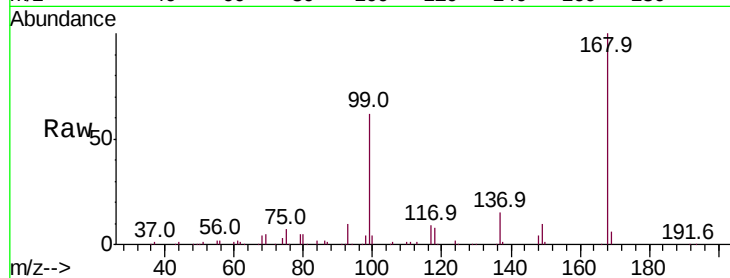
GIS-BUILDING-2

Tot Ion:168 Resp: 939409

Ion Ratio Lower Upper

168 100

99 62.1 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

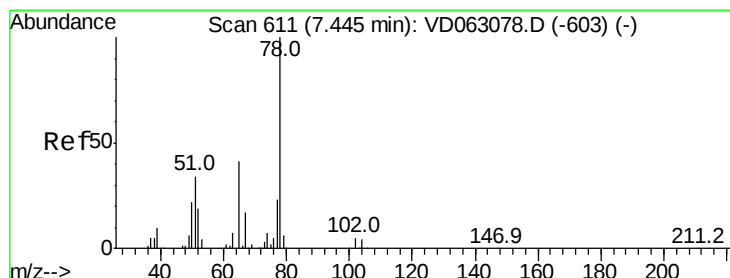
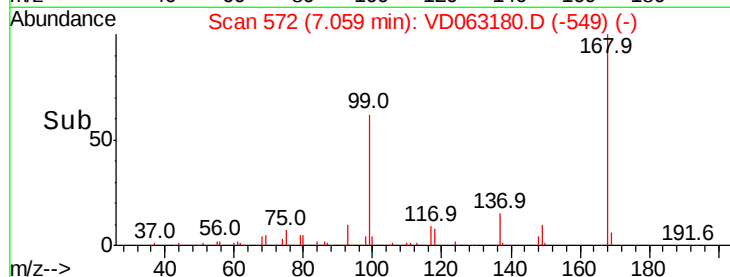
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 60.004 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD063180.D

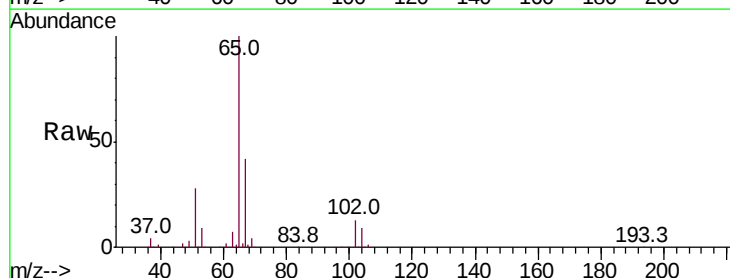
Acq: 22 Jul 2019 16:42

Tgt Ion: 65 Resp: 702173

Ion Ratio Lower Upper

65 100

67 42.1 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

300000

250000

200000

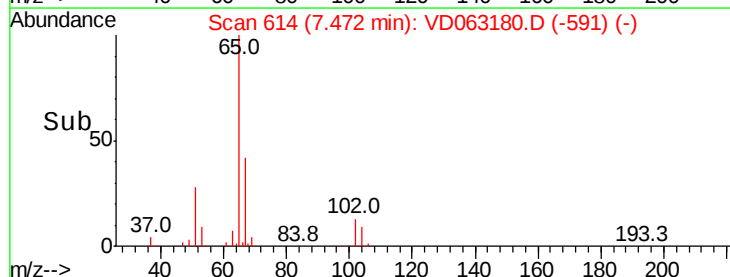
150000

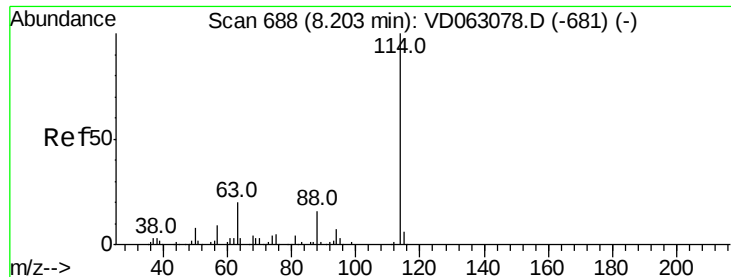
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD063180.D

Acq: 22 Jul 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

GIS-BUILDING-2

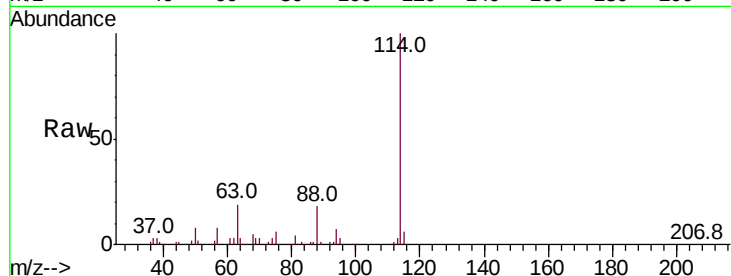
Tot Ion:114 Resp: 1281109

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.6

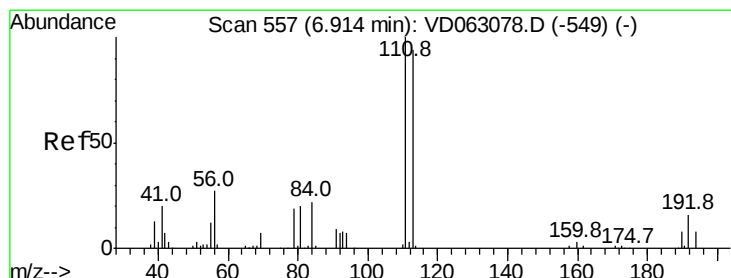
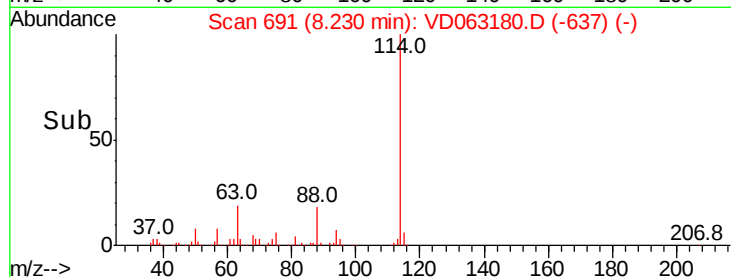
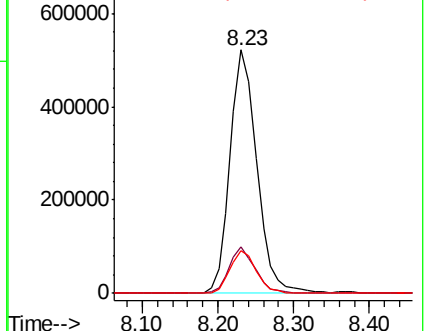
88 17.5 0.0 32.6



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: 60.629 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD063180.D

Acq: 22 Jul 2019 16:42

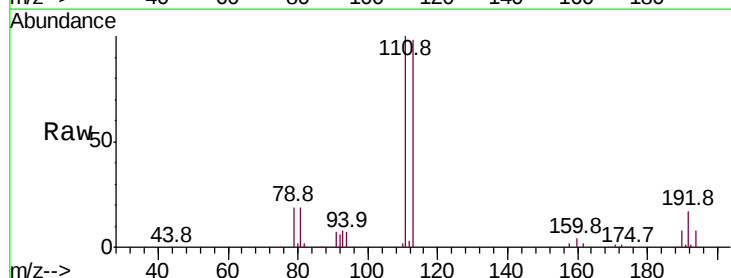
Tgt Ion:113 Resp: 773639

Ion Ratio Lower Upper

113 100

111 101.9 84.8 127.2

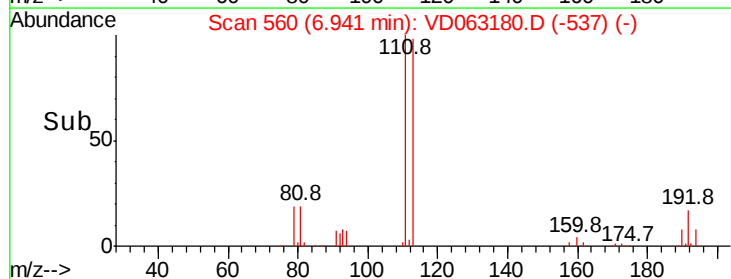
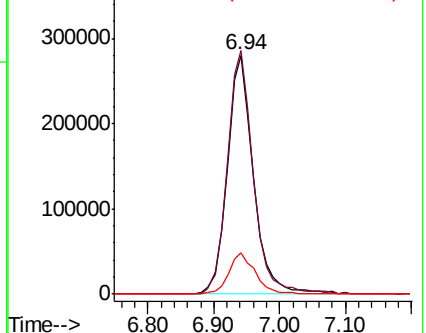
192 17.5 13.4 20.0

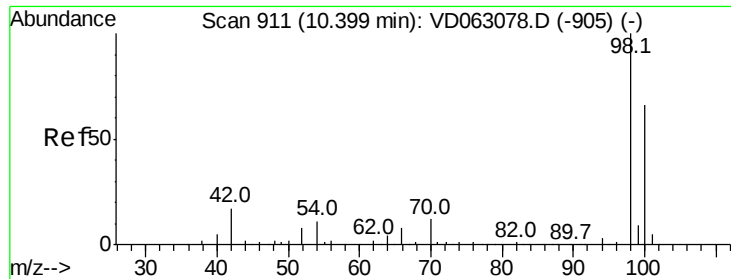


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 62.045 ug/l

RT: 10.43 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD063180.D

Acq: 22 Jul 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

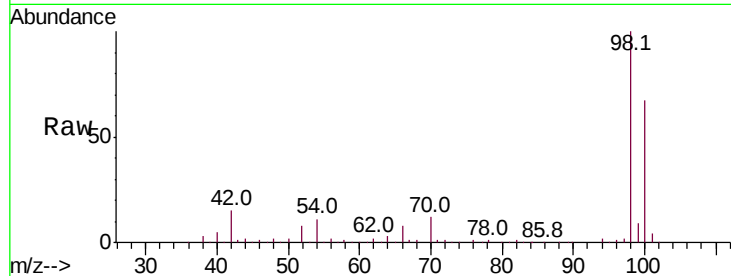
GIS-BUILDING-2

Tot Ion: 98 Resp: 1700575

Ion Ratio Lower Upper

98 100

100 67.1 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VD063180.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063180.D (-905) (-)

10.43

800000

600000

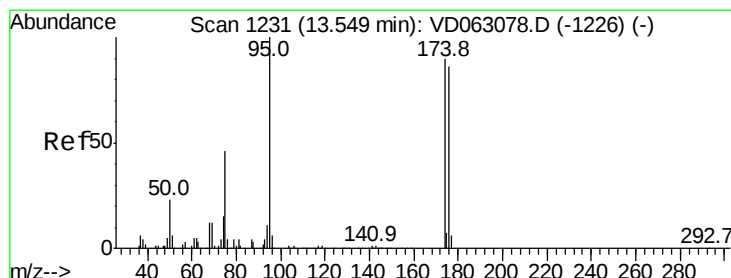
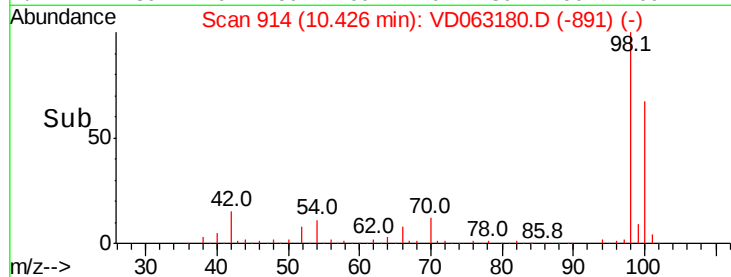
400000

200000

0

10.40 10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 57.363 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD063180.D

Acq: 22 Jul 2019 16:42

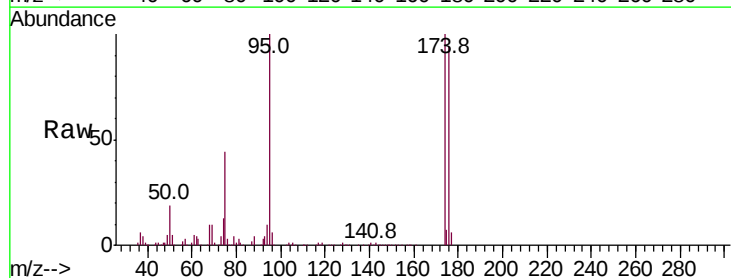
Tgt Ion: 95 Resp: 727387

Ion Ratio Lower Upper

95 100

174 99.9 0.0 180.6

176 94.3 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): VD063180.D (-1211) (-)

Ion 173.90 (173.60 to 174.60): VD063180.D (-1211) (-)

Ion 175.90 (175.60 to 176.60): VD063180.D (-1211) (-)

13.57

600000

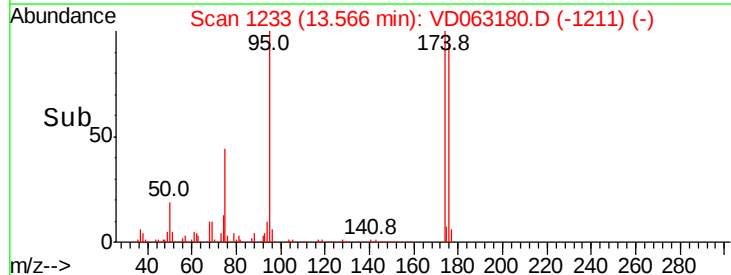
400000

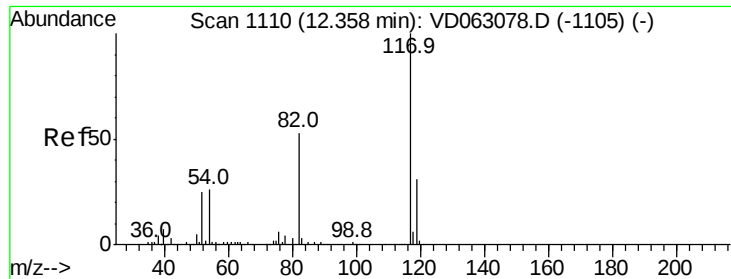
200000

0

13.50 13.60

Time-->

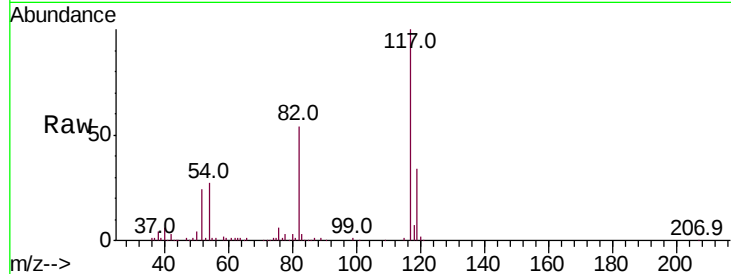




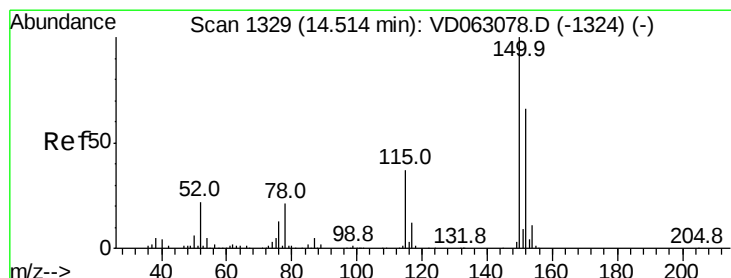
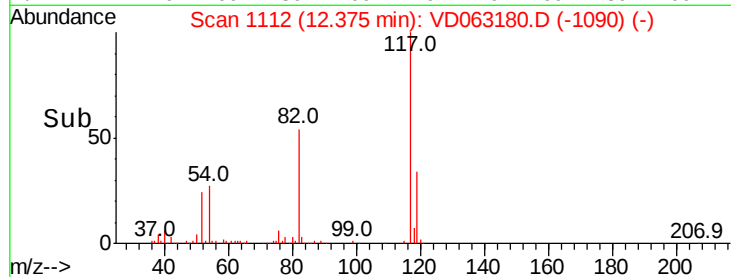
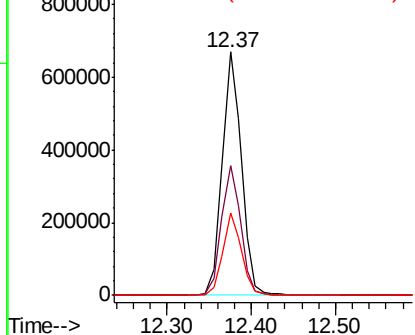
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD063180.D
Acq: 22 Jul 2019 16:42

Instrument :
MSVOA_D
ClientSampleId :
GIS-BUILDING-2

Tot Ion:117 Resp: 1062045
Ion Ratio Lower Upper
117 100
82 53.5 42.3 63.5
119 33.7 25.2 37.8

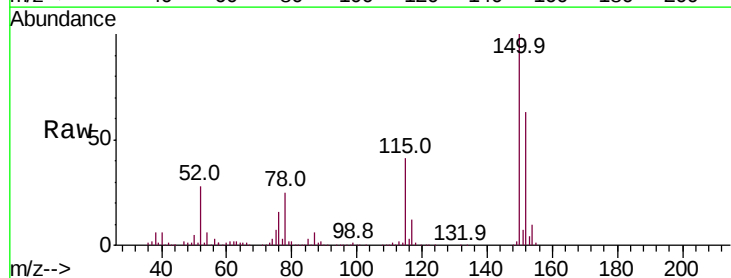


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063180.D
Acq: 22 Jul 2019 16:42

Tgt Ion:152 Resp: 509550
Ion Ratio Lower Upper
152 100
115 65.1 28.9 86.8
150 159.9 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

