

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063178.D
 Acq On : 22 Jul 2019 15:47
 Operator : VA/AP
 Sample : K3868-11
 Misc : 4.43g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Quant Time: Jul 23 08:21:12 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	7.07	168	877141	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1197446	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	987957	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	499643	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	612178	56.03	ug/l	0.02
Spiked Amount			Recovery	=	112.06%	
35) Dibromofluoromethane	6.94	113	660614	55.39	ug/l	0.02
Spiked Amount			Recovery	=	110.78%	
50) Toluene-d8	10.42	98	1353103	52.82	ug/l	0.02
Spiked Amount			Recovery	=	105.64%	
62) 4-Bromofluorobenzene	13.56	95	610751	51.53	ug/l	0.01
Spiked Amount			Recovery	=	103.06%	

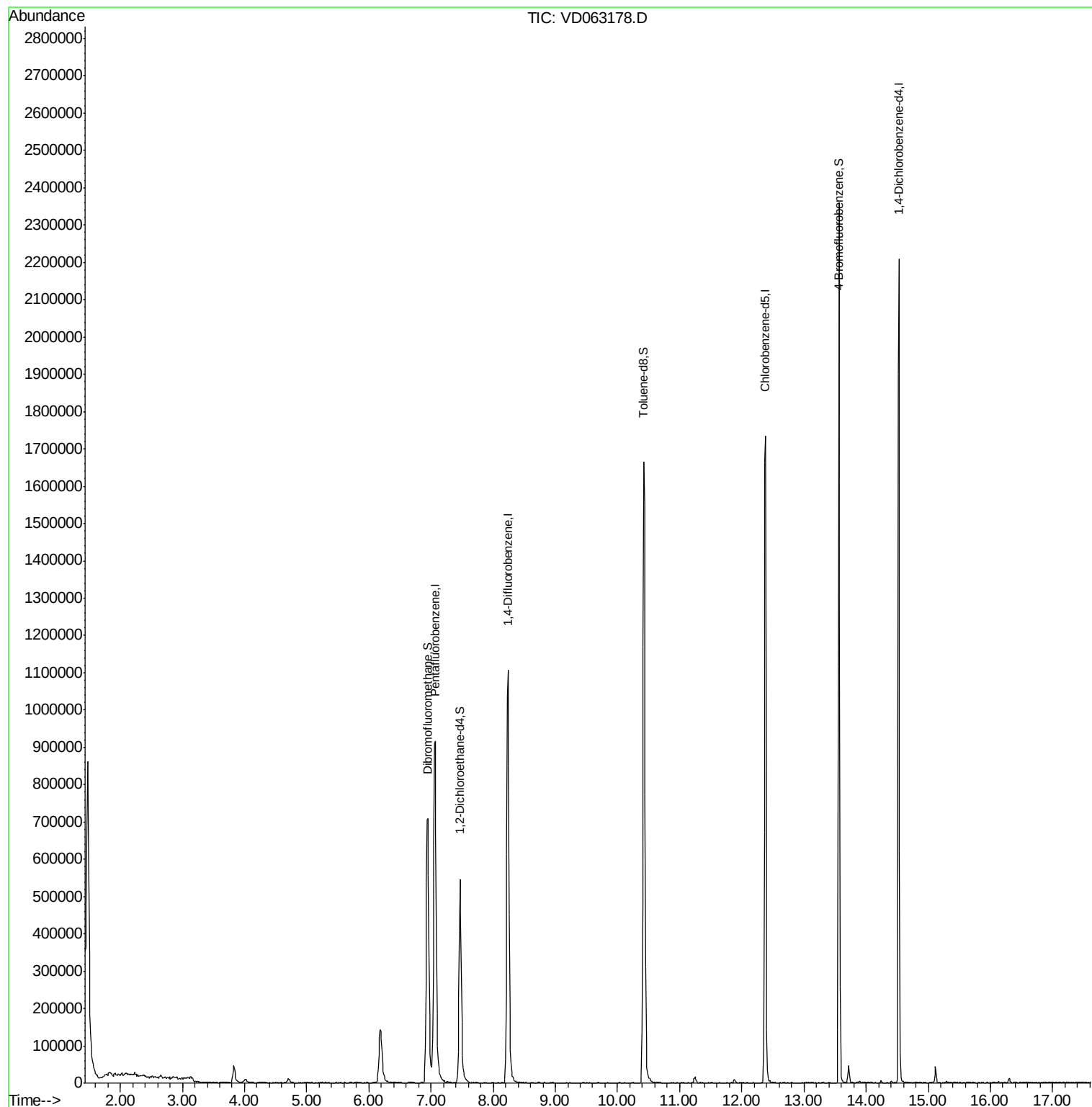
Target Compounds	Qvalue
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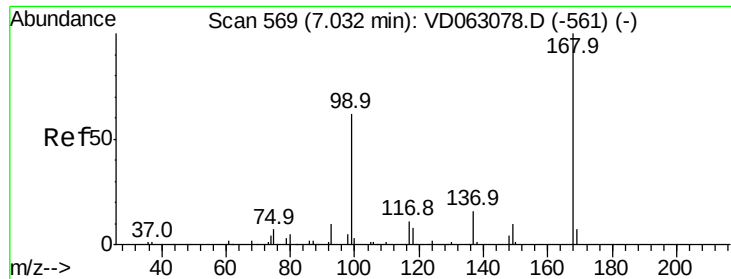
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD063178.D

Acq: 22 Jul 2019 15:47

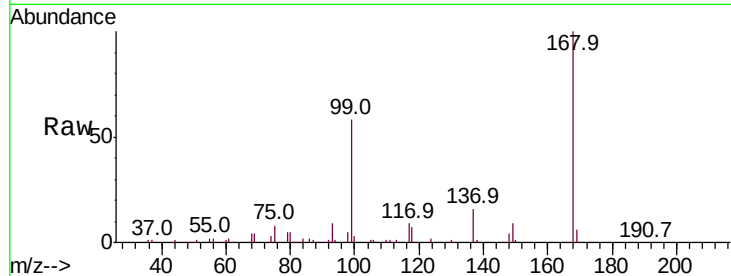
Instrument :
MSVOA_D
ClientSampled :
TP-4

Tot Ion:168 Resp: 877141

Ion Ratio Lower Upper

168 100

99 58.3 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

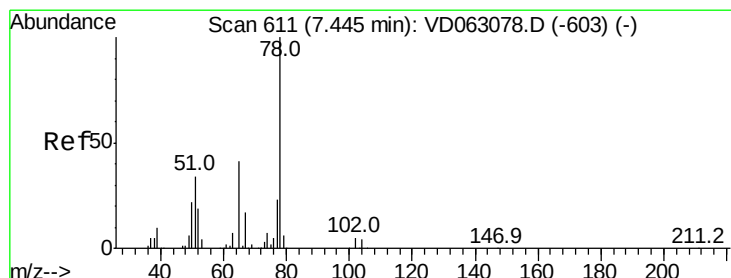
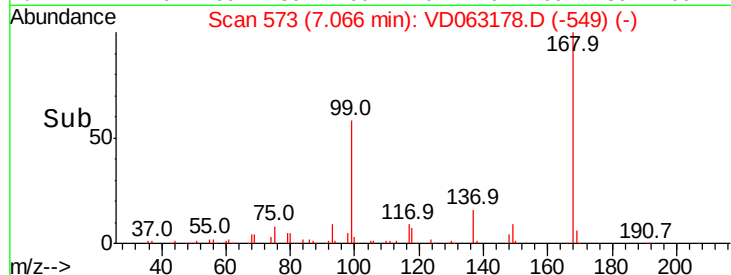
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#33

1,2-Dichloroethane-d4

Concen: 56.027 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD063178.D

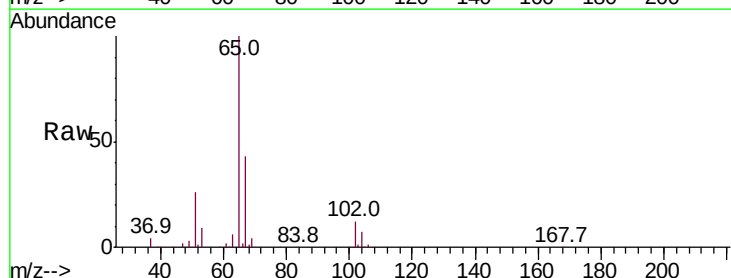
Acq: 22 Jul 2019 15:47

Tgt Ion: 65 Resp: 612178

Ion Ratio Lower Upper

65 100

67 43.4 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

250000

200000

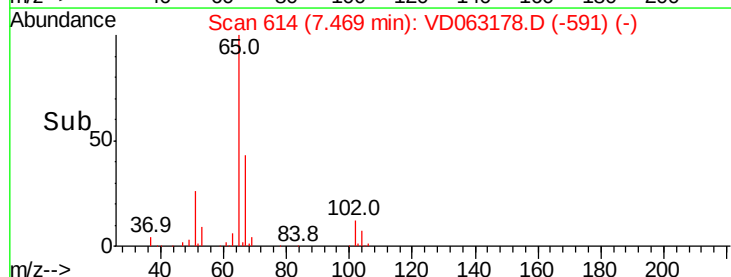
150000

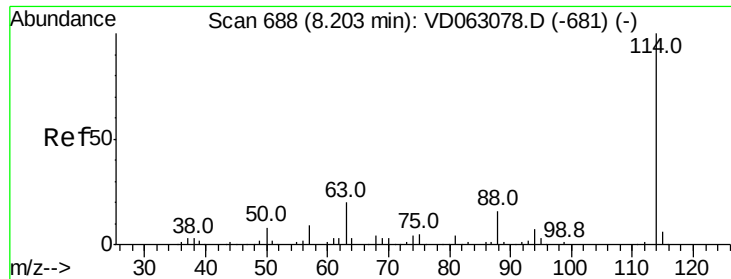
100000

50000

0

Time--> 7.30 7.40 7.50 7.60 7.70



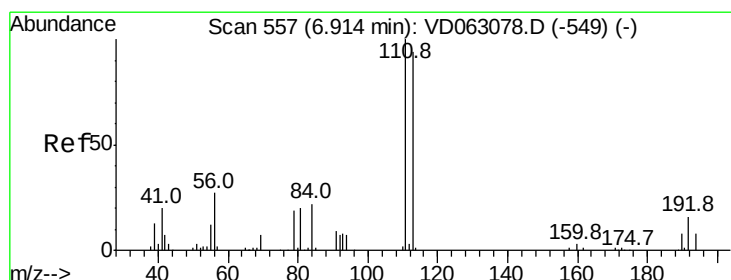
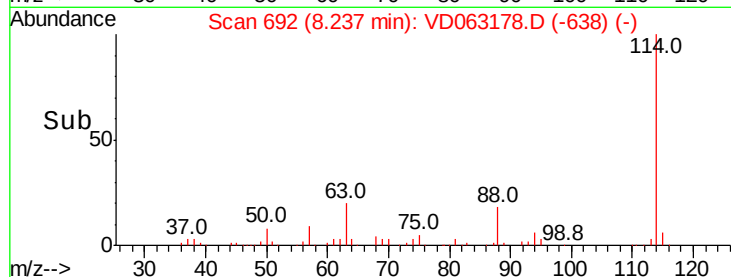
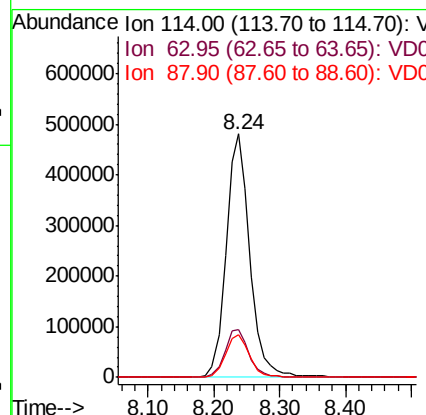
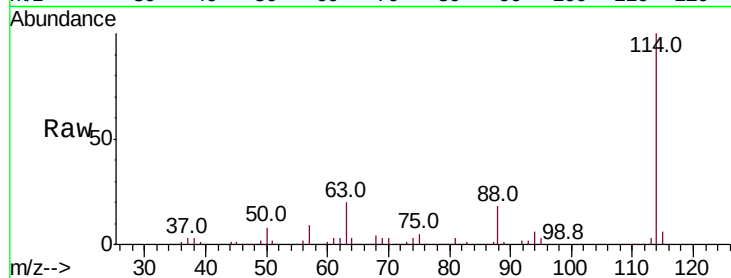


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD063178.D
 Acq: 22 Jul 2019 15:47

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Tot Ion:114 Resp: 1197446

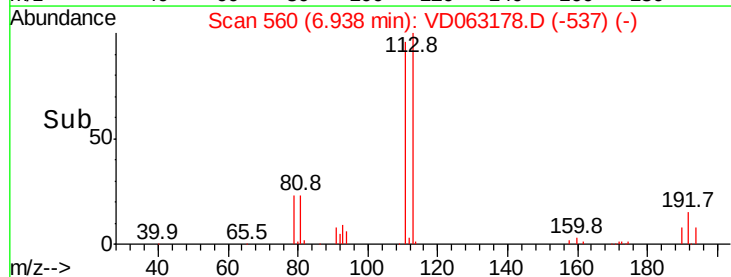
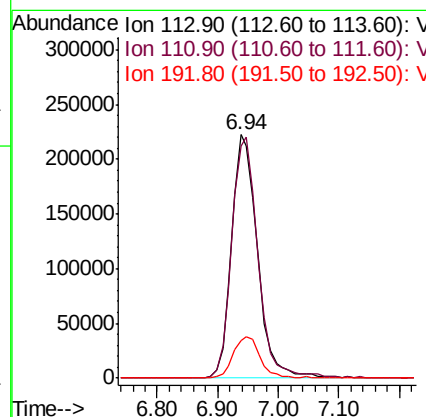
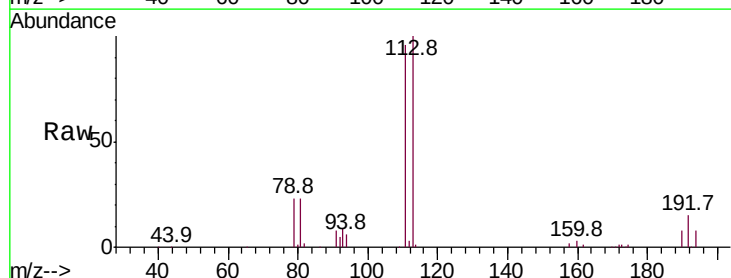
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.6
88	17.6	0.0	32.6

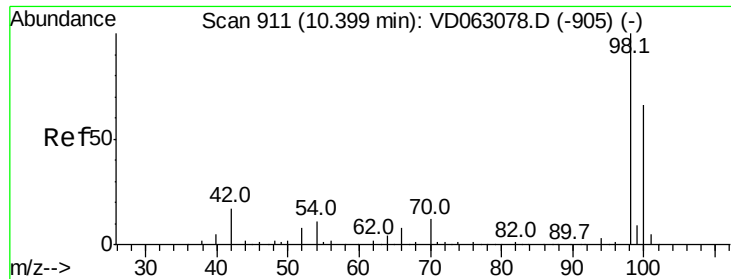


#35
 Dibromofluoromethane
 Concen: 55.389 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD063178.D
 Acq: 22 Jul 2019 15:47

Tgt Ion:113 Resp: 660614

Ion	Ratio	Lower	Upper
113	100		
111	95.6	84.8	127.2
192	15.4	13.4	20.0





#50

Toluene-d8

Concen: 52.816 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD063178.D

Acq: 22 Jul 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

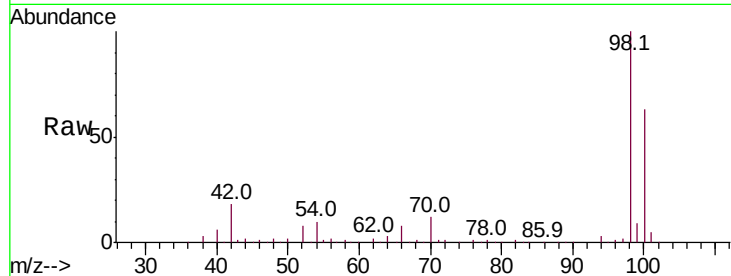
TP-4

Tot Ion: 98 Resp: 1353103

Ion Ratio Lower Upper

98 100

100 63.2 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VD063178.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063178.D (-905) (-)

10.42

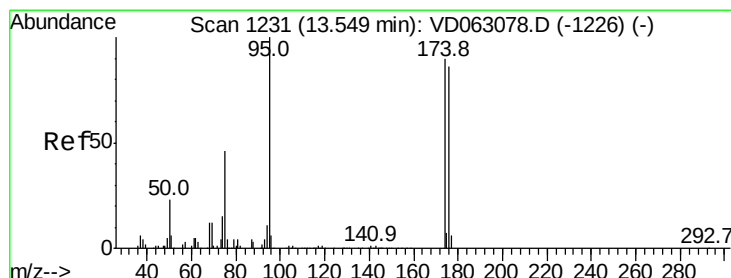
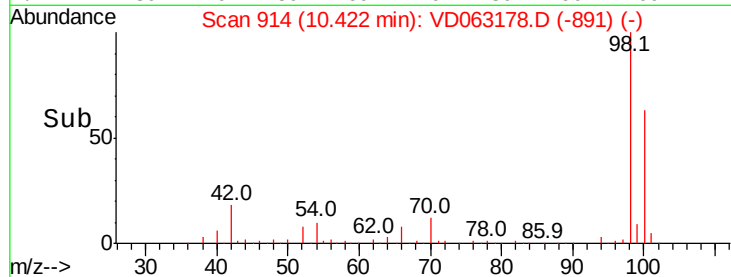
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.530 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063178.D

Acq: 22 Jul 2019 15:47

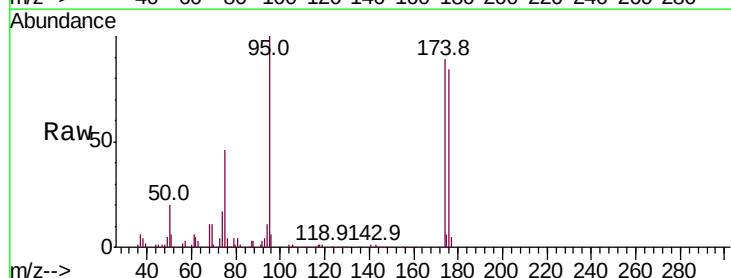
Tgt Ion: 95 Resp: 610751

Ion Ratio Lower Upper

95 100

174 88.8 0.0 180.6

176 84.4 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): VD063178.D (-1211) (-)

Ion 173.90 (173.60 to 174.60): VD063178.D (-1211) (-)

Ion 175.90 (175.60 to 176.60): VD063178.D (-1211) (-)

600000

500000

400000

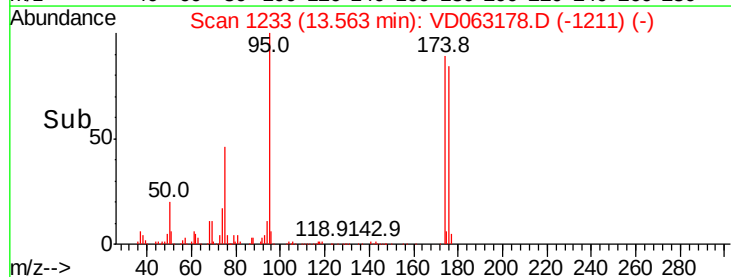
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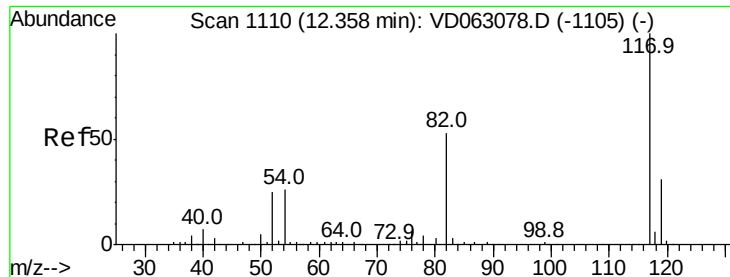
200000

100000

0

Time-->

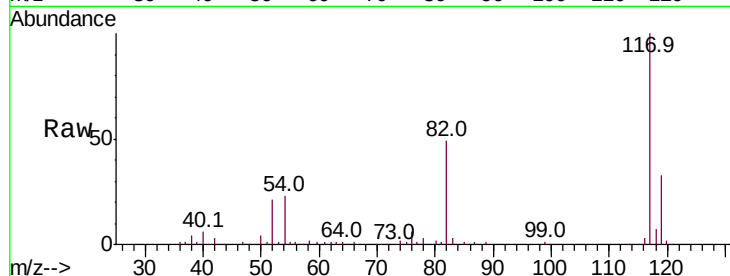




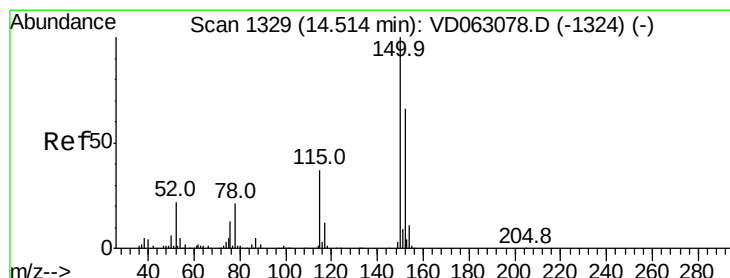
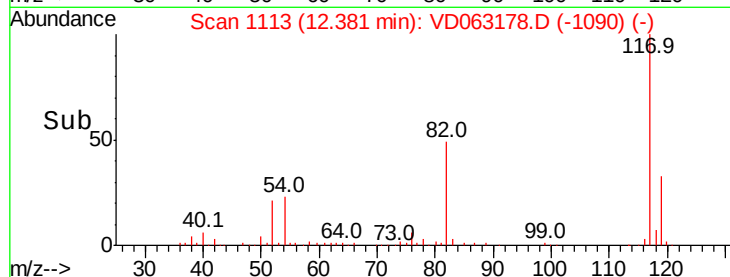
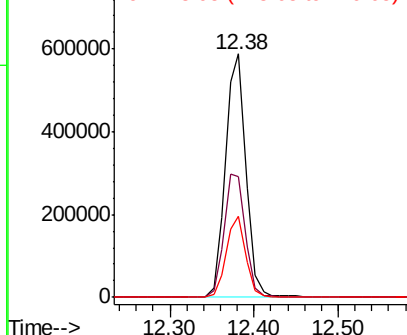
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD063178.D
Acq: 22 Jul 2019 15:47

Instrument :
MSVOA_D
ClientSampleId :
TP-4

Tot Ion:117 Resp: 987957
Ion Ratio Lower Upper
117 100
82 49.3 42.3 63.5
119 33.3 25.2 37.8

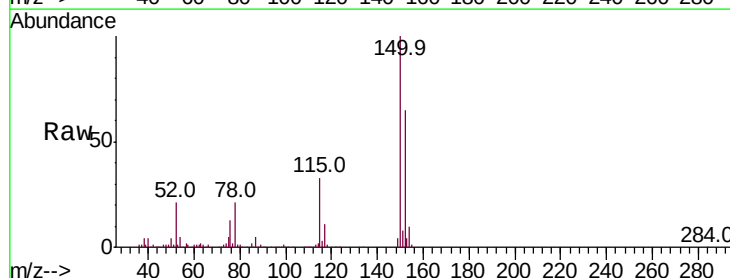


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063178.D
Acq: 22 Jul 2019 15:47

Tgt Ion:152 Resp: 499643
Ion Ratio Lower Upper
152 100
115 50.9 28.9 86.8
150 153.1 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

