

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063113.D
 Acq On : 16 Jul 2019 18:17
 Operator : VA/AP
 Sample : K3622-05
 Misc : 6.54g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-071519-A

Quant Time: Jul 17 08:25:59 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	7.04	168	607739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	816732	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	569830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	236319	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	342594	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	
35) Dibromofluoromethane	6.92	113	373916	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
50) Toluene-d8	10.40	98	539090	30.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.70%	
62) 4-Bromofluorobenzene	13.54	95	259621	32.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.24%	

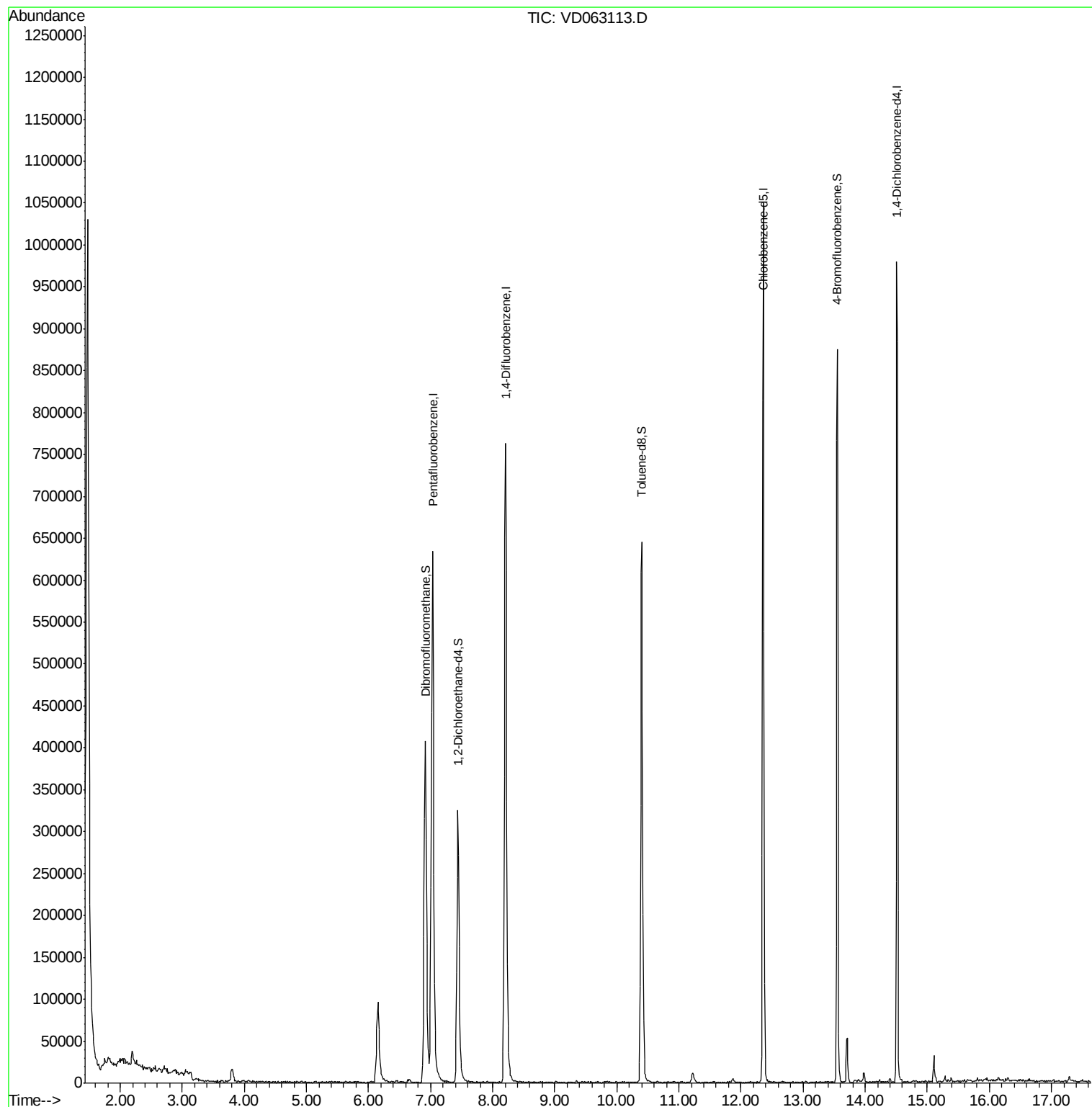
Target Compounds	Qvalue

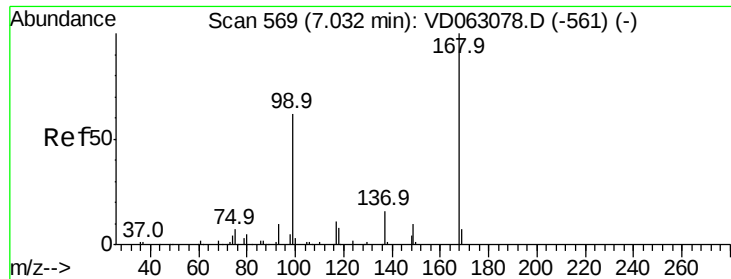
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071619\
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QLast Update : Tue Jul 16 08:11:56 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063113.D

Acq: 16 Jul 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

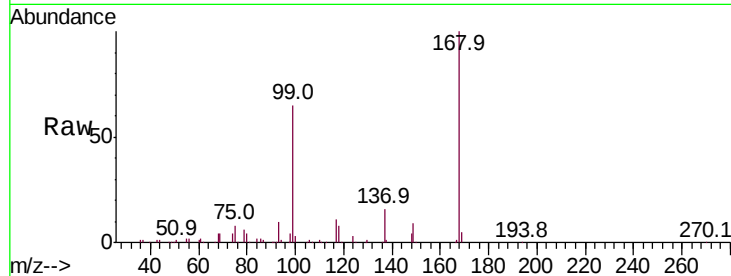
OR-03-071519-A

Tot Ion:168 Resp: 607739

Ion Ratio Lower Upper

168 100

99 64.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

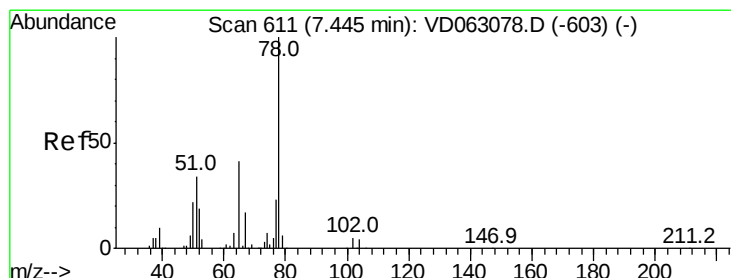
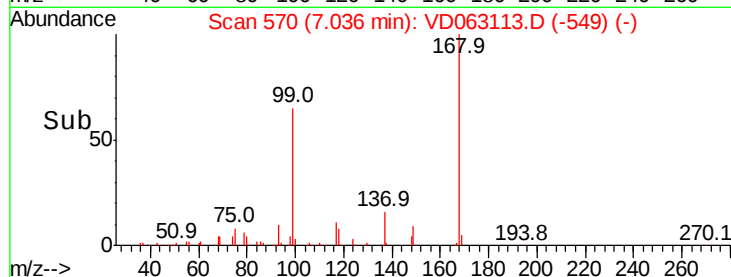
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.253 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD063113.D

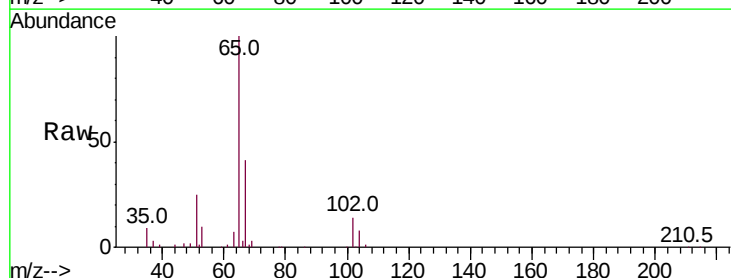
Acq: 16 Jul 2019 18:17

Tgt Ion: 65 Resp: 342594

Ion Ratio Lower Upper

65 100

67 41.2 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

150000

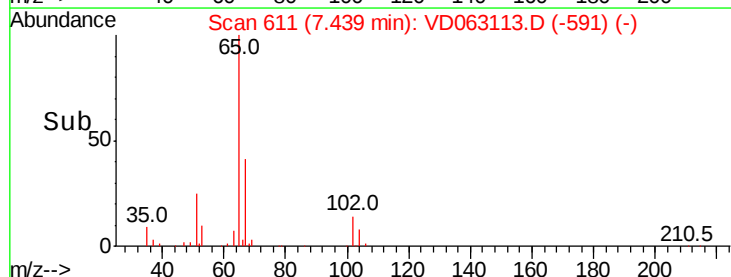
100000

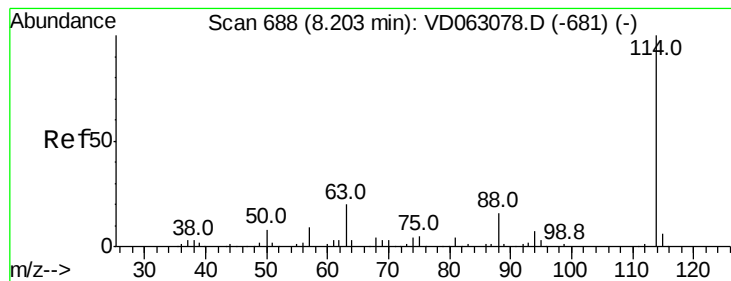
50000

0

7.30 7.40 7.50 7.60

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063113.D

Acq: 16 Jul 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

OR-03-071519-A

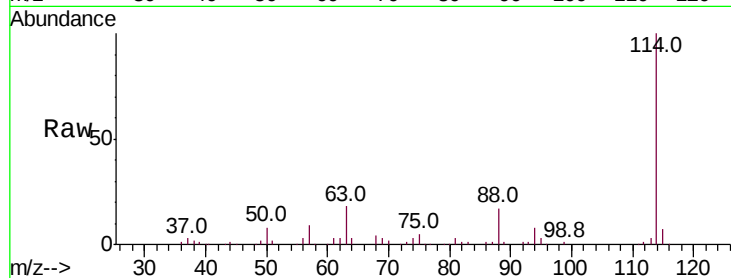
Tot Ion:114 Resp: 816732

Ion Ratio Lower Upper

114 100

63 17.5 0.0 40.6

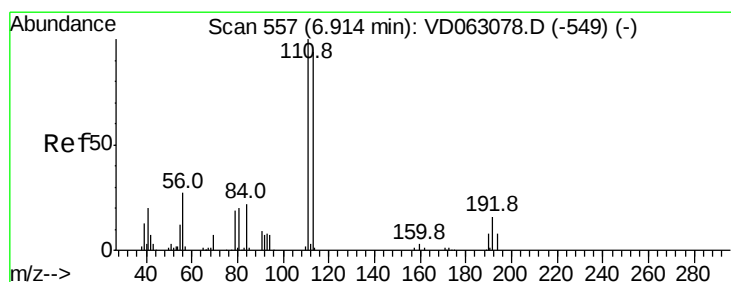
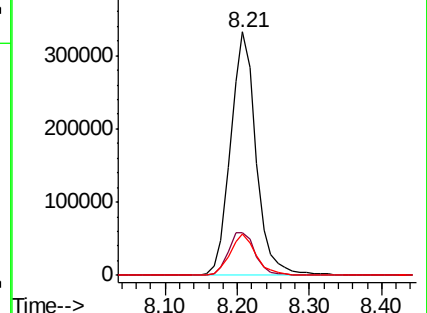
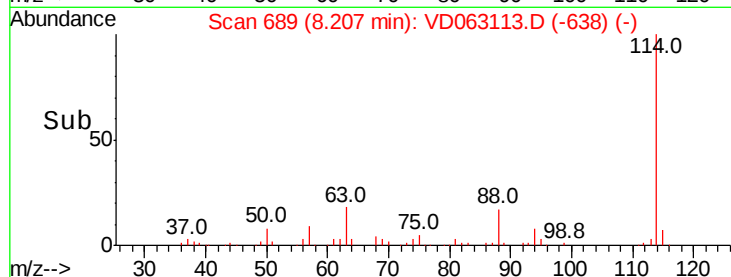
88 17.2 0.0 32.6



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: 45.965 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD063113.D

Acq: 16 Jul 2019 18:17

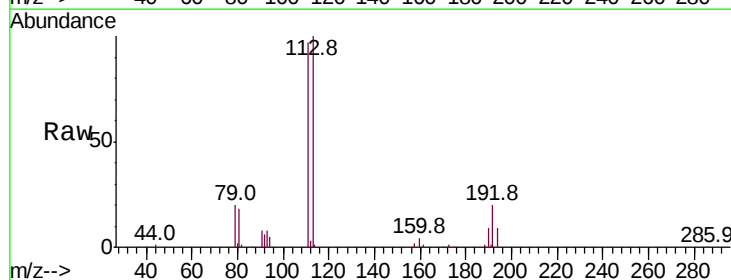
Tgt Ion:113 Resp: 373916

Ion Ratio Lower Upper

113 100

111 96.8 84.8 127.2

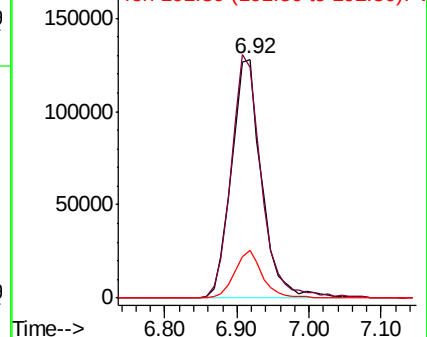
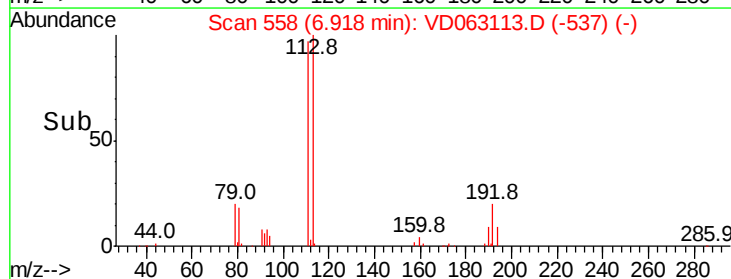
192 20.1 13.4 20.0#

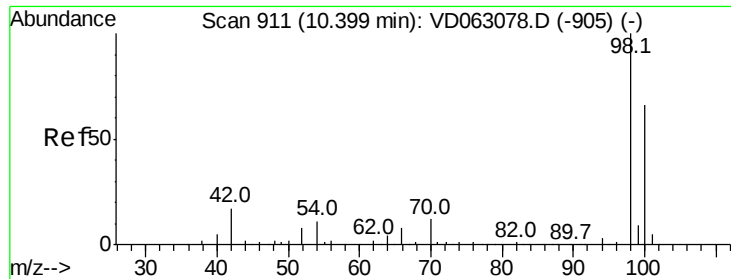


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 30.851 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063113.D

Acq: 16 Jul 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

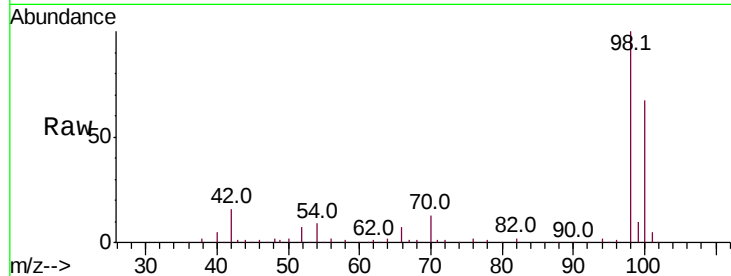
OR-03-071519-A

Tot Ion: 98 Resp: 539090

Ion Ratio Lower Upper

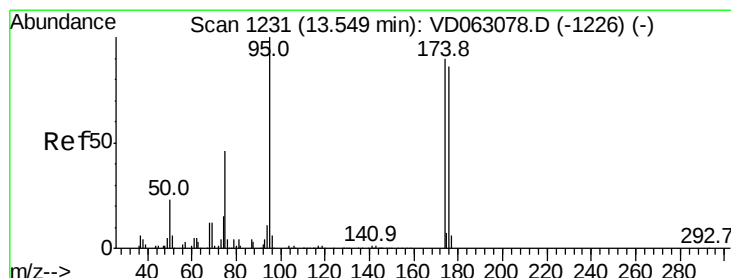
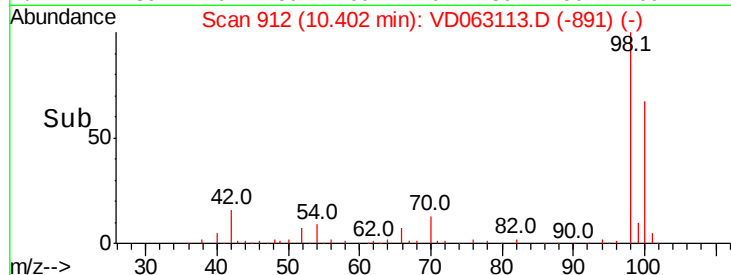
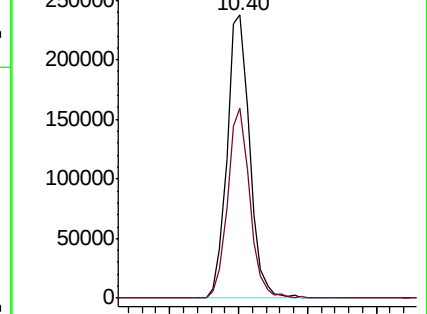
98 100

100 67.2 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: 32.116 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063113.D

Acq: 16 Jul 2019 18:17

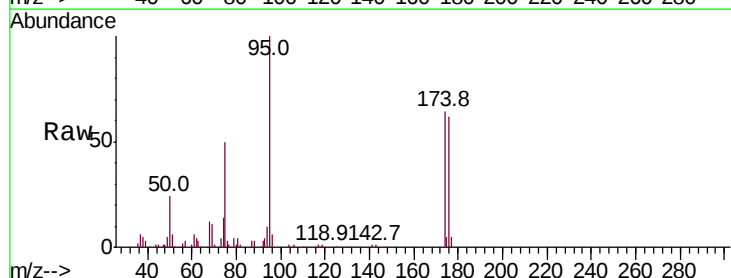
Tgt Ion: 95 Resp: 259621

Ion Ratio Lower Upper

95 100

174 63.9 0.0 180.6

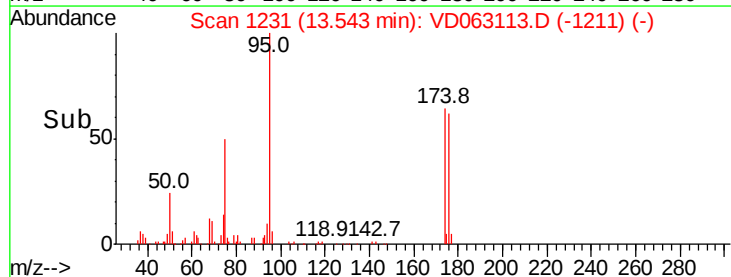
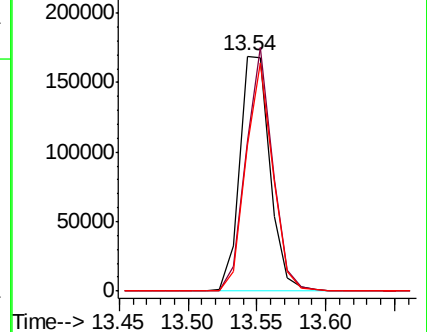
176 62.4 0.0 172.2

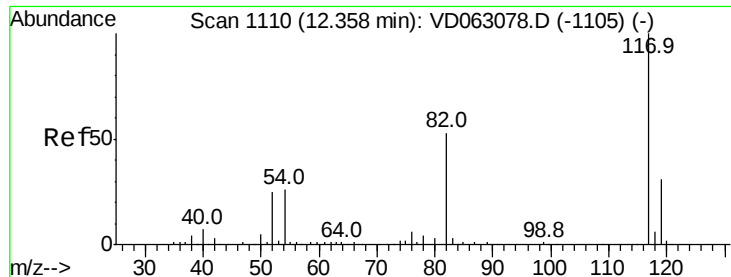


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

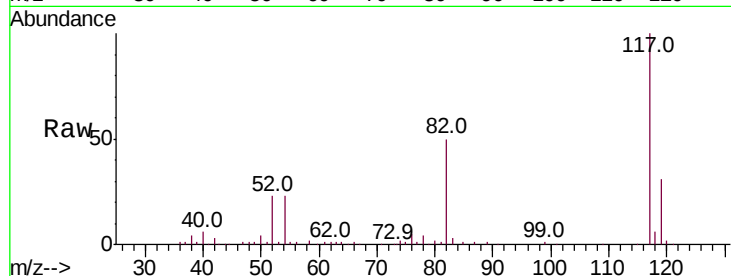




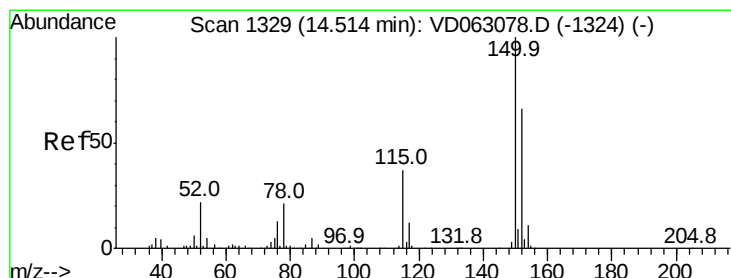
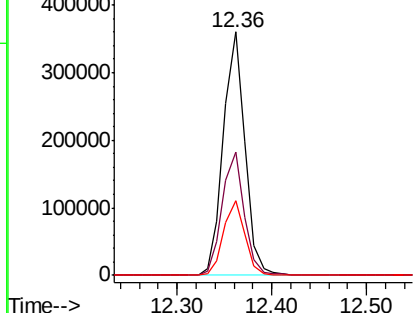
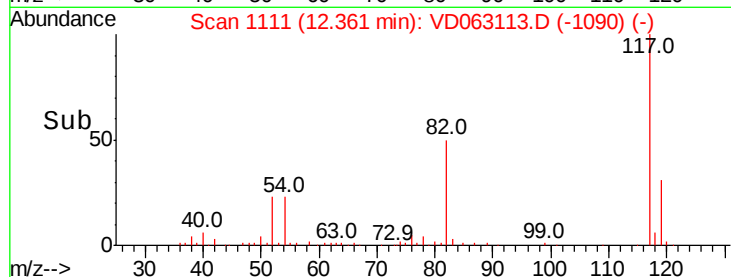
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063113.D
Acq: 16 Jul 2019 18:17

Instrument :
MSVOA_D
ClientSampleId :
OR-03-071519-A

Tot Ion:117 Resp: 569830
Ion Ratio Lower Upper
117 100
82 50.4 42.3 63.5
119 30.7 25.2 37.8

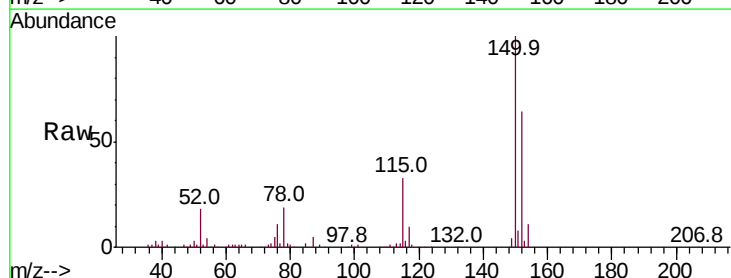


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063113.D
Acq: 16 Jul 2019 18:17

Tgt Ion:152 Resp: 236319
Ion Ratio Lower Upper
152 100
115 51.2 28.9 86.8
150 155.8 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

