

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063186.D
 Acq On : 22 Jul 2019 19:29
 Operator : VA/AP
 Sample : K3621-05
 Misc : 6.32g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-071919

Quant Time: Jul 23 08:48:08 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	838422	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1111299	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	787445	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	278216	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	609215	58.33	ug/l	0.01
Spiked Amount	50.000		Recovery	=	116.66%	
35) Dibromofluoromethane	6.93	113	677082	61.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	122.34%	
50) Toluene-d8	10.42	98	1279780	53.83	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.66%	
62) 4-Bromofluorobenzene	13.56	95	460502	41.87	ug/l	0.01
Spiked Amount	50.000		Recovery	=	83.74%	

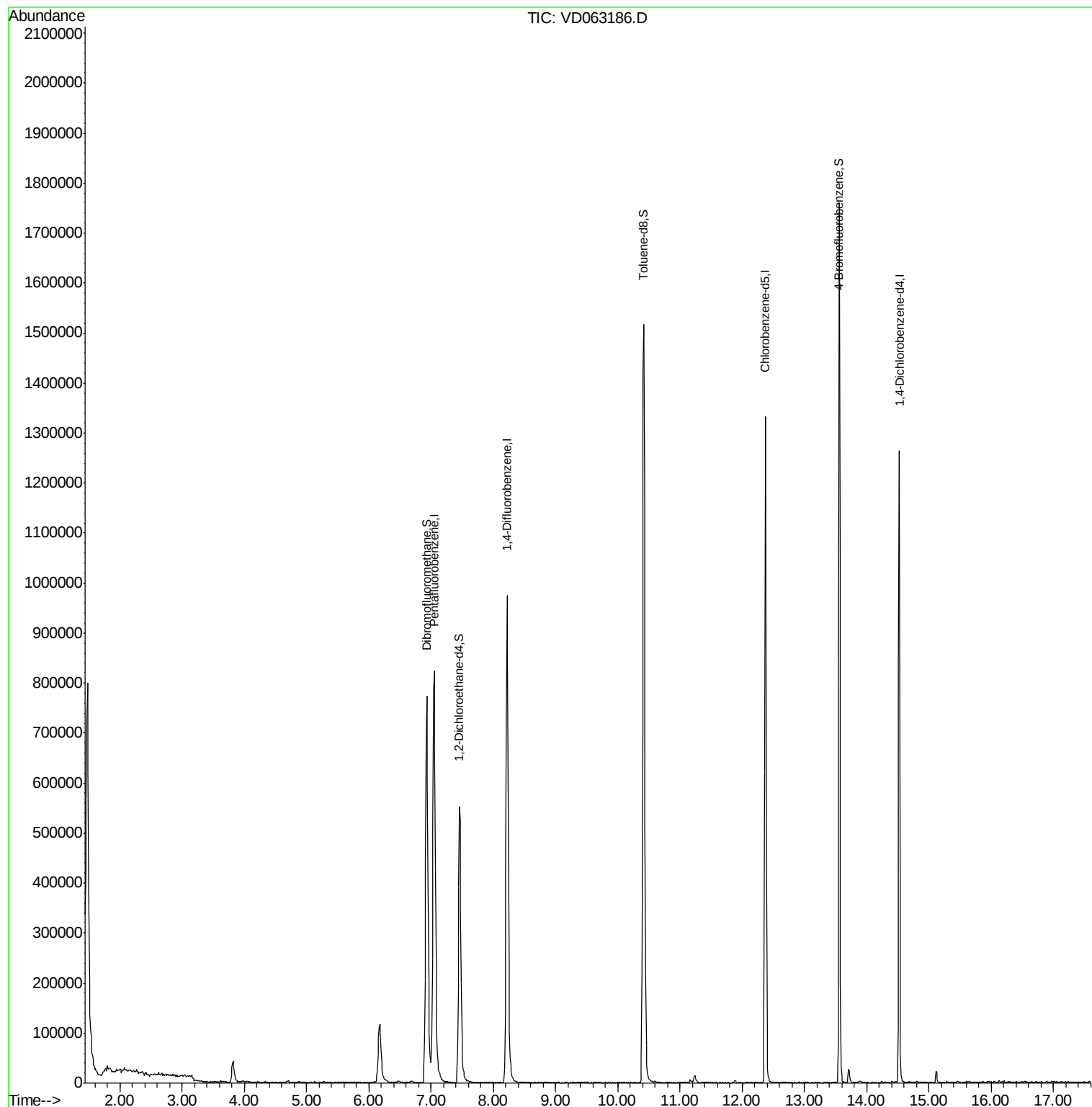
Target Compounds	Qvalue
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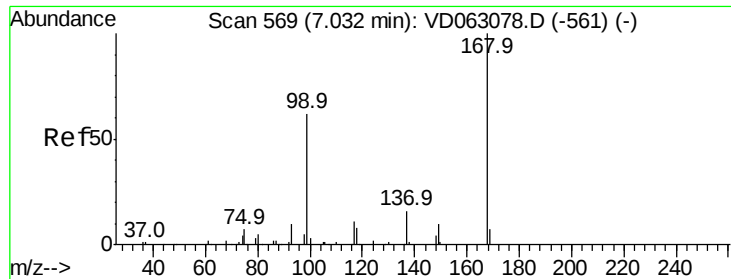
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063186.D

Acq: 22 Jul 2019 19:29

Instrument :

MSVOA_D

ClientSampleId :

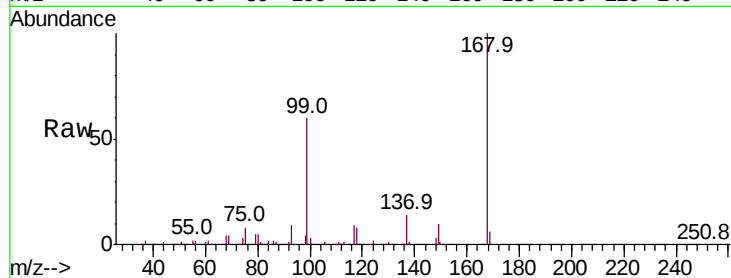
OK-02-071919

Tot Ion:168 Resp: 838422

Ion Ratio Lower Upper

168 100

99 59.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

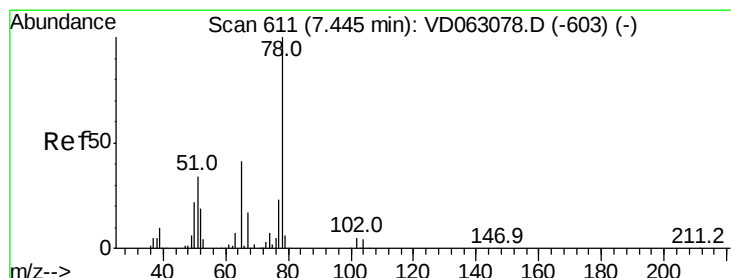
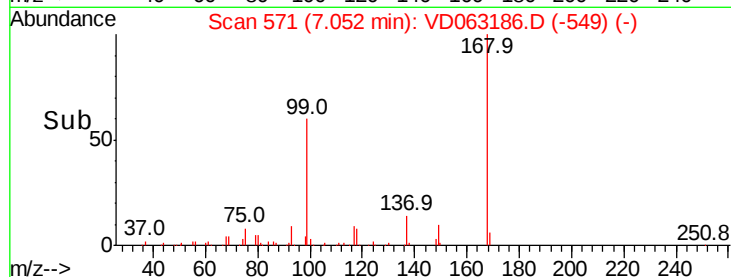
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#33

1,2-Dichloroethane-d4

Concen: 58.331 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063186.D

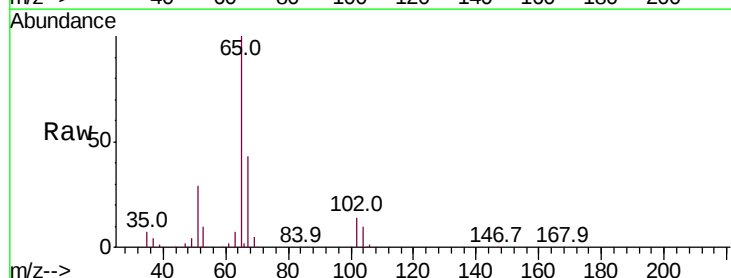
Acq: 22 Jul 2019 19:29

Tgt Ion: 65 Resp: 609215

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

7.46

250000

200000

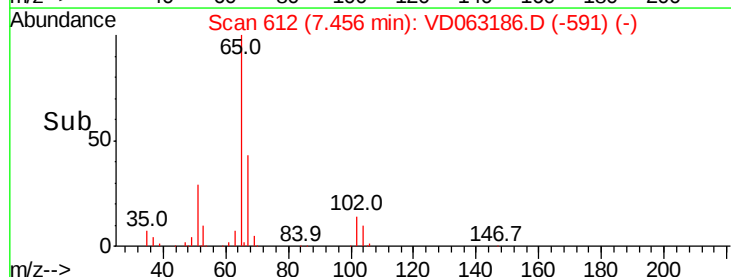
150000

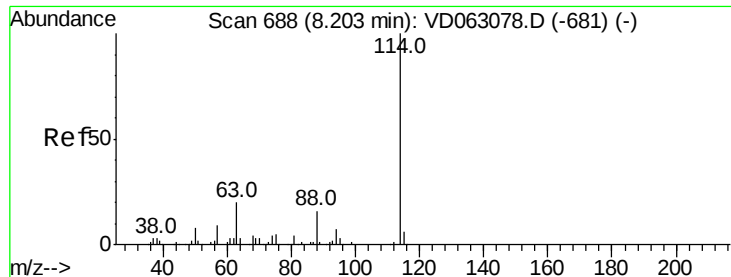
100000

50000

0

Time--> 7.30 7.40 7.50 7.60





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD063186.D

Acq: 22 Jul 2019 19:29

Instrument :

MSVOA_D

ClientSampleId :

OK-02-071919

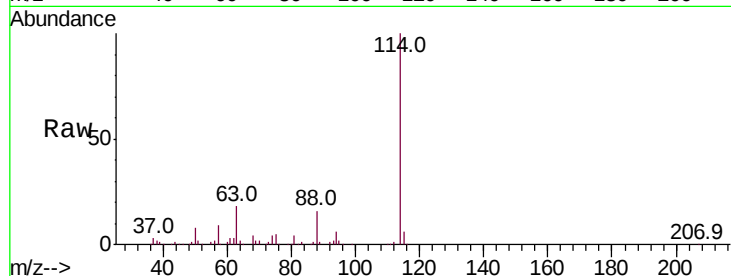
Tot Ion:114 Resp: 1111299

Ion Ratio Lower Upper

114 100

63 17.7 0.0 40.6

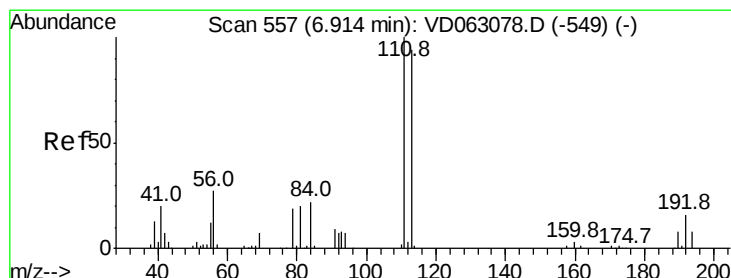
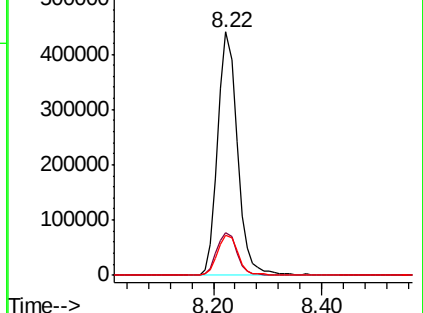
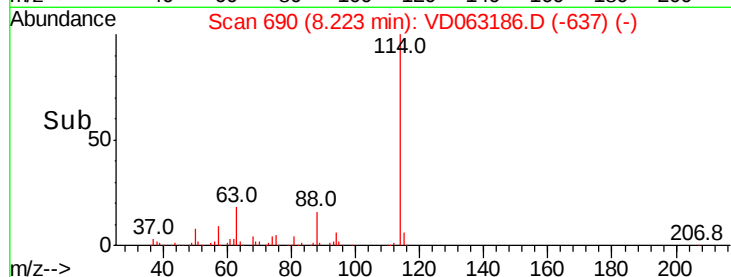
88 16.4 0.0 32.6



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: 61.170 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063186.D

Acq: 22 Jul 2019 19:29

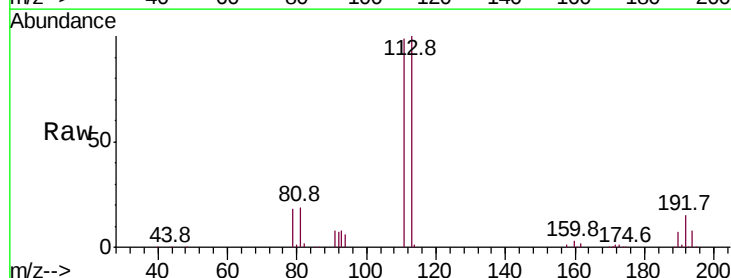
Tgt Ion:113 Resp: 677082

Ion Ratio Lower Upper

113 100

111 98.7 84.8 127.2

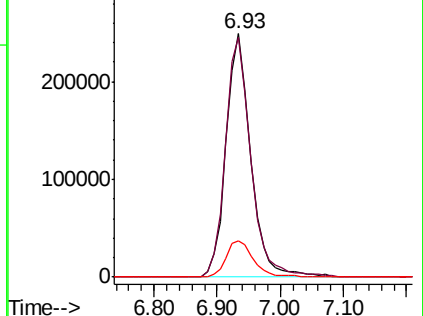
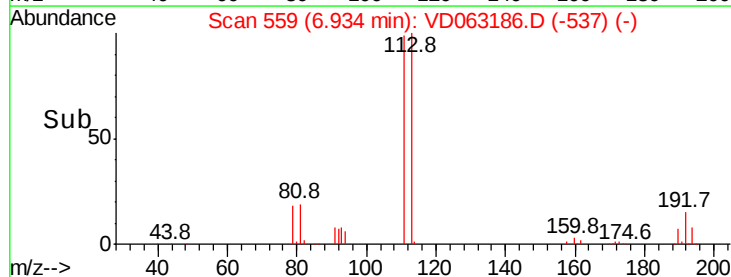
192 14.8 13.4 20.0

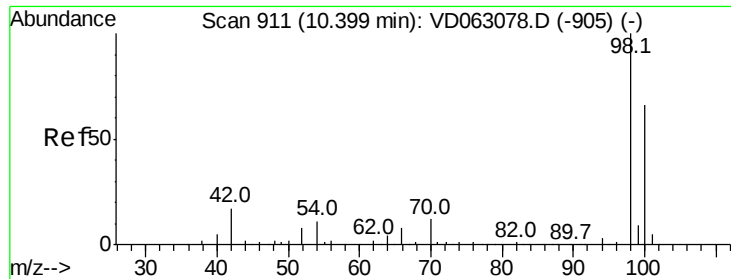


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 53.827 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD063186.D

Acq: 22 Jul 2019 19:29

Instrument :

MSVOA_D

ClientSampleId :

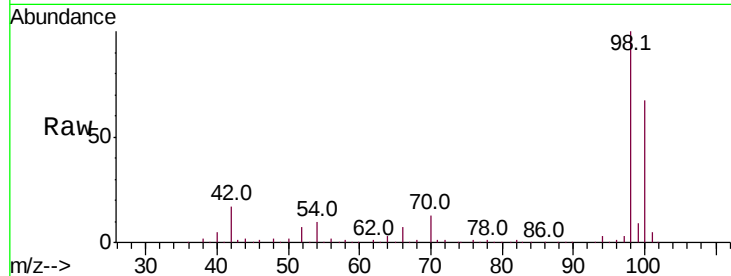
OK-02-071919

Tot Ion: 98 Resp: 1279780

Ion Ratio Lower Upper

98 100

100 66.7 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) (-)

10.42

600000

500000

400000

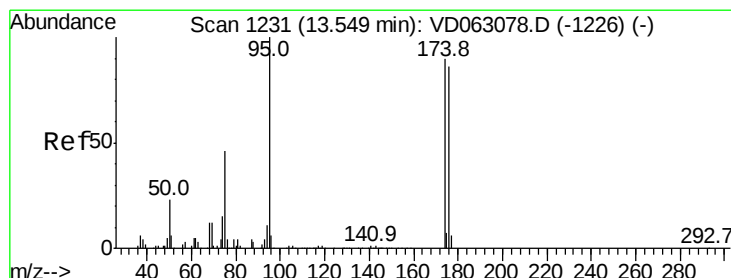
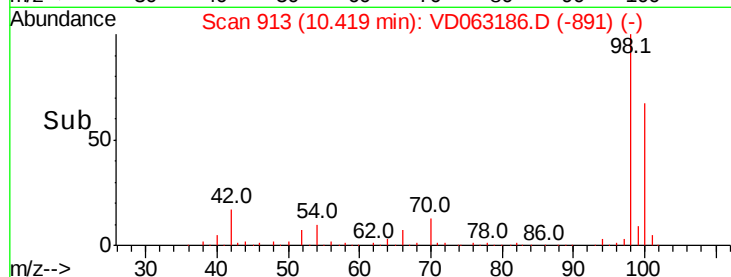
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.865 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063186.D

Acq: 22 Jul 2019 19:29

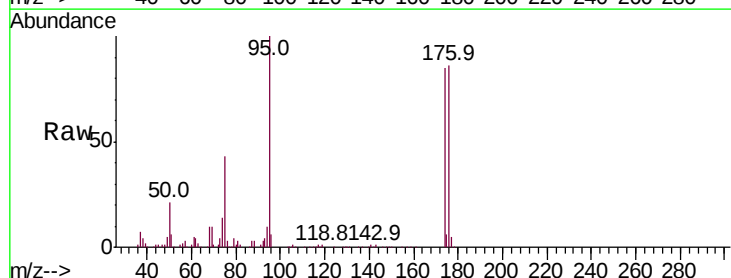
Tgt Ion: 95 Resp: 460502

Ion Ratio Lower Upper

95 100

174 84.8 0.0 180.6

176 86.4 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) (-)

500000

400000

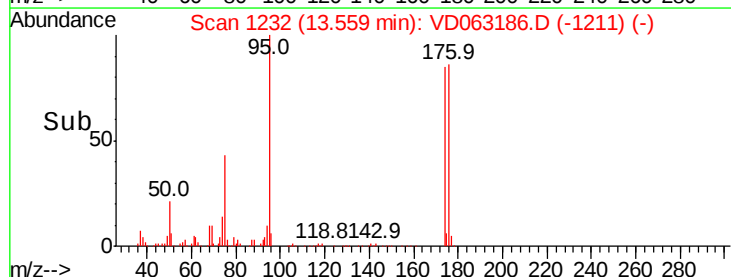
300000

200000

100000

0

Time-->



13.56

500000

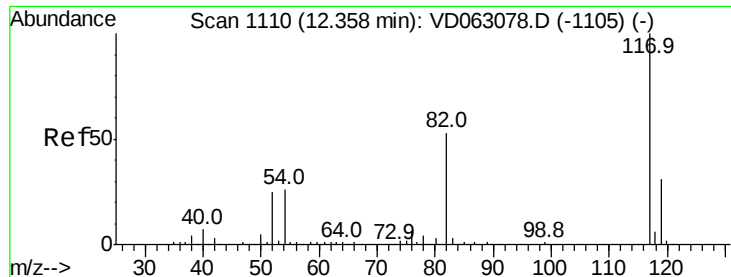
400000

300000

200000

100000

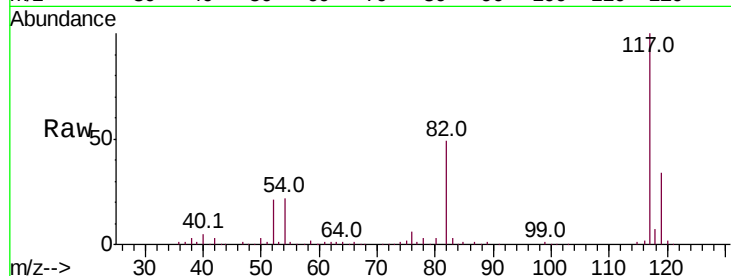
0



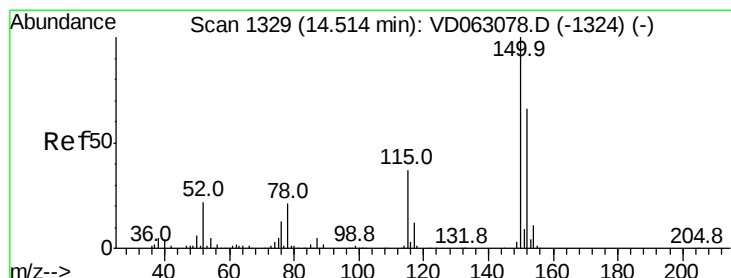
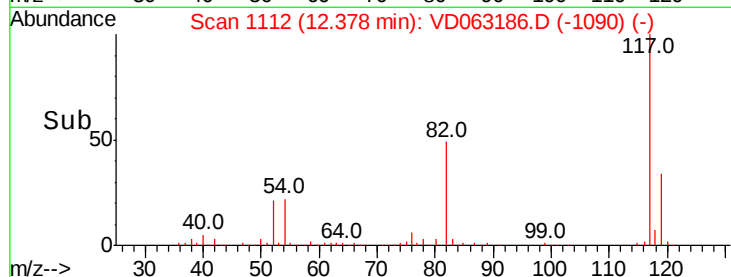
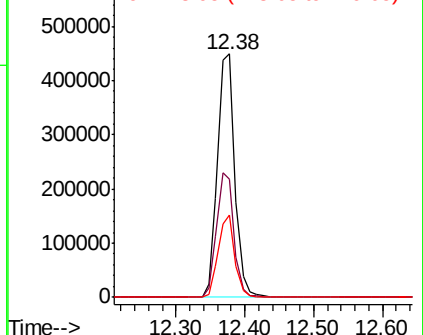
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD063186.D
Acq: 22 Jul 2019 19:29

Instrument :
MSVOA_D
ClientSampleId :
OK-02-071919

Tot Ion:117 Resp: 787445
Ion Ratio Lower Upper
117 100
82 48.6 42.3 63.5
119 33.6 25.2 37.8

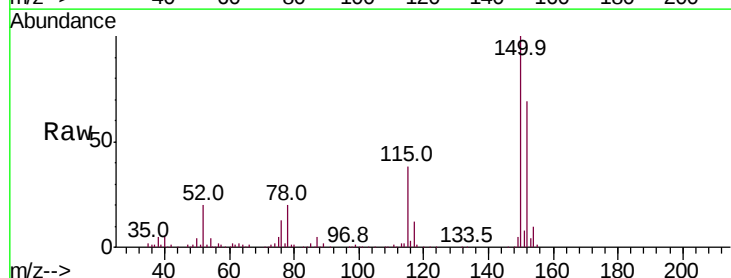


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063186.D
Acq: 22 Jul 2019 19:29

Tgt Ion:152 Resp: 278216
Ion Ratio Lower Upper
152 100
115 55.5 28.9 86.8
150 146.0 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

