

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051119\
 Data File : VD062242.D
 Acq On : 11 May 2019 17:26
 Operator : FY/SY
 Sample : K2718-13
 Misc : 5.46g/5mL/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0612-01

Quant Time: May 11 23:15:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	645529	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	937615	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	710293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	313485	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	327168	54.54	ug/l	0.03
Spiked Amount	50.000		Recovery	=	109.08%	
35) Dibromofluoromethane	6.92	113	418015	53.73	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.46%	
50) Toluene-d8	10.41	98	868192	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
62) 4-Bromofluorobenzene	13.56	95	319055	42.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.72%	

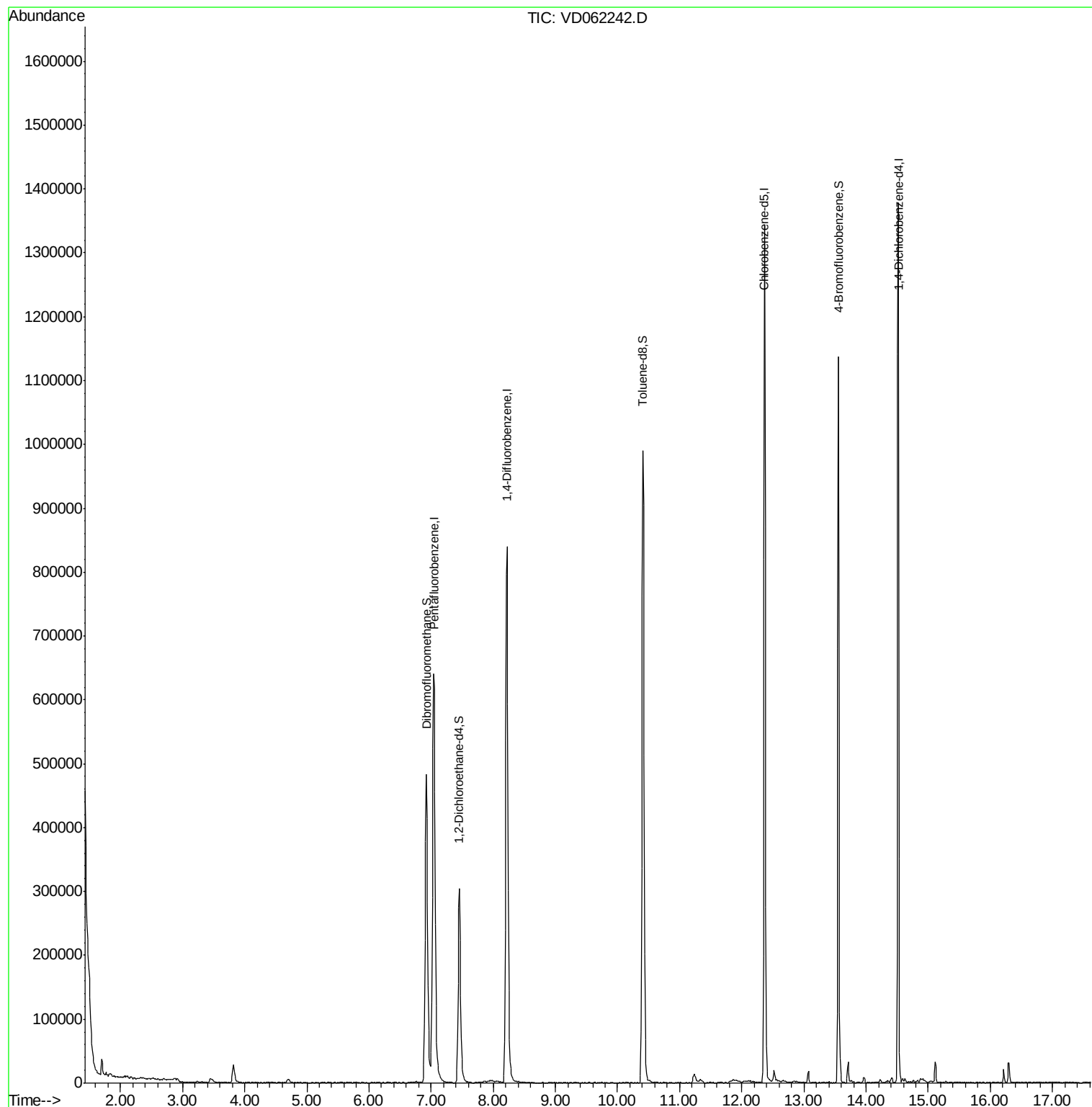
Target Compounds	Qvalue

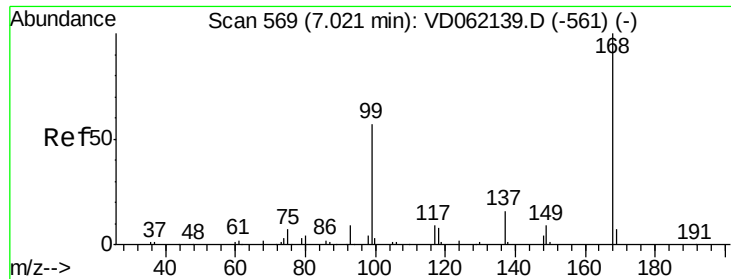
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

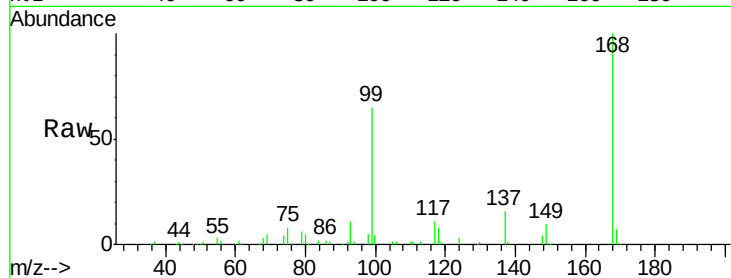
P026-SS006-0612-01

Tgt Ion:168 Resp: 645529

Ion Ratio Lower Upper

168 100

99 65.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

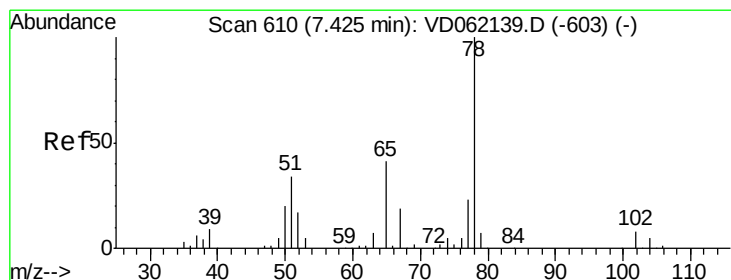
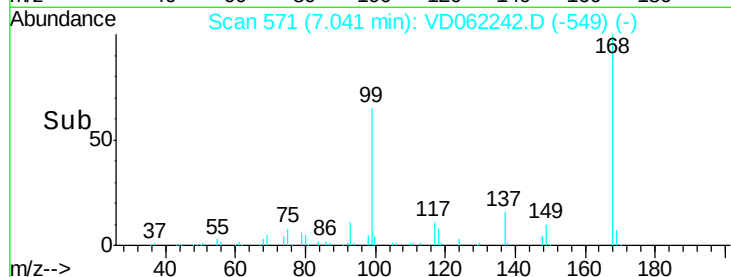
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#33

1,2-Dichloroethane-d4

Concen: 54.537 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062242.D

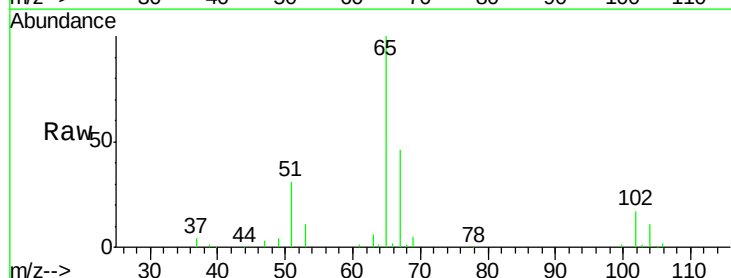
Acq: 11 May 2019 17:26

Tgt Ion: 65 Resp: 327168

Ion Ratio Lower Upper

65 100

67 45.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

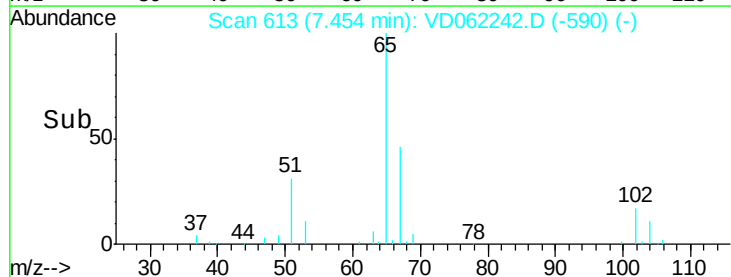
100000

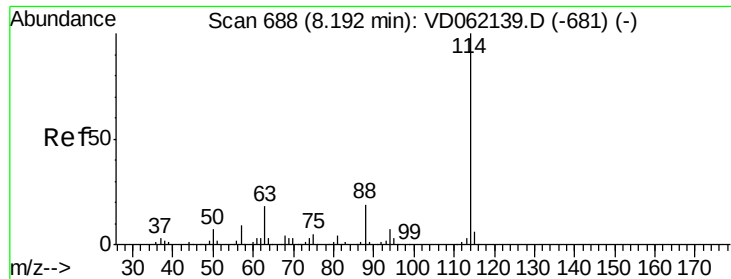
50000

0

Time-->

7.30 7.40 7.50 7.60





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0612-01

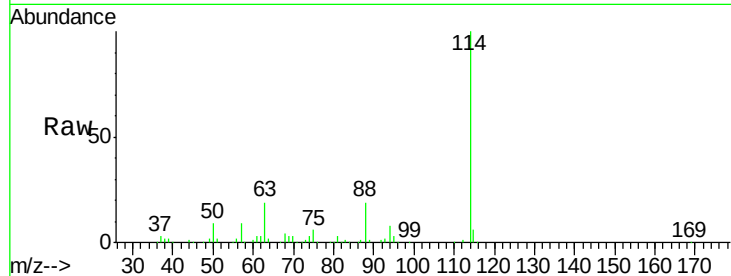
Tgt Ion:114 Resp: 937615

Ion Ratio Lower Upper

114 100

63 19.0 0.0 32.4

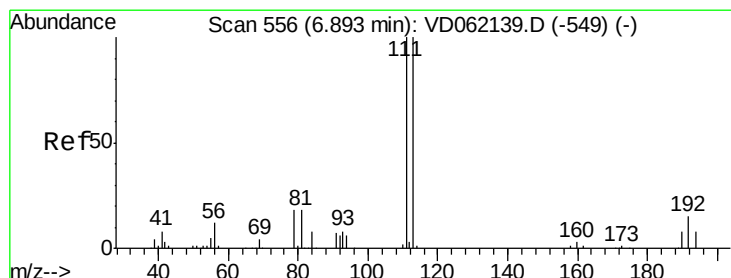
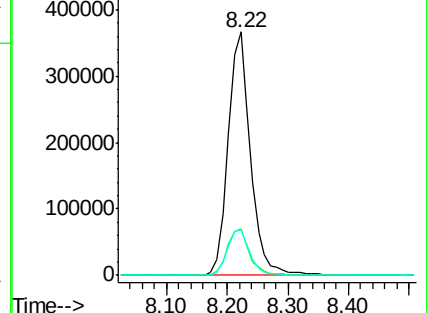
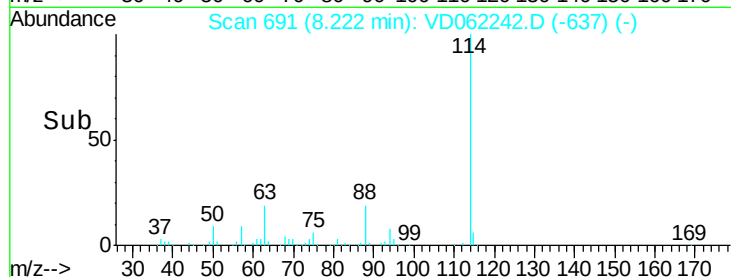
88 18.6 0.0 33.6



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: 53.733 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

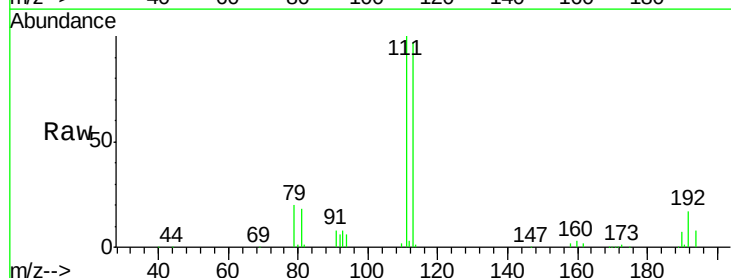
Tgt Ion:113 Resp: 418015

Ion Ratio Lower Upper

113 100

111 102.9 78.5 117.7

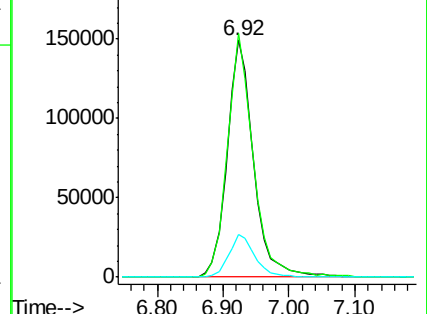
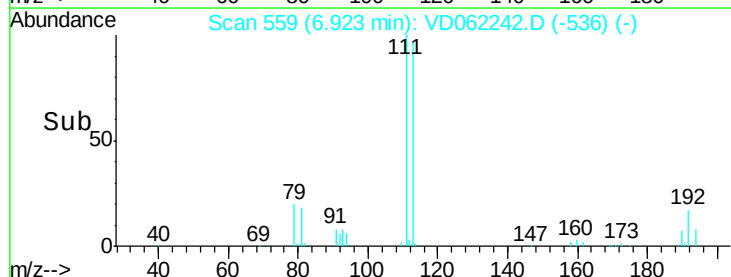
192 17.9 13.0 19.4

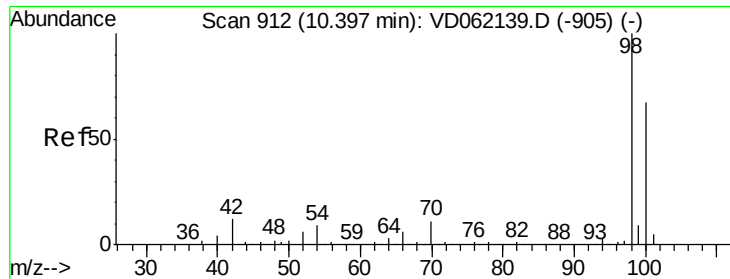


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 46.286 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

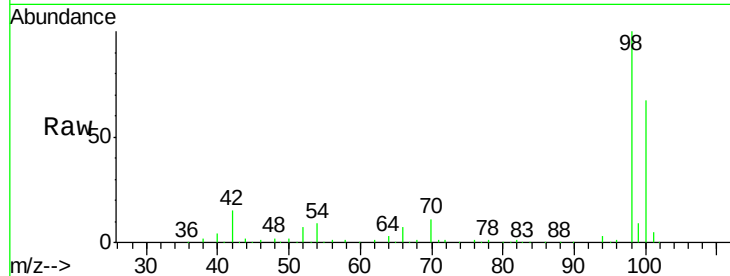
P026-SS006-0612-01

Tgt Ion: 98 Resp: 868192

Ion Ratio Lower Upper

98 100

100 66.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.41

400000

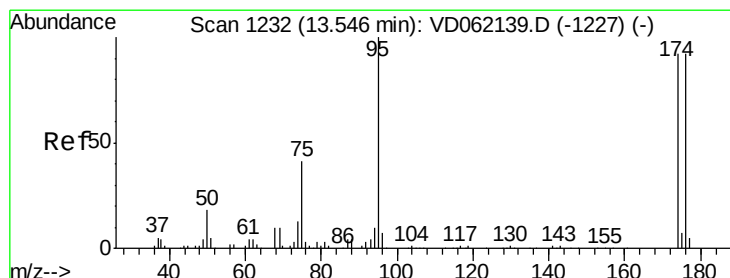
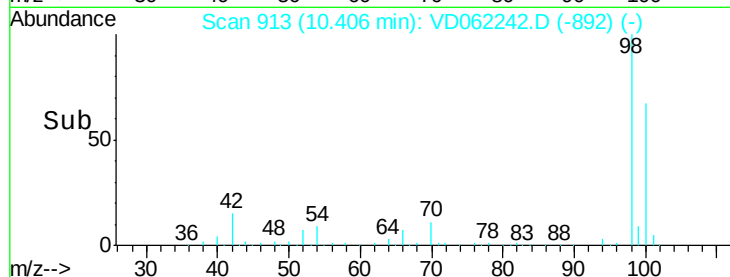
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.359 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

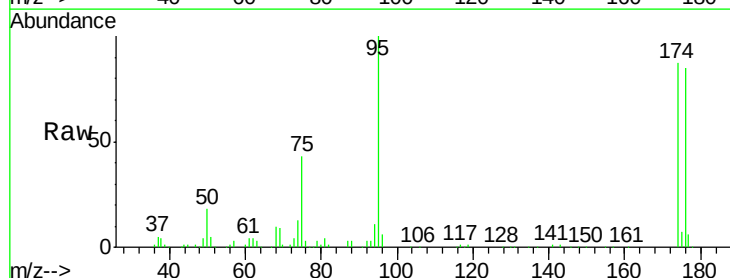
Tgt Ion: 95 Resp: 319055

Ion Ratio Lower Upper

95 100

174 87.4 0.0 181.8

176 85.4 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

13.56

300000

250000

200000

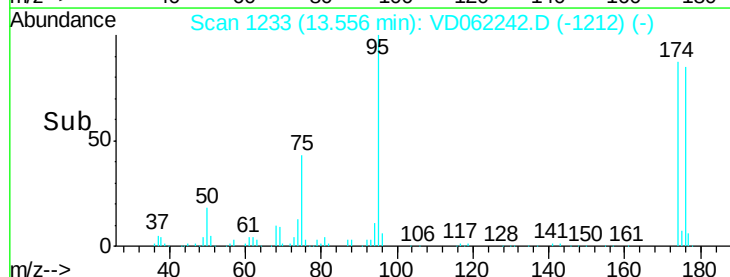
150000

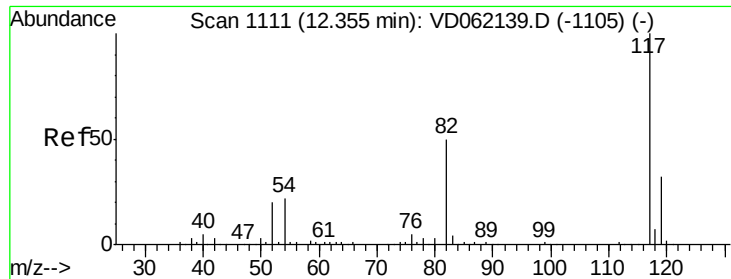
100000

50000

0

Time-->

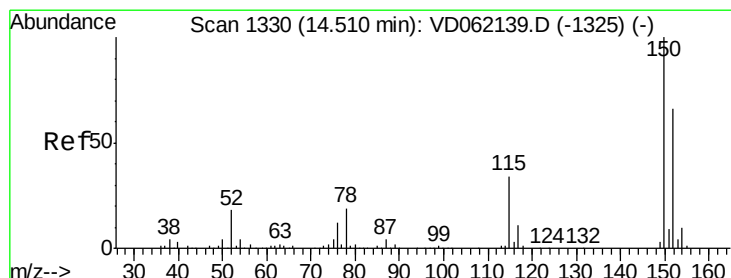
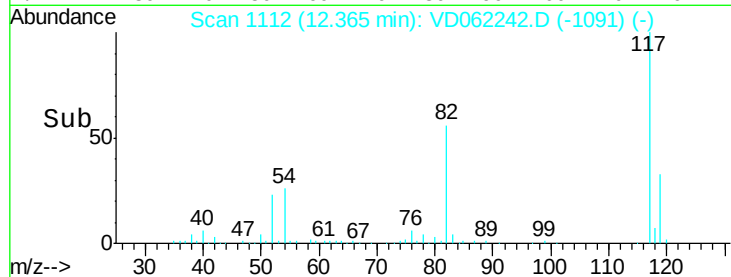
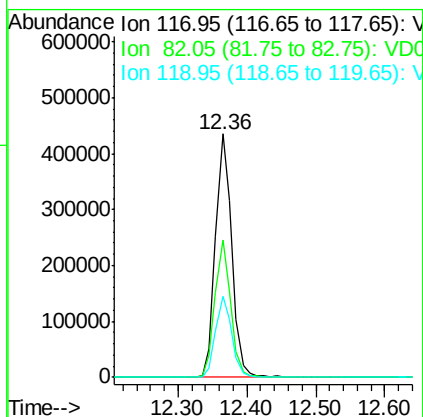
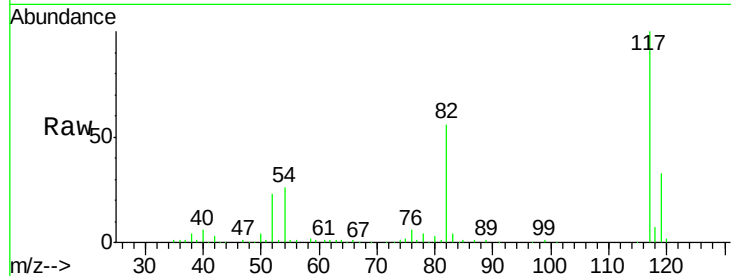




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062242.D
Acq: 11 May 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0612-01

Tgt Ion:117 Resp: 710293
Ion Ratio Lower Upper
117 100
82 56.2 36.2 54.2#
119 33.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062242.D
Acq: 11 May 2019 17:26

Tgt Ion:152 Resp: 313485
Ion Ratio Lower Upper
152 100
115 54.7 30.9 92.7
150 153.4 0.0 314.8

