

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065567.D
 Acq On : 31 Mar 2020 15:47
 Operator : VA/SY
 Sample : L2067-01
 Misc : 9.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 239-SB-01-16-17

Quant Time: Apr 01 07:57:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

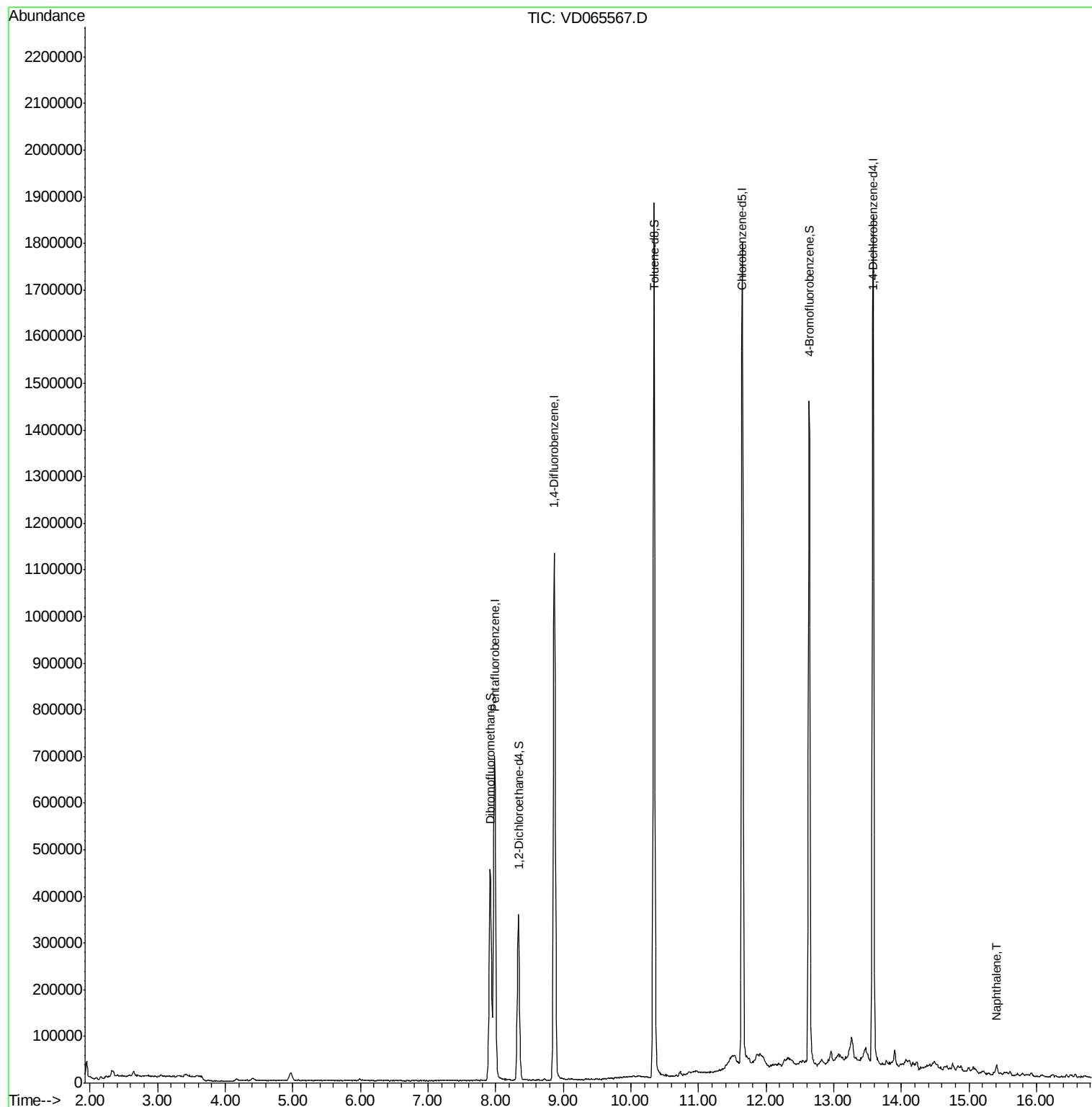
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	557992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1015509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1059719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	521228	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	282630	60.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.70%	
35) Dibromofluoromethane	7.92	113	329421	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
50) Toluene-d8	10.34	98	1282926	54.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.04%	
62) 4-Bromofluorobenzene	12.64	95	466235	62.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.84%	
Target Compounds						
95) Naphthalene	15.41	128	18044	5.346	ug/l #	Qvalue 91

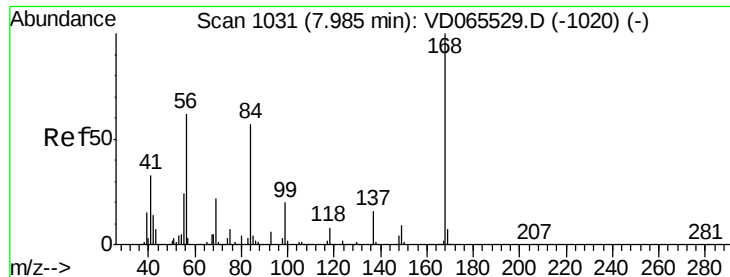
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

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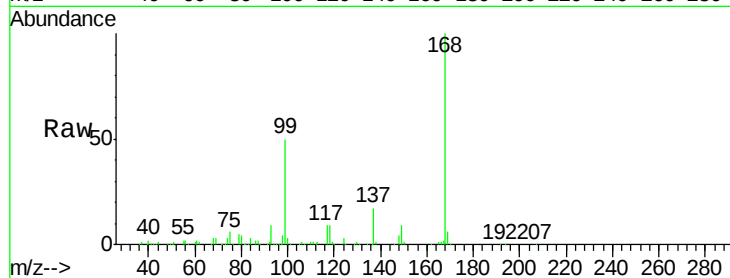
239-SB-01-16-17

Tot Ion:168 Resp: 557992

Ion Ratio Lower Upper

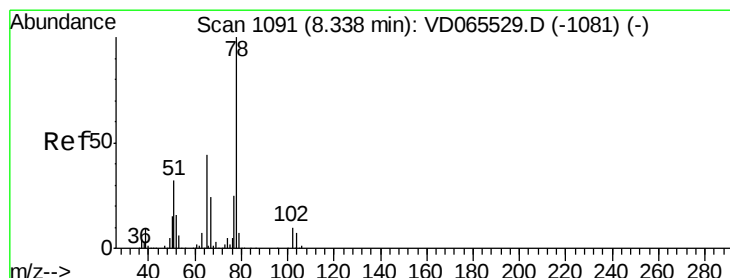
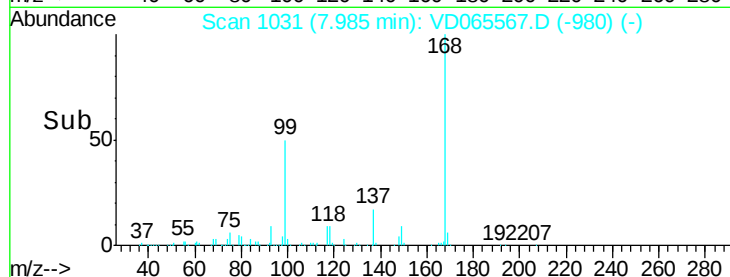
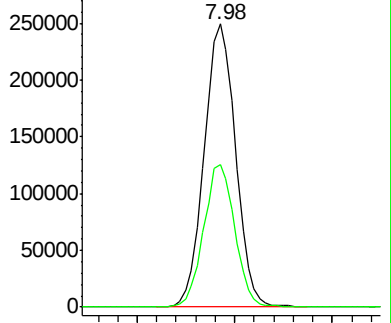
168 100

99 50.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 60.847 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065567.D

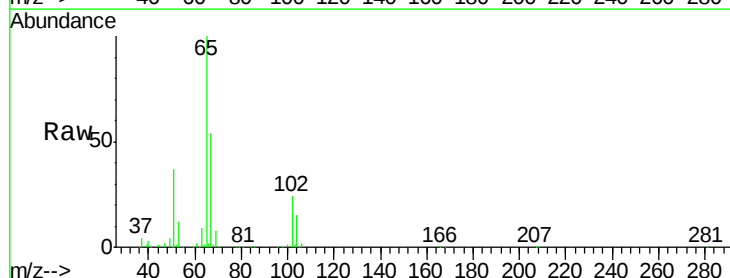
Acq: 31 Mar 2020 15:47

Tgt Ion: 65 Resp: 282630

Ion Ratio Lower Upper

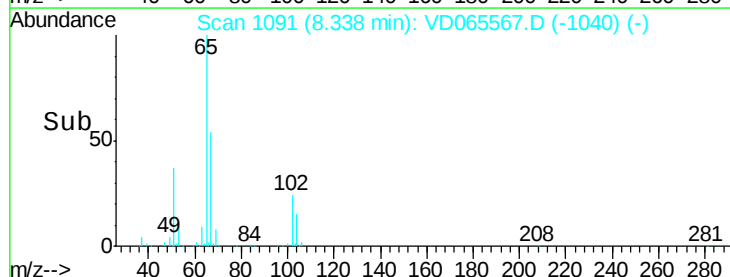
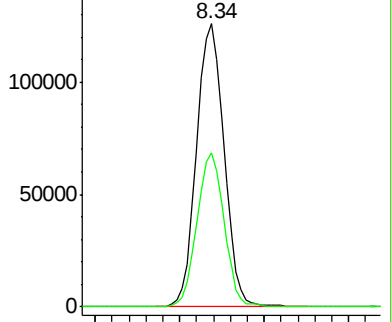
65 100

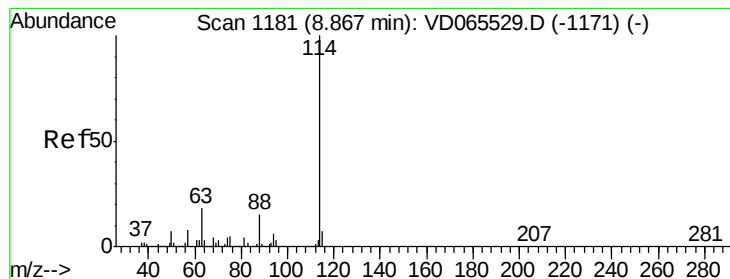
67 53.4 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

Instrument :

MSVOA_D

ClientSampleId :

239-SB-01-16-17

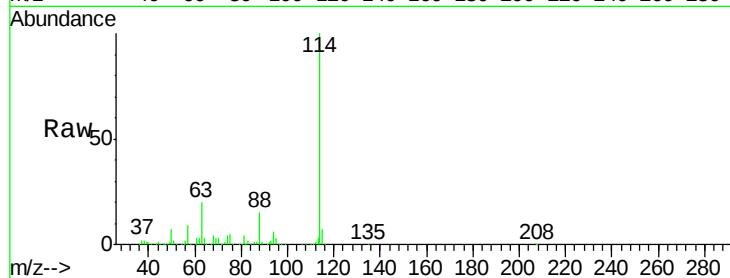
Tot Ion:114 Resp: 1015509

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.0

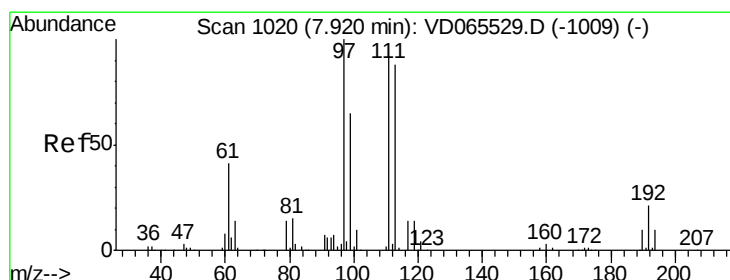
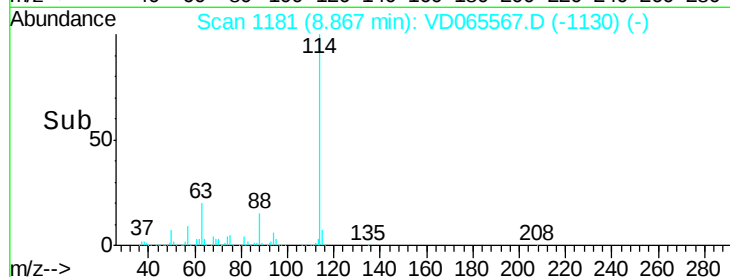
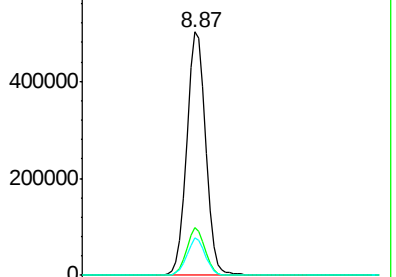
88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 52.554 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

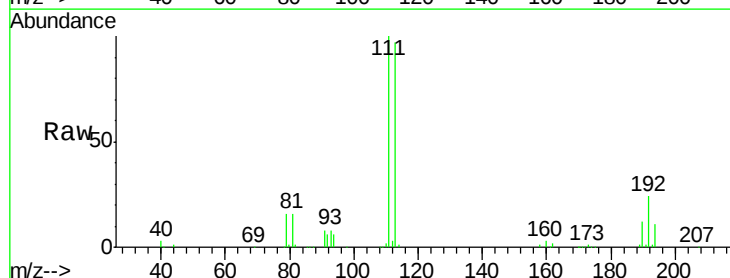
Tgt Ion:113 Resp: 329421

Ion Ratio Lower Upper

113 100

111 101.8 83.3 124.9

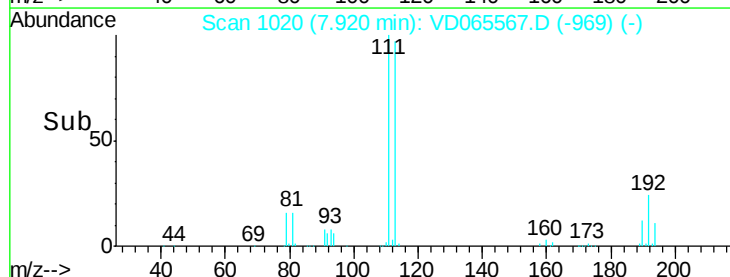
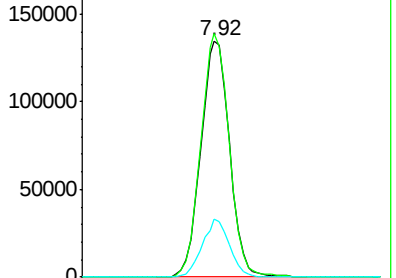
192 23.2 18.5 27.7

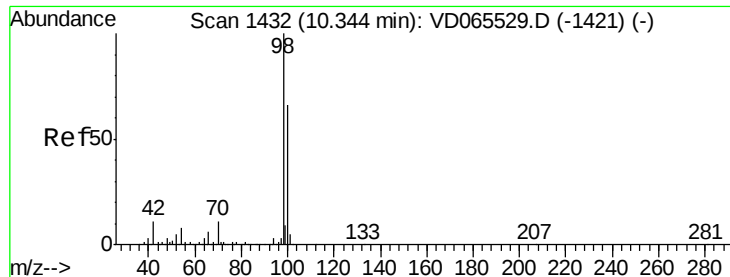


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 54.517 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

Instrument :

MSVOA_D

ClientSampleId :

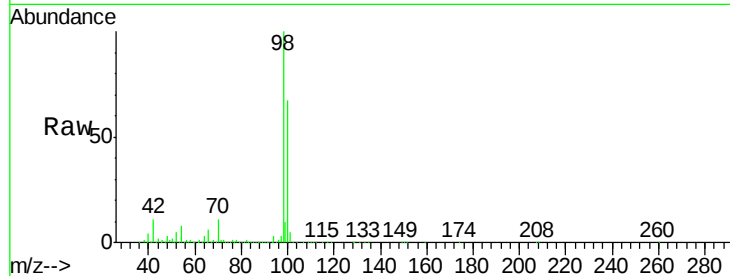
239-SB-01-16-17

Tot Ion: 98 Resp: 1282926

Ion Ratio Lower Upper

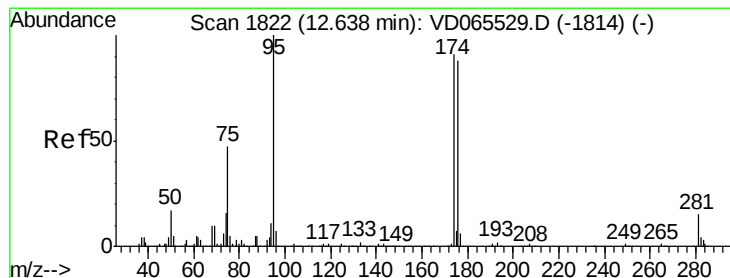
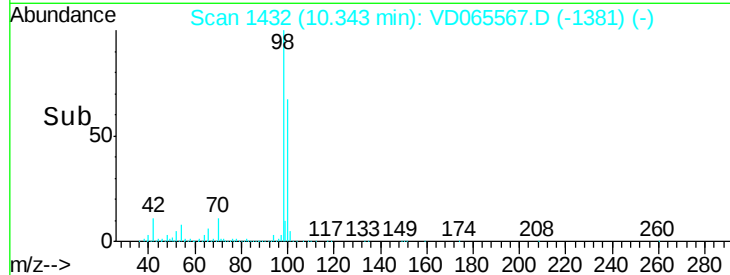
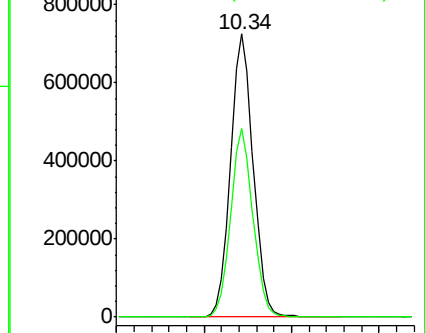
98 100

100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VD0

Ion 100.00 (99.70 to 100.70): VD



#62

4-Bromofluorobenzene

Concen: 62.423 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

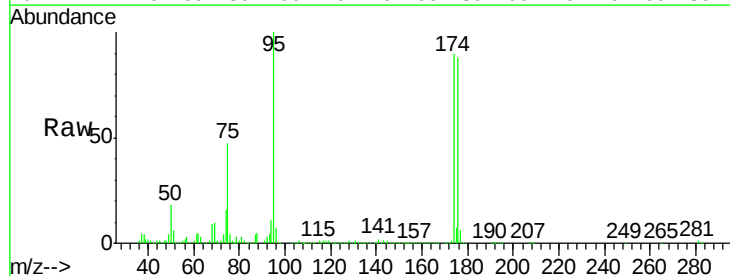
Tgt Ion: 95 Resp: 466235

Ion Ratio Lower Upper

95 100

174 92.0 0.0 183.8

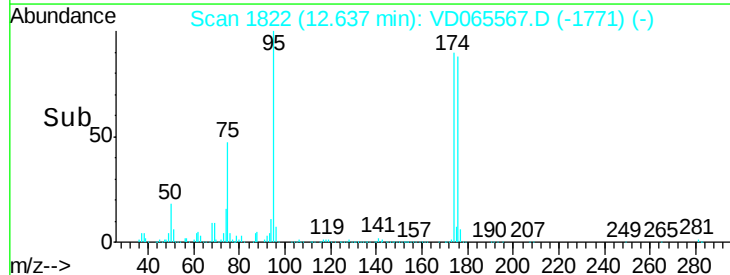
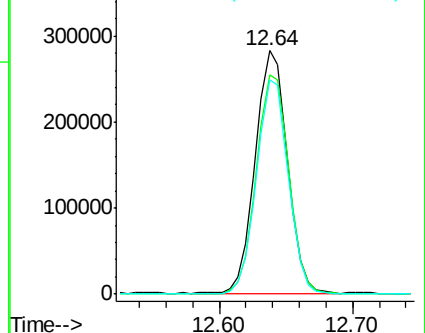
176 87.6 0.0 178.2

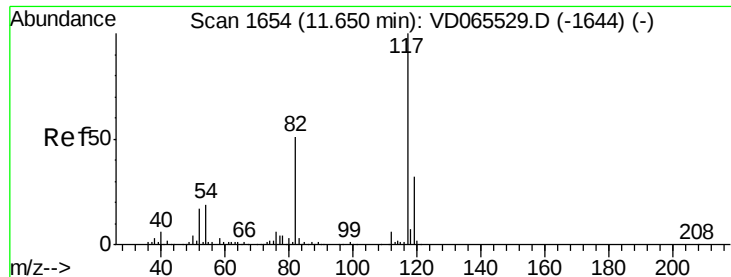


Abundance Ion 94.90 (94.60 to 95.60): VD0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

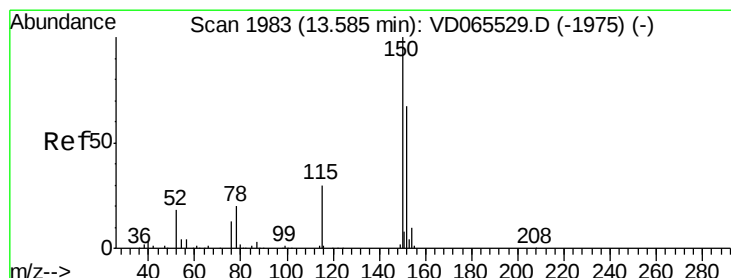
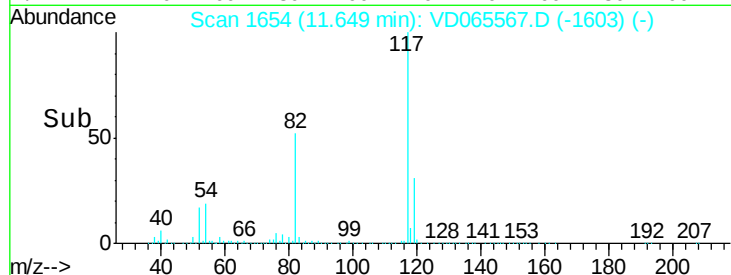
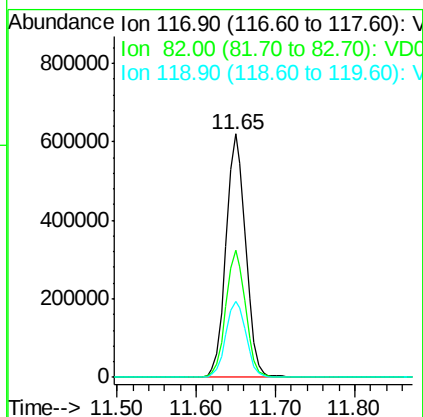
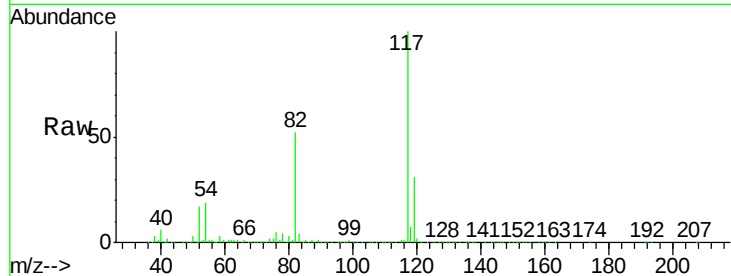




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065567.D
Acq: 31 Mar 2020 15:47

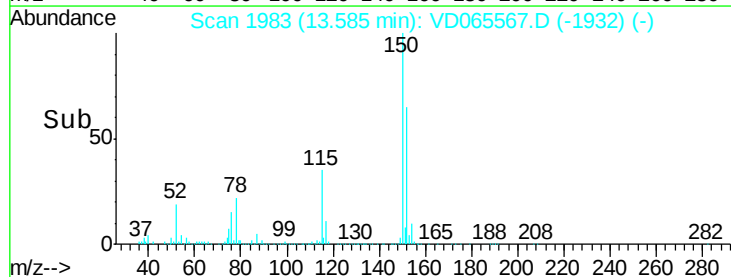
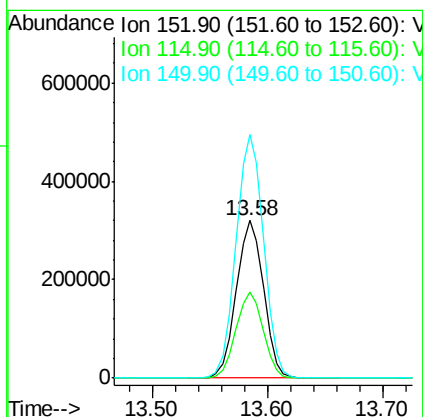
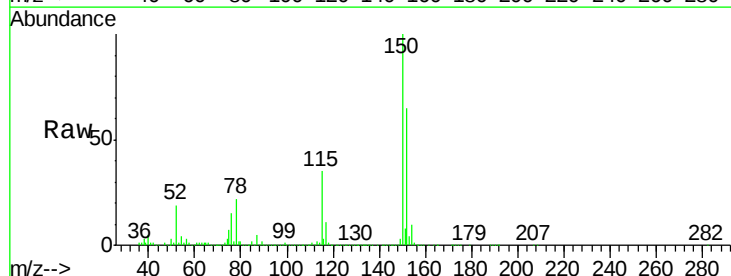
Instrument :
MSVOA_D
ClientSampleId :
239-SB-01-16-17

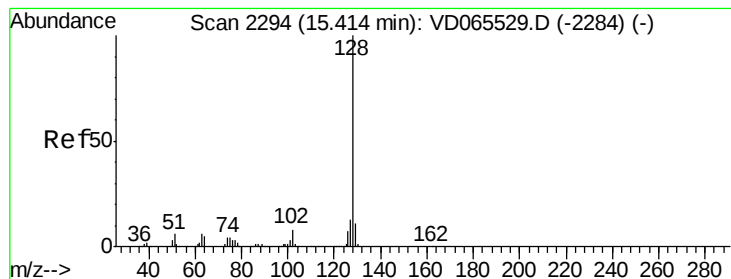
Tot Ion:117 Resp: 1059719
Ion Ratio Lower Upper
117 100
82 52.4 41.0 61.6
119 31.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065567.D
Acq: 31 Mar 2020 15:47

Tgt Ion:152 Resp: 521228
Ion Ratio Lower Upper
152 100
115 54.7 27.2 81.6
150 156.4 0.0 340.2





#95

Naphthalene

Concen: 5.346 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

Instrument :

MSVOA_D

ClientSampleId :

239-SB-01-16-17

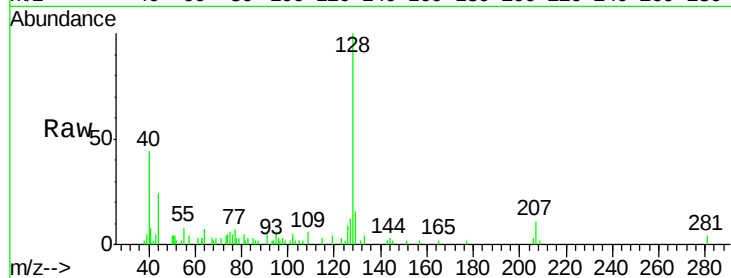
Tot Ion:128 Resp: 18044

Ion Ratio Lower Upper

128 100

127 14.9 10.4 15.6

129 16.4 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

