

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065325.D
 Acq On : 26 Feb 2020 13:52
 Operator : VA/SY
 Sample : L1688-01
 Misc : 7.45G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-01-022420

Quant Time: Feb 27 08:20:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	560710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	951470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	870501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	395505	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	296596	58.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.60%	
35) Dibromofluoromethane	7.92	113	310913	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
50) Toluene-d8	10.34	98	1152667	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.64	95	349158	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

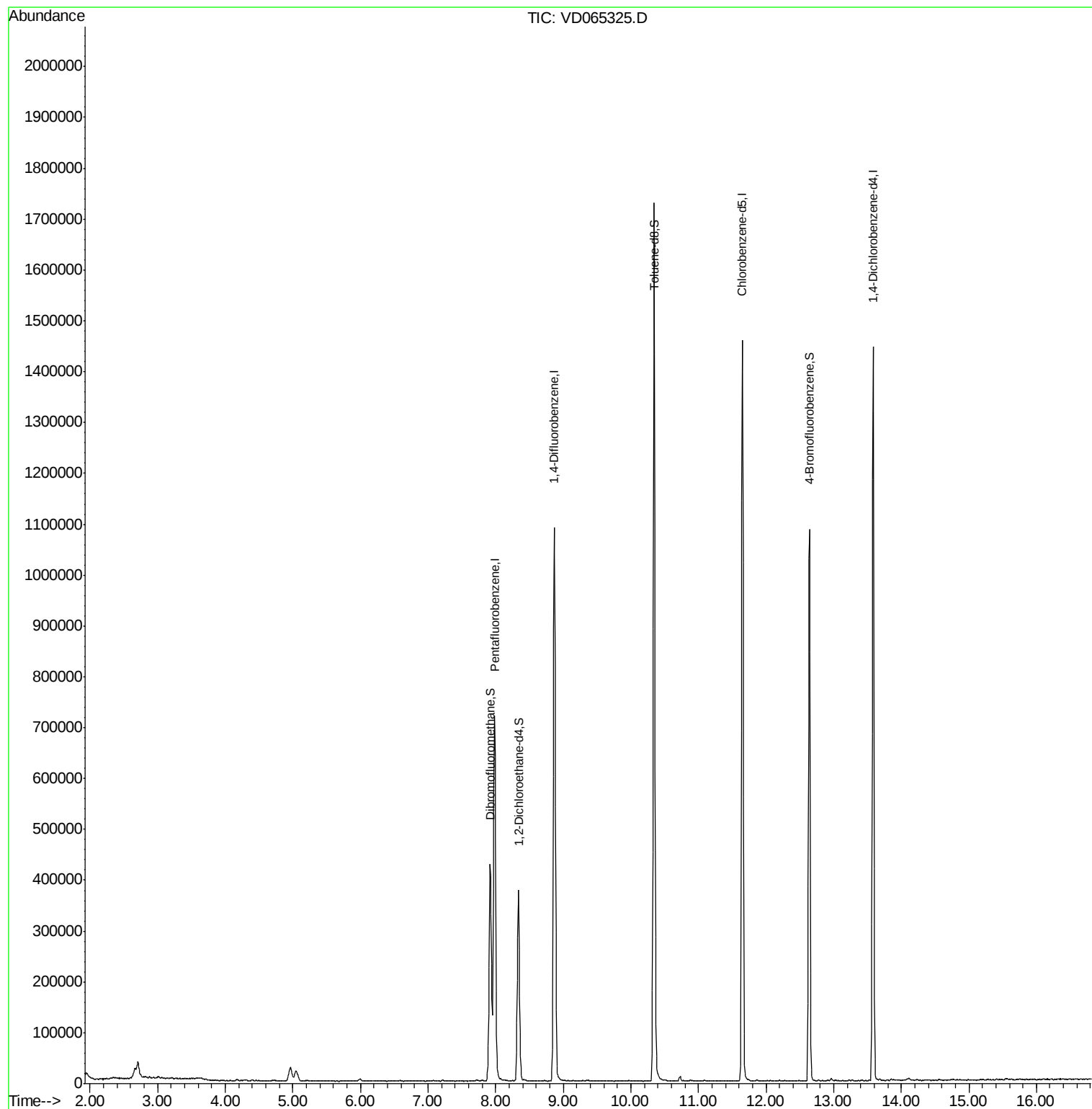
Target Compounds	Qvalue
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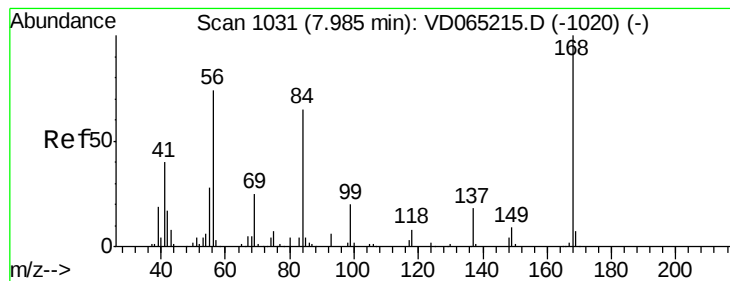
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065325.D

Acq: 26 Feb 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

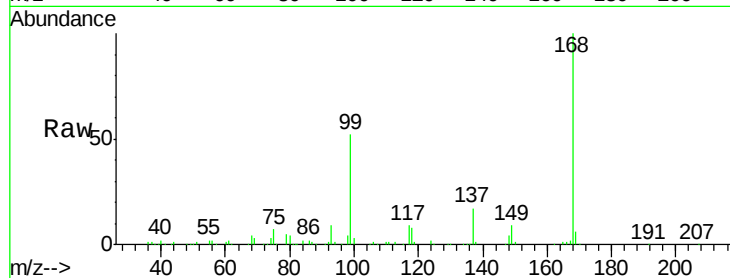
GP-01-022420

Tot Ion:168 Resp: 560710

Ion Ratio Lower Upper

168 100

99 52.4 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

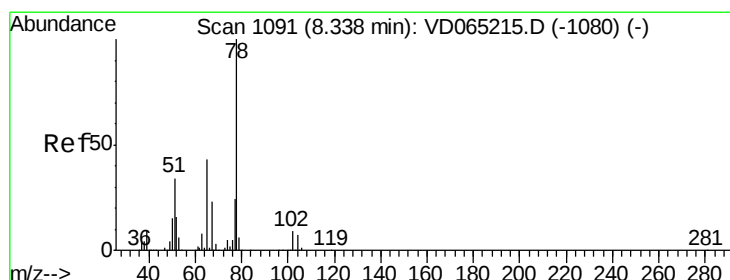
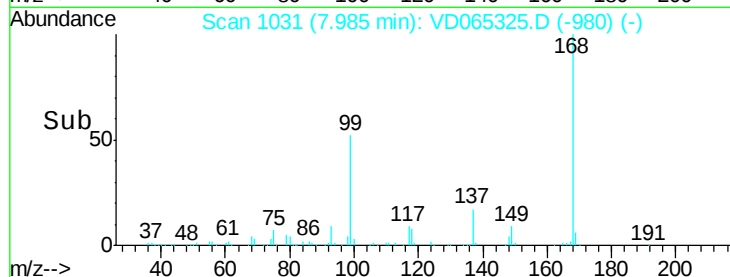
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 58.799 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065325.D

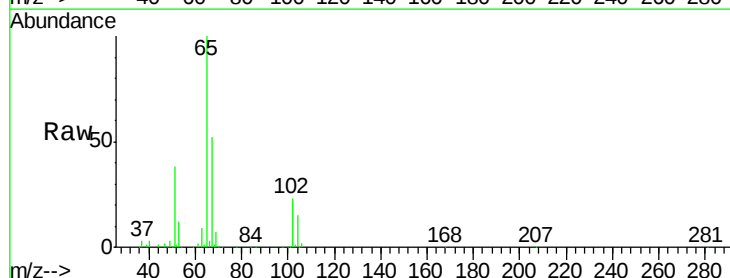
Acq: 26 Feb 2020 13:52

Tgt Ion: 65 Resp: 296596

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

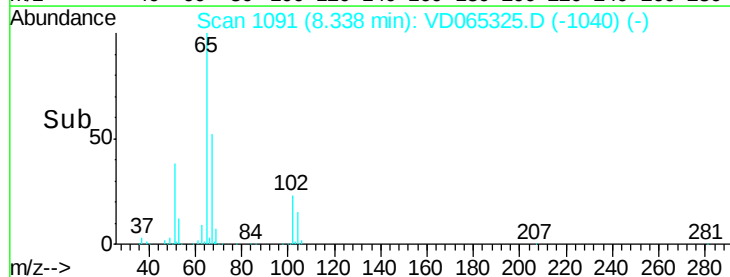
150000

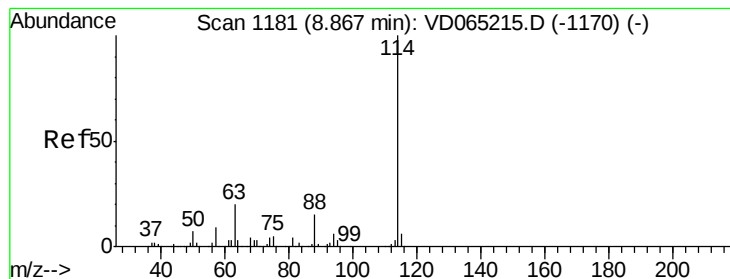
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065325.D

Acq: 26 Feb 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

GP-01-022420

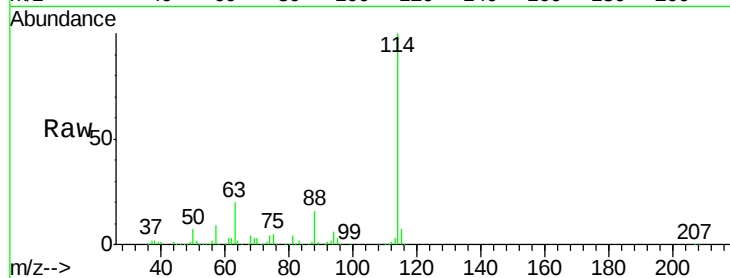
Tot Ion:114 Resp: 951470

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

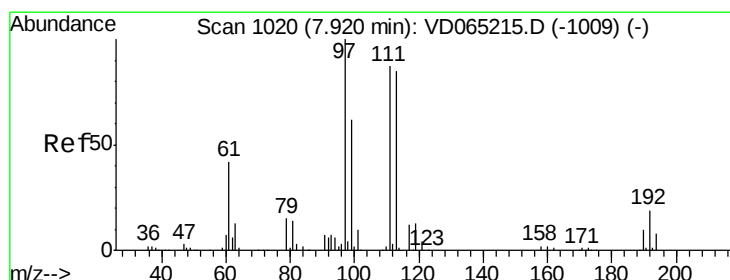
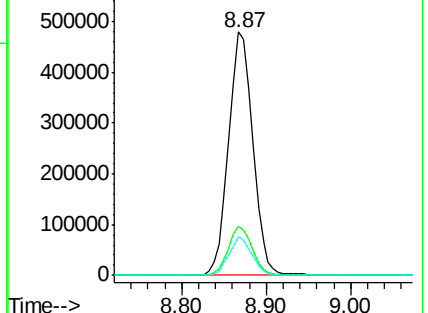
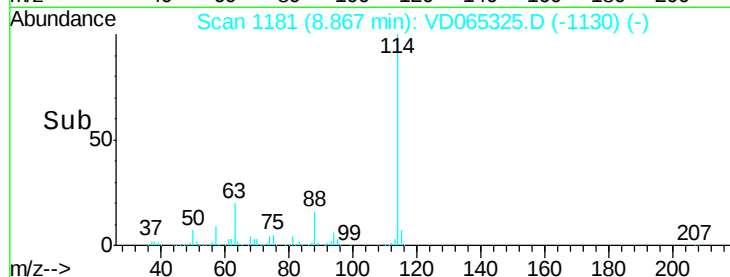
88 15.7 0.0 30.4



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: 53.592 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065325.D

Acq: 26 Feb 2020 13:52

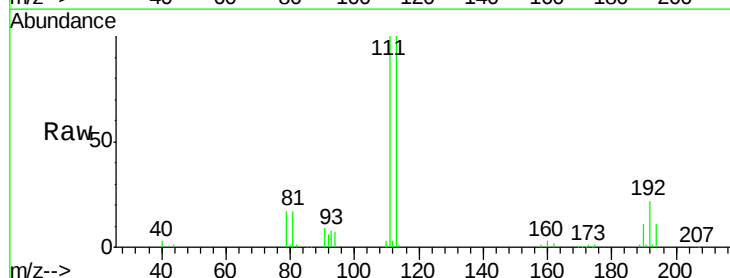
Tgt Ion:113 Resp: 310913

Ion Ratio Lower Upper

113 100

111 101.6 82.9 124.3

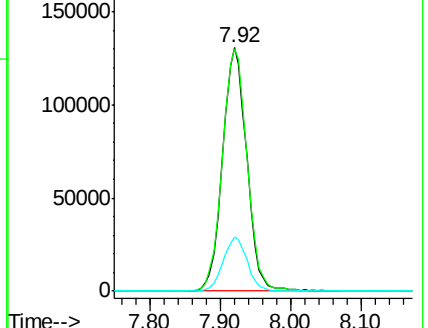
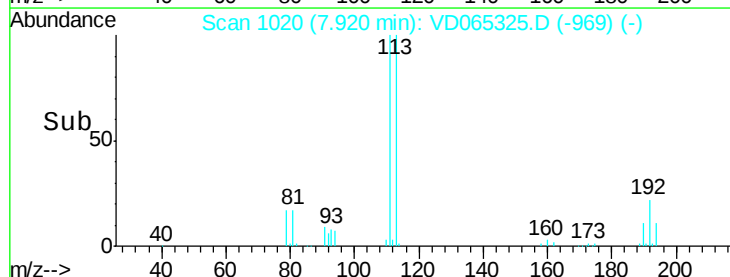
192 22.0 17.3 25.9



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: 51.972 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065325.D

Acq: 26 Feb 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

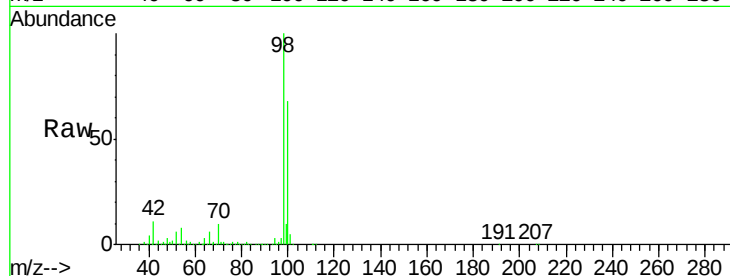
GP-01-022420

Tot Ion: 98 Resp: 1152667

Ion Ratio Lower Upper

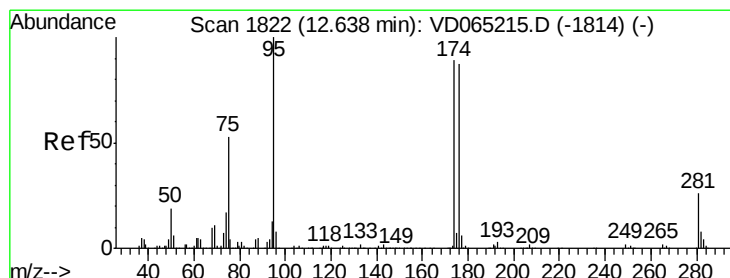
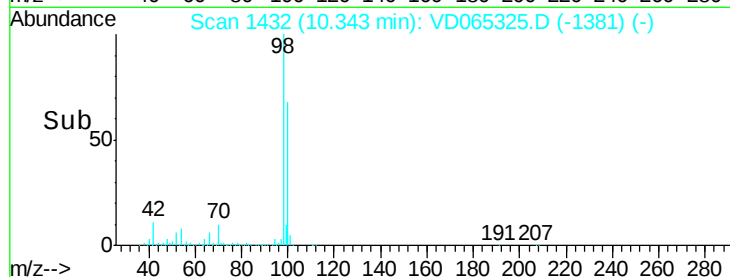
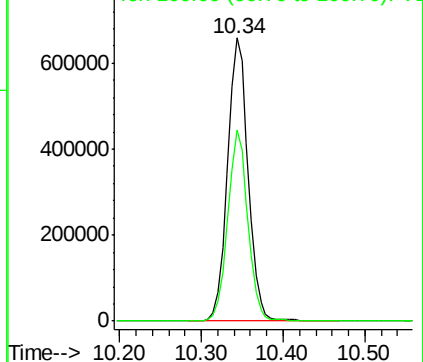
98 100

100 65.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.695 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065325.D

Acq: 26 Feb 2020 13:52

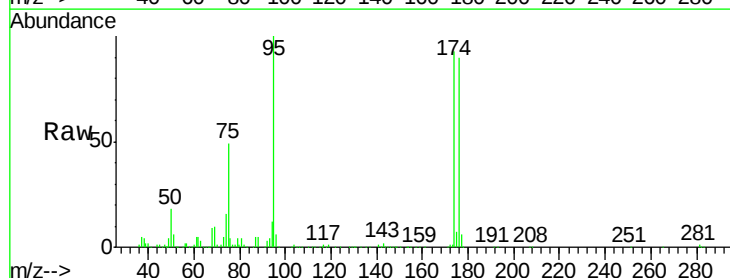
Tgt Ion: 95 Resp: 349158

Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.0

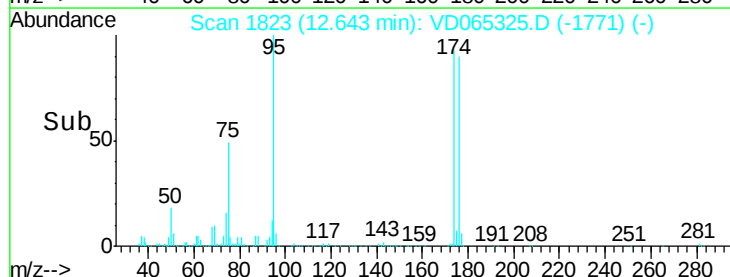
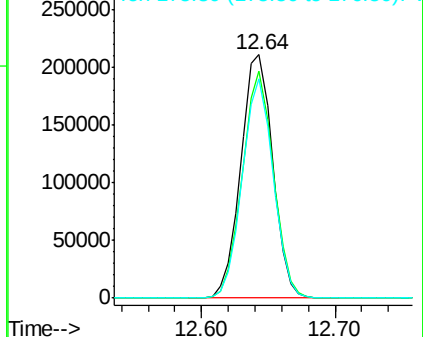
176 87.1 0.0 174.4

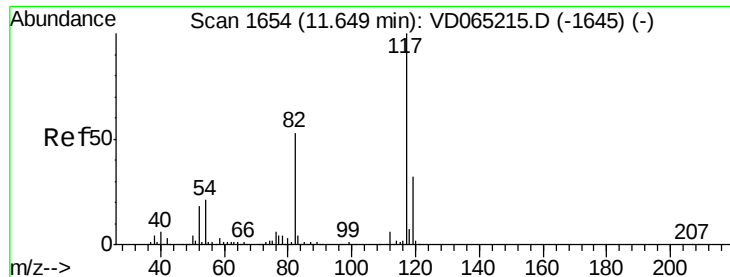


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

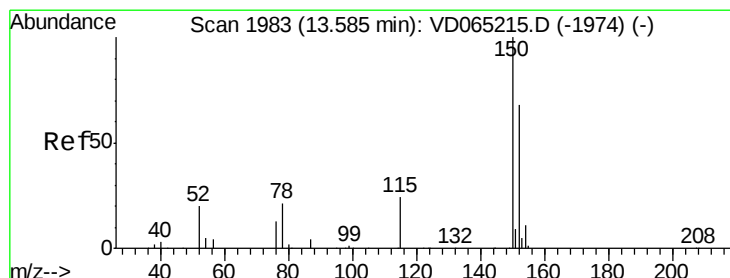
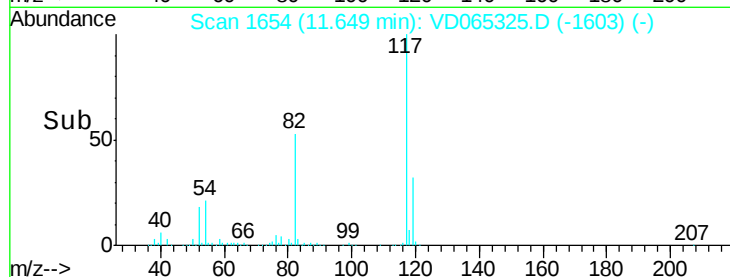
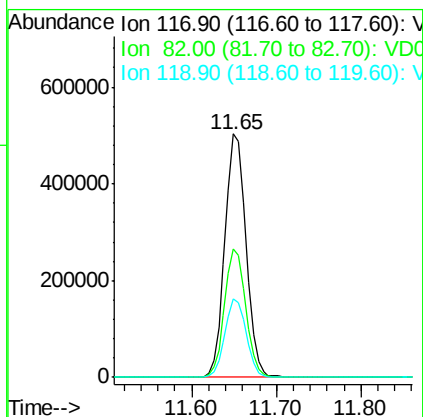
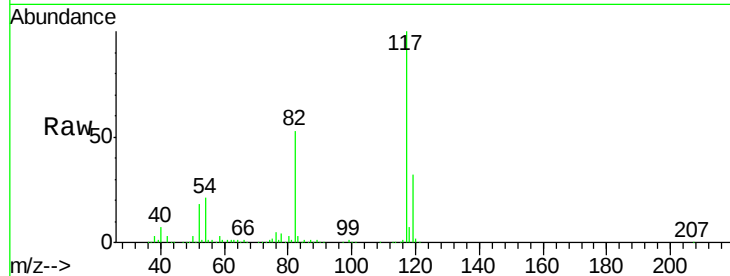




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065325.D
Acq: 26 Feb 2020 13:52

Instrument :
MSVOA_D
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GP-01-022420

Tot Ion:117 Resp: 870501
Ion Ratio Lower Upper
117 100
82 53.0 42.7 64.1
119 32.2 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: VD065325.D
Acq: 26 Feb 2020 13:52

Tgt Ion:152 Resp: 395505
Ion Ratio Lower Upper
152 100
115 55.3 27.6 82.8
150 158.9 0.0 347.4

