

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065324.D
 Acq On : 26 Feb 2020 13:23
 Operator : VA/SY
 Sample : L1676-05RE
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-1-2RE

Quant Time: Feb 27 08:19:17 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	431228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	758326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	720604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330779	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	256040	66.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.00%	
35) Dibromofluoromethane	7.92	113	256155	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
50) Toluene-d8	10.34	98	930705	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.64	95	294855	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

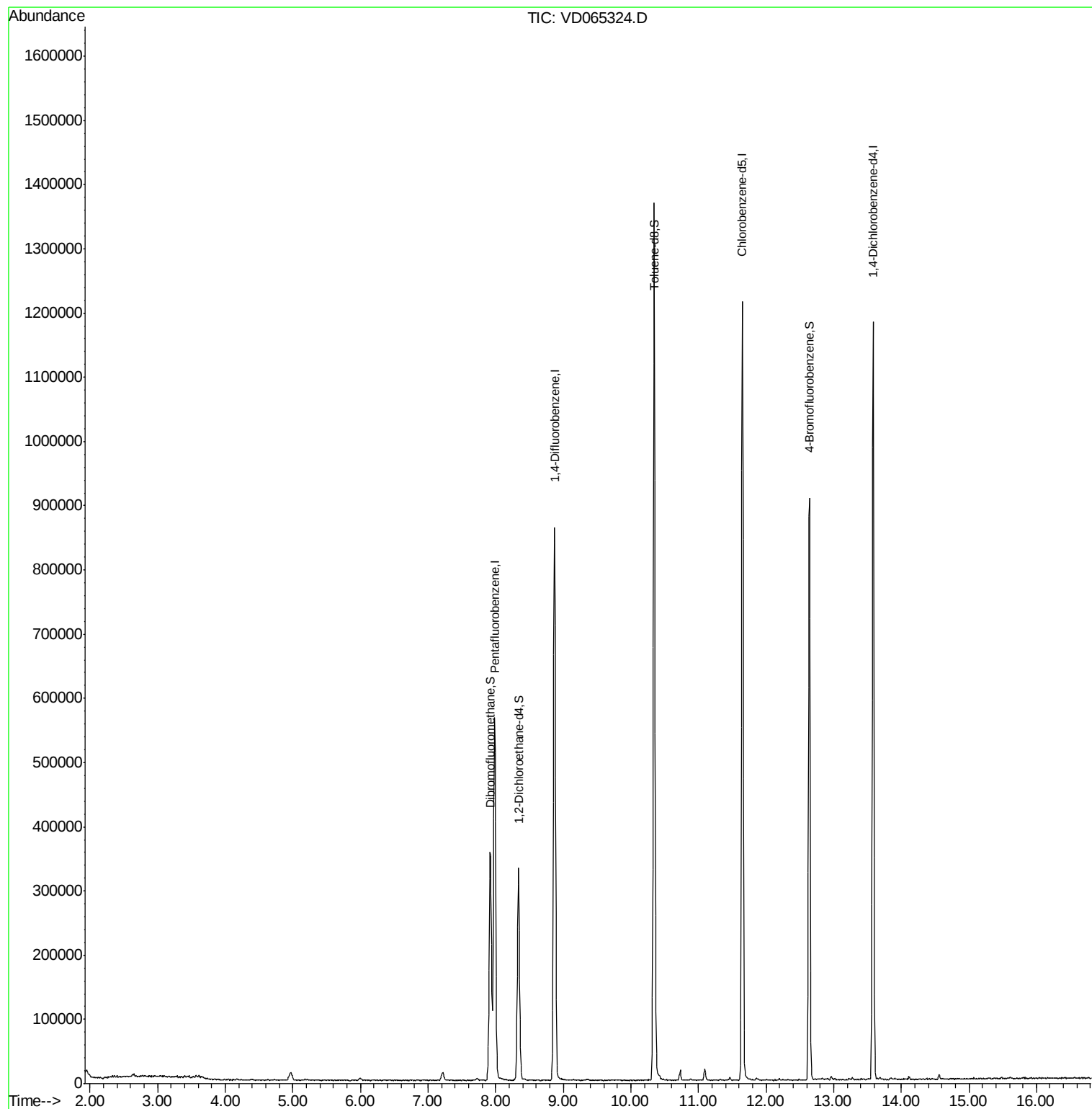
Target Compounds	Qvalue

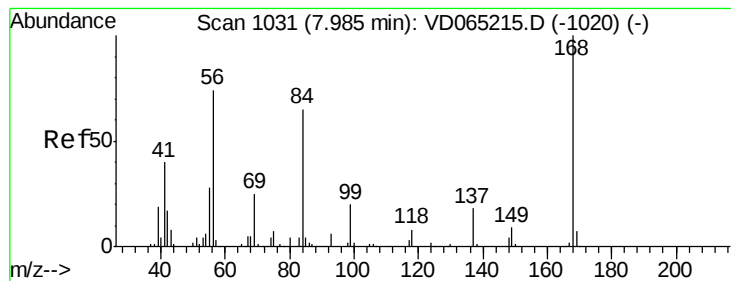
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065324.D

Acq: 26 Feb 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

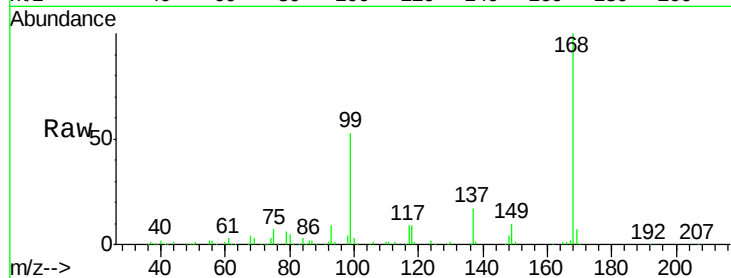
RO-1-2RE

Tot Ion:168 Resp: 431228

Ion Ratio Lower Upper

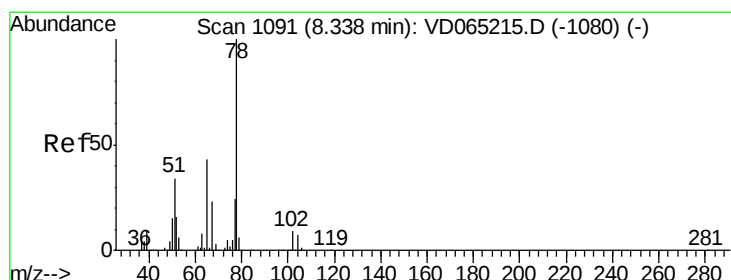
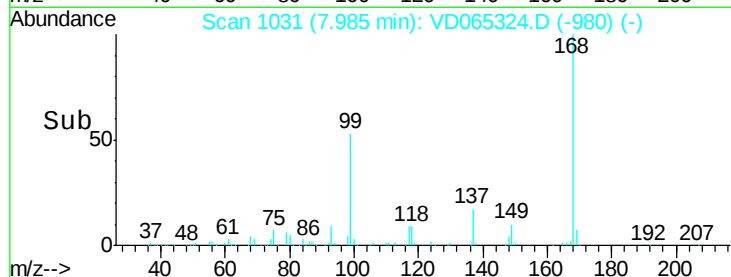
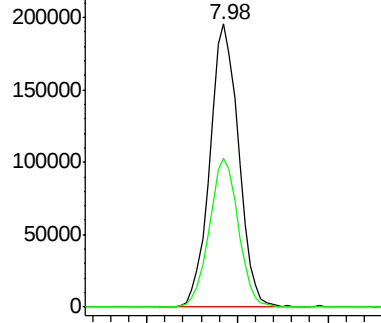
168 100

99 52.6 41.4 62.2



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: 66.000 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065324.D

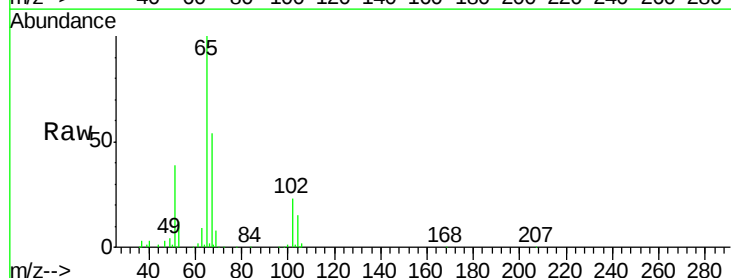
Acq: 26 Feb 2020 13:23

Tgt Ion: 65 Resp: 256040

Ion Ratio Lower Upper

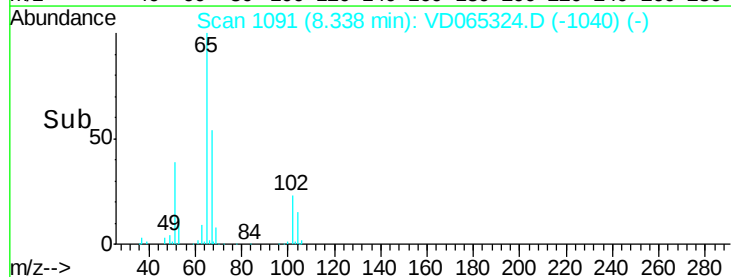
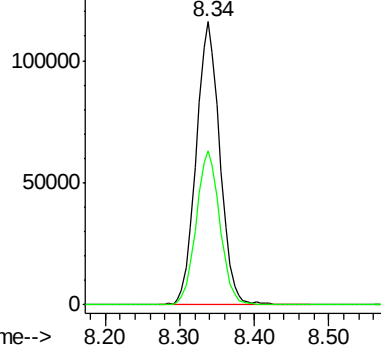
65 100

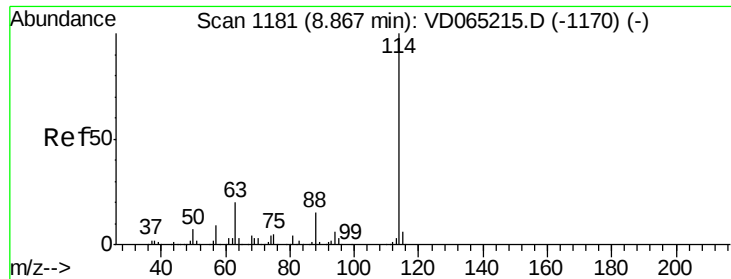
67 54.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

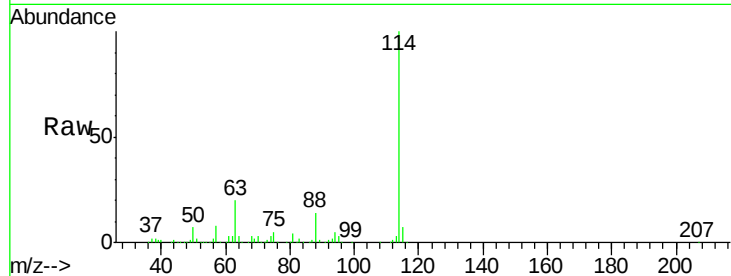




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065324.D
 Acq: 26 Feb 2020 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-1-2RE

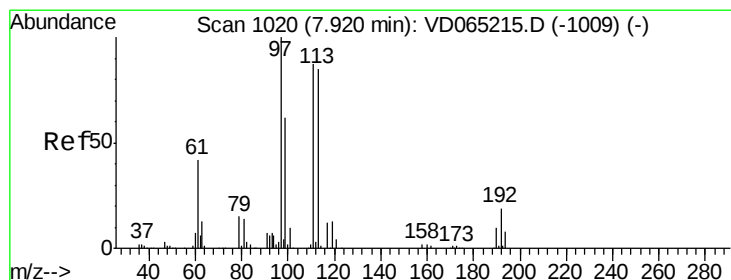
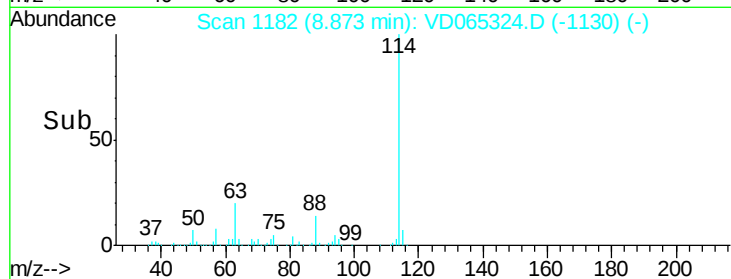
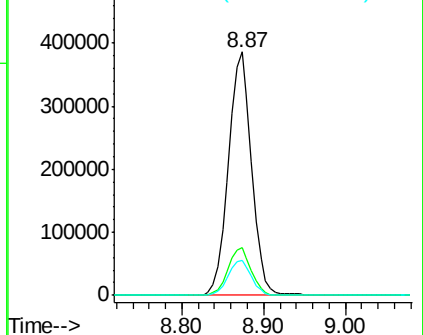
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.4
88	14.4	0.0	30.4



Abundance Ion 113.90 (113.60 to 114.60): V

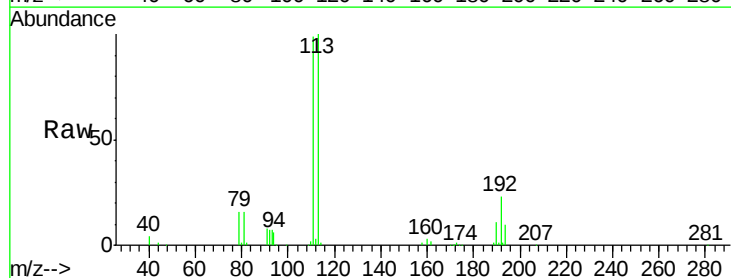
Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 55.399 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065324.D
 Acq: 26 Feb 2020 13:23

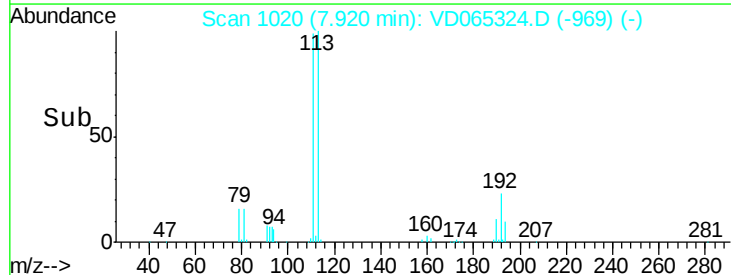
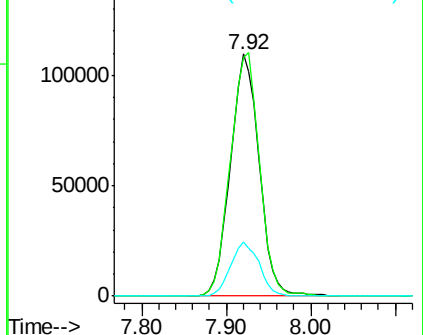
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	22.3	17.3	25.9



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: 52.652 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065324.D

Acq: 26 Feb 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

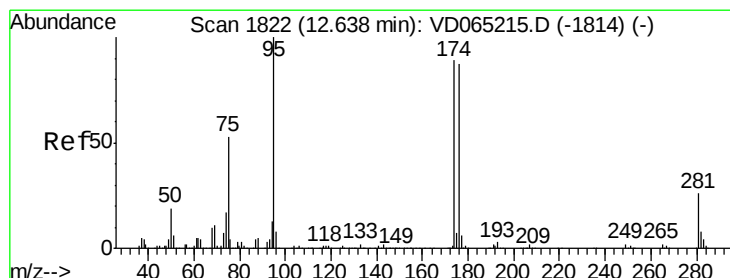
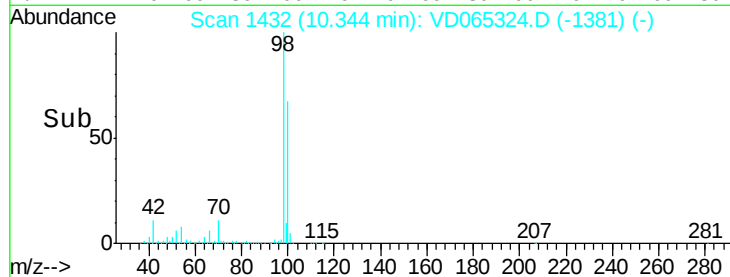
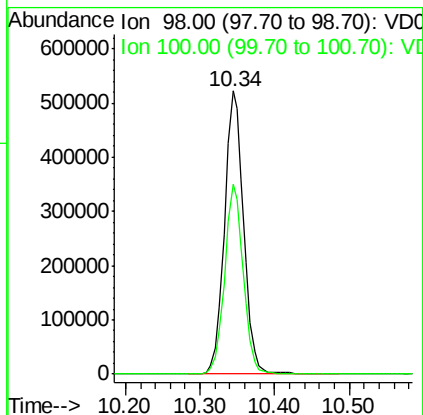
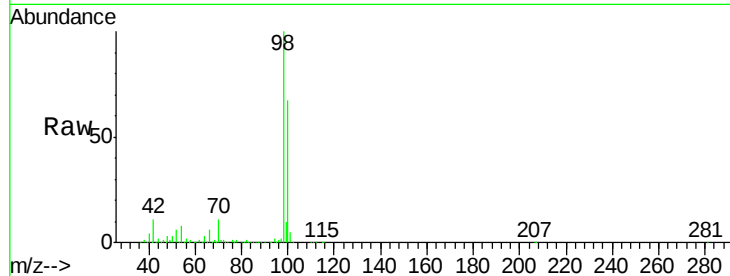
RO-1-2RE

Tot Ion: 98 Resp: 930705

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 52.655 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065324.D

Acq: 26 Feb 2020 13:23

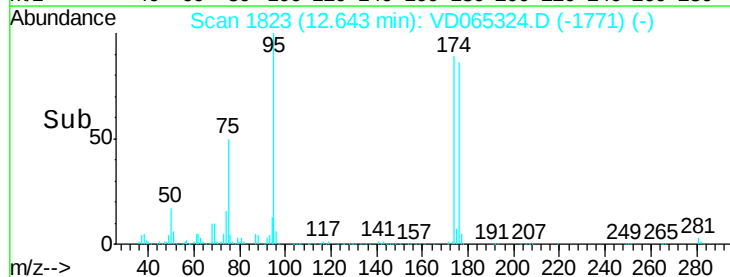
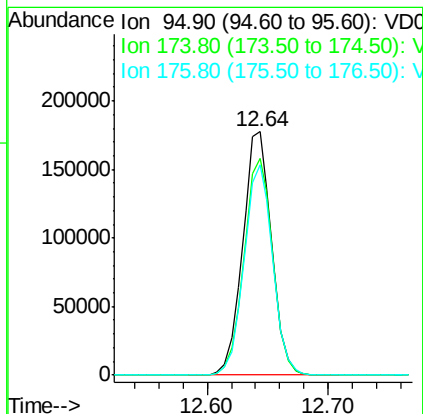
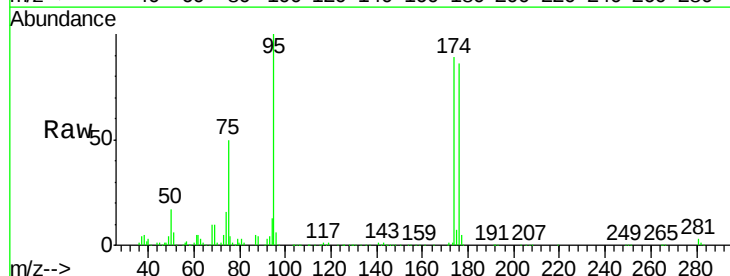
Tgt Ion: 95 Resp: 294855

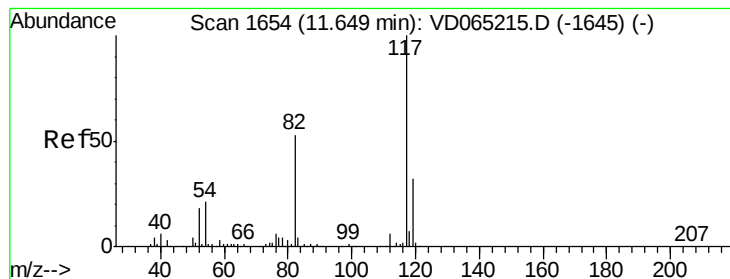
Ion Ratio Lower Upper

95 100

174 88.6 0.0 178.0

176 85.5 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065324.D

Acq: 26 Feb 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

RO-1-2RE

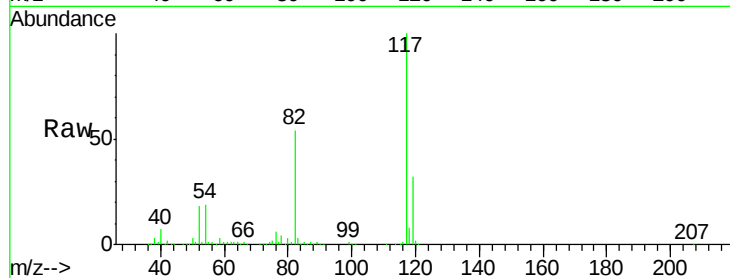
Tot Ion:117 Resp: 720604

Ion Ratio Lower Upper

117 100

82 53.9 42.7 64.1

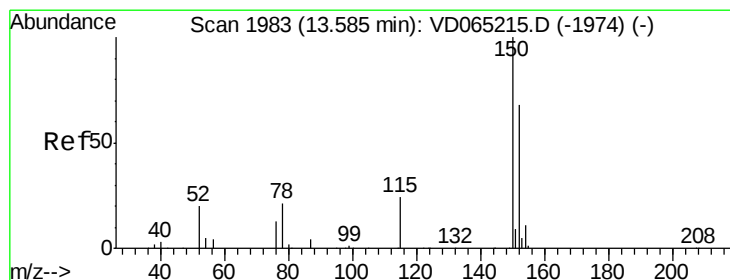
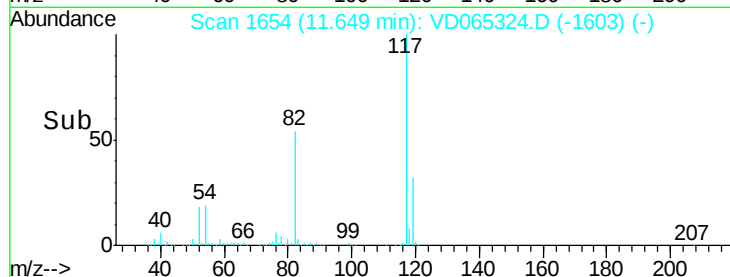
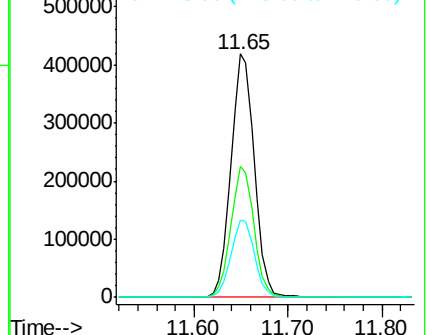
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065324.D

Acq: 26 Feb 2020 13:23

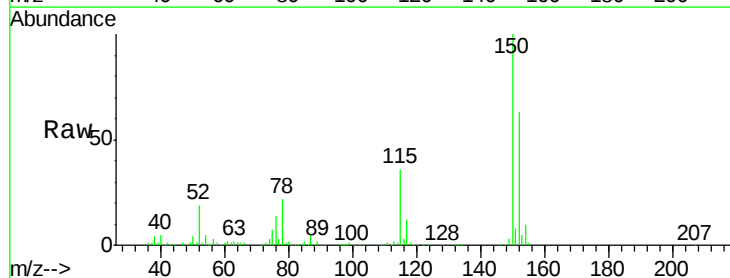
Tgt Ion:152 Resp: 330779

Ion Ratio Lower Upper

152 100

115 55.4 27.6 82.8

150 157.0 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

