

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067913.D
 Acq On : 08 Dec 2020 15:33
 Operator : VA/SY
 Sample : L4973-01
 Misc : 7.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-120820

Quant Time: Dec 09 04:52:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	239185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	332321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	285376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	114553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	114389	44.55	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.10%
35) Dibromofluoromethane	7.92	113	97387	43.79	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.58%
50) Toluene-d8	10.34	98	370156	46.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.48%
62) 4-Bromofluorobenzene	12.64	95	110868	40.06	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.12%

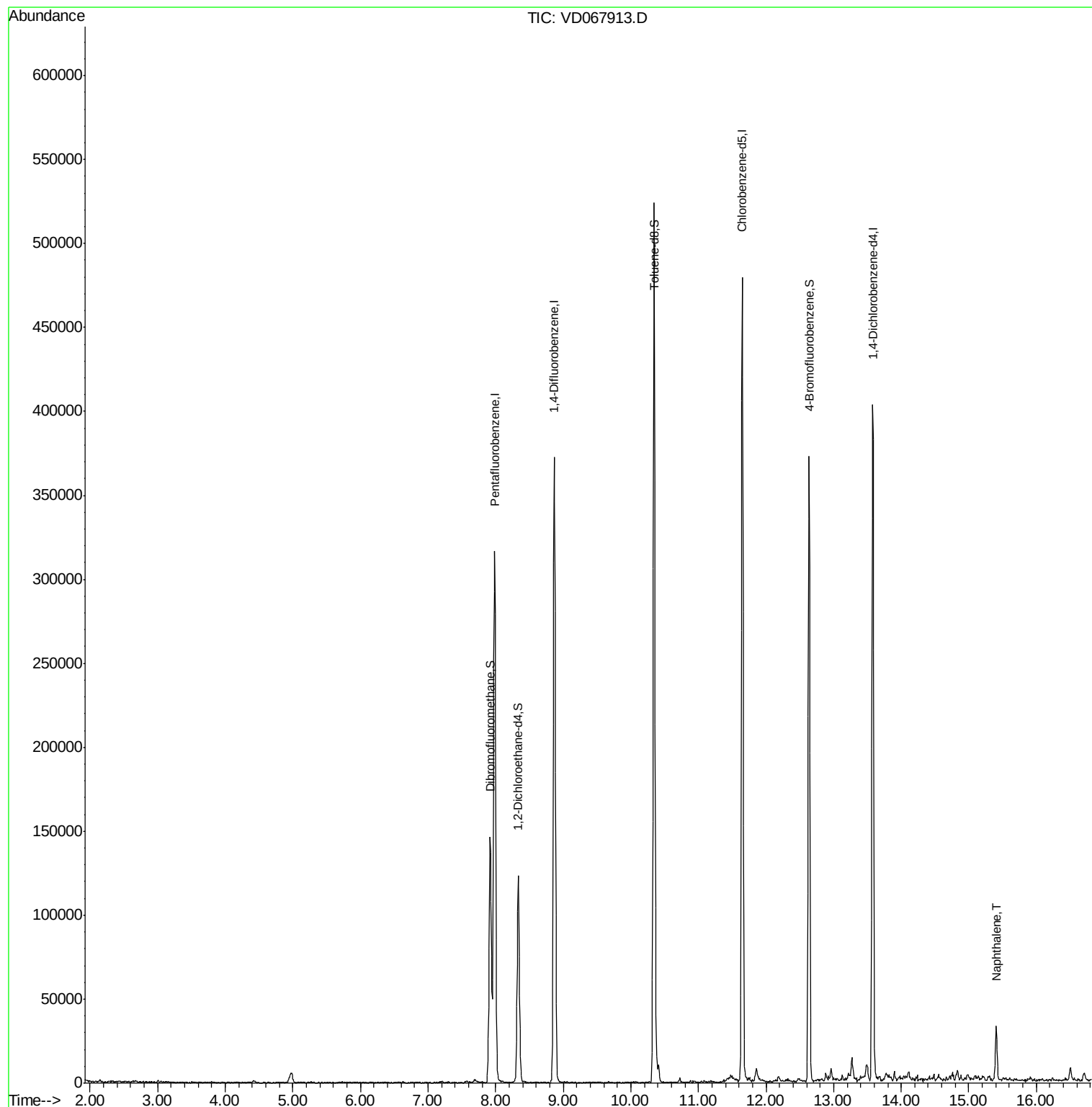
Target Compounds					Qvalue
95) Naphthalene	15.41	128	30336	8.134 ug/l	98

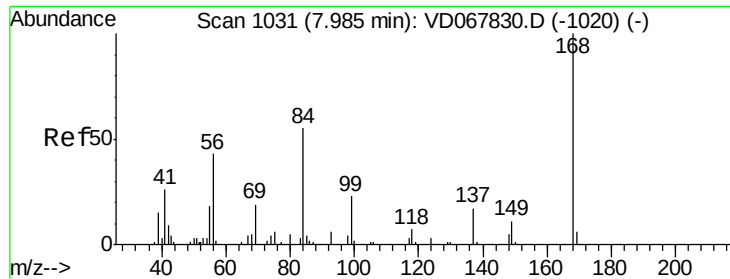
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067913.D

Acq: 08 Dec 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

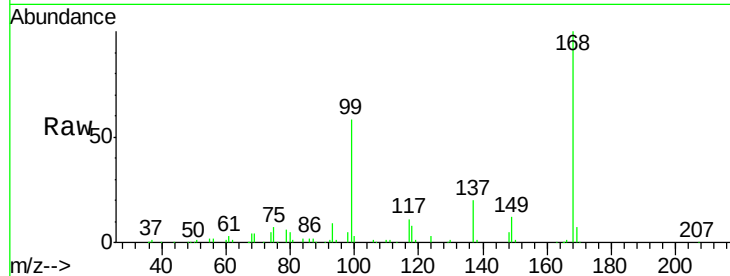
HD-01-120820

Tot Ion:168 Resp: 239185

Ion Ratio Lower Upper

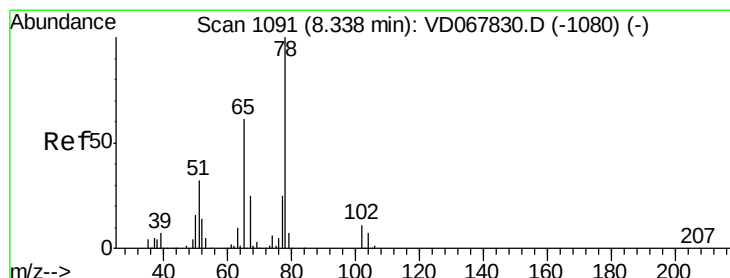
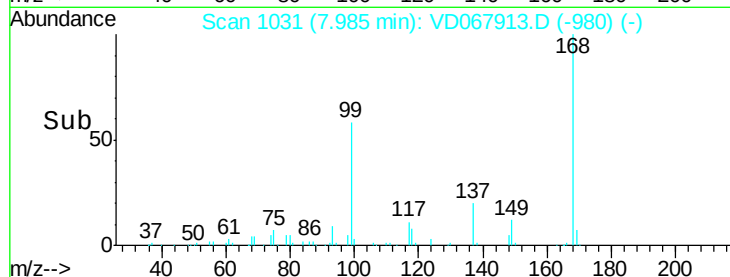
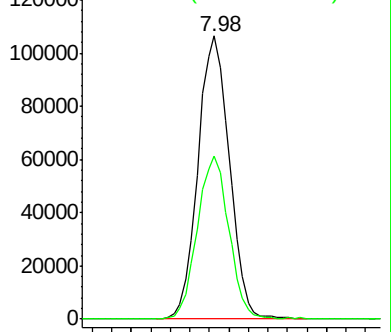
168 100

99 57.6 47.1 70.7



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: 44.548 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067913.D

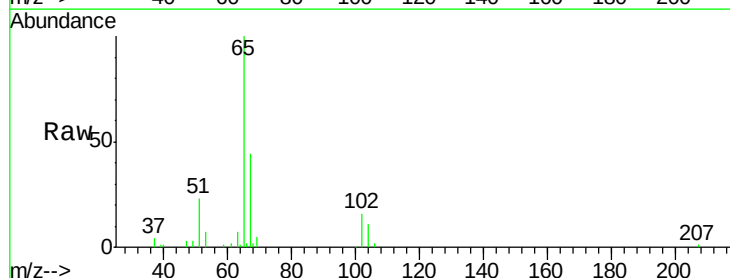
Acq: 08 Dec 2020 15:33

Tgt Ion: 65 Resp: 114389

Ion Ratio Lower Upper

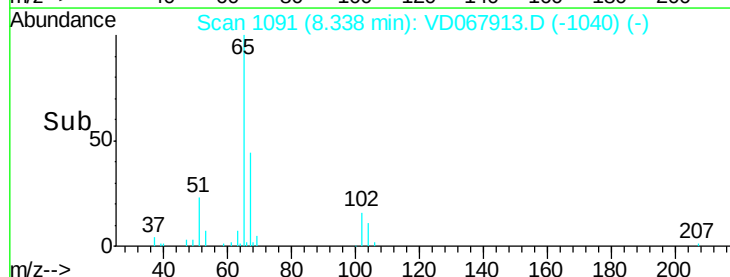
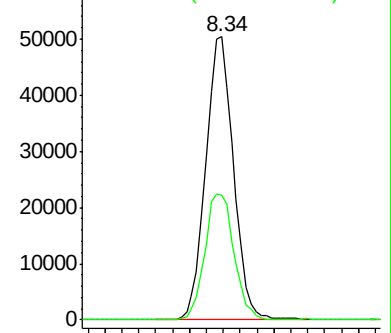
65 100

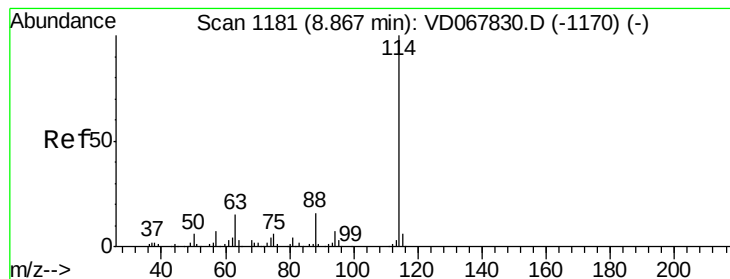
67 46.4 0.0 92.0



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: VD067913.D

Acq: 08 Dec 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

HD-01-120820

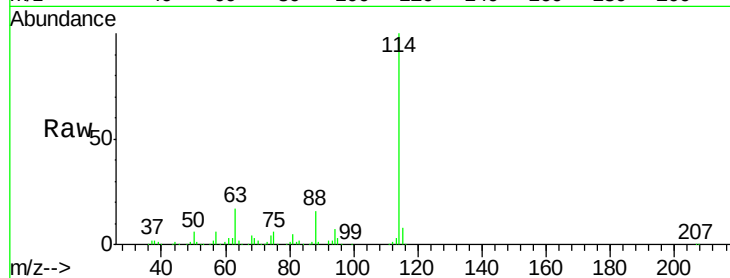
Tot Ion:114 Resp: 332321

Ion Ratio Lower Upper

114 100

63 16.8 0.0 30.8

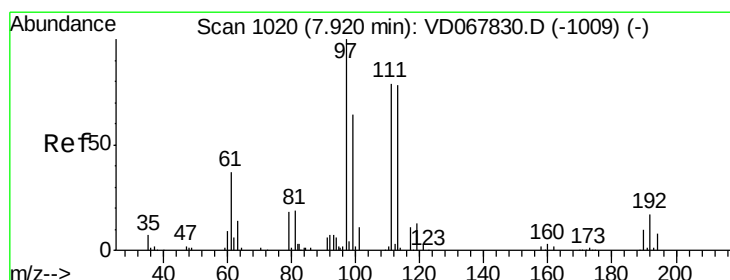
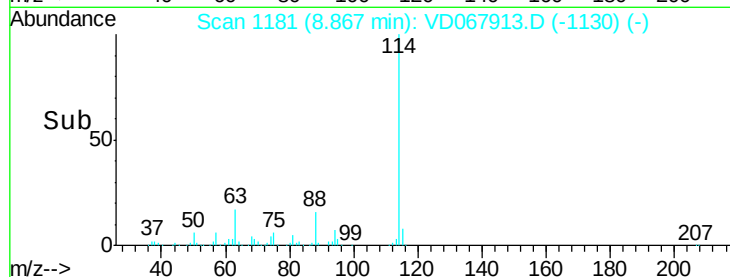
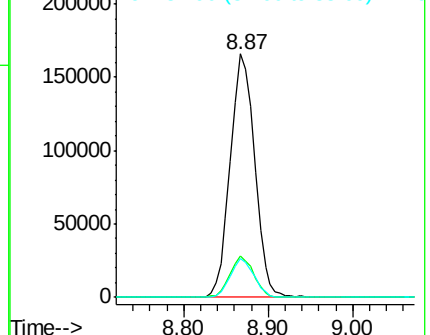
88 15.7 0.0 31.8



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: 43.795 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

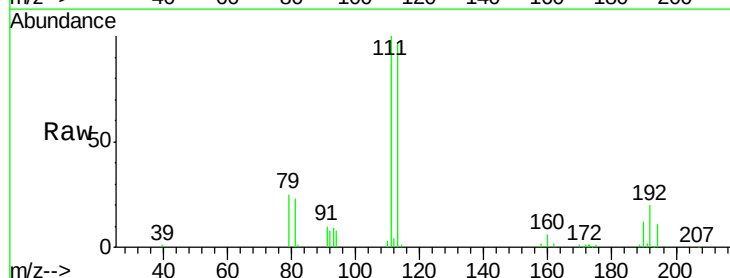
Tgt Ion:113 Resp: 97387

Ion Ratio Lower Upper

113 100

111 102.5 81.2 121.8

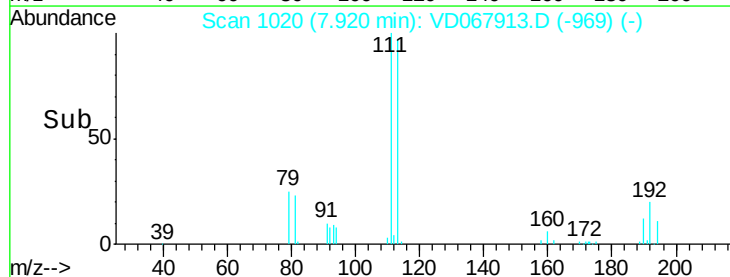
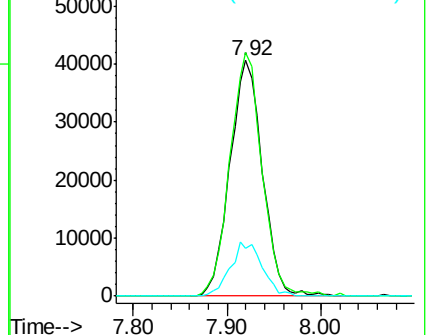
192 22.4 16.8 25.2

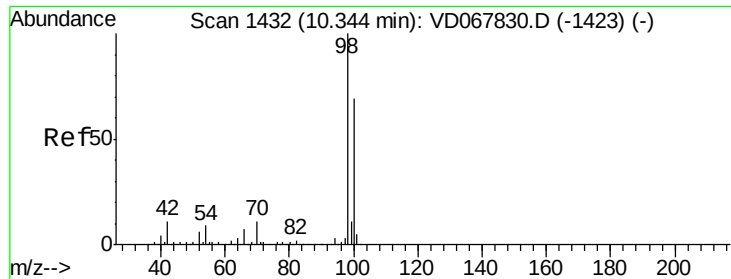


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 46.241 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

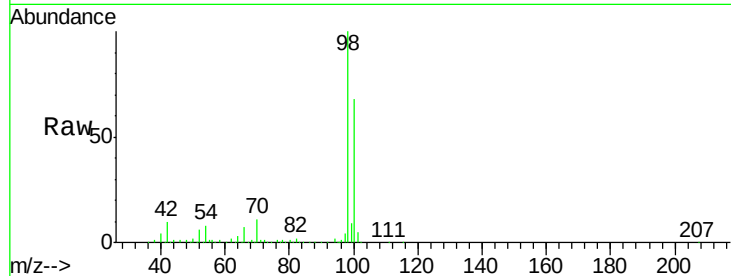
HD-01-120820

Tot Ion: 98 Resp: 370156

Ion Ratio Lower Upper

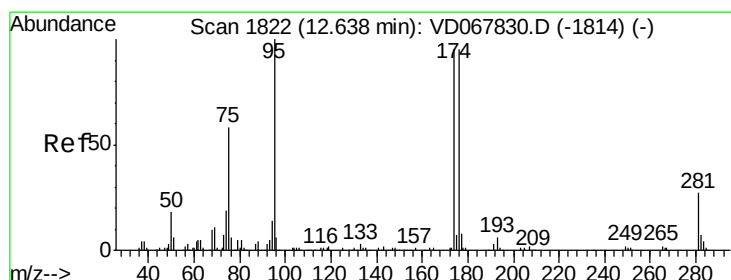
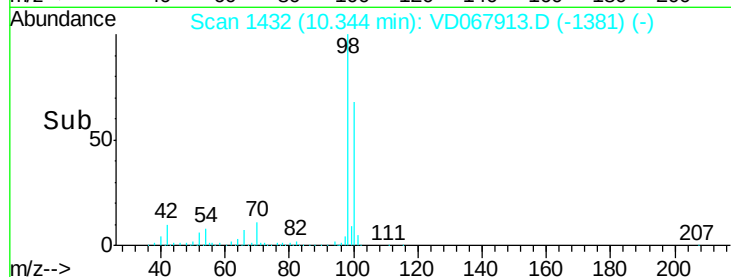
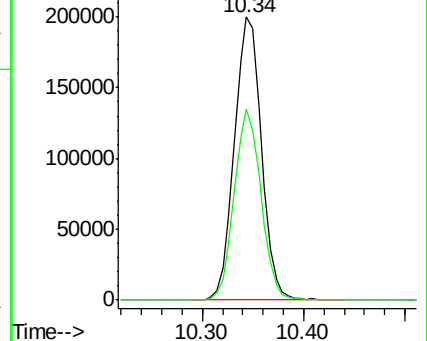
98 100

100 67.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 40.060 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067913.D

Acq: 08 Dec 2020 15:33

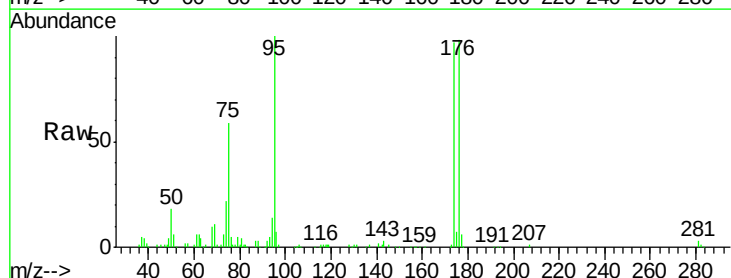
Tgt Ion: 95 Resp: 110868

Ion Ratio Lower Upper

95 100

174 95.6 0.0 186.0

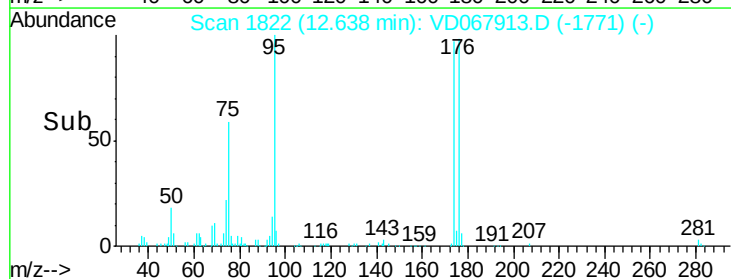
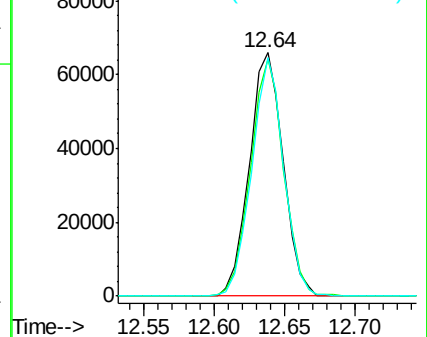
176 92.6 0.0 184.2

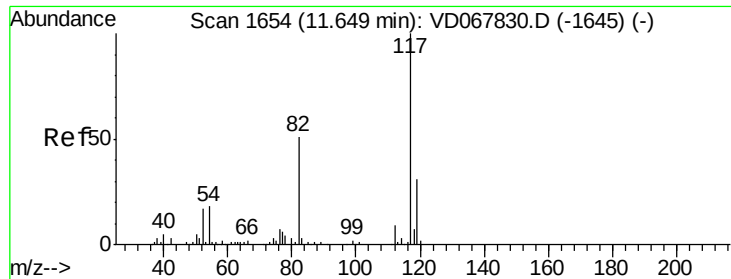


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

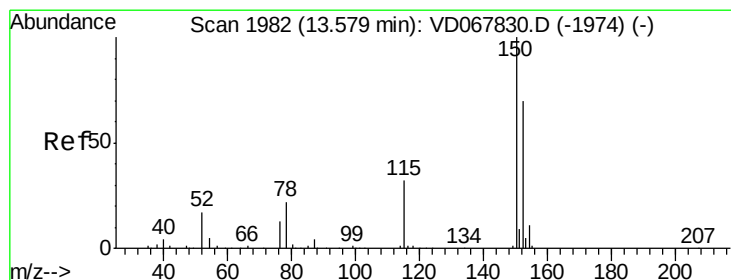
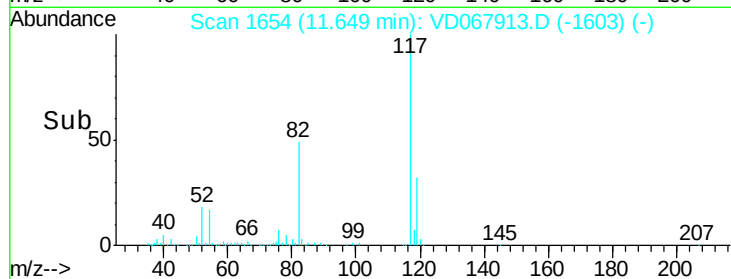
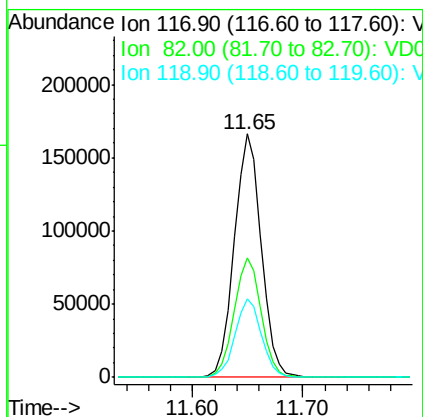
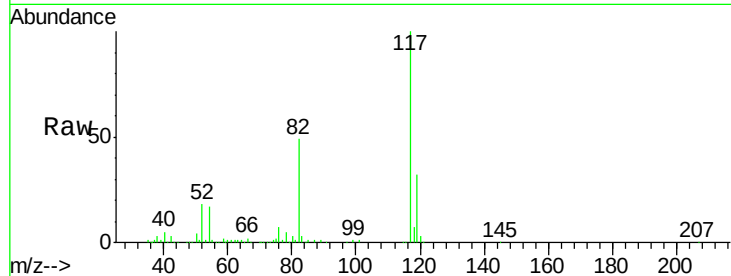




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067913.D
Acq: 08 Dec 2020 15:33

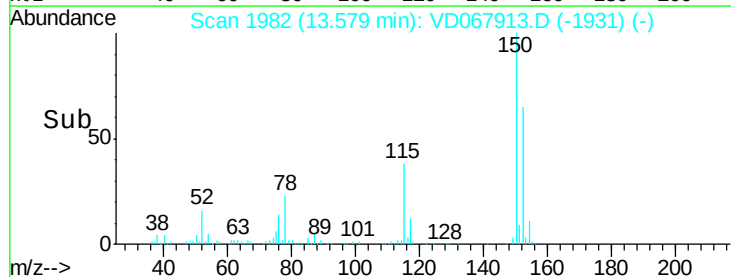
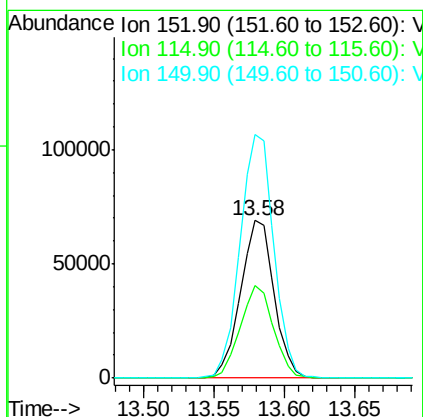
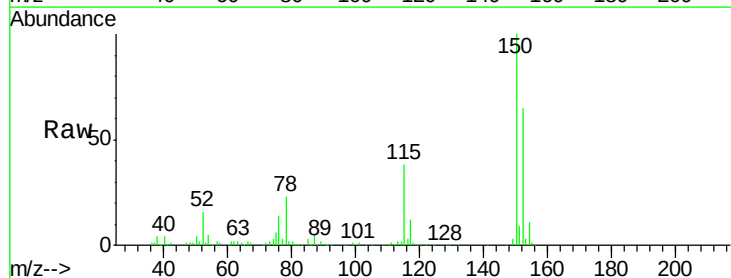
Instrument :
MSVOA_D
ClientSampleId :
HD-01-120820

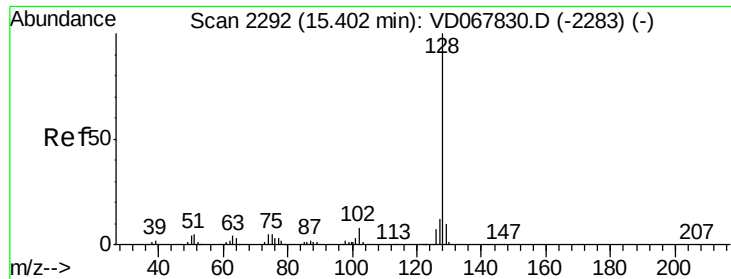
Tot Ion:117 Resp: 285376
Ion Ratio Lower Upper
117 100
82 49.1 40.6 60.8
119 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067913.D
Acq: 08 Dec 2020 15:33

Tgt Ion:152 Resp: 114553
Ion Ratio Lower Upper
152 100
115 58.8 29.1 87.4
150 155.5 0.0 339.0

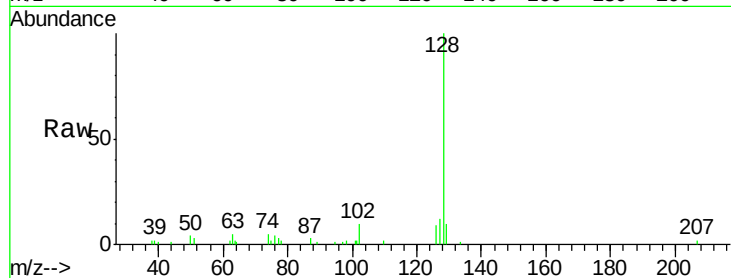




#95
 Naphthalene
 Concen: 8.134 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: VD067913.D
 Acq: 08 Dec 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-120820

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.6	15.8
129	11.1	9.0	13.6



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

