

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067754.D
 Acq On : 23 Nov 2020 19:05
 Operator : VA/SY
 Sample : L4588-01
 Misc : 6.5G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-112320

Quant Time: Nov 24 01:21:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	156307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	243924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	273601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	150095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	89880	59.14	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.28%
35) Dibromofluoromethane	7.92	113	80968	52.16	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.32%
50) Toluene-d8	10.34	98	285552	50.31	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.62%
62) 4-Bromofluorobenzene	12.64	95	127043	65.49	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	130.98%

Target Compounds

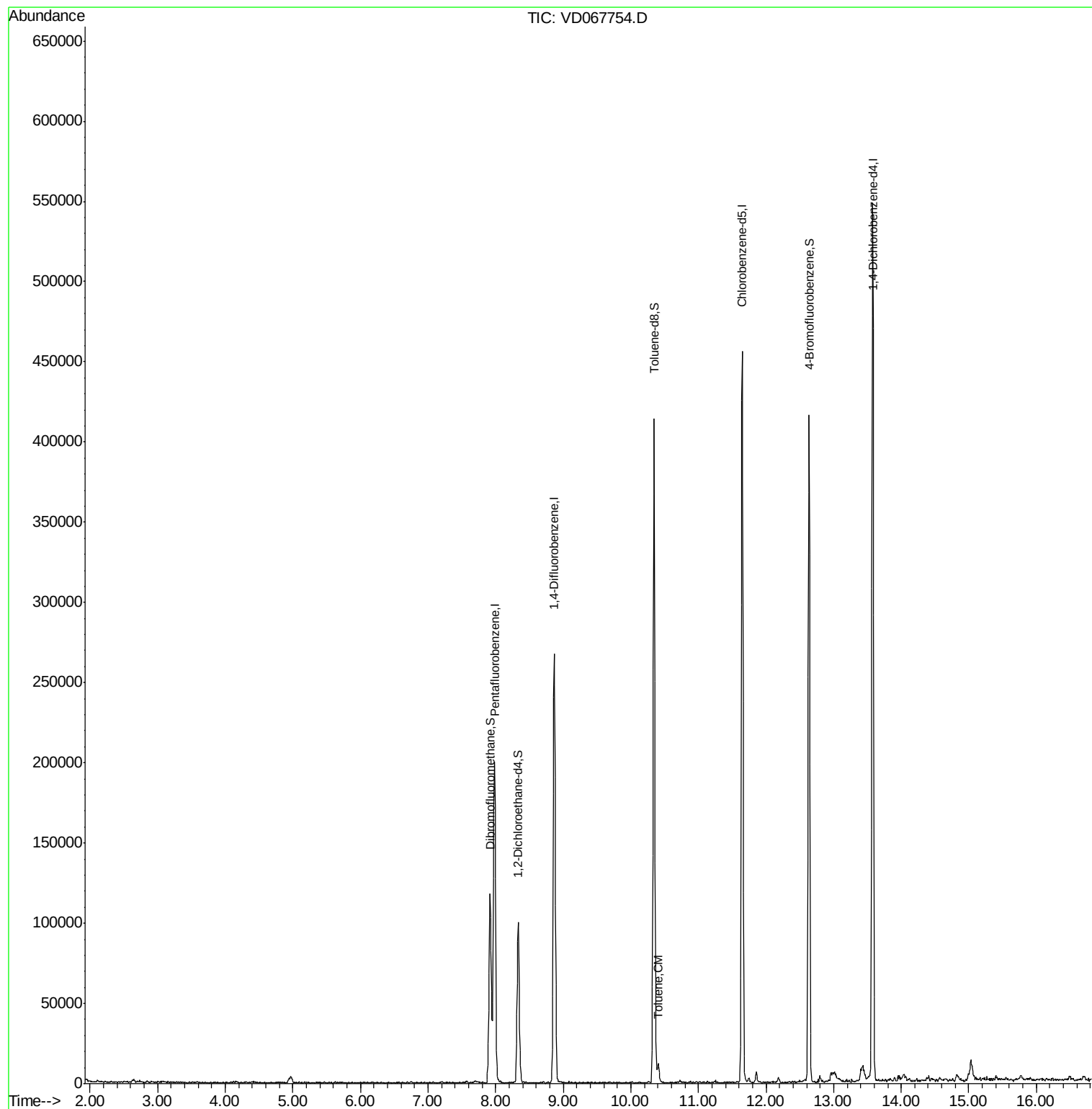
					Qvalue
52) Toluene	10.40	92	4346	1.114 ug/l	84

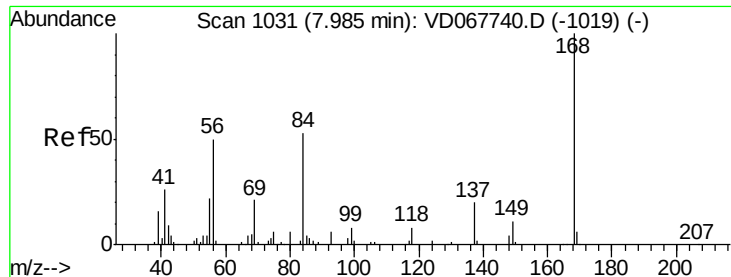
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067754.D

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Instrument :

MSVOA_D

ClientSampleId :

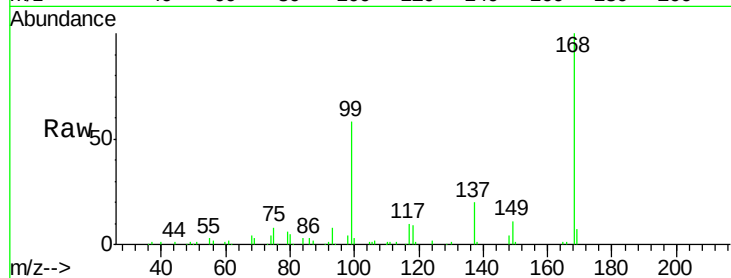
HD-02-112320

Tot Ion:168 Resp: 156307

Ion Ratio Lower Upper

168 100

99 57.6 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

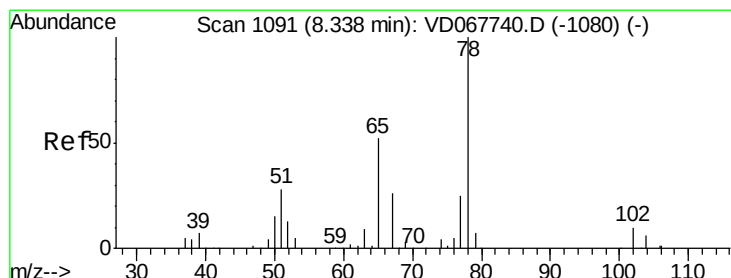
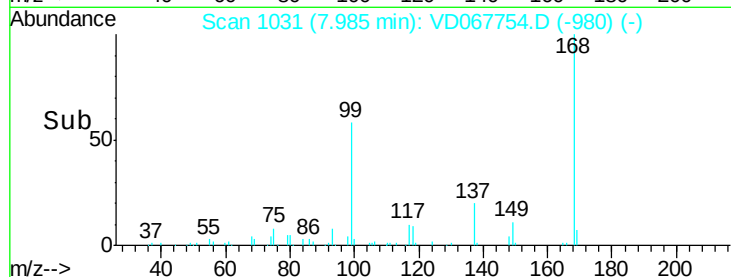
60000

40000

20000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#33

1,2-Dichloroethane-d4

Concen: 59.140 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067754.D

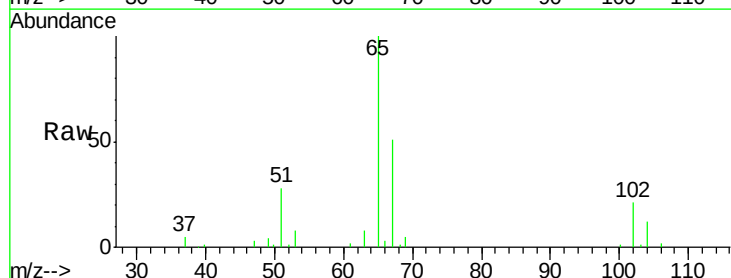
Acq: 23 Nov 2020 19:05

Tgt Ion: 65 Resp: 89880

Ion Ratio Lower Upper

65 100

67 48.6 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

40000

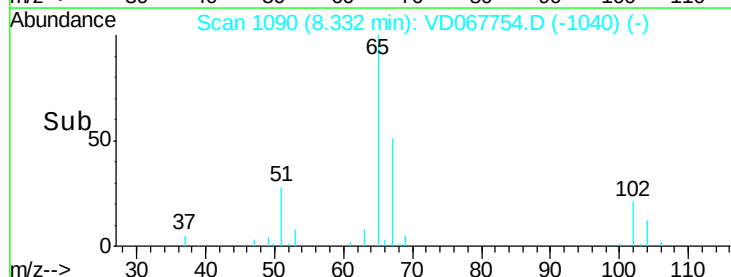
30000

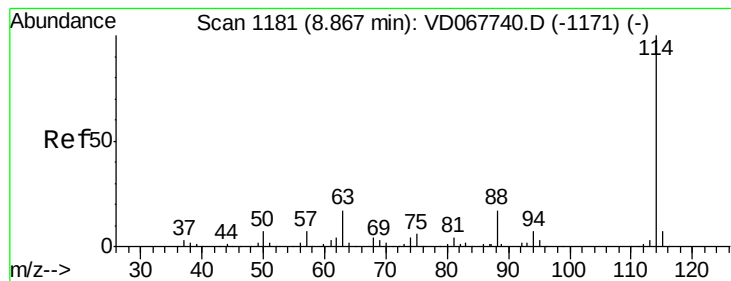
20000

10000

0

Time--> 8.25 8.30 8.35 8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067754.D

Acq: 23 Nov 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

HD-02-112320

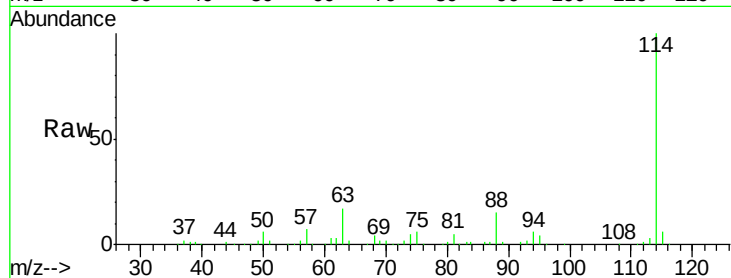
Tot Ion:114 Resp: 243924

Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.8

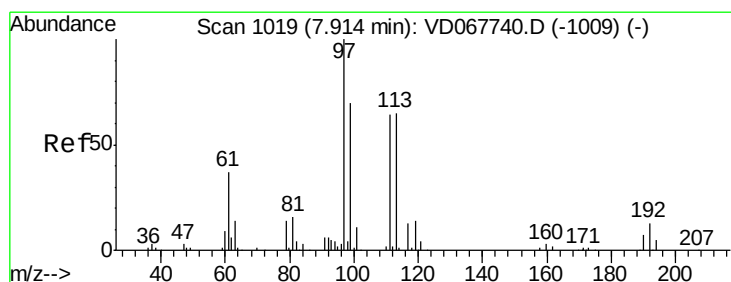
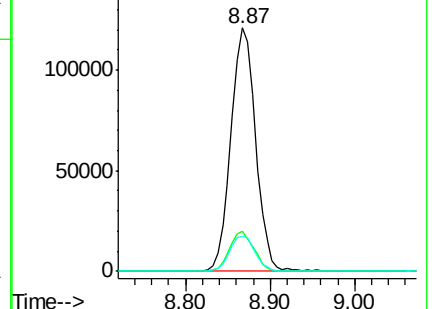
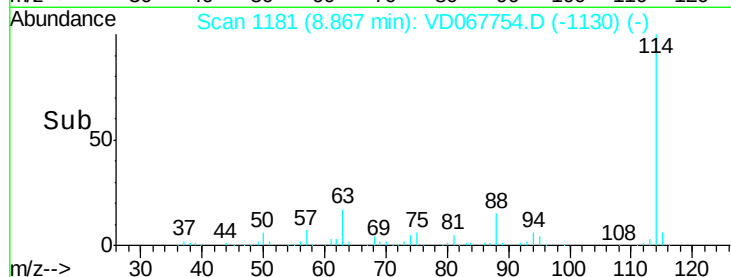
88 14.6 0.0 34.4



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: 52.159 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067754.D

Acq: 23 Nov 2020 19:05

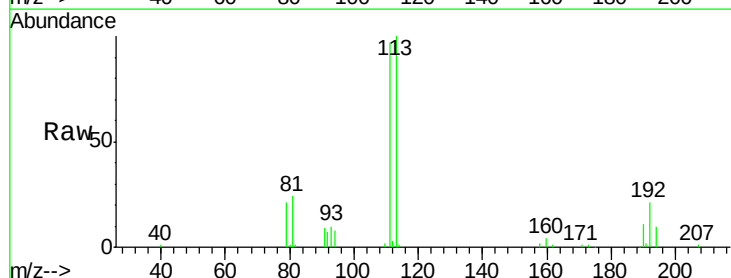
Tgt Ion:113 Resp: 80968

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

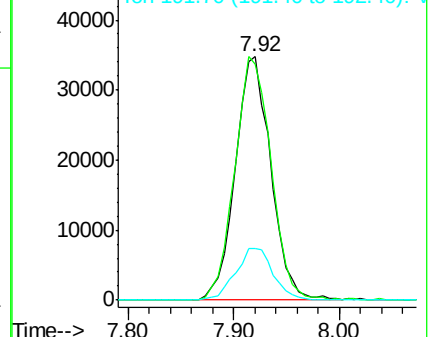
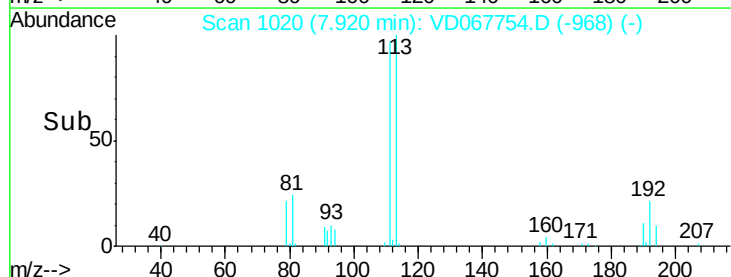
192 22.5 17.0 25.4

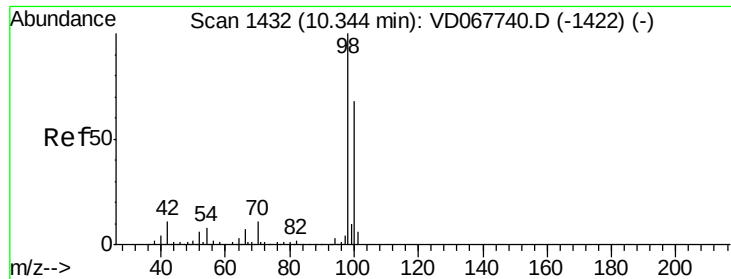


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

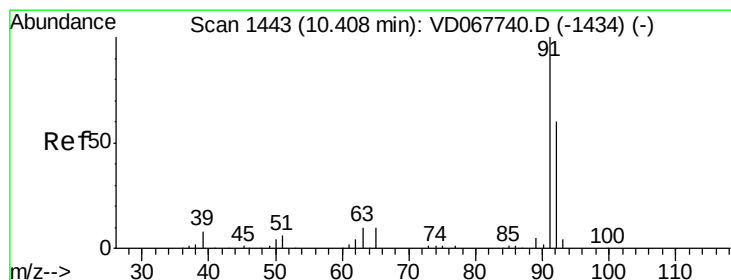
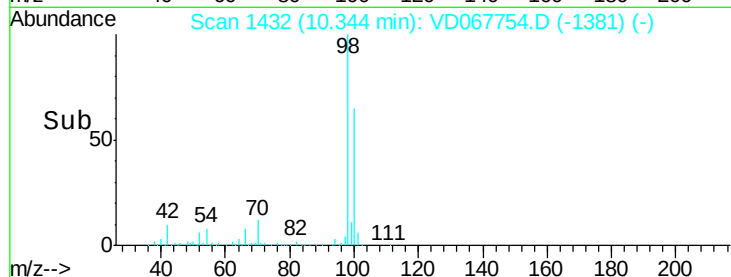
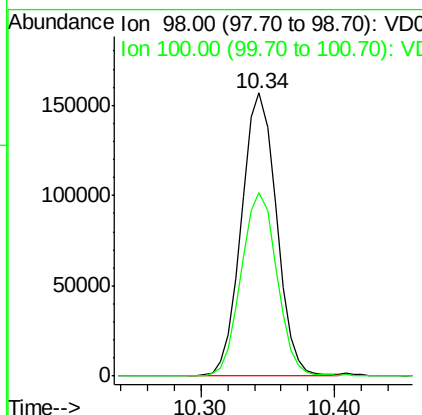
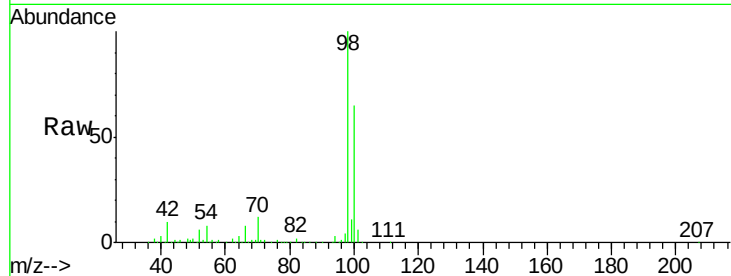




#50
Toluene-d8
Concen: 50.314 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067754.D
Acq: 23 Nov 2020 19:05

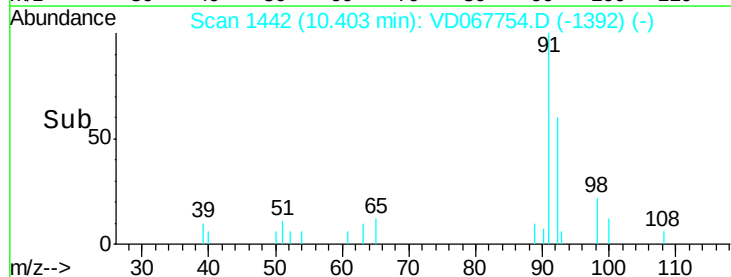
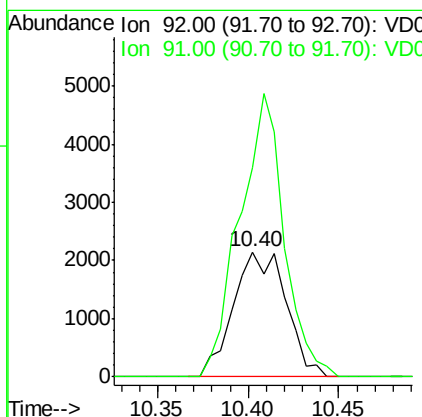
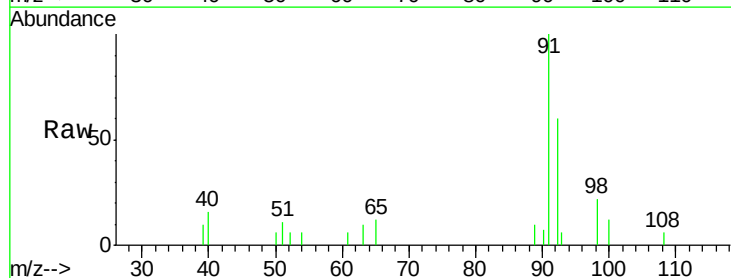
Instrument :
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HD-02-112320

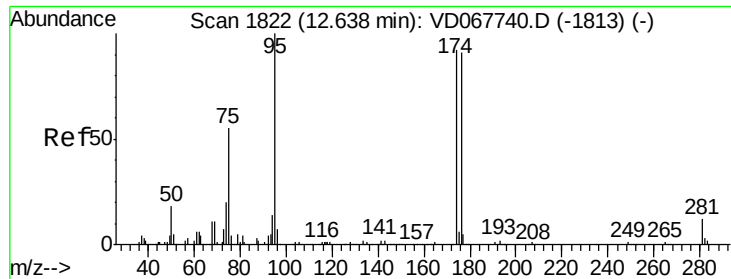
Tot Ion: 98 Resp: 28552
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#52
Toluene
Concen: 1.114 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD067754.D
Acq: 23 Nov 2020 19:05

Tgt Ion: 92 Resp: 4346
Ion Ratio Lower Upper
92 100
91 190.8 135.4 203.0

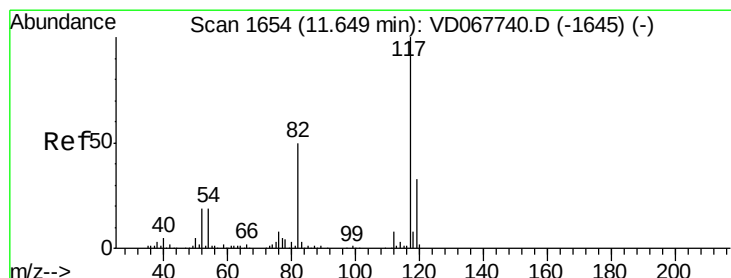
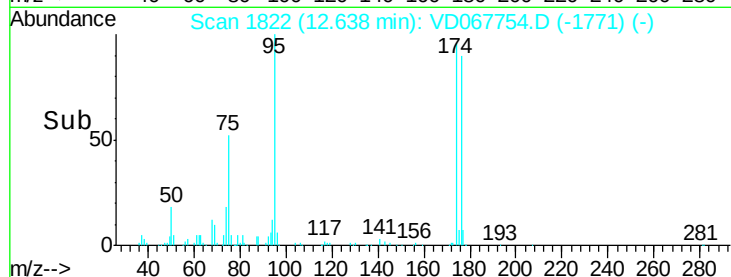
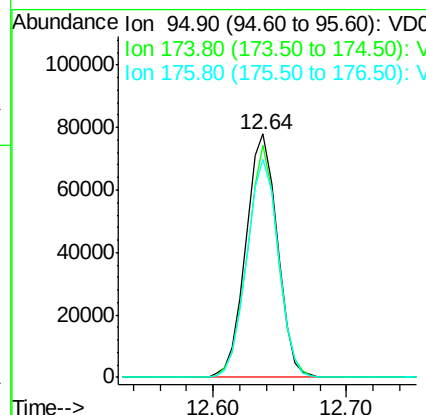
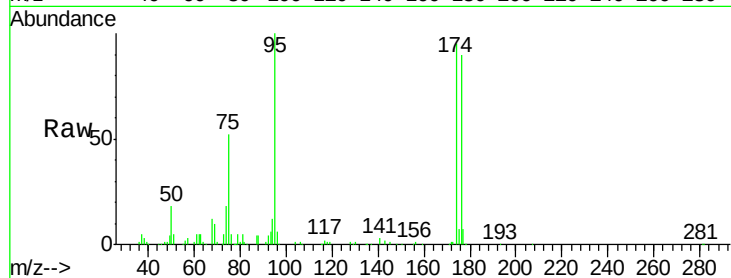




#62
4-Bromofluorobenzene
Concen: 65.490 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067754.D
Acq: 23 Nov 2020 19:05

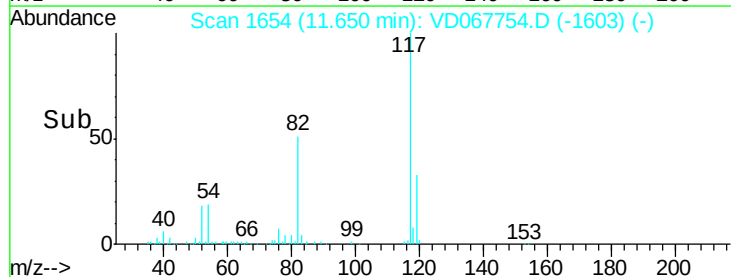
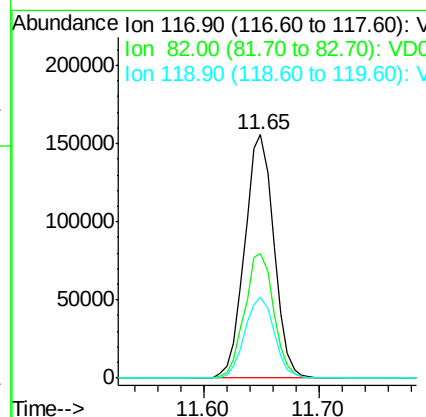
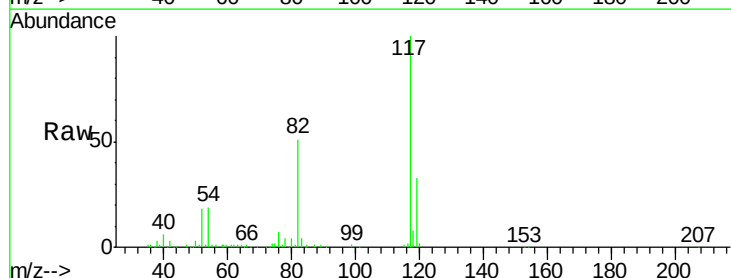
Instrument :
MSVOA_D
ClientSampleId :
HD-02-112320

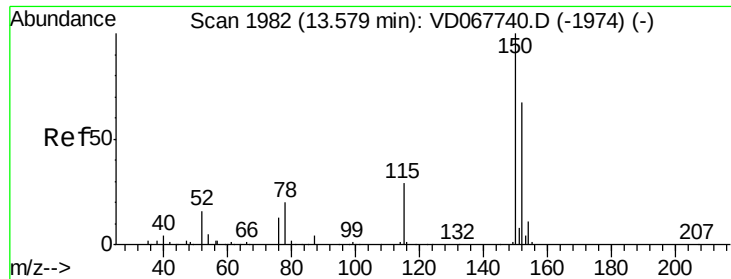
Tot Ion: 95 Resp: 127043
Ion Ratio Lower Upper
95 100
174 91.4 0.0 182.4
176 89.9 0.0 178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067754.D
Acq: 23 Nov 2020 19:05

Tgt Ion: 117 Resp: 273601
Ion Ratio Lower Upper
117 100
82 51.0 40.2 60.4
119 33.4 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067754.D

Acq: 23 Nov 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

HD-02-112320

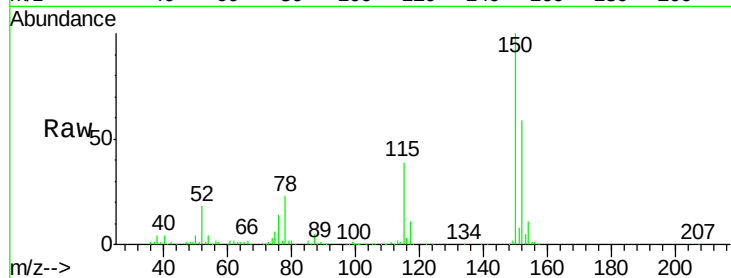
Tot Ion:152 Resp: 150095

Ion Ratio Lower Upper

152 100

115 61.0 29.4 88.3

150 159.8 0.0 340.6



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

