

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067215.D
 Acq On : 09 Oct 2020 16:50
 Operator : VA/SY
 Sample : L4316-01
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 11929

Quant Time: Oct 10 00:49:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	474679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	777058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	722169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	358737	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	207974	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
35) Dibromofluoromethane	7.92	113	225784	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	
50) Toluene-d8	10.34	98	915885	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.64	95	329067	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

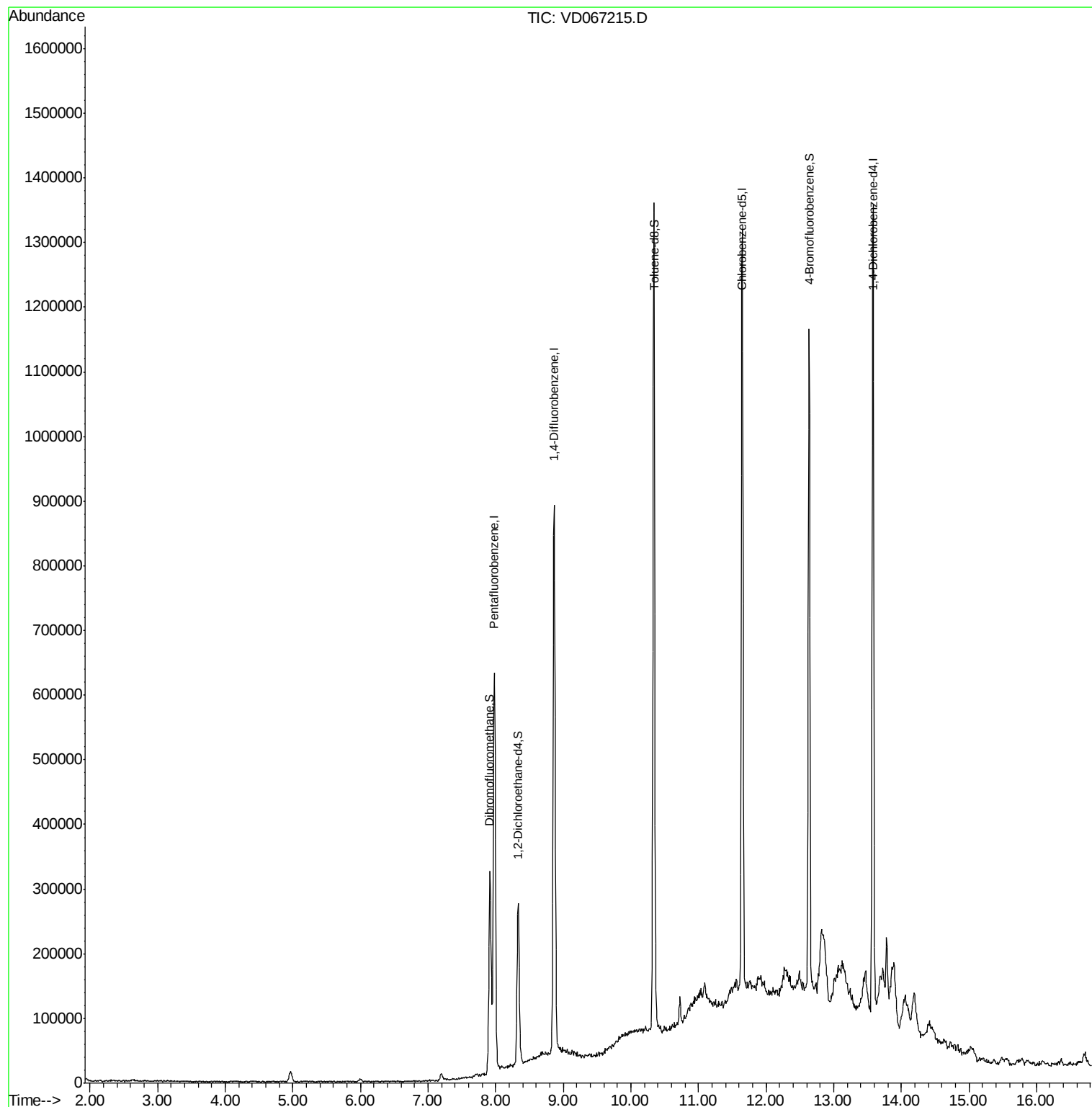
Target Compounds	Qvalue

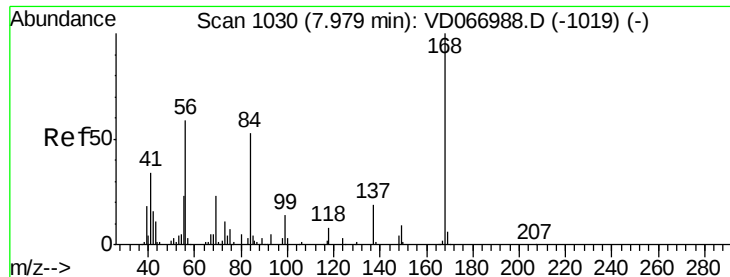
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067215.D

Acq: 09 Oct 2020 16:50

Instrument :

MSVOA_D

ClientSampleId :

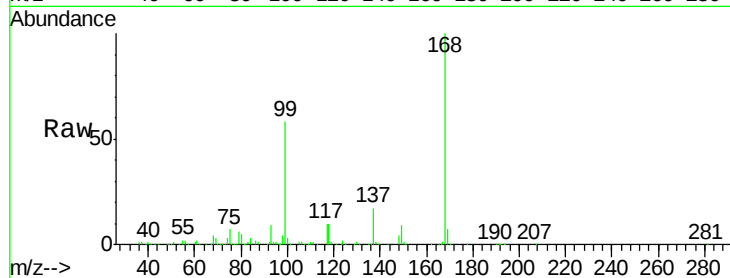
11929

Tot Ion:168 Resp: 474679

Ion Ratio Lower Upper

168 100

99 57.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

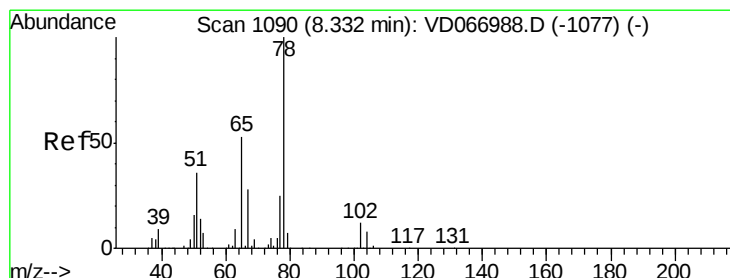
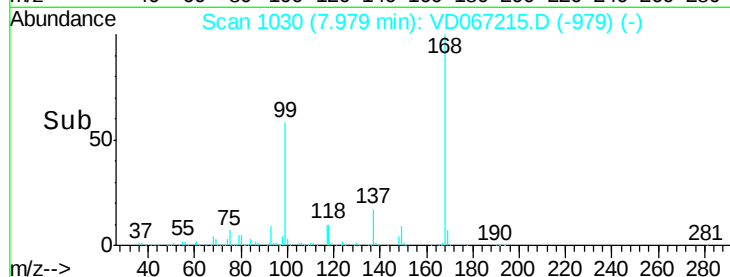
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.488 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067215.D

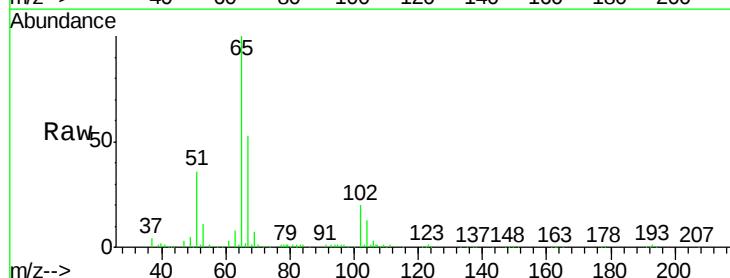
Acq: 09 Oct 2020 16:50

Tgt Ion: 65 Resp: 207974

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

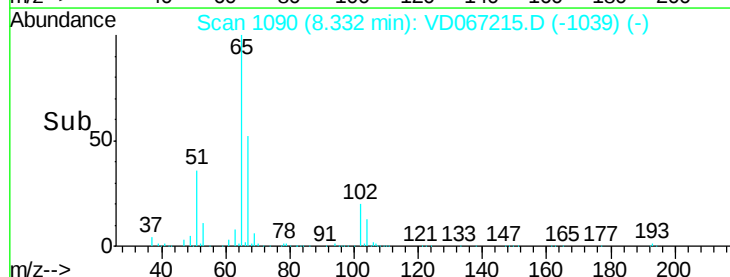
60000

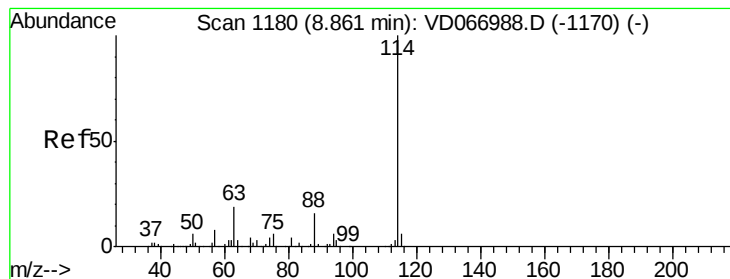
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067215.D

Acq: 09 Oct 2020 16:50

Instrument :

MSVOA_D

ClientSampleId :

11929

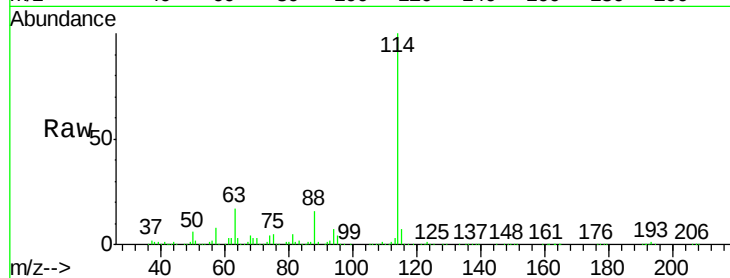
Tot Ion:114 Resp: 777058

Ion Ratio Lower Upper

114 100

63 17.1 0.0 38.4

88 15.8 0.0 31.2



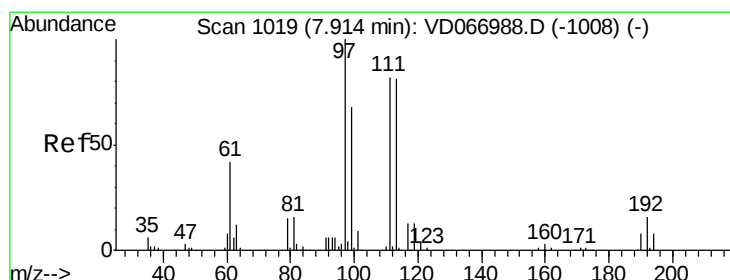
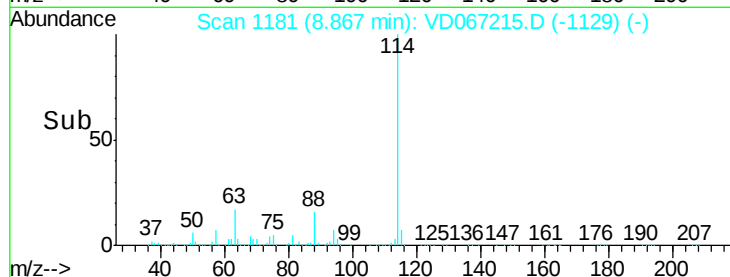
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

8.87

Time-->



#35

Dibromofluoromethane

Concen: 44.382 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067215.D

Acq: 09 Oct 2020 16:50

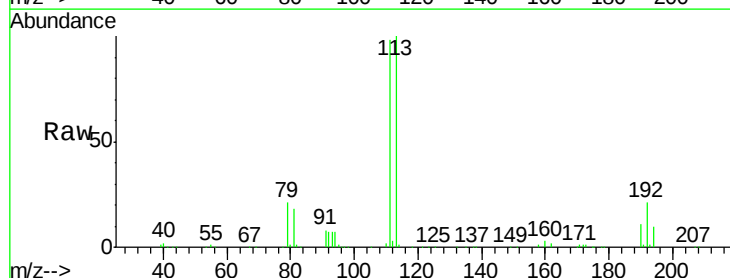
Tgt Ion:113 Resp: 225784

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

192 21.1 15.5 23.3



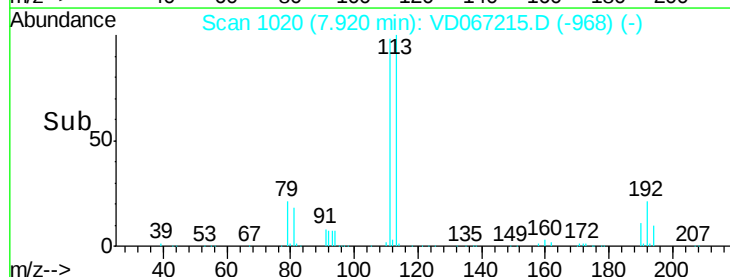
Abundance Ion 112.80 (112.50 to 113.50): V

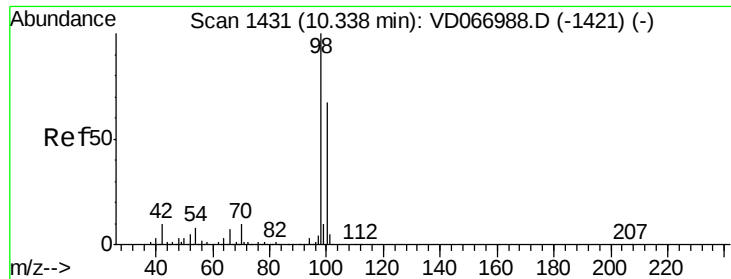
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.92

Time-->

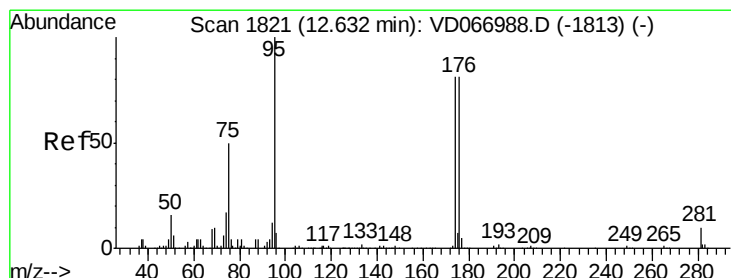
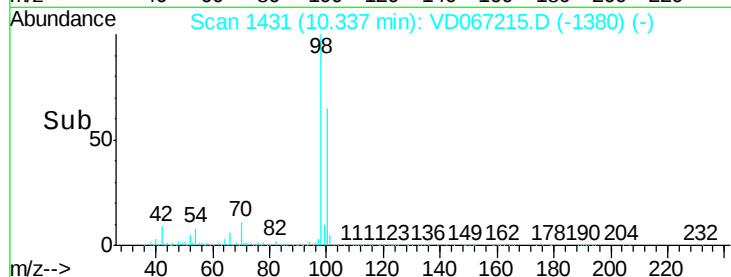
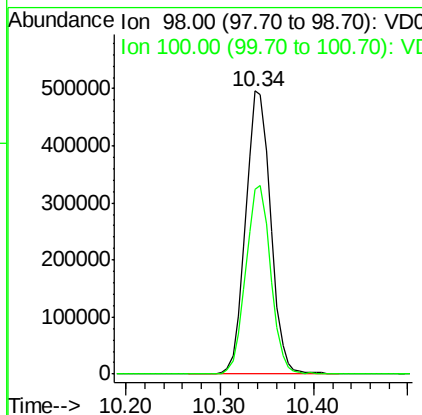
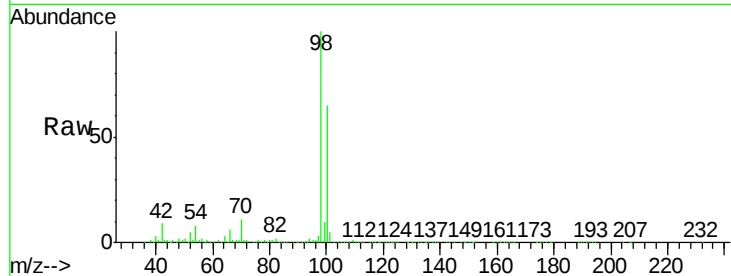




#50
Toluene-d8
Concen: 49.408 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067215.D
Acq: 09 Oct 2020 16:50

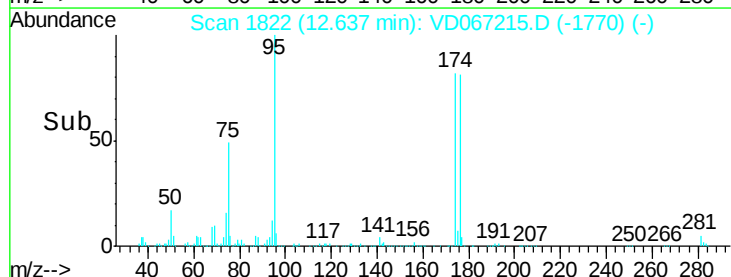
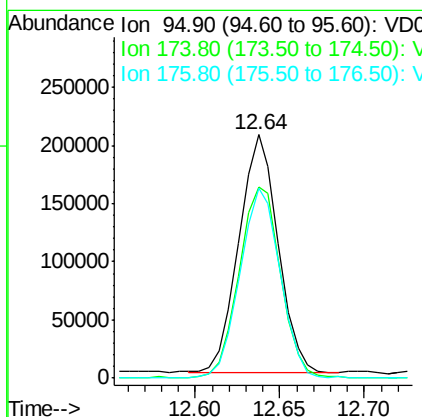
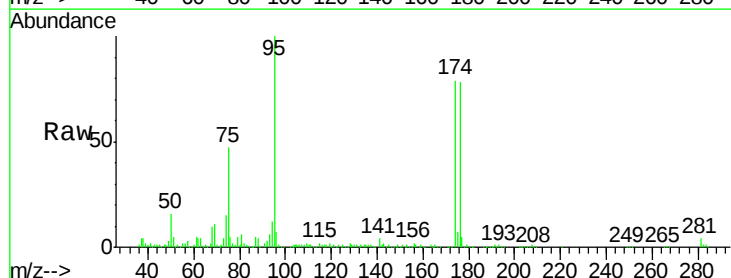
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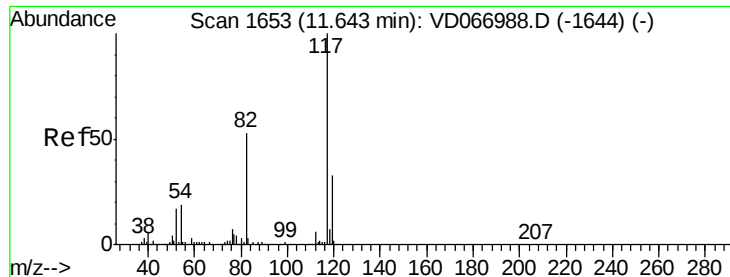
Tot Ion: 98 Resp: 915885
Ion Ratio Lower Upper
98 100
100 66.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.291 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067215.D
Acq: 09 Oct 2020 16:50

Tgt Ion: 95 Resp: 329067
Ion Ratio Lower Upper
95 100
174 85.4 0.0 167.6
176 82.4 0.0 162.4

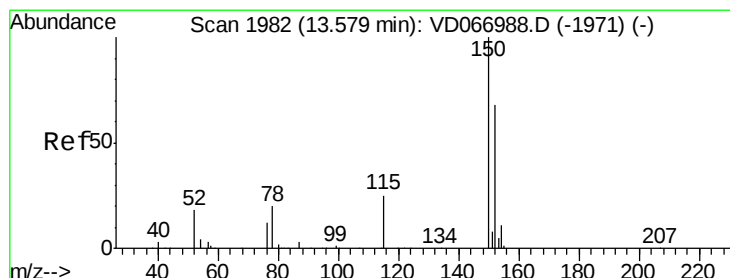
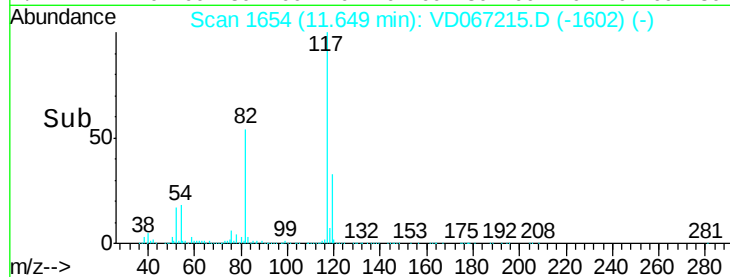
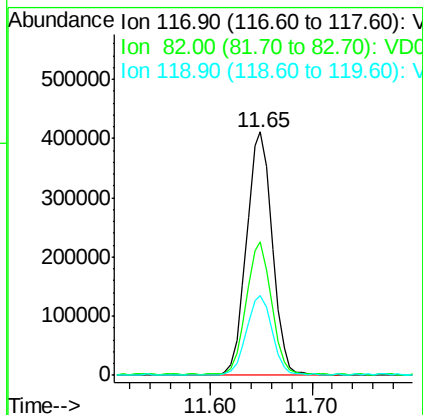
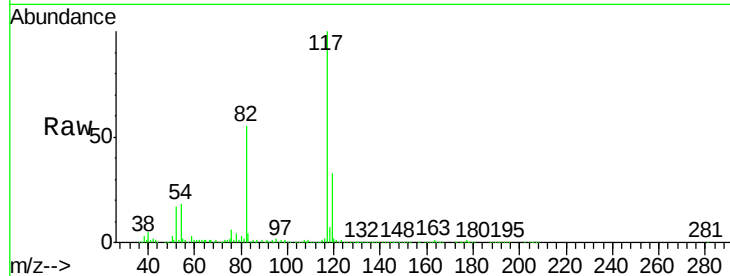




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067215.D
Acq: 09 Oct 2020 16:50

Instrument :
MSVOA_D
ClientSampleId :
11929

Tot Ion:117 Resp: 722169
Ion Ratio Lower Upper
117 100
82 54.6 42.6 63.8
119 32.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067215.D
Acq: 09 Oct 2020 16:50

Tgt Ion:152 Resp: 358737
Ion Ratio Lower Upper
152 100
115 58.6 29.6 88.8
150 153.3 0.0 344.8

