

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101520\
 Data File : VD067287.D
 Acq On : 15 Oct 2020 16:55
 Operator : VA/SY
 Sample : L4392-01RE
 Misc : 4.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1RE

Quant Time: Oct 16 01:42:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	112146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	186549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	198304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	97438	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	83535	74.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.70%	
35) Dibromofluoromethane	7.91	113	71014	57.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.40%	
50) Toluene-d8	10.34	98	228078	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.64	95	81795	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	

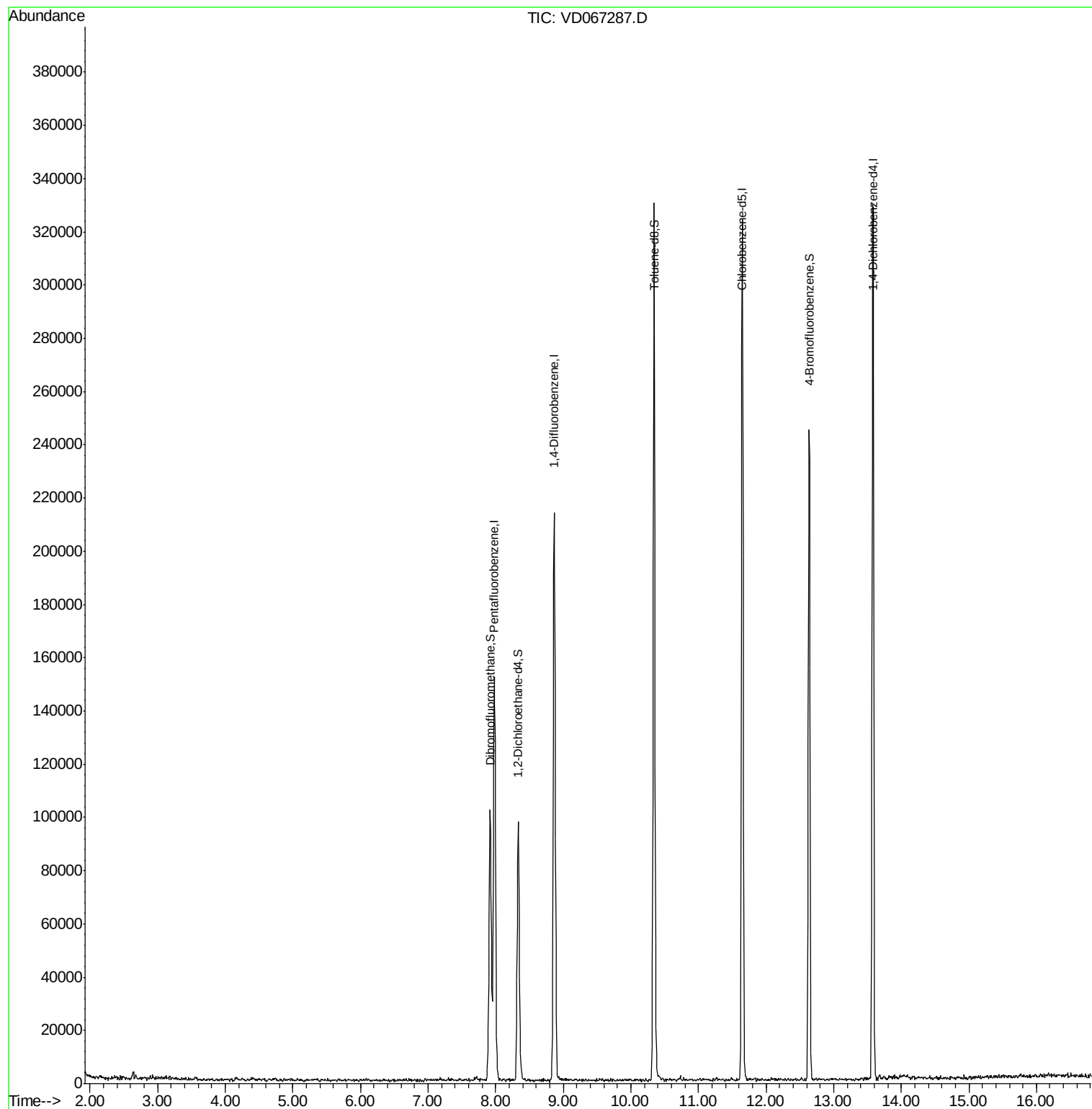
Target Compounds	Qvalue

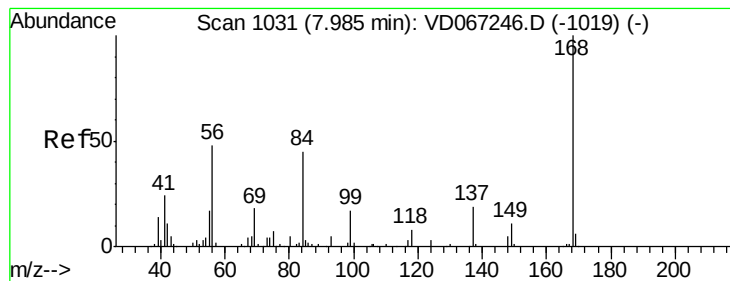
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067287.D

Acq: 15 Oct 2020 16:55

Instrument :

MSVOA_D

ClientSampleId :

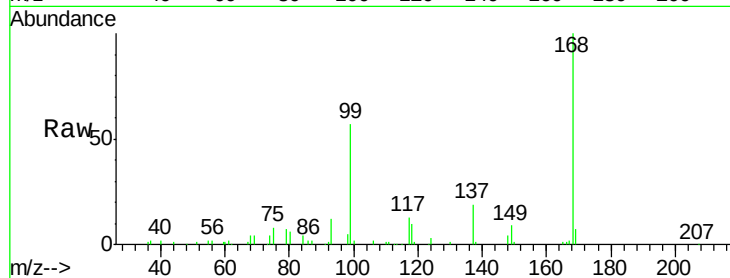
TP-1RE

Tot Ion:168 Resp: 112146

Ion Ratio Lower Upper

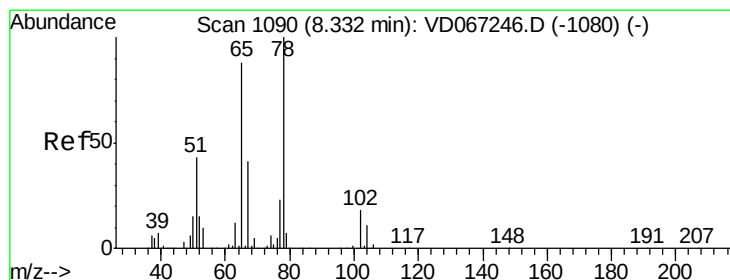
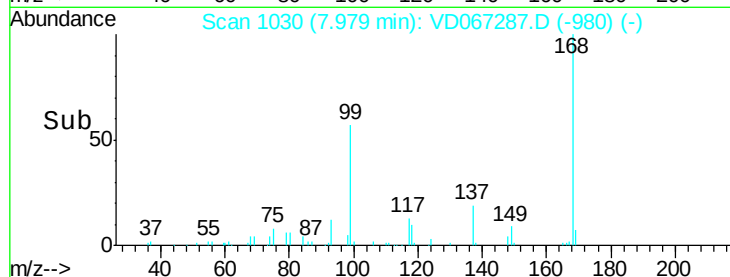
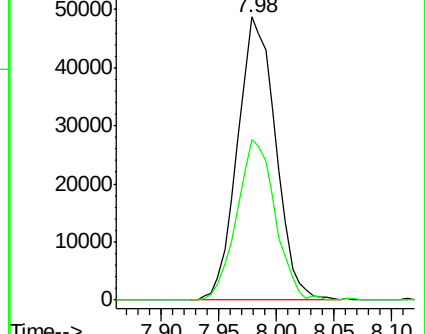
168 100

99 56.6 45.9 68.9



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: 74.350 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067287.D

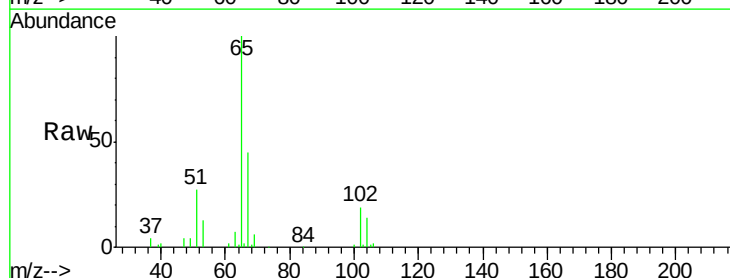
Acq: 15 Oct 2020 16:55

Tgt Ion: 65 Resp: 83535

Ion Ratio Lower Upper

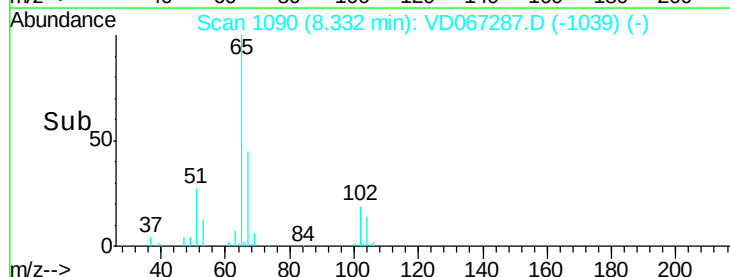
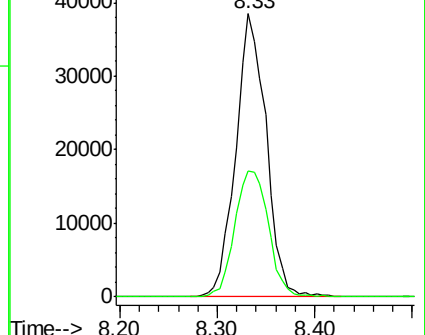
65 100

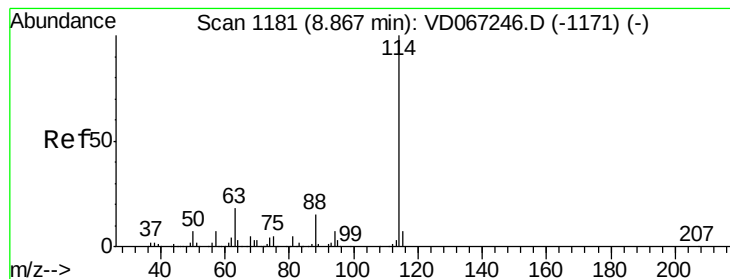
67 49.4 0.0 103.8



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# 1181

Delta R.T. -0.00 min

Lab File: VD067287.D

Acq: 15 Oct 2020 16:55

Instrument :

MSVOA_D

ClientSampleId :

TP-1RE

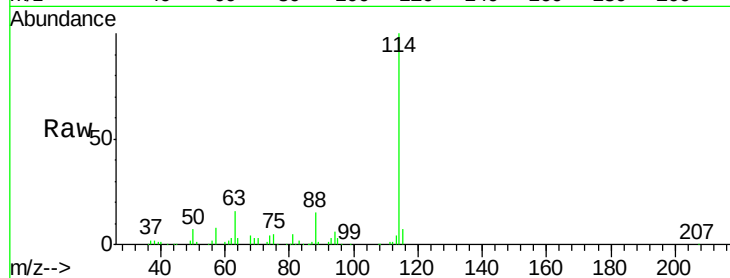
Tot Ion:114 Resp: 186549

Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.0

88 14.9 0.0 30.6



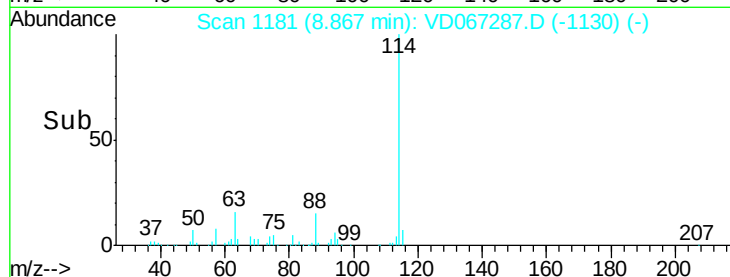
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

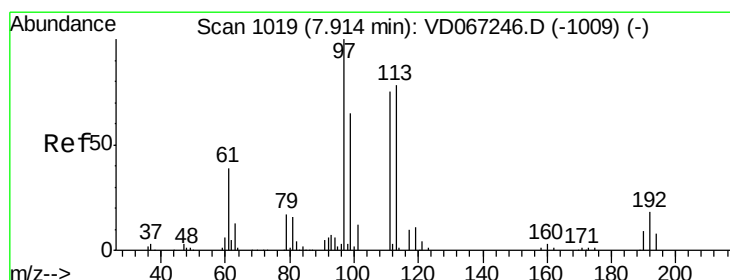
Ion 87.90 (87.60 to 88.60): V

8.87

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 57.201 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067287.D

Acq: 15 Oct 2020 16:55

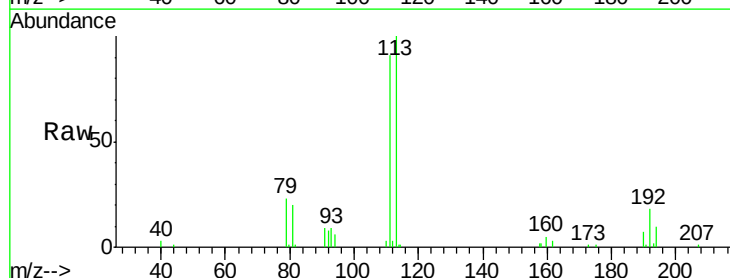
Tgt Ion:113 Resp: 71014

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

192 20.6 17.0 25.4



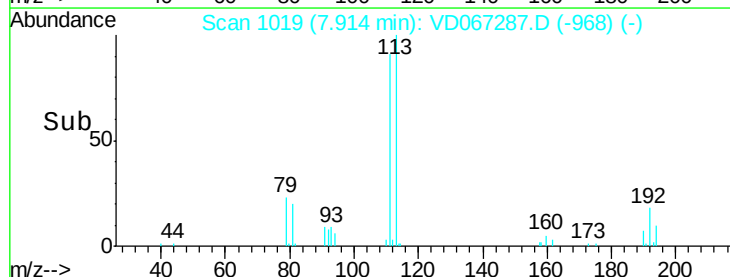
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

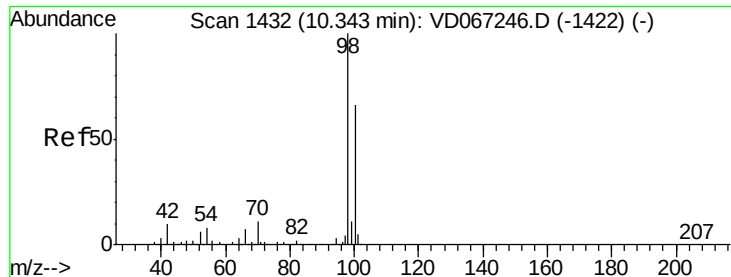
Ion 191.70 (191.40 to 192.40): V

7.91

Time-->



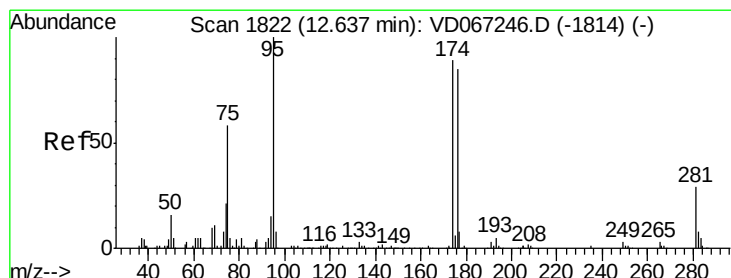
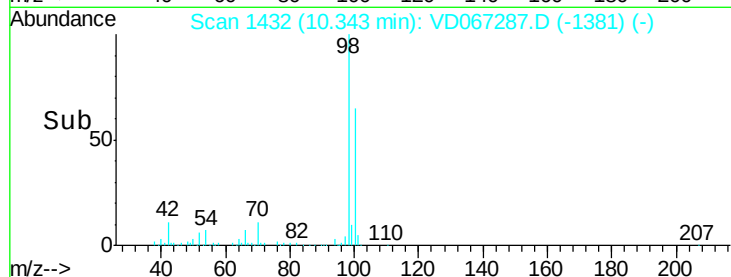
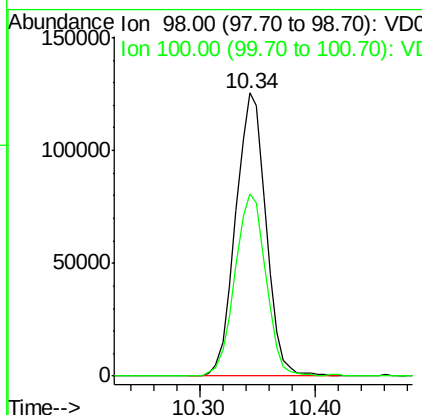
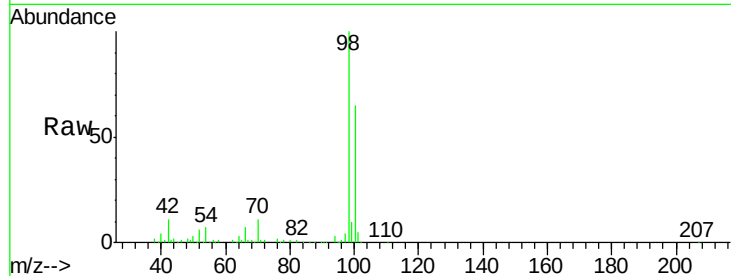
Time-->



#50
Toluene-d8
Concen: 50.765 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067287.D
Acq: 15 Oct 2020 16:55

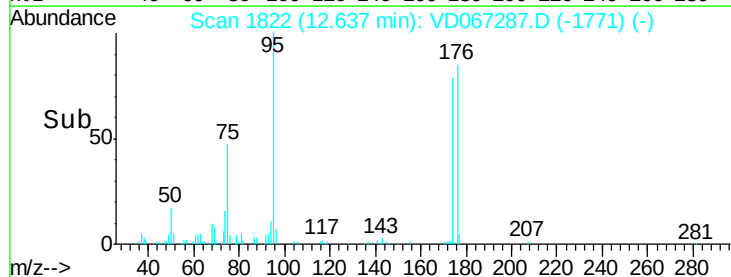
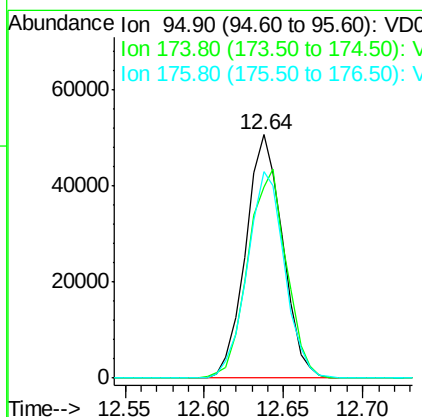
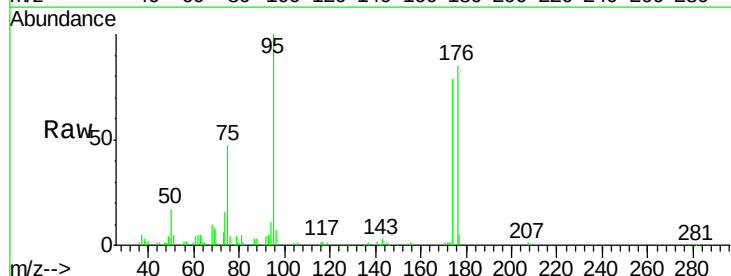
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

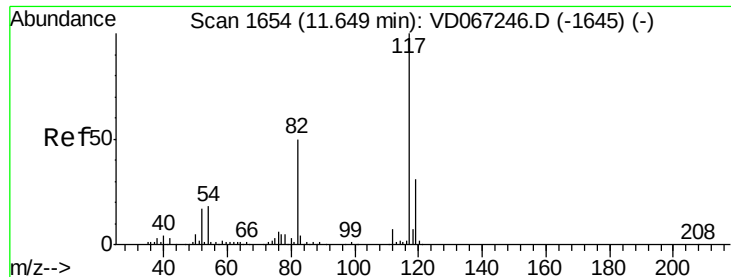
Tot Ion: 98 Resp: 228078
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 52.357 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067287.D
Acq: 15 Oct 2020 16:55

Tgt Ion: 95 Resp: 81795
Ion Ratio Lower Upper
95 100
174 89.1 0.0 175.2
176 86.0 0.0 168.6

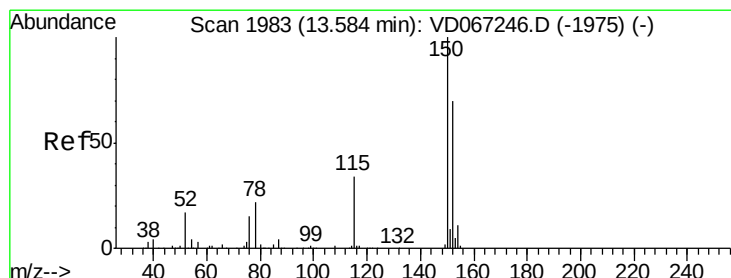
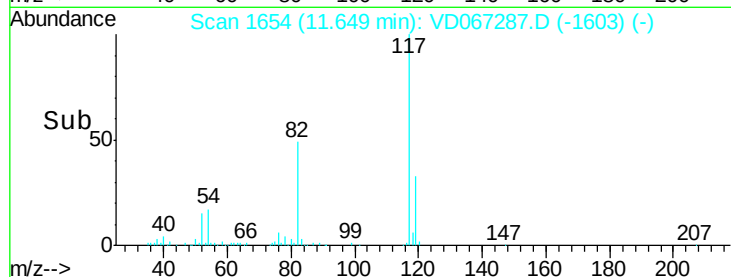
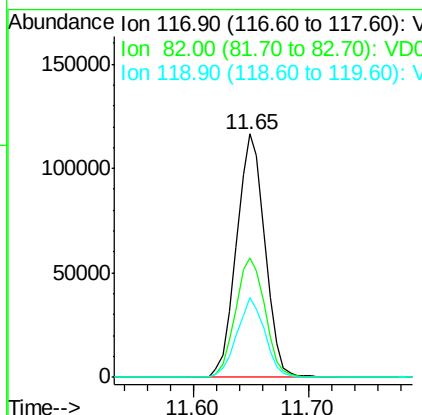
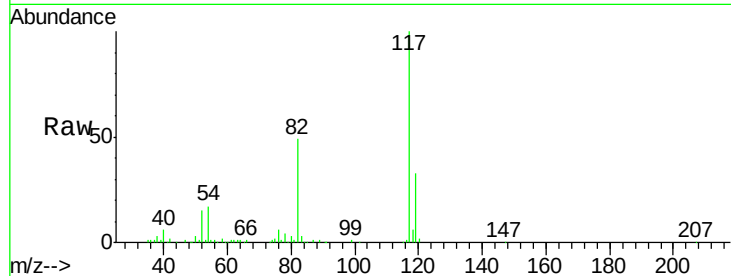




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067287.D
Acq: 15 Oct 2020 16:55

Instrument :
MSVOA_D
ClientSampled :
TP-1RE

Tot Ion:117 Resp: 198304
Ion Ratio Lower Upper
117 100
82 49.1 39.9 59.9
119 32.8 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067287.D
Acq: 15 Oct 2020 16:55

Tgt Ion:152 Resp: 97438
Ion Ratio Lower Upper
152 100
115 60.4 29.3 87.9
150 154.2 0.0 339.0

