

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066299.D
 Acq On : 19 Aug 2020 03:08
 Operator : VA/SY
 Sample : L3678-02
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

Quant Time: Aug 19 08:28:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	196709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	309160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	268326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	104150	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	115787	65.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.96%	
35) Dibromofluoromethane	7.91	113	107521	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
50) Toluene-d8	10.34	98	332733	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
62) 4-Bromofluorobenzene	12.63	95	104064	39.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.90%	

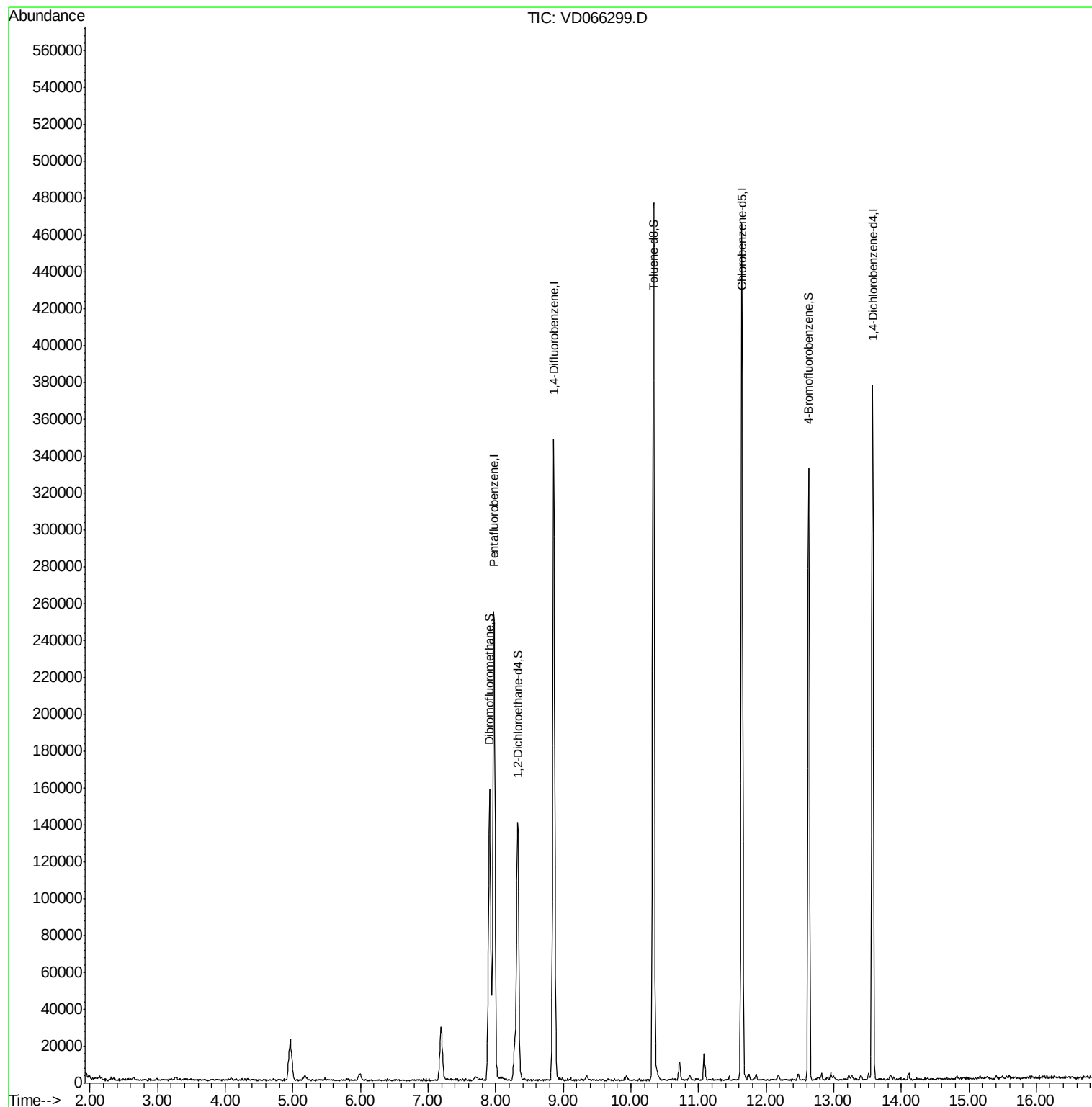
Target Compounds	Qvalue
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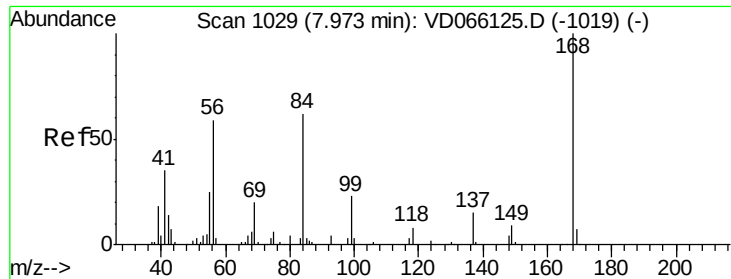
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066299.D

Acq: 19 Aug 2020 03:08

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ClientSampleId :

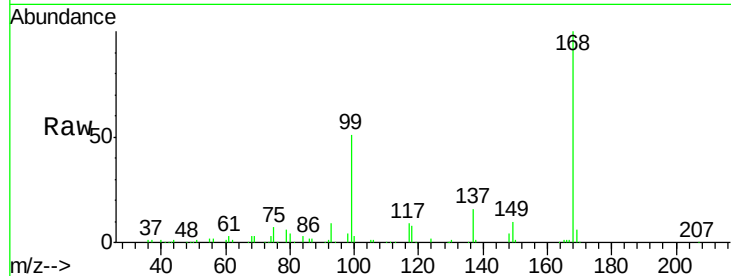
BR-1

Tot Ion:168 Resp: 196709

Ion Ratio Lower Upper

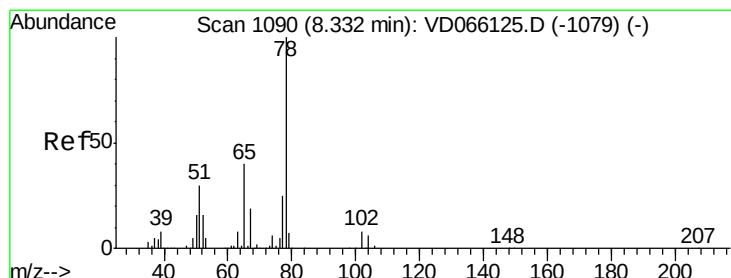
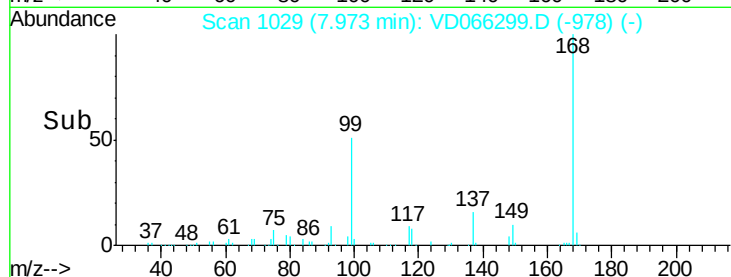
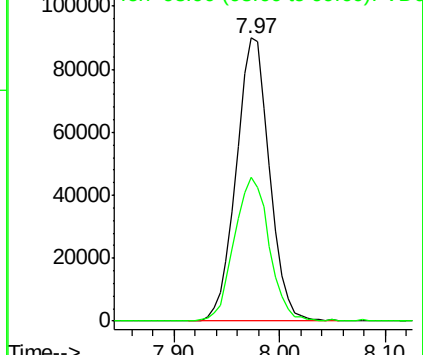
168 100

99 50.9 42.2 63.4



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: 65.978 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066299.D

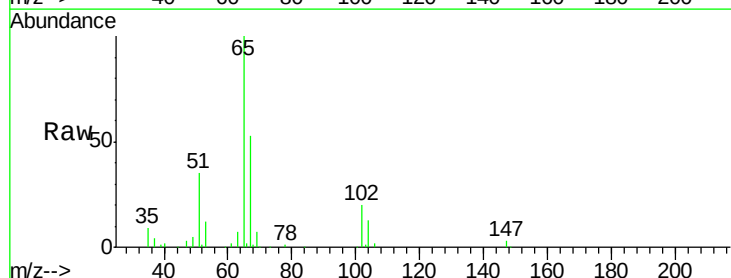
Acq: 19 Aug 2020 03:08

Tgt Ion: 65 Resp: 115787

Ion Ratio Lower Upper

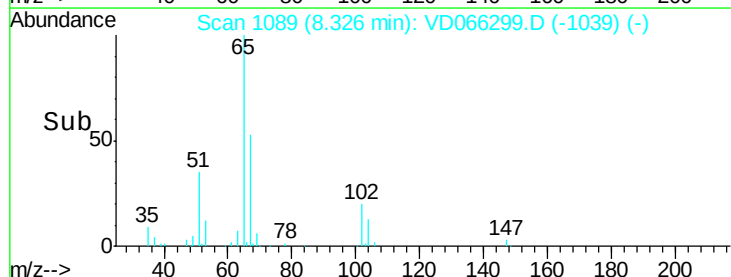
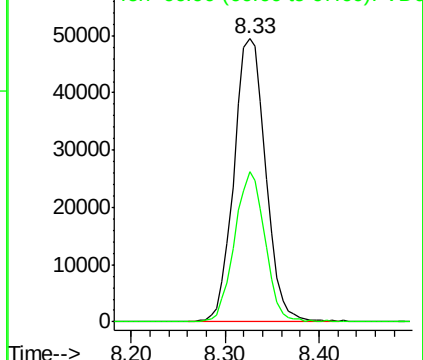
65 100

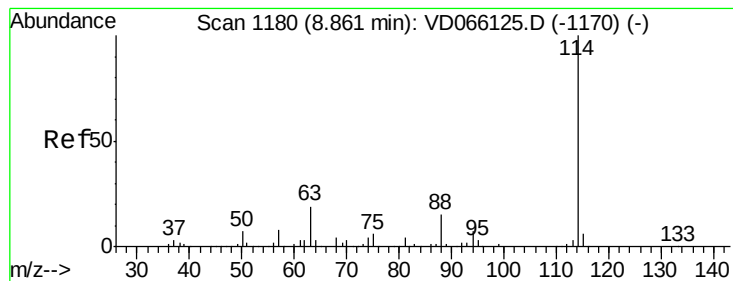
67 50.7 0.0 104.6



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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066299.D

Acq: 19 Aug 2020 03:08

Instrument :

MSVOA_D

ClientSampleId :

BR-1

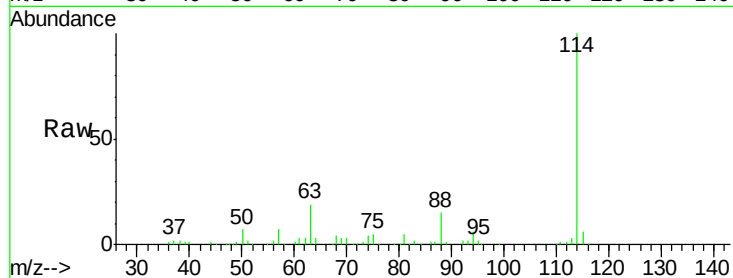
Tot Ion:114 Resp: 309160

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 15.3 0.0 30.0



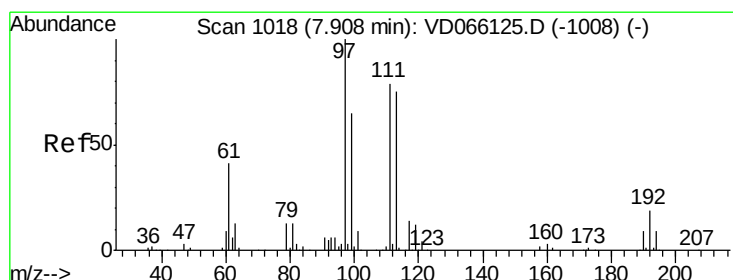
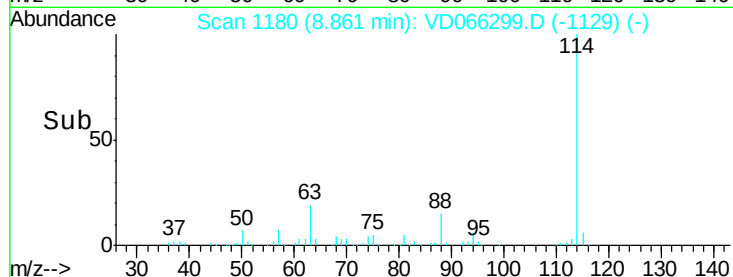
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

8.86

Time-->



#35

Dibromofluoromethane

Concen: 54.900 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066299.D

Acq: 19 Aug 2020 03:08

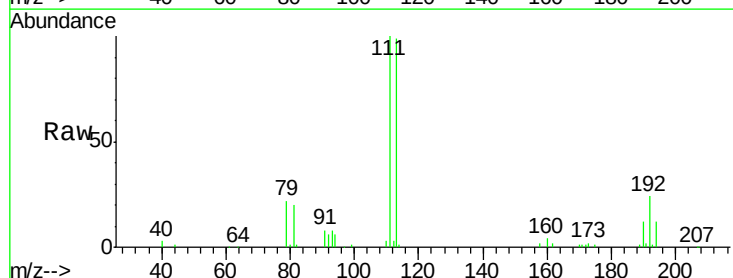
Tgt Ion:113 Resp: 107521

Ion Ratio Lower Upper

113 100

111 102.4 80.7 121.1

192 23.8 18.4 27.6



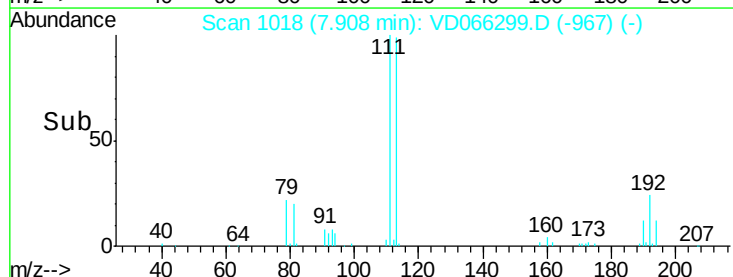
Abundance Ion 112.80 (112.50 to 113.50): V

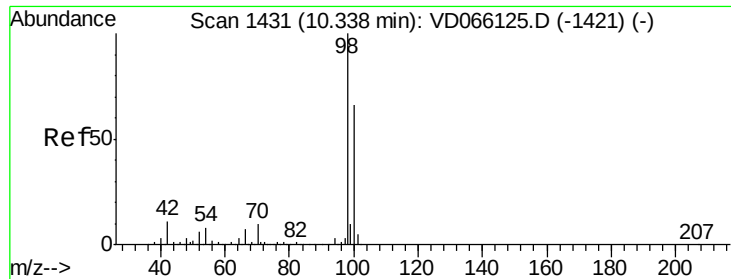
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.91

Time-->

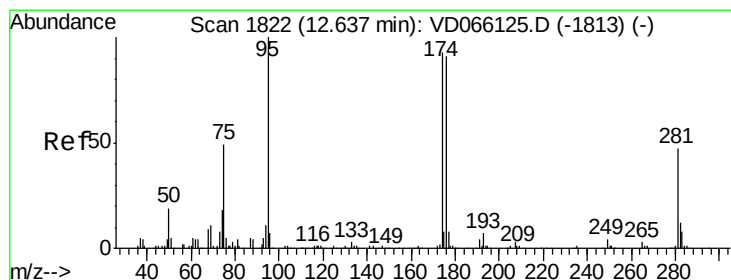
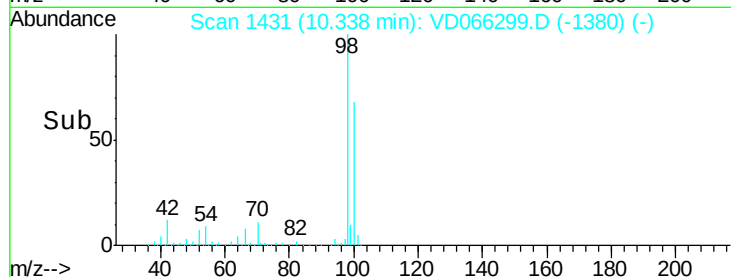
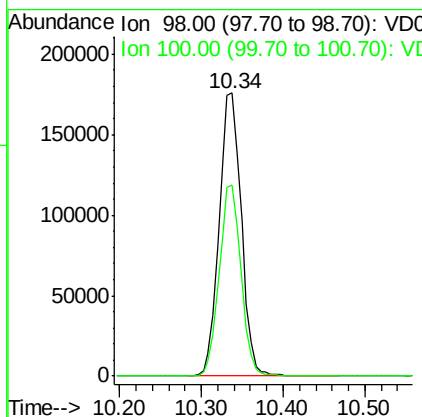
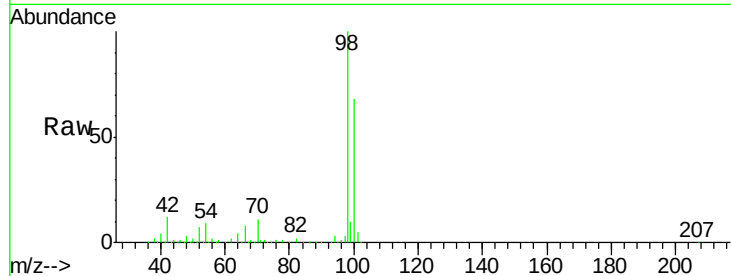




#50
Toluene-d8
Concen: 46.038 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066299.D
Acq: 19 Aug 2020 03:08

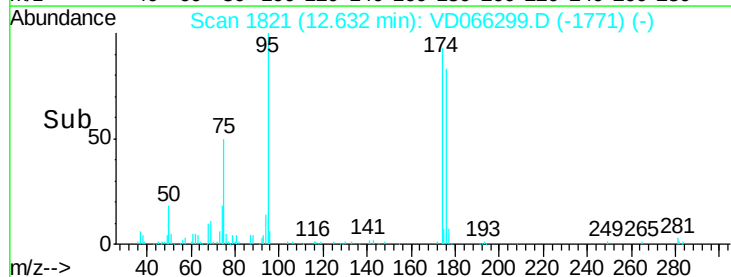
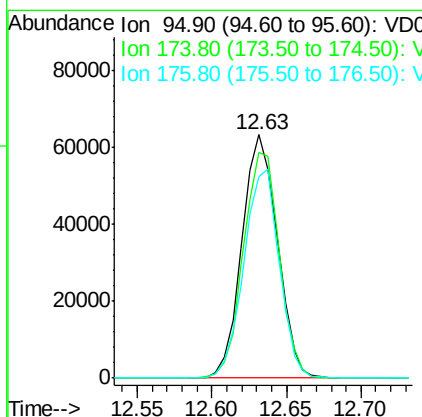
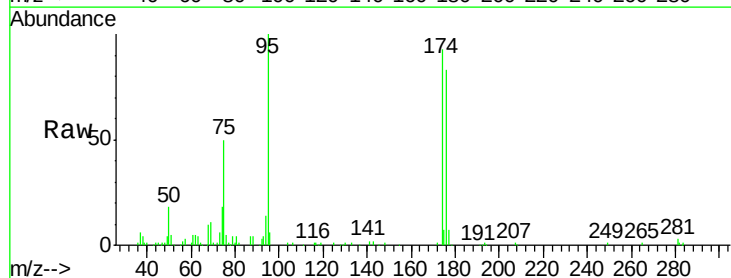
Instrument :
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BR-1

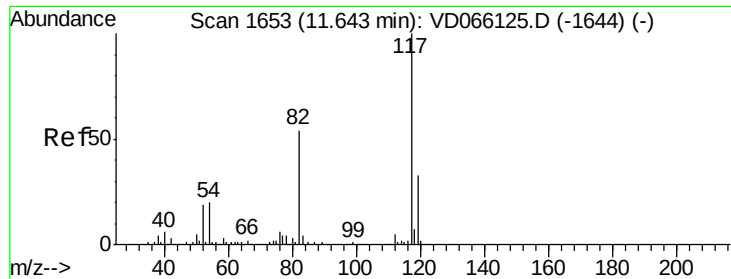
Tot Ion: 98 Resp: 332733
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 39.945 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066299.D
Acq: 19 Aug 2020 03:08

Tgt Ion: 95 Resp: 104064
Ion Ratio Lower Upper
95 100
174 93.5 0.0 180.8
176 85.6 0.0 181.2

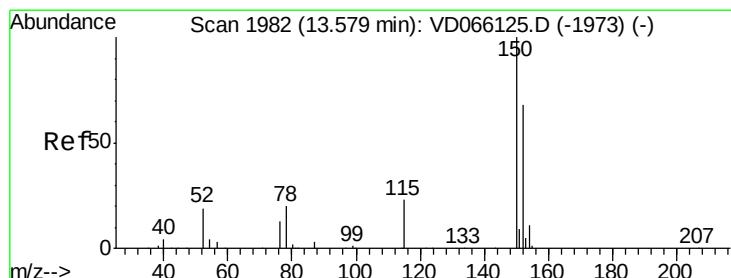
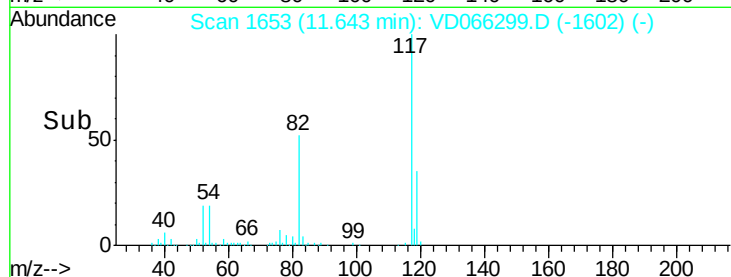
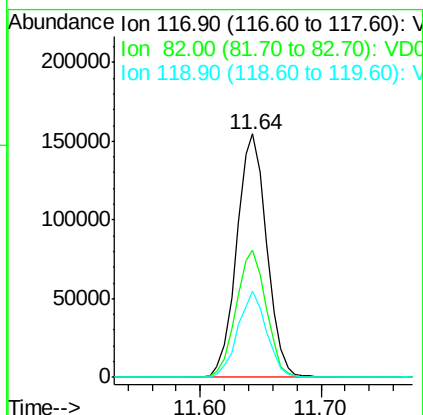
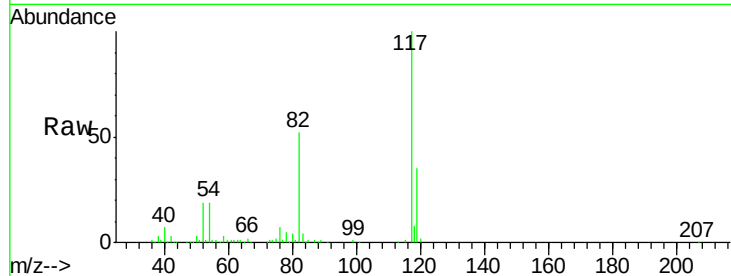




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066299.D
Acq: 19 Aug 2020 03:08

Instrument :
MSVOA_D
ClientSampleId :
BR-1

Tot Ion:117 Resp: 268326
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 35.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066299.D
Acq: 19 Aug 2020 03:08

Tgt Ion:152 Resp: 104150
Ion Ratio Lower Upper
152 100
115 56.2 28.0 83.9
150 159.9 0.0 346.4

