

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064253.D
 Acq On : 16 Nov 2019 05:23
 Operator : VA/SY
 Sample : K5864-03RE
 Misc : 5.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-7.5-8.0RE

Quant Time: Nov 18 02:48:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	77749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	111154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	107567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	56553	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	46371	72.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.04%	
35) Dibromofluoromethane	7.92	113	37244	58.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.74%	
50) Toluene-d8	10.34	98	131996	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
62) 4-Bromofluorobenzene	12.64	95	48986	58.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.54%	

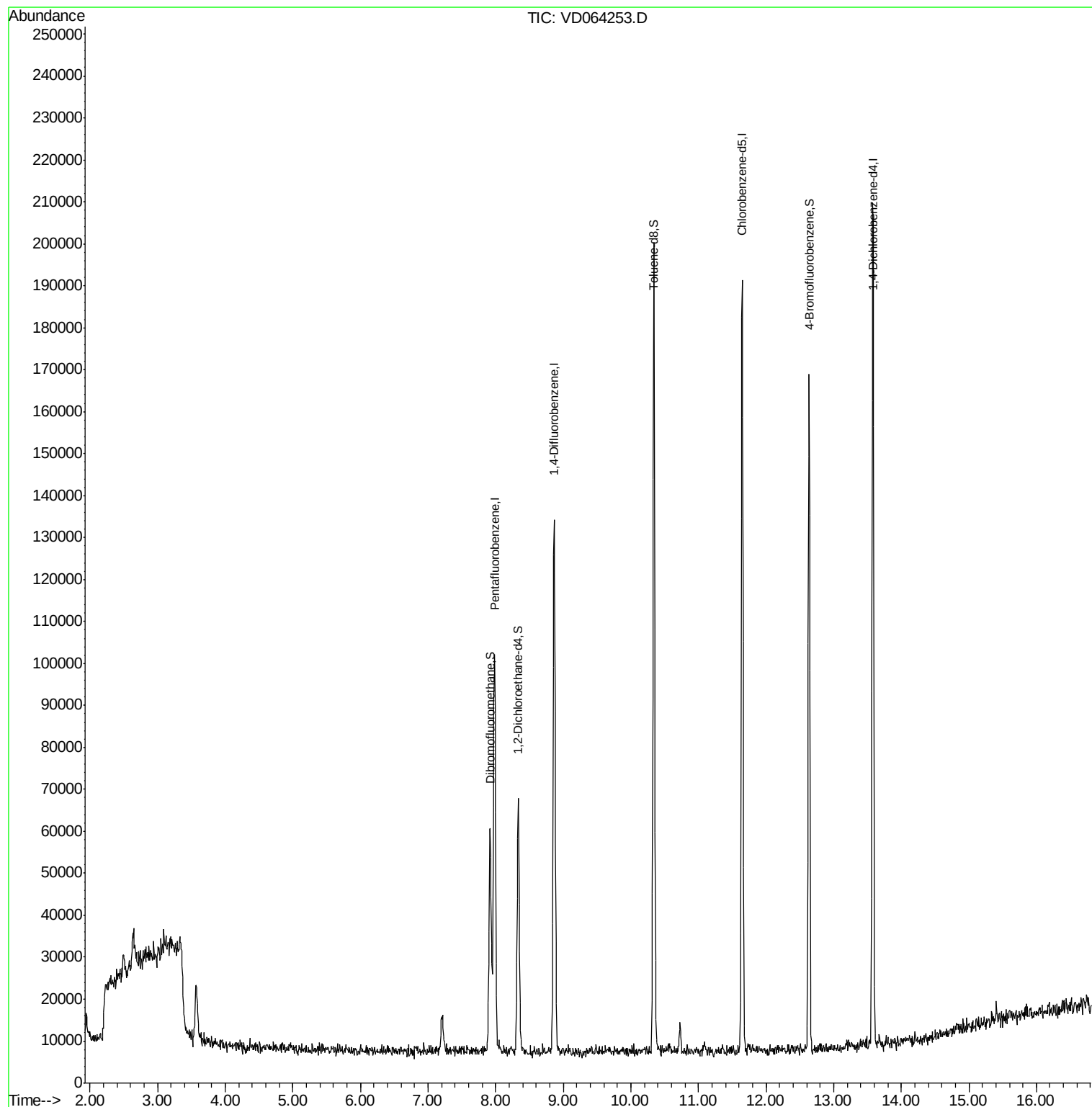
Target Compounds	Qvalue

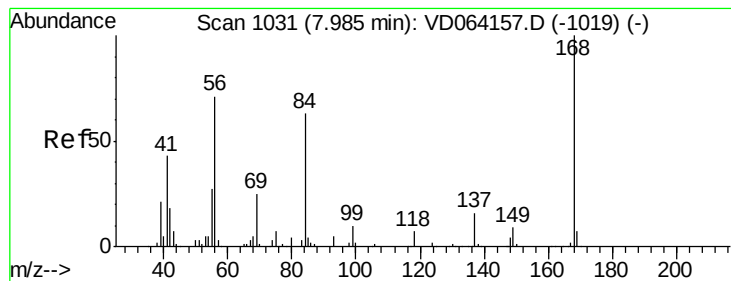
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064253.D

Acq: 16 Nov 2019 05:23

Instrument :

MSVOA_D

ClientSampleId :

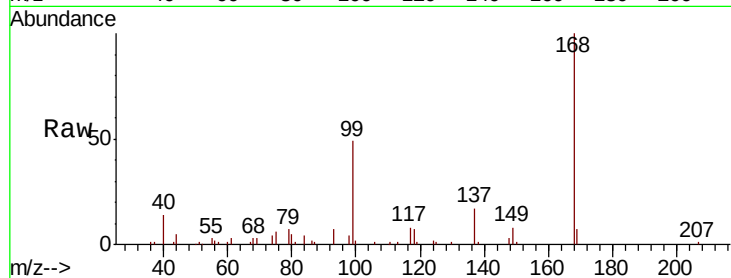
SB-02-7.5-8.0RE

Tot Ion:168 Resp: 77749

Ion Ratio Lower Upper

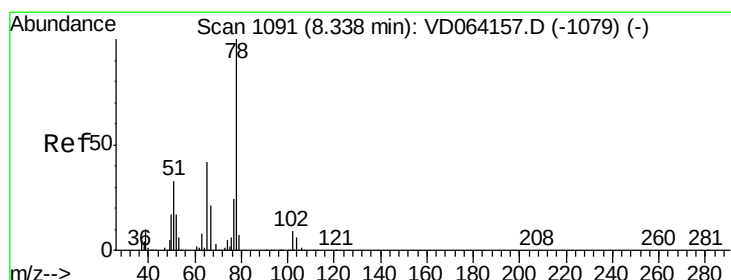
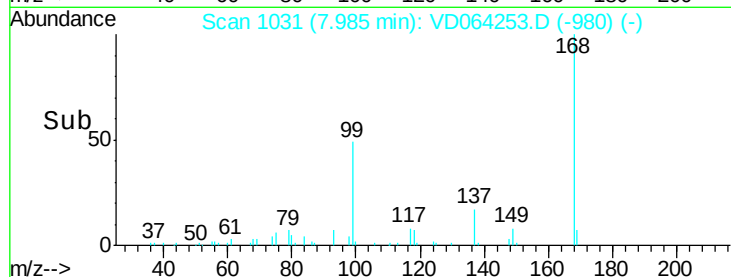
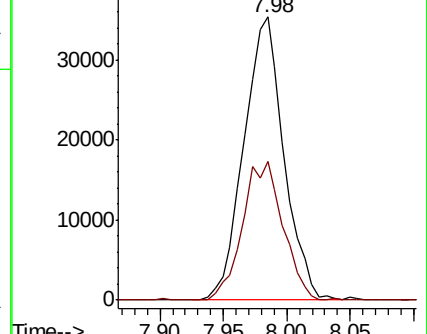
168 100

99 49.2 41.6 62.4



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: 72.518 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064253.D

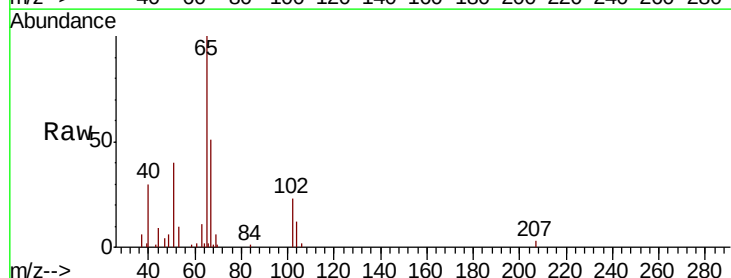
Acq: 16 Nov 2019 05:23

Tgt Ion: 65 Resp: 46371

Ion Ratio Lower Upper

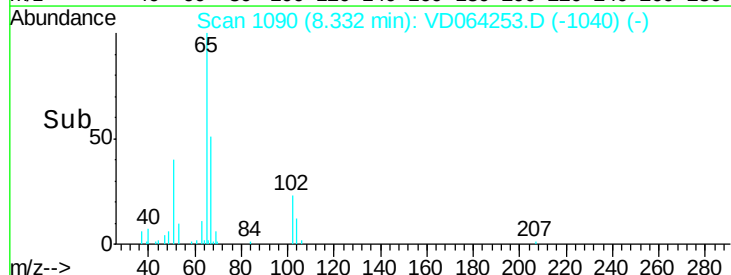
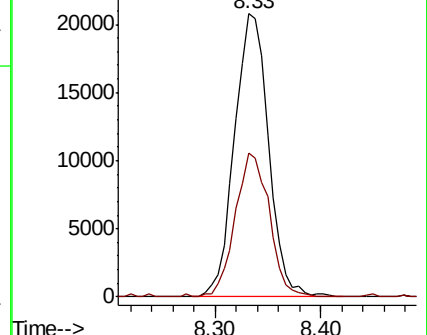
65 100

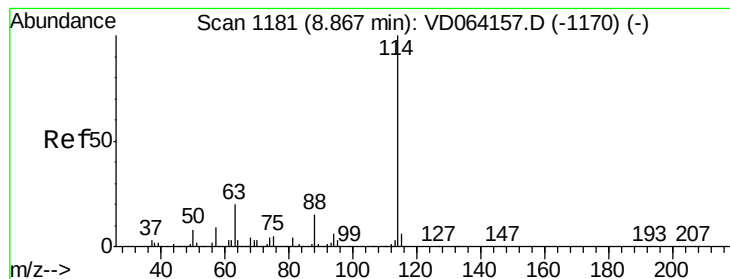
67 51.0 0.0 104.4



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: VD064253.D

Acq: 16 Nov 2019 05:23

Instrument :

MSVOA_D

ClientSampleId :

SB-02-7.5-8.0RE

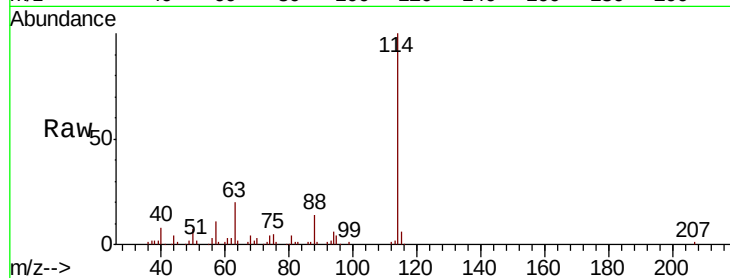
Tot Ion:114 Resp: 111154

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

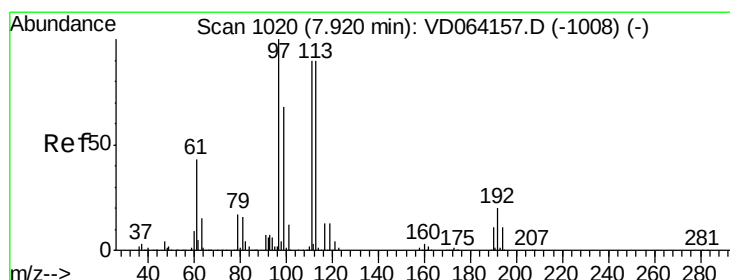
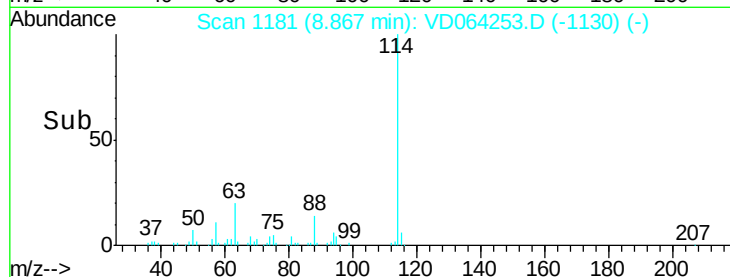
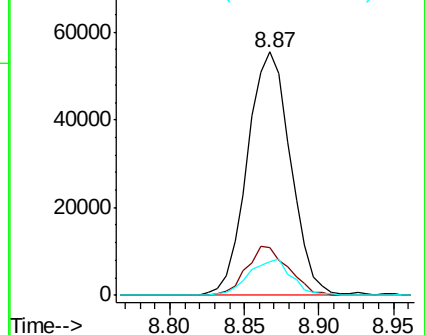
88 13.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 58.372 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064253.D

Acq: 16 Nov 2019 05:23

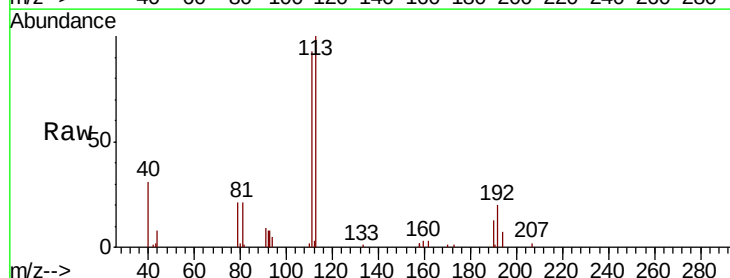
Tgt Ion:113 Resp: 37244

Ion Ratio Lower Upper

113 100

111 101.1 81.5 122.3

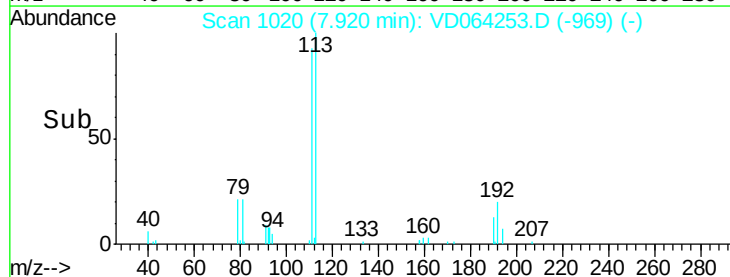
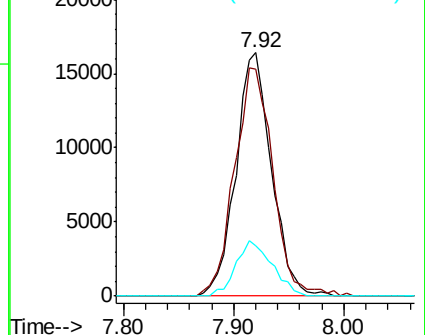
192 23.1 18.8 28.2

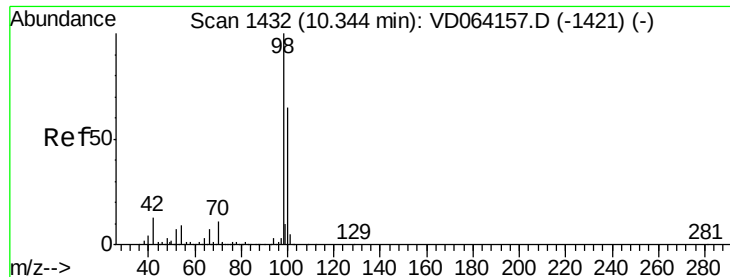


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

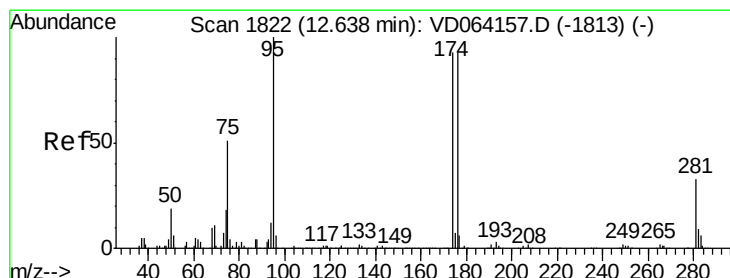
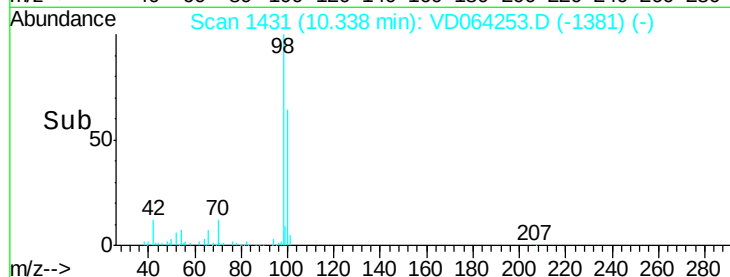
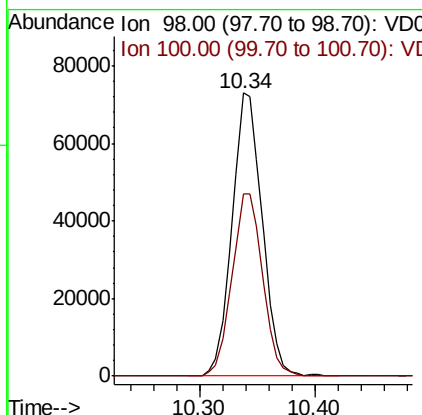
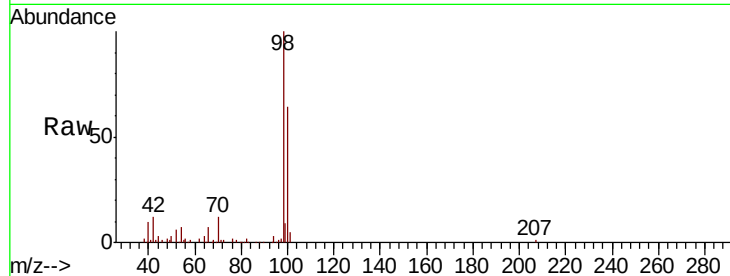




#50
Toluene-d8
Concen: 54.839 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064253.D
Acq: 16 Nov 2019 05:23

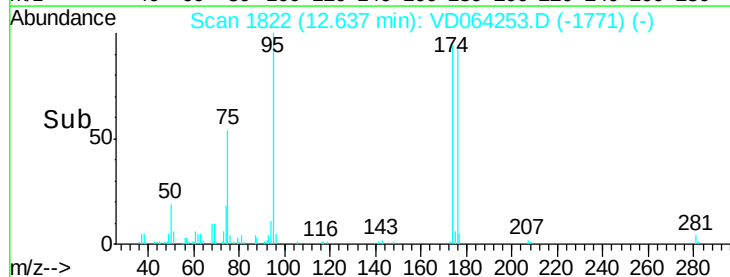
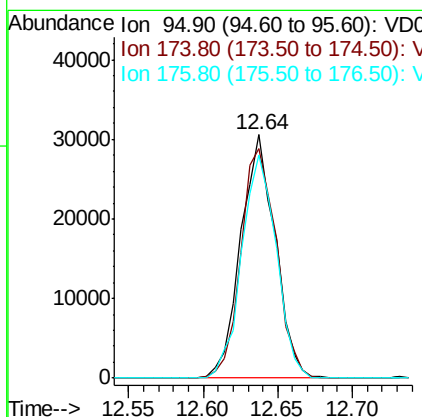
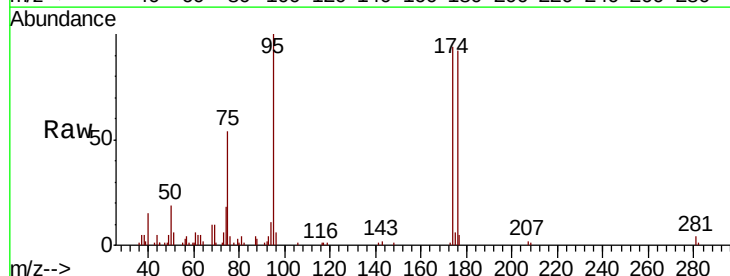
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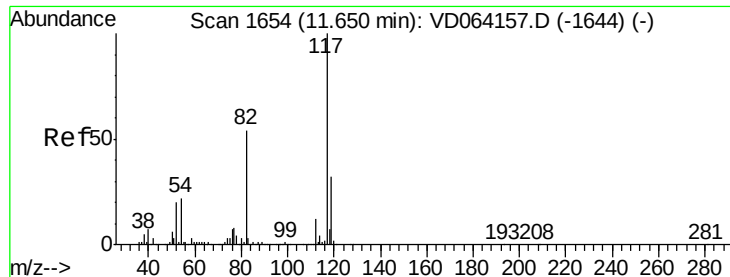
Tot Ion: 98 Resp: 131996
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 58.768 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064253.D
Acq: 16 Nov 2019 05:23

Tgt Ion: 95 Resp: 48986
Ion Ratio Lower Upper
95 100
174 96.5 0.0 183.6
176 91.5 0.0 180.2

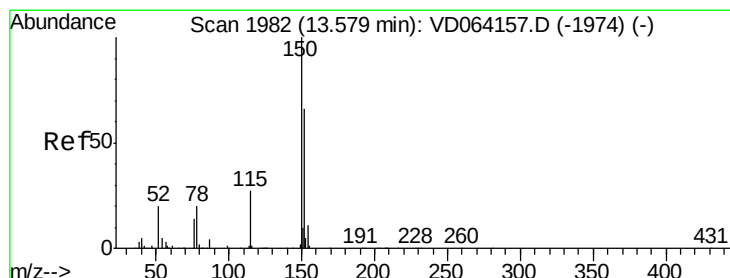
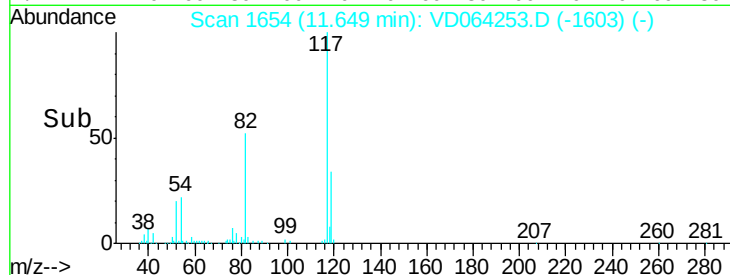
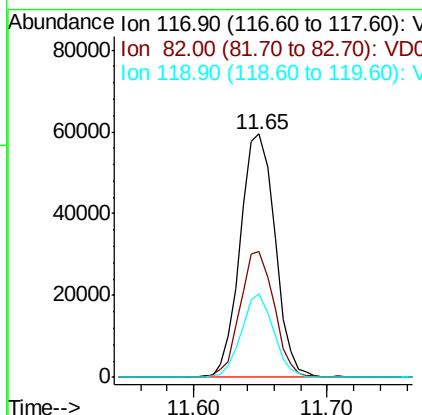
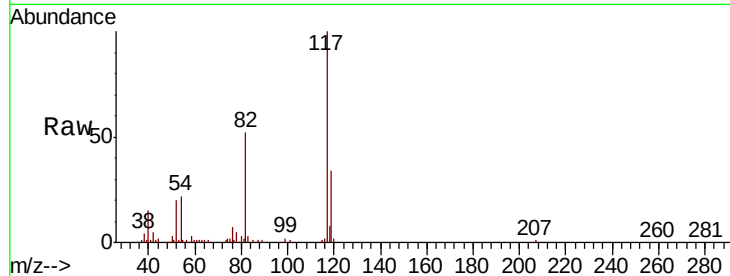




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064253.D
Acq: 16 Nov 2019 05:23

Instrument :
MSVOA_D
ClientSampleId :
SB-02-7.5-8.0RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.8	64.2
119	34.1	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064253.D
Acq: 16 Nov 2019 05:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.4	82.2
150	161.1	0.0	351.6

