

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064073.D
 Acq On : 25 Oct 2019 18:55
 Operator : VA/SY
 Sample : K5541-12
 Misc : 10.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 17-20-(2.5)

Quant Time: Oct 26 00:53:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	143762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	251583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	260197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	121790	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	74173	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
35) Dibromofluoromethane	7.93	113	76641	49.85	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	10.34	98	333573	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.64	95	100822	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

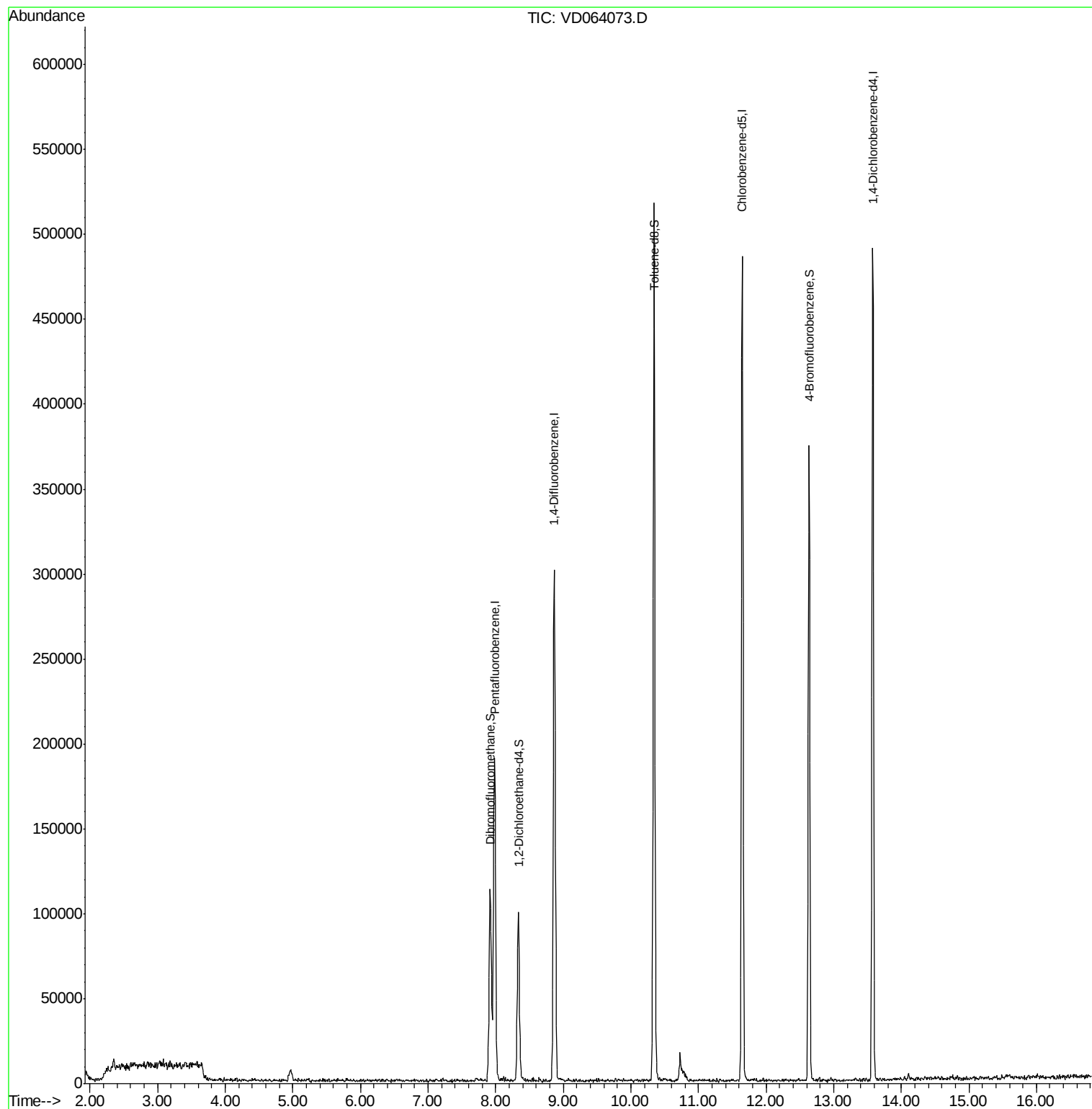
Target Compounds	Qvalue
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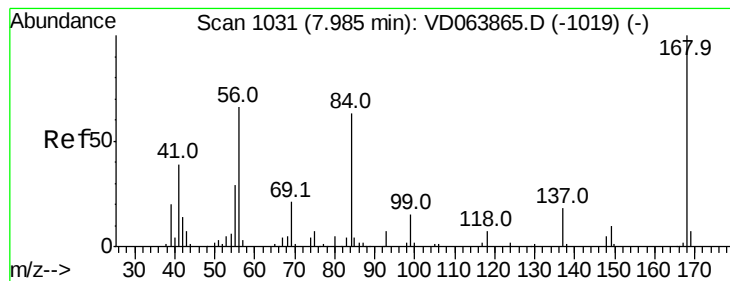
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064073.D

Acq: 25 Oct 2019 18:55

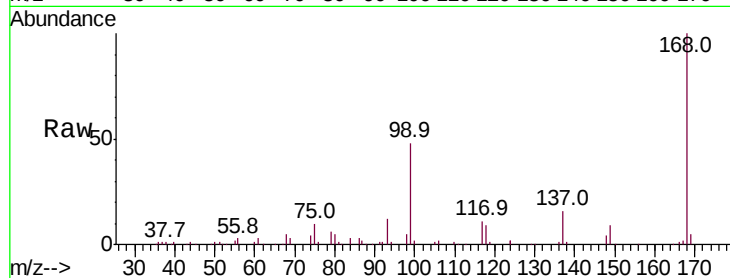
Instrument :
MSVOA_D
ClientSampleId :
17-20-(2.5)

Tot Ion:168 Resp: 143762

Ion Ratio Lower Upper

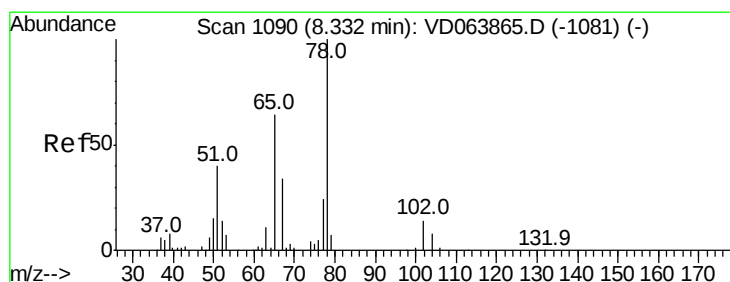
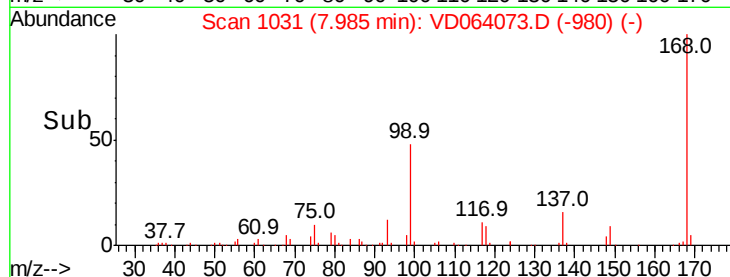
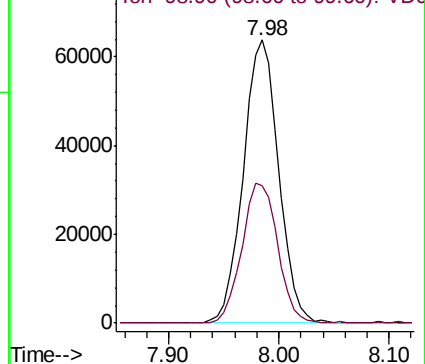
168 100

99 48.5 43.0 64.4



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: 52.995 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064073.D

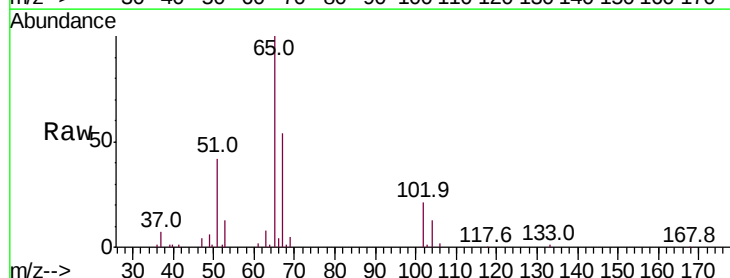
Acq: 25 Oct 2019 18:55

Tgt Ion: 65 Resp: 74173

Ion Ratio Lower Upper

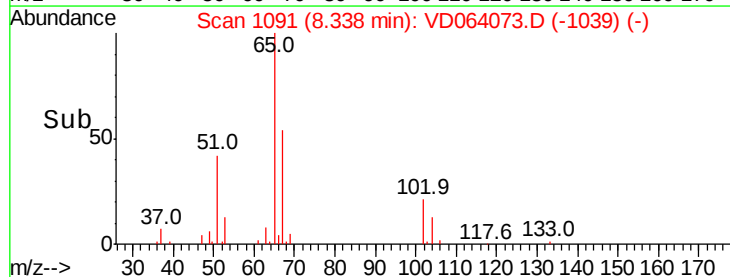
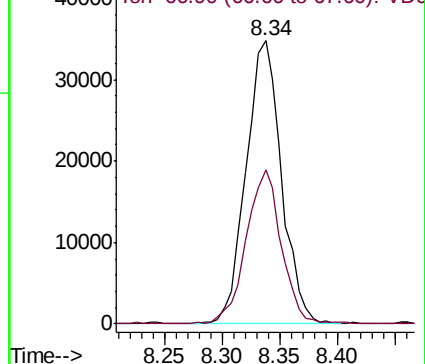
65 100

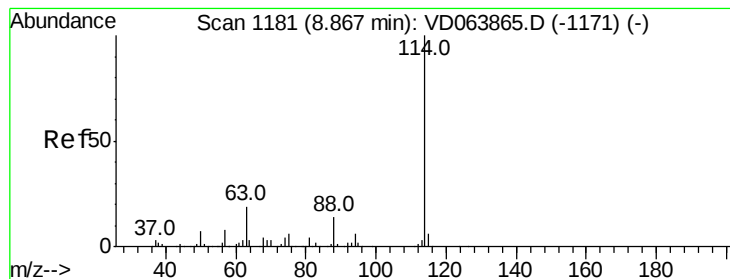
67 54.0 0.0 106.4



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: VD064073.D

Acq: 25 Oct 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

17-20-(2.5)

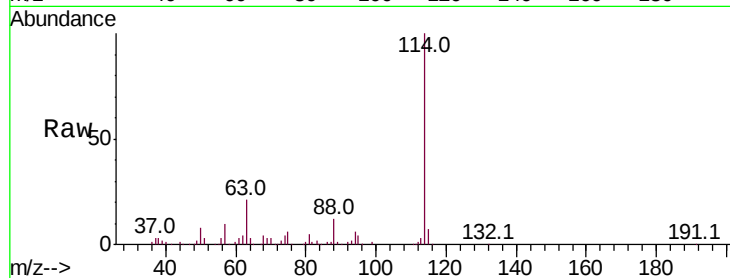
Tot Ion:114 Resp: 251583

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.4

88 12.2 0.0 27.4



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

150000

100000

50000

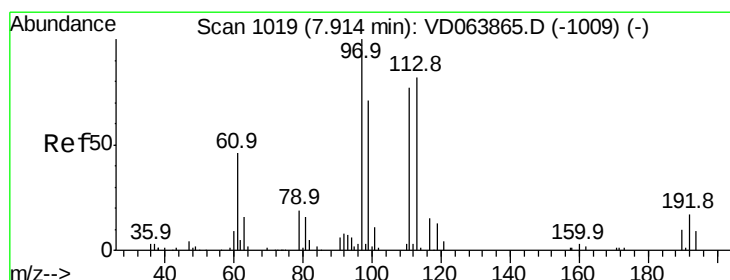
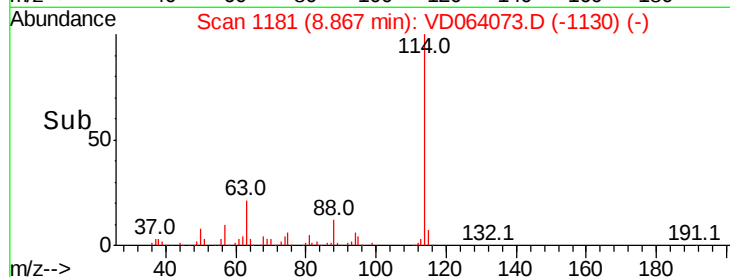
0

8.87

8.80

8.90

Time-->



#35

Dibromofluoromethane

Concen: 49.848 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD064073.D

Acq: 25 Oct 2019 18:55

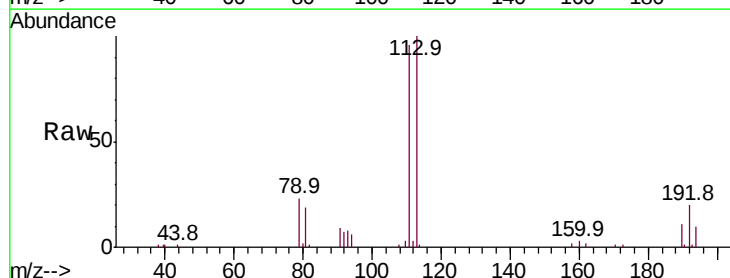
Tgt Ion:113 Resp: 76641

Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

192 21.0 17.1 25.7



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

40000

30000

20000

10000

0

7.93

7.80

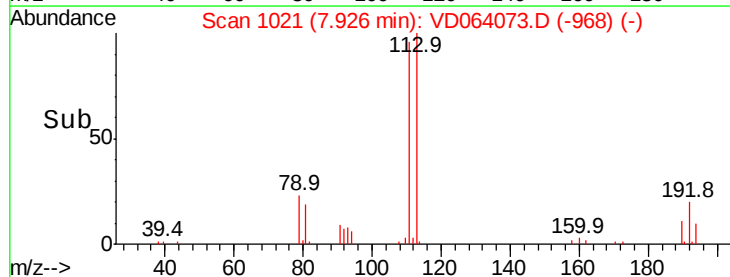
7.85

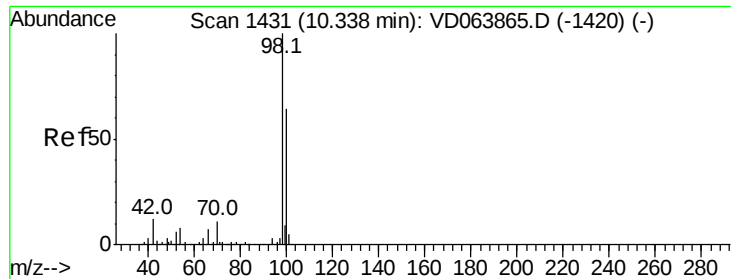
7.90

7.95

8.00

Time-->





#50

Toluene-d8

Concen: 53.453 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064073.D

Acq: 25 Oct 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

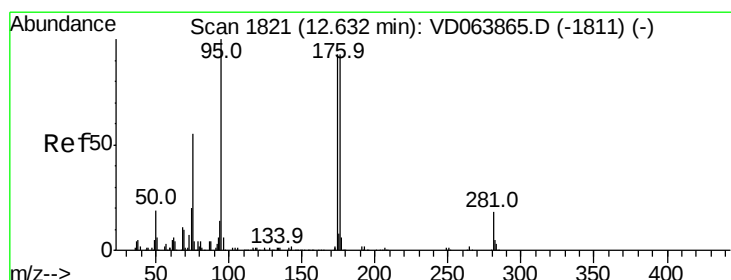
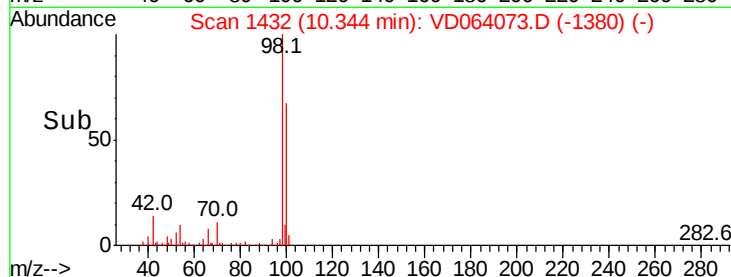
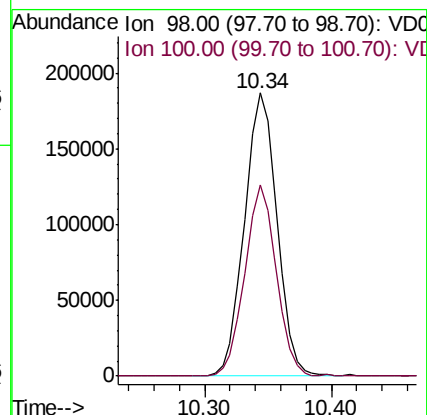
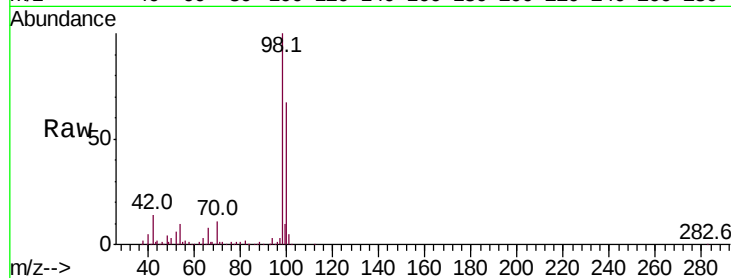
17-20-(2.5)

Tot Ion: 98 Resp: 333573

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.493 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064073.D

Acq: 25 Oct 2019 18:55

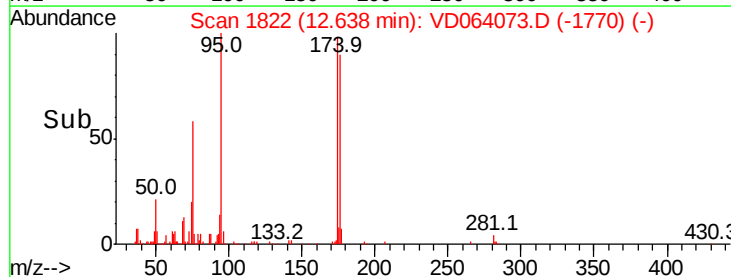
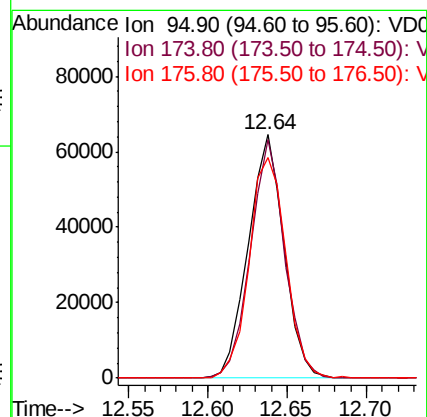
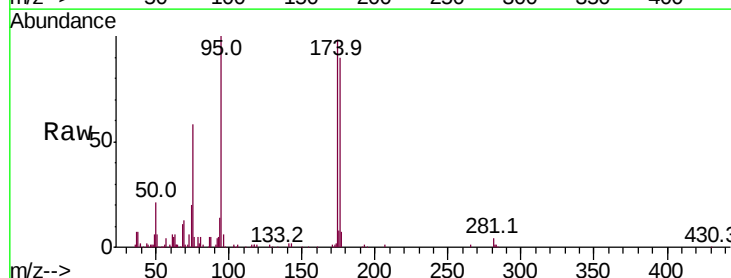
Tgt Ion: 95 Resp: 100822

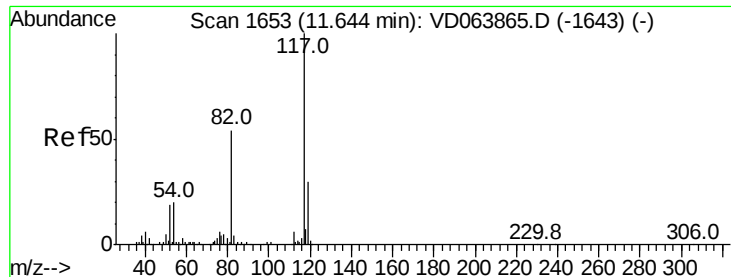
Ion Ratio Lower Upper

95 100

174 93.8 0.0 186.4

176 93.4 0.0 184.2

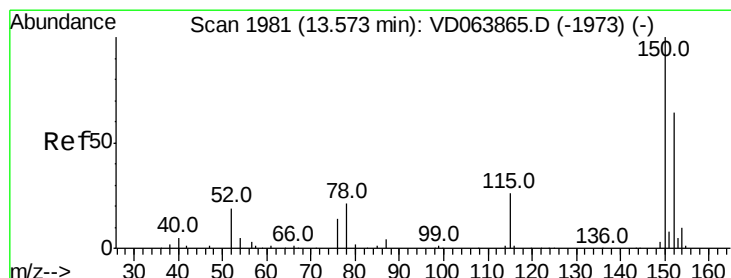
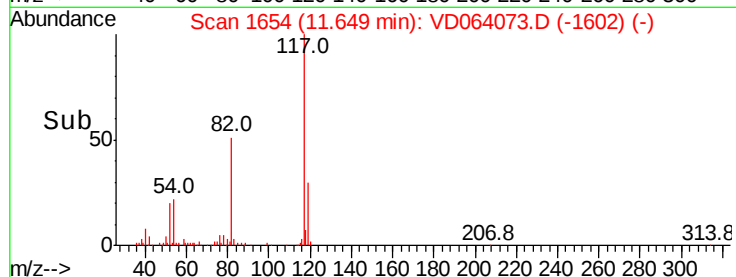
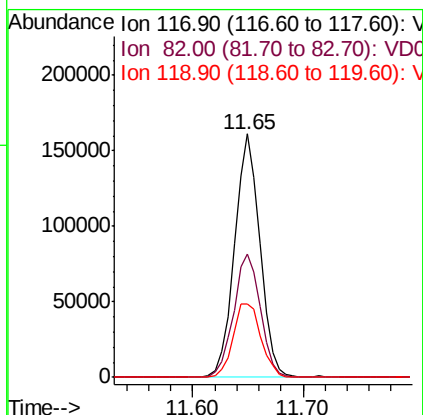
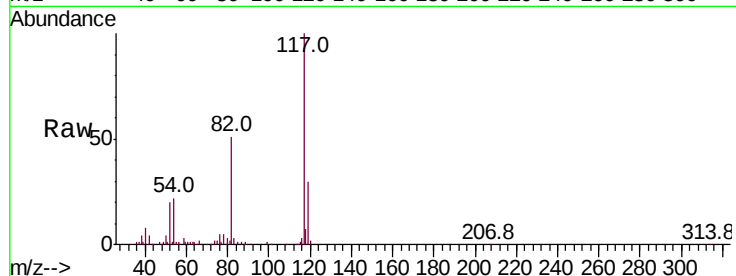




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064073.D
Acq: 25 Oct 2019 18:55

Instrument :
MSVOA_D
ClientSampleId :
17-20-(2.5)

Tot Ion:117 Resp: 260197
Ion Ratio Lower Upper
117 100
82 50.8 42.8 64.2
119 30.2 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064073.D
Acq: 25 Oct 2019 18:55

Tgt Ion:152 Resp: 121790
Ion Ratio Lower Upper
152 100
115 56.0 25.9 77.7
150 160.4 0.0 344.2

