

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064074.D
 Acq On : 25 Oct 2019 19:23
 Operator : VA/SY
 Sample : K5541-14
 Misc : 4.71G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 15-70-(2)

Quant Time: Oct 26 00:54:43 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	144084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	253100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	266607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	121997	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	74453	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
35) Dibromofluoromethane	7.92	113	77486	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.34	98	339210	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
62) 4-Bromofluorobenzene	12.64	95	97444	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	

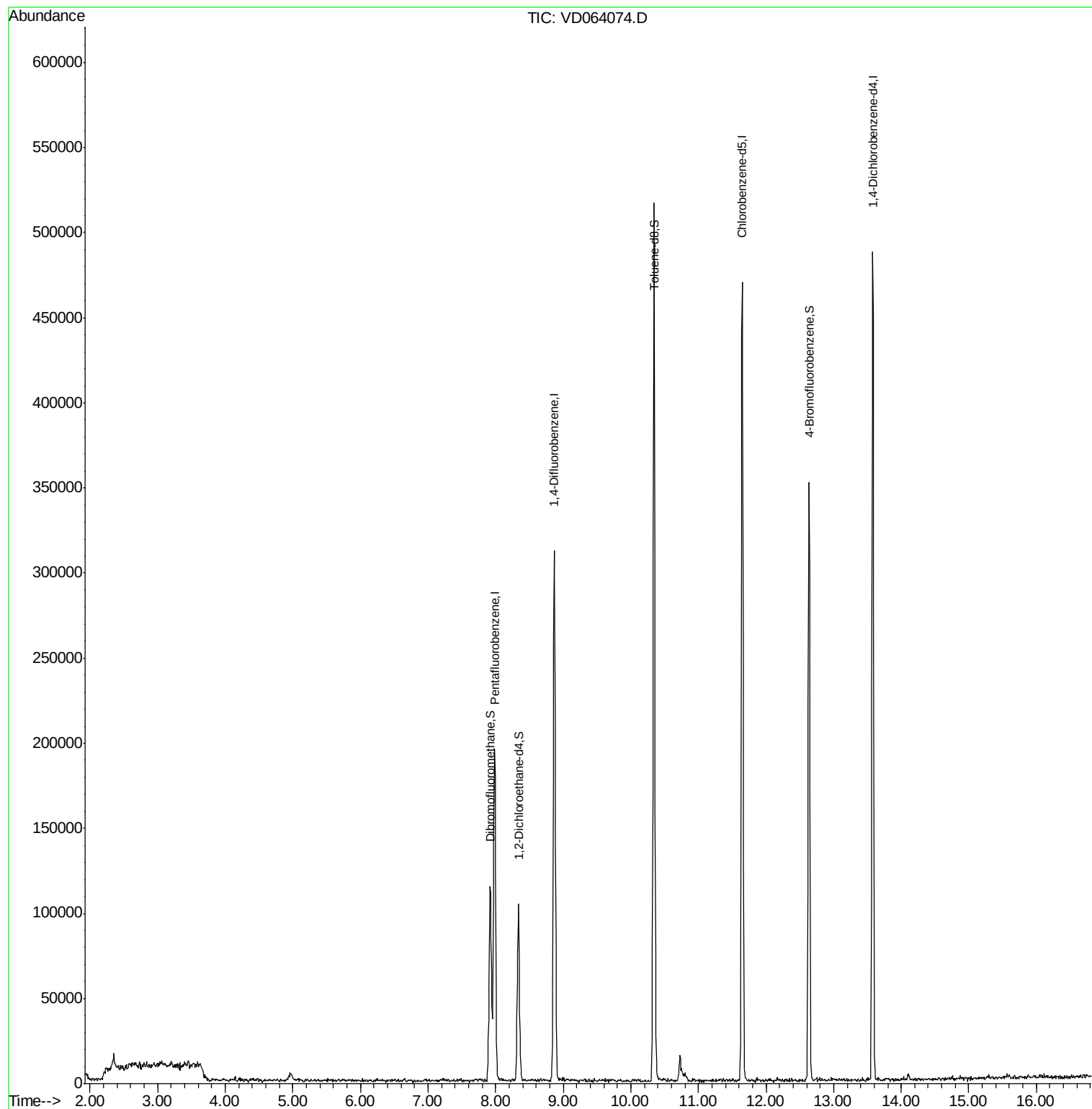
Target Compounds	Qvalue

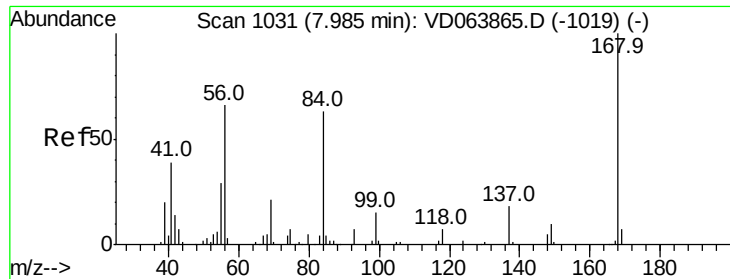
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

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Instrument :

MSVOA_D

ClientSampleId :

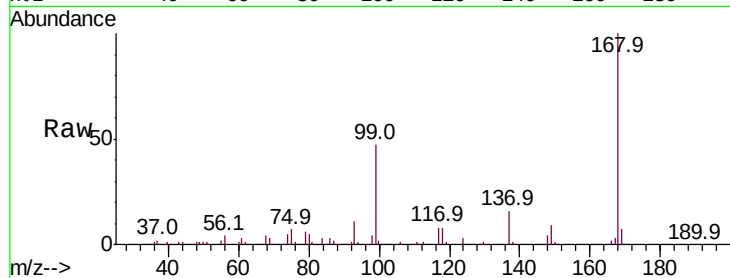
15-70-(2)

Tot Ion:168 Resp: 144084

Ion Ratio Lower Upper

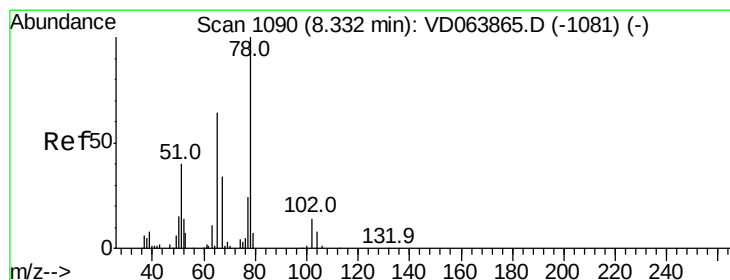
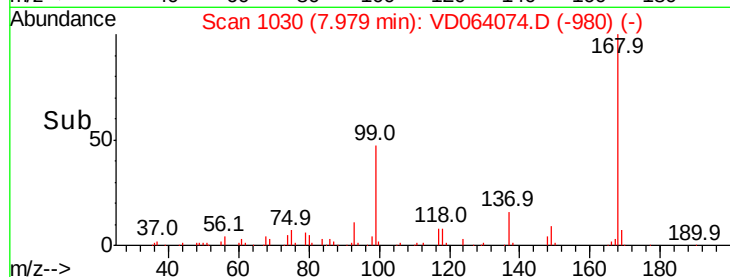
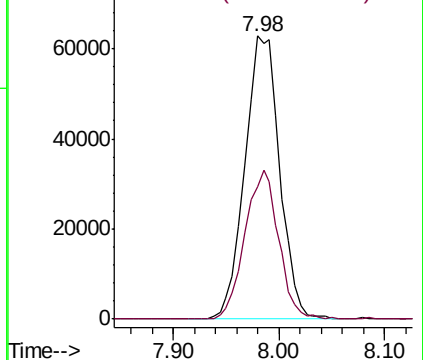
168 100

99 46.8 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: 53.076 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064074.D

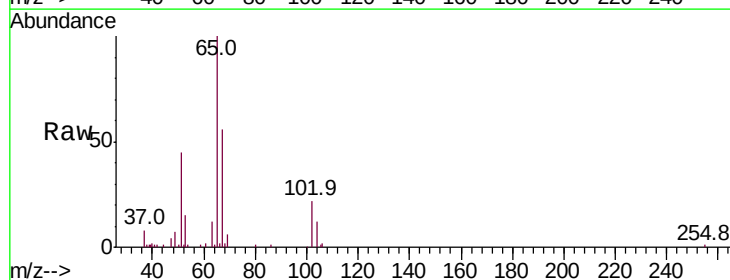
Acq: 25 Oct 2019 19:23

Tgt Ion: 65 Resp: 74453

Ion Ratio Lower Upper

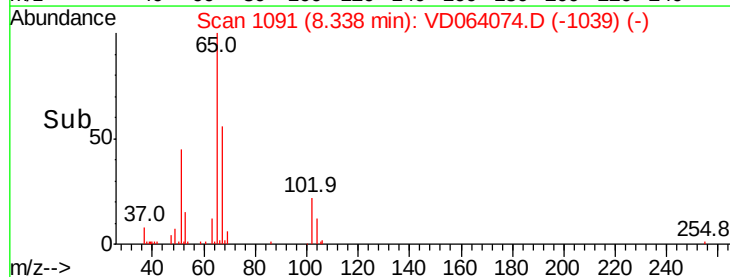
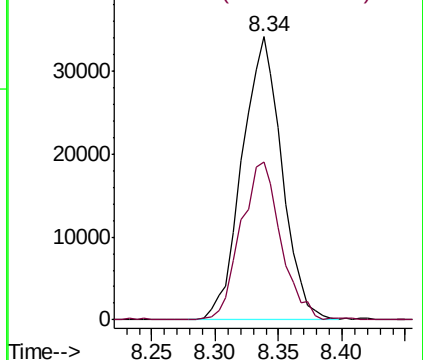
65 100

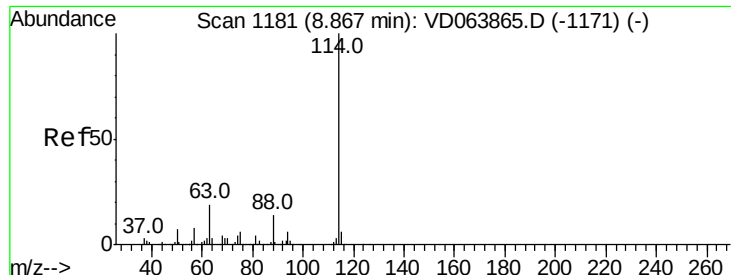
67 55.9 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

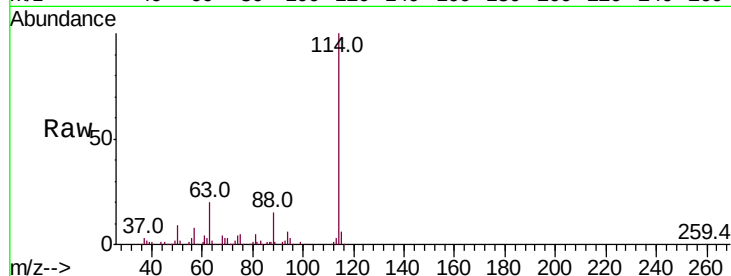




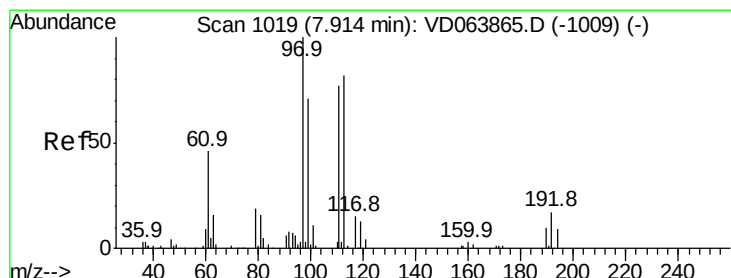
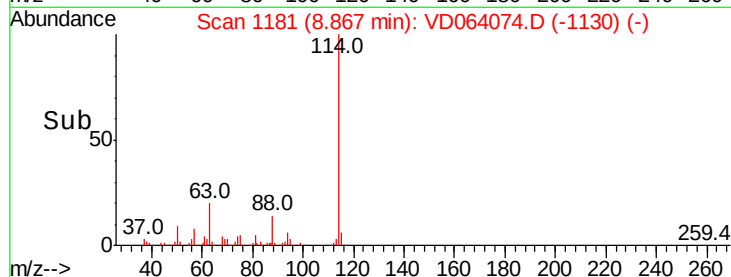
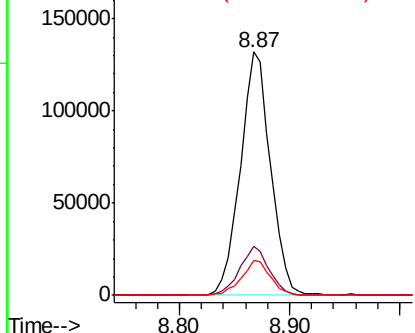
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064074.D
Acq: 25 Oct 2019 19:23

Instrument :
MSVOA_D
ClientSampleId :
15-70-(2)

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	38.4
88	14.6	0.0	27.4

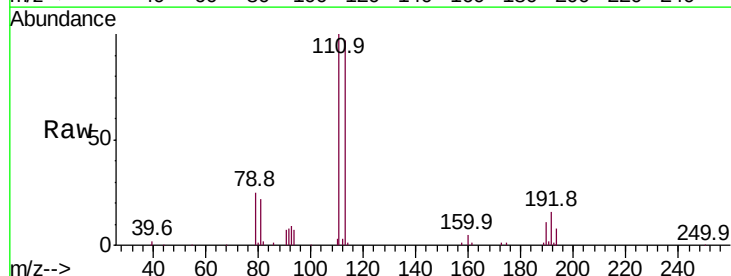


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VDC
Ion 87.90 (87.60 to 88.60): VDC

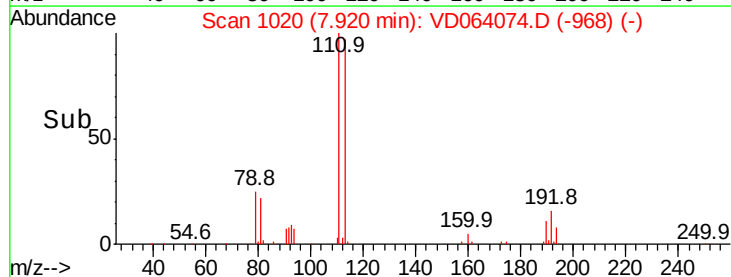
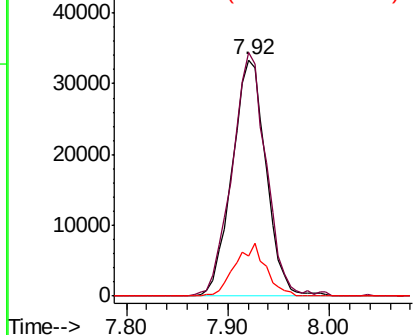


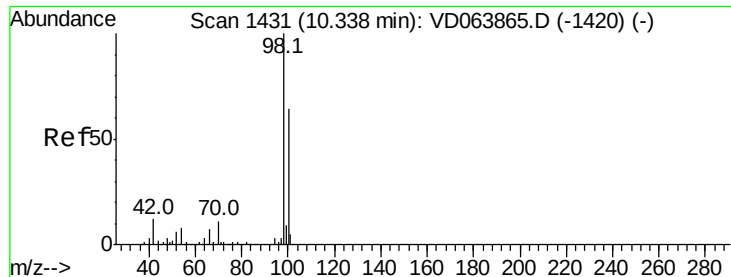
#35
Dibromofluoromethane
Concen: 50.095 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD064074.D
Acq: 25 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	20.4	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





#50

Toluene-d8

Concen: 54.031 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064074.D

Acq: 25 Oct 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

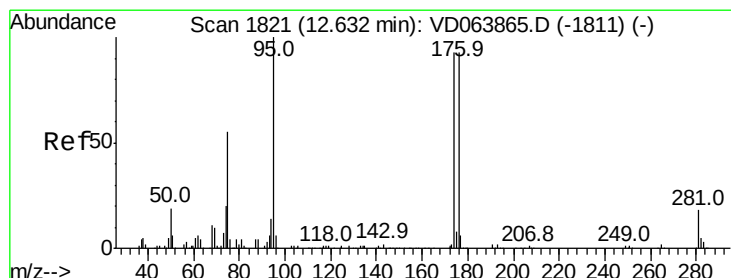
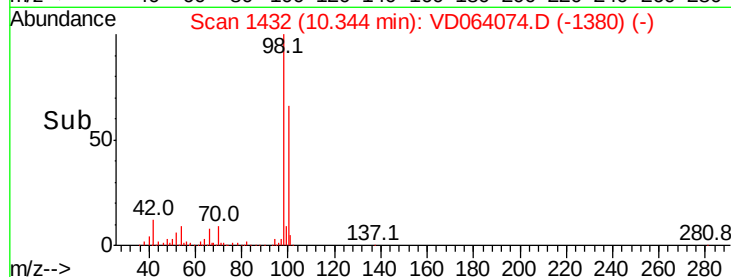
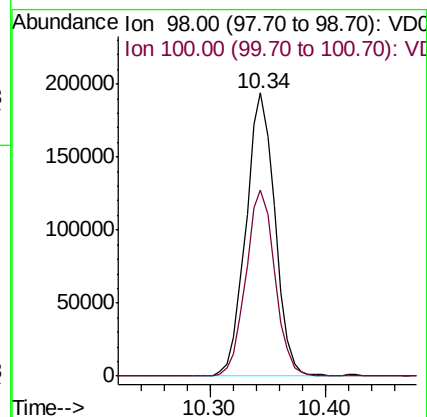
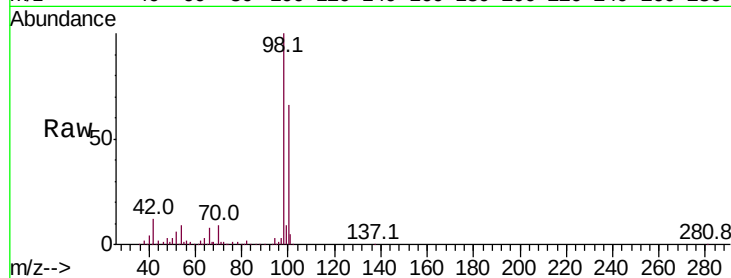
15-70-(2)

Tot Ion: 98 Resp: 339210

Ion Ratio Lower Upper

98 100

100 65.5 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 44.665 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064074.D

Acq: 25 Oct 2019 19:23

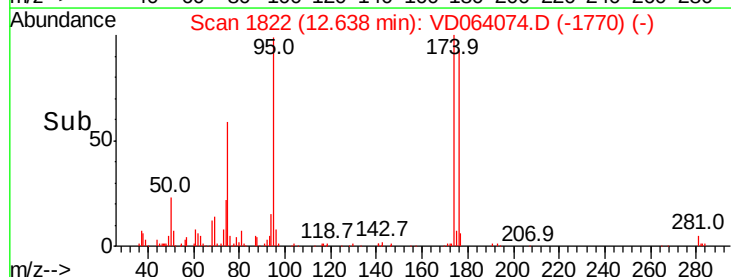
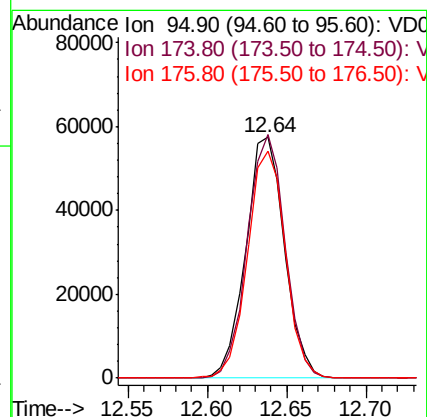
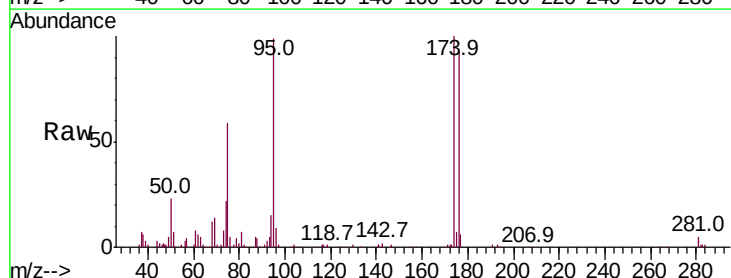
Tgt Ion: 95 Resp: 97444

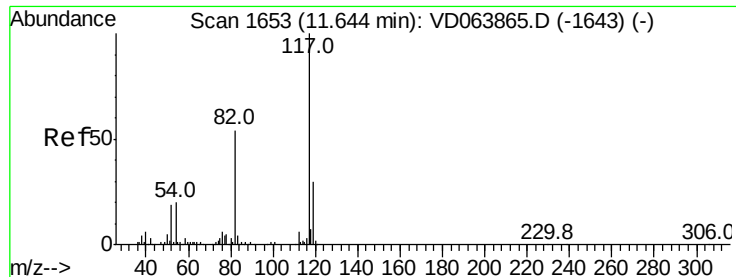
Ion Ratio Lower Upper

95 100

174 98.3 0.0 186.4

176 92.1 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: VD064074.D

Acq: 25 Oct 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

15-70-(2)

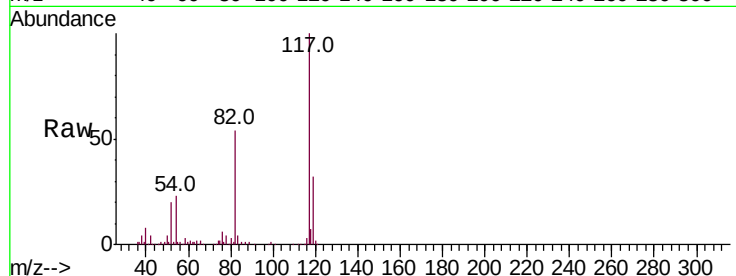
Tot Ion:117 Resp: 266607

Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

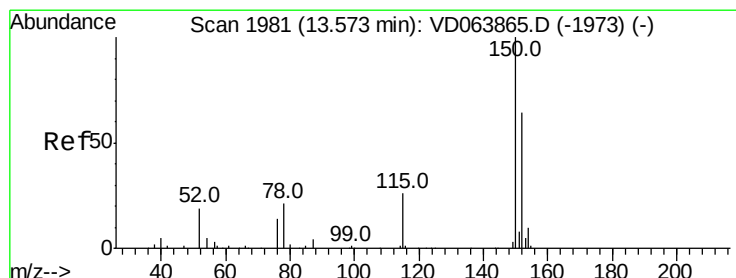
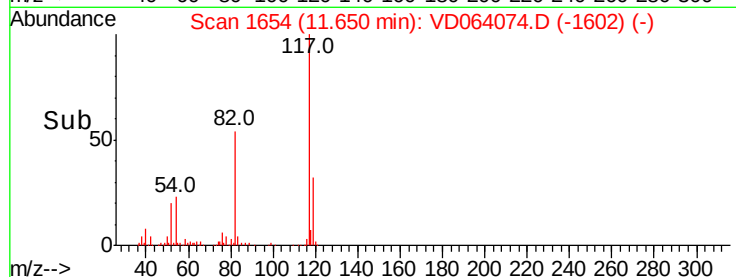
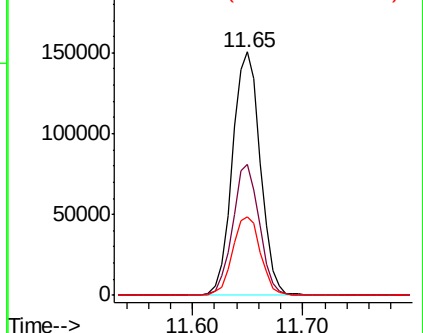
119 32.1 24.4 36.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064074.D

Acq: 25 Oct 2019 19:23

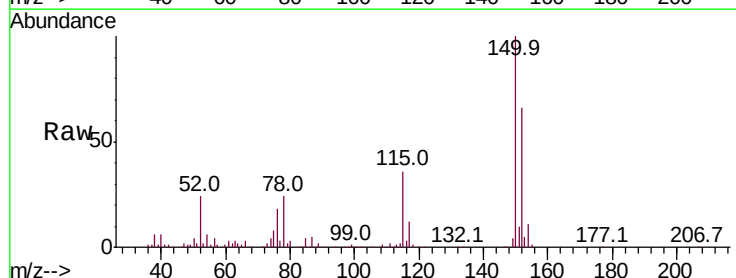
Tgt Ion:152 Resp: 121997

Ion Ratio Lower Upper

152 100

115 53.1 25.9 77.7

150 155.0 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

