

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062037.D
 Acq On : 25 Apr 2019 14:24
 Operator : VA/AP
 Sample : K2518-02RE
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MUDDY-BAGSRE

Quant Time: Apr 25 15:34:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	67059	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	124886	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	100580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	37160	50.00	ug/l	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		7.45	65	50917	97.01	ug/l	-0.01
Spiked Amount	50.000			Recovery	=	194.02%	
35) Dibromofluoromethane		6.92	113	55627	64.40	ug/l	-0.01
Spiked Amount	50.000			Recovery	=	128.80%	
50) Toluene-d8		10.41	98	109503	53.28	ug/l	-0.01
Spiked Amount	50.000			Recovery	=	106.56%	
62) 4-Bromofluorobenzene		13.55	95	38228	46.38	ug/l	-0.01
Spiked Amount	50.000			Recovery	=	92.76%	

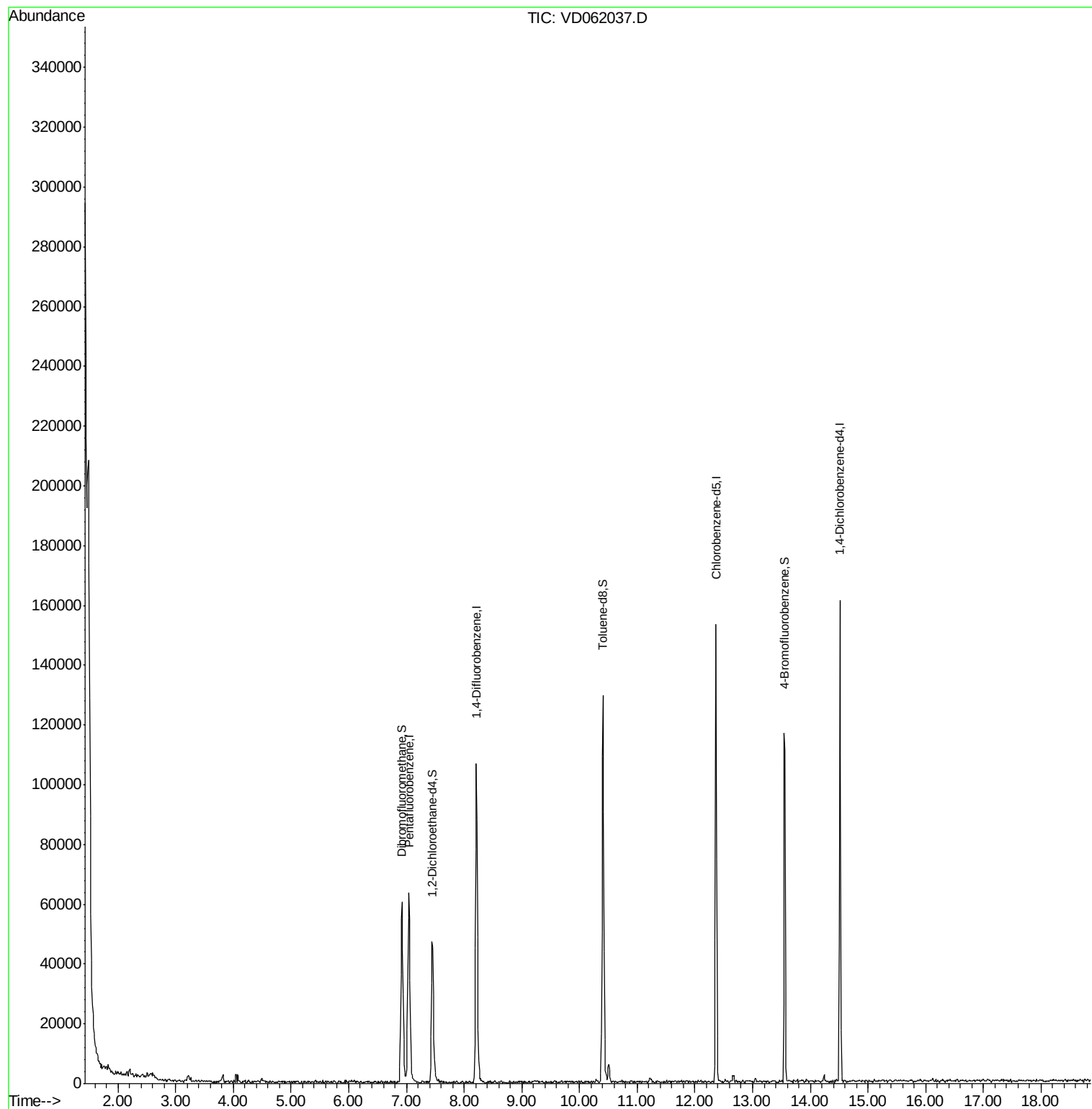
Target Compounds	Qvalue

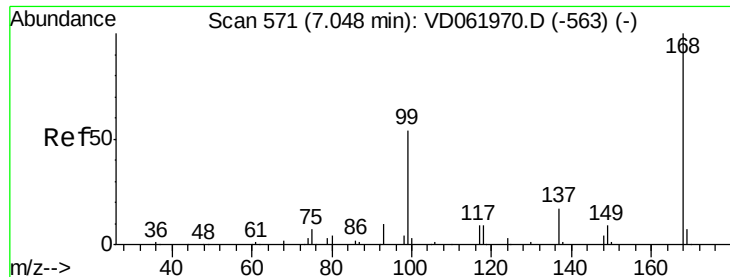
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062037.D

Acq: 25 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

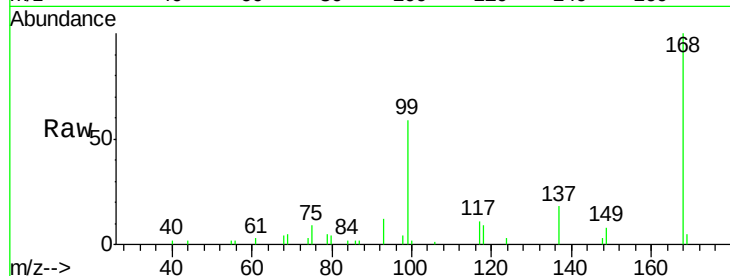
MUDDY-BAGSRE

Tot Ion:168 Resp: 67059

Ion Ratio Lower Upper

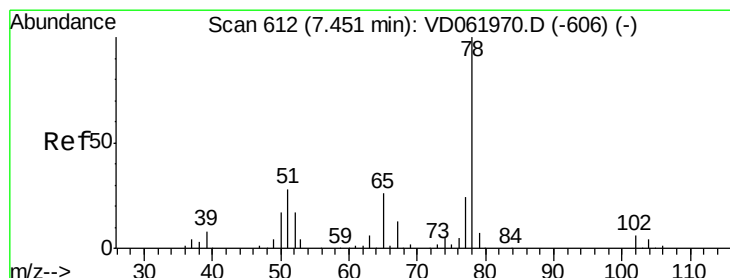
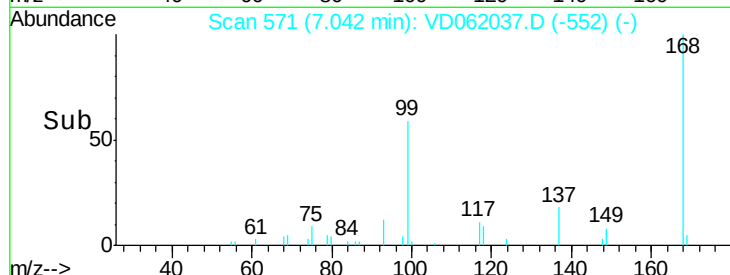
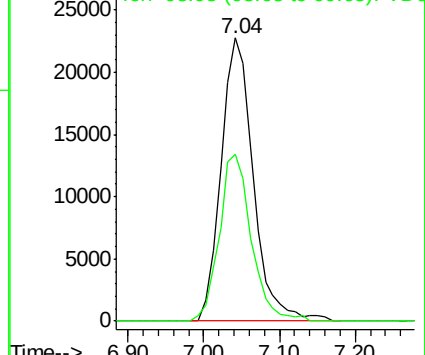
168 100

99 58.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 97.014 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062037.D

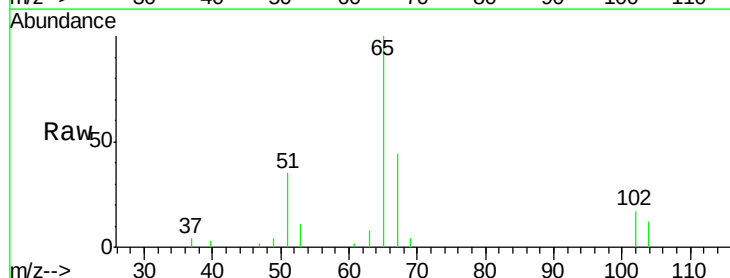
Acq: 25 Apr 2019 14:24

Tgt Ion: 65 Resp: 50917

Ion Ratio Lower Upper

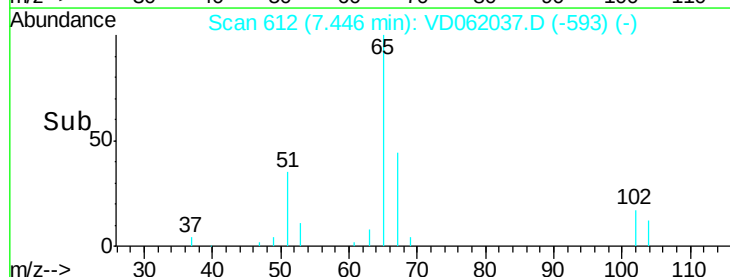
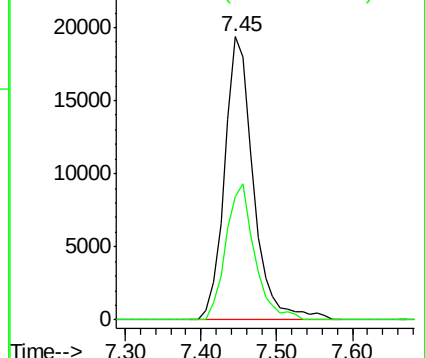
65 100

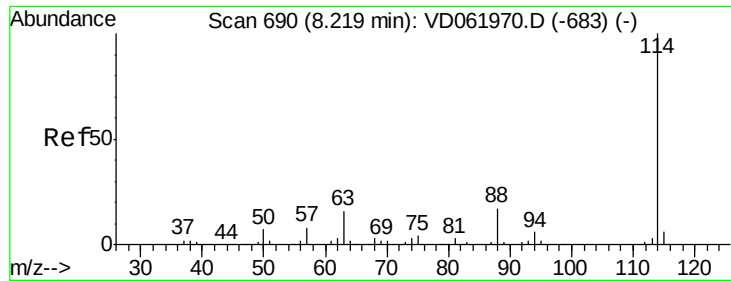
67 43.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062037.D

Acq: 25 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

MUDDY-BAGSRE

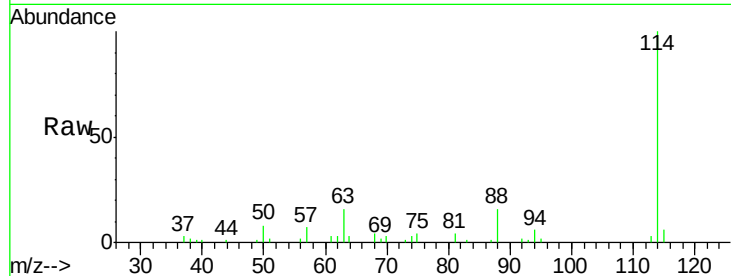
Tot Ion:114 Resp: 124886

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.4

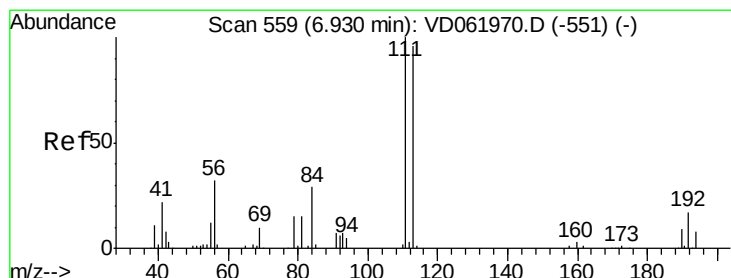
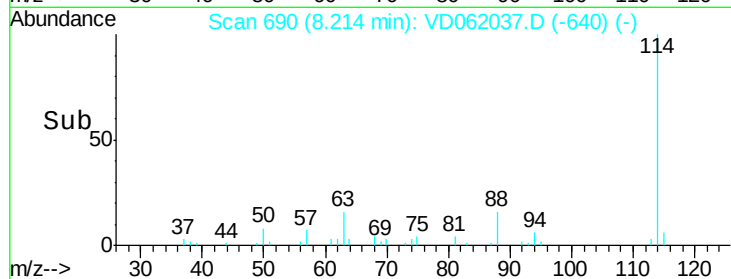
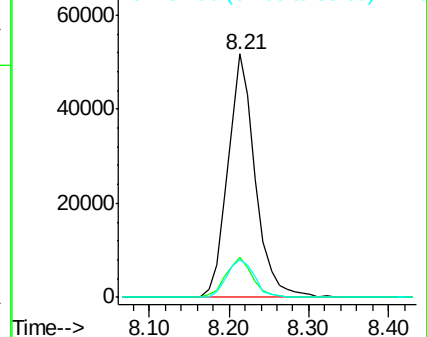
88 15.6 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 64.405 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062037.D

Acq: 25 Apr 2019 14:24

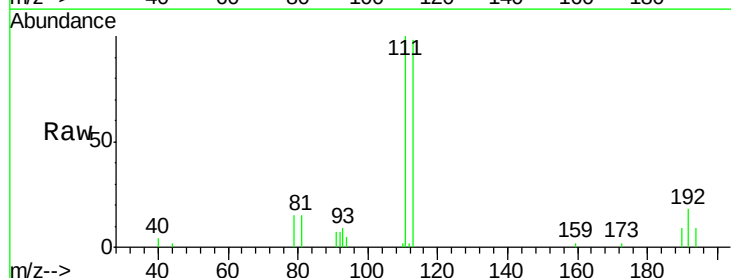
Tgt Ion:113 Resp: 55627

Ion Ratio Lower Upper

113 100

111 102.3 78.5 117.7

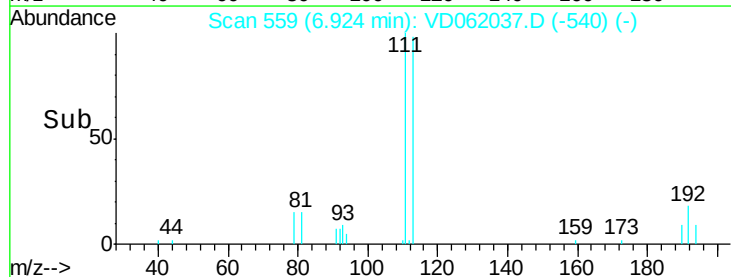
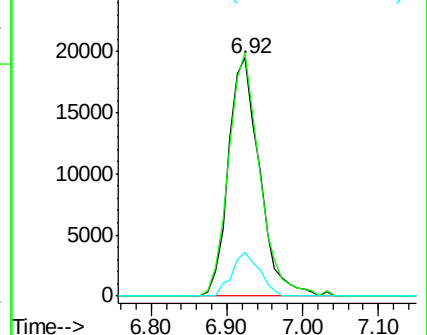
192 18.5 13.0 19.4

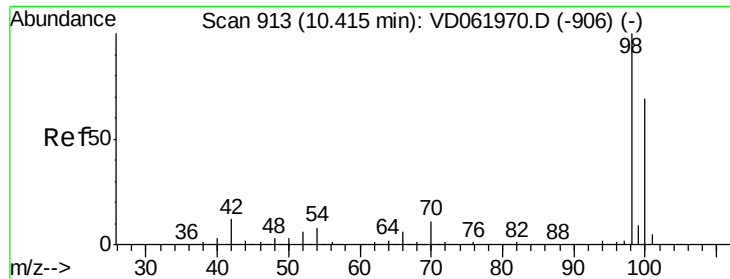


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

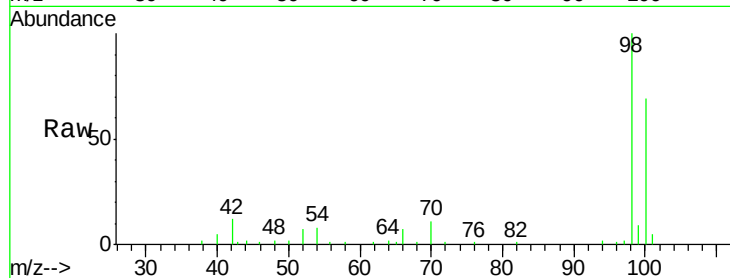




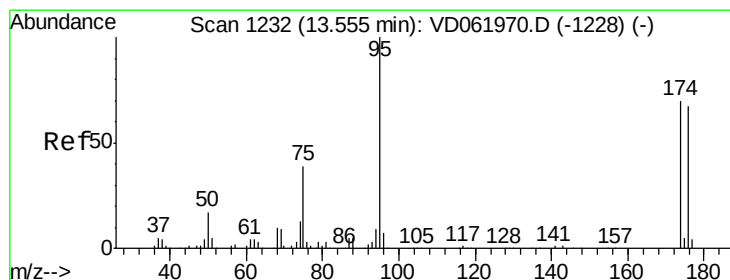
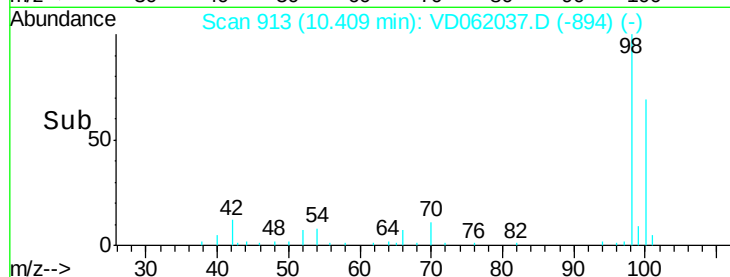
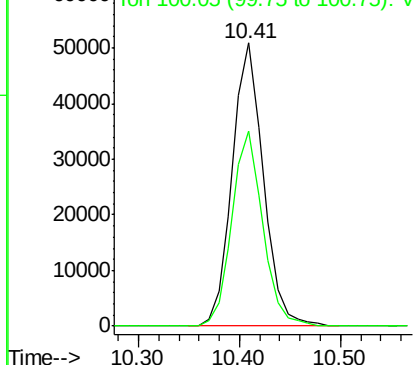
#50
Toluene-d8
Concen: 53.281 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062037.D
Acq: 25 Apr 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
MUDDY-BAGSRE

Tot Ion: 98 Resp: 109503
Ion Ratio Lower Upper
98 100
100 68.7 53.8 80.8

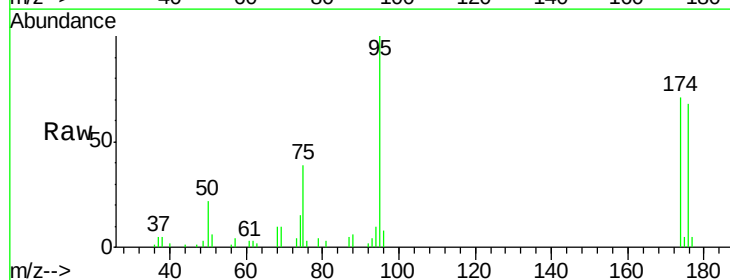


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

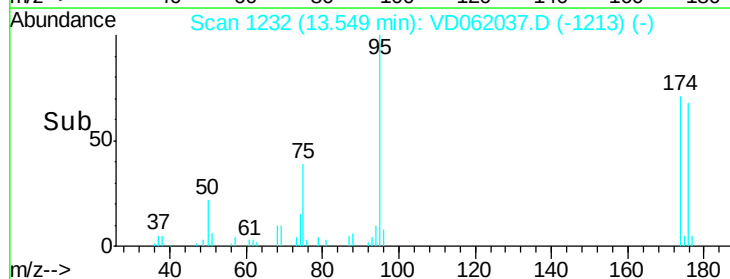
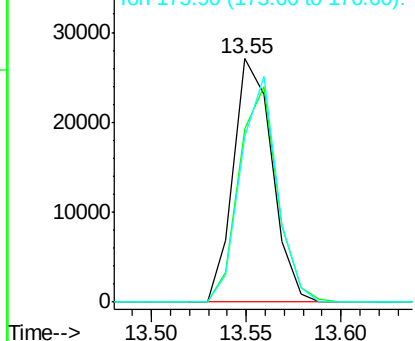


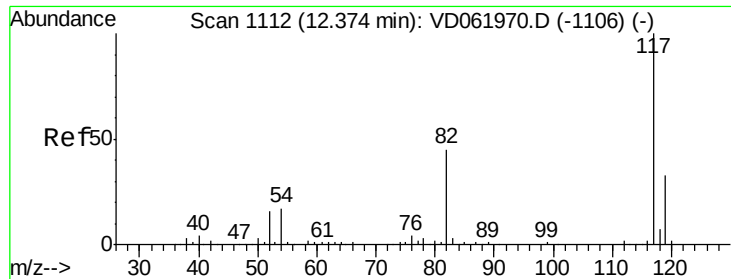
#62
4-Bromofluorobenzene
Concen: 46.375 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062037.D
Acq: 25 Apr 2019 14:24

Tgt Ion: 95 Resp: 38228
Ion Ratio Lower Upper
95 100
174 71.0 0.0 181.8
176 68.0 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)
Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)
Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

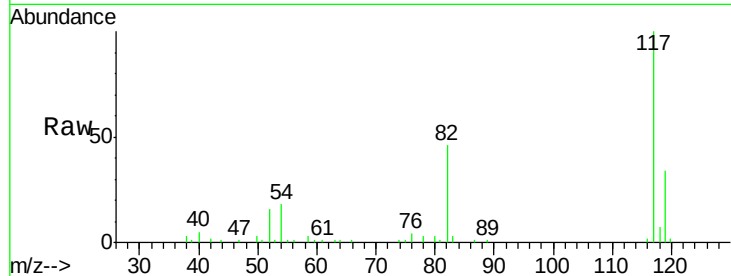




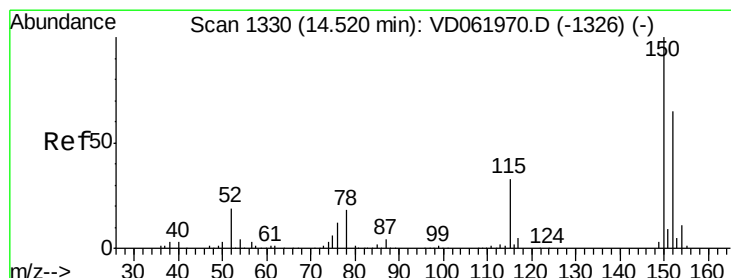
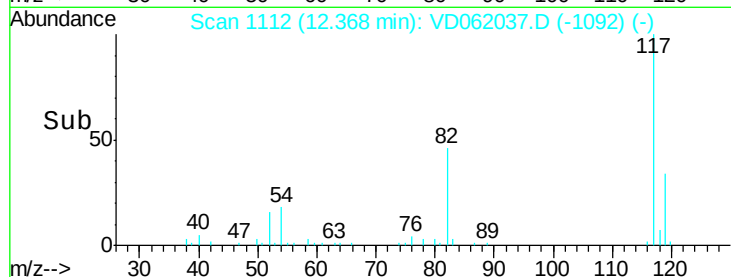
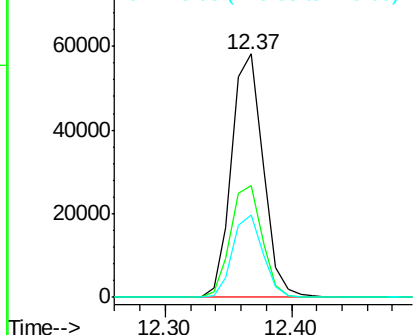
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062037.D
Acq: 25 Apr 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
MUDDY-BAGSRE

Tot Ion:117 Resp: 100580
Ion Ratio Lower Upper
117 100
82 45.9 36.2 54.2
119 33.7 26.2 39.4

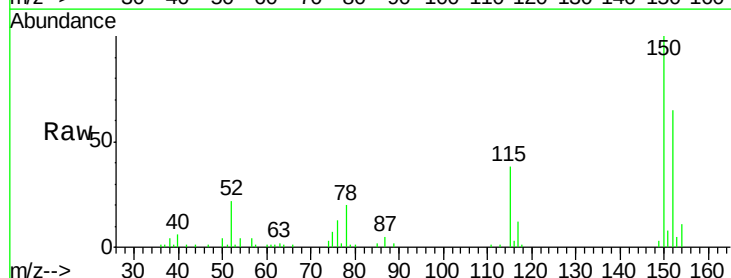


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062037.D
Acq: 25 Apr 2019 14:24

Tgt Ion:152 Resp: 37160
Ion Ratio Lower Upper
152 100
115 59.0 30.9 92.7
150 154.4 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

