

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD052319\
 Data File : VD062522.D
 Acq On : 23 May 2019 15:14
 Operator : VA/AP
 Sample : K2996-07
 Misc : 5.76g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-7(4.5-5.0)

Quant Time: Jun 03 02:08:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

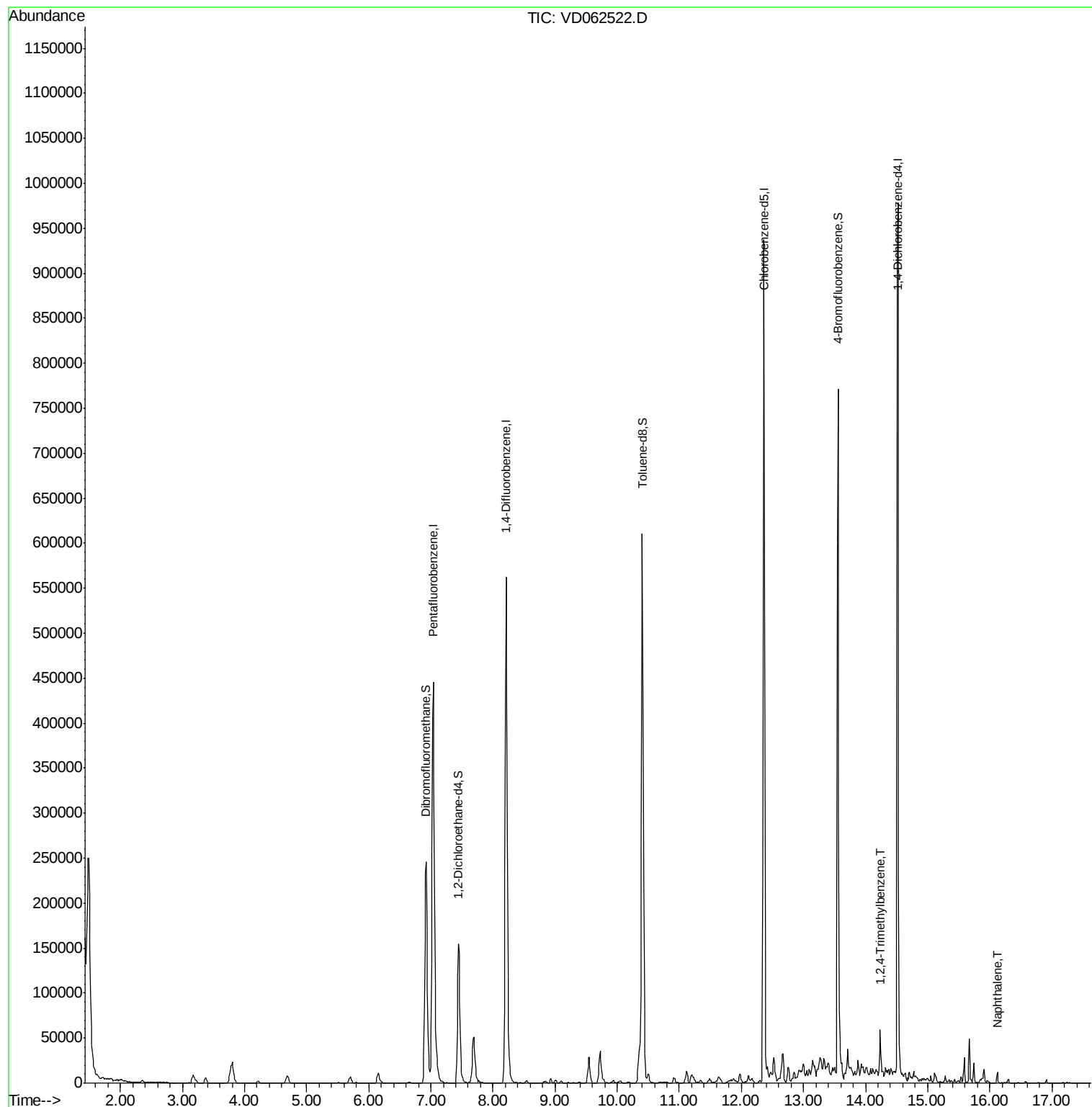
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	444165	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	610167	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	539719	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	248674	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	177696	37.37	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	74.74%	
35) Dibromofluoromethane	6.92	113	220286	40.02	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	80.04%	
50) Toluene-d8	10.41	98	505038	41.93	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	83.86%	
62) 4-Bromofluorobenzene	13.56	95	219034	41.57	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	83.14%	
Target Compounds						
84) 1,2,4-Trimethylbenzene	14.23	105	19425	1.397	ug/l	94
95) Naphthalene	16.12	128	8660	1.205	ug/l	99

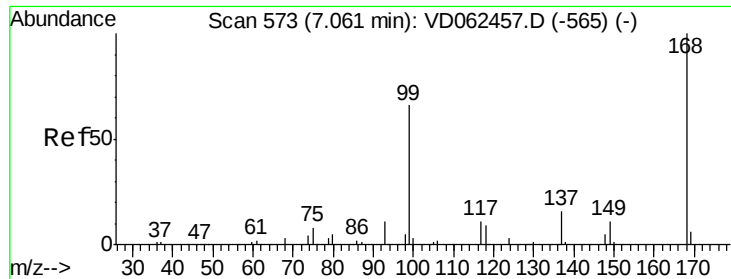
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD062522.D

Acq: 23 May 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

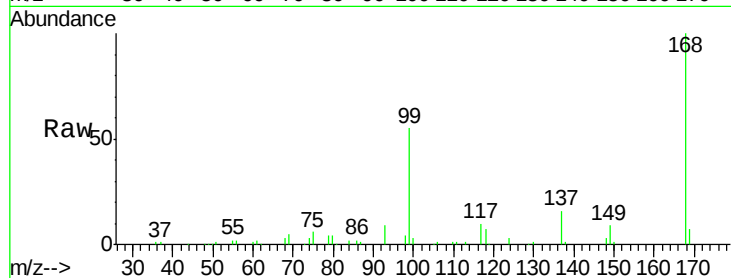
P-7(4.5-5.0)

Tot Ion:168 Resp: 444165

Ion Ratio Lower Upper

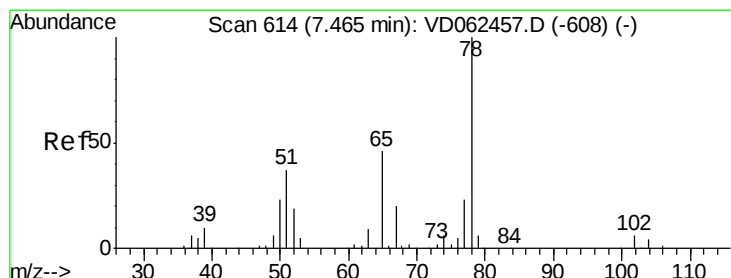
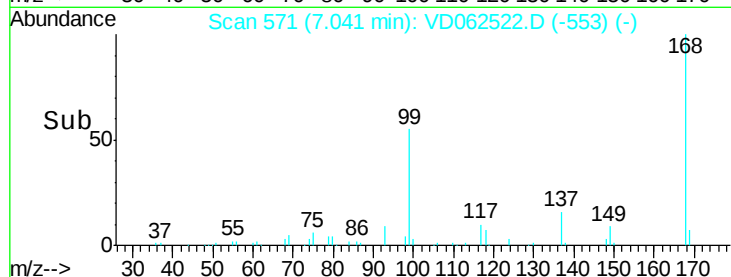
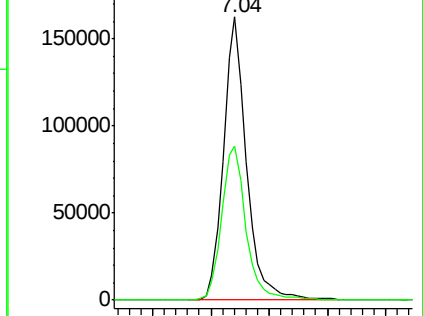
168 100

99 54.5 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: 37.374 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062522.D

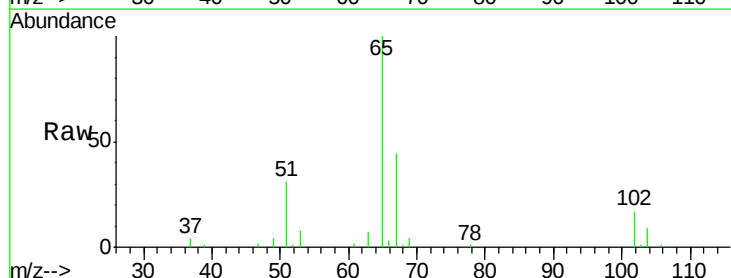
Acq: 23 May 2019 15:14

Tgt Ion: 65 Resp: 177696

Ion Ratio Lower Upper

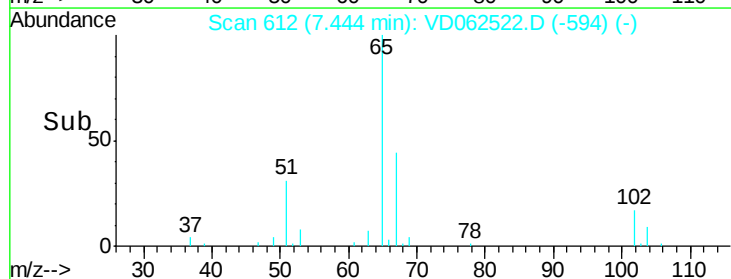
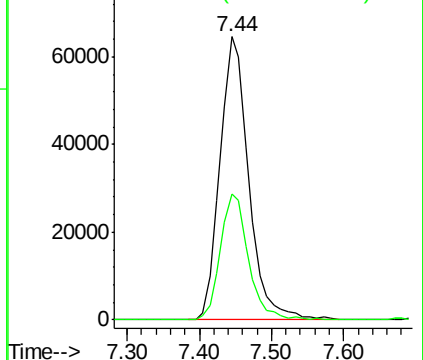
65 100

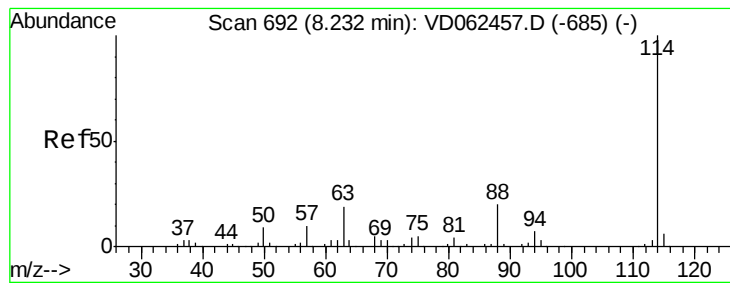
67 44.3 0.0 98.0



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. -0.02 min

Lab File: VD062522.D

Acq: 23 May 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

P-7(4.5-5.0)

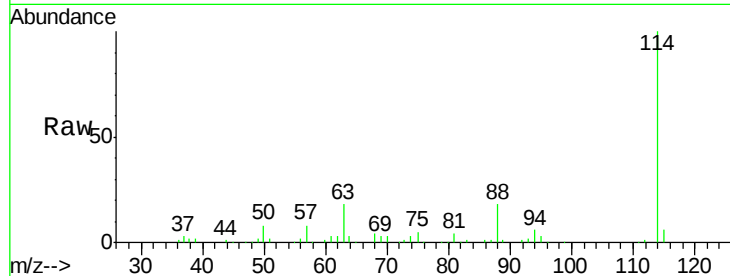
Tot Ion:114 Resp: 610167

Ion Ratio Lower Upper

114 100

63 18.2 0.0 32.4

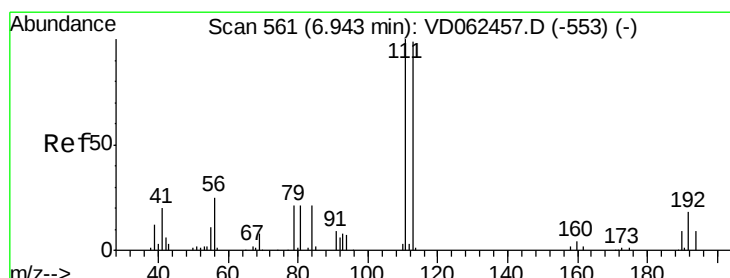
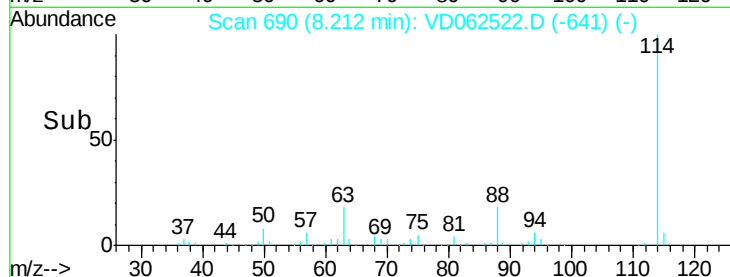
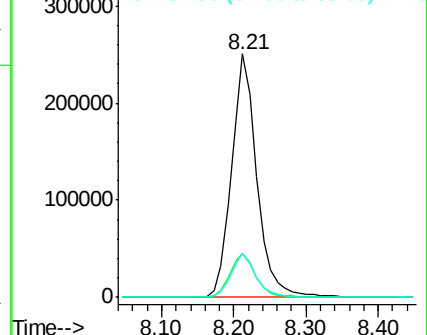
88 18.1 0.0 33.6



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: 40.020 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD062522.D

Acq: 23 May 2019 15:14

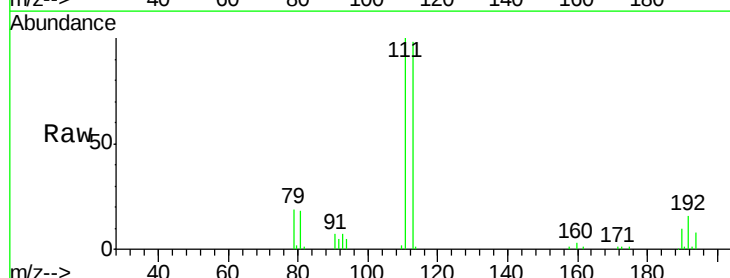
Tgt Ion:113 Resp: 220286

Ion Ratio Lower Upper

113 100

111 102.5 78.5 117.7

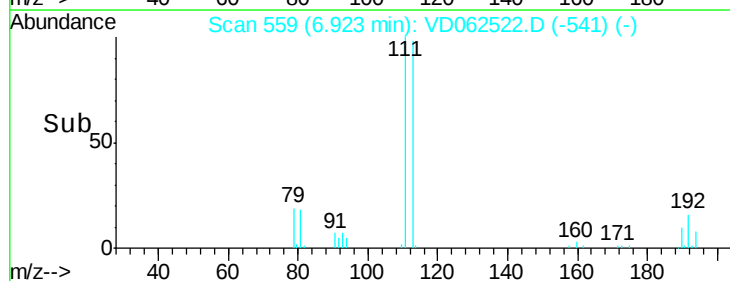
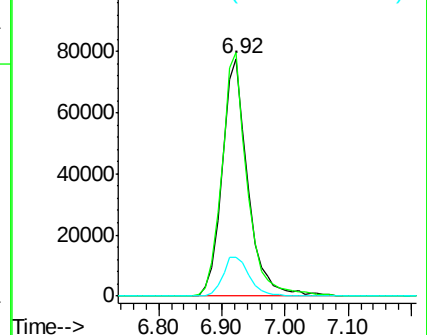
192 16.2 13.0 19.4

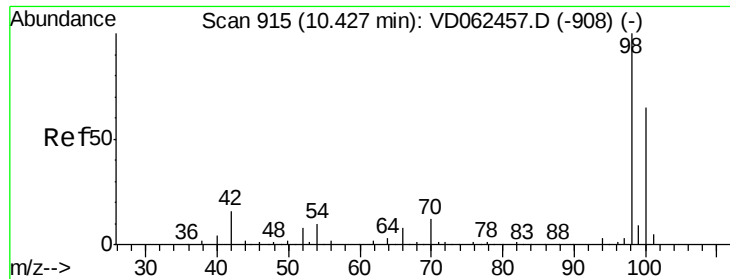


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

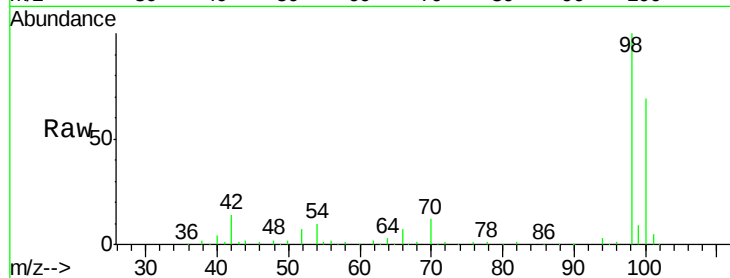




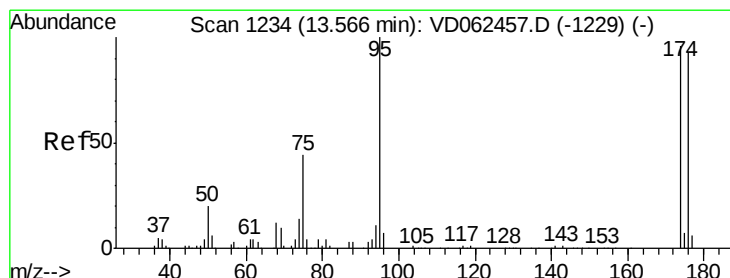
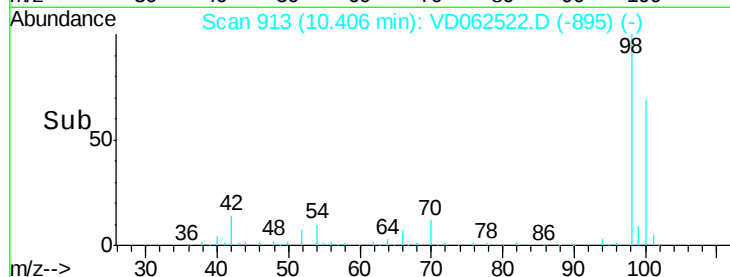
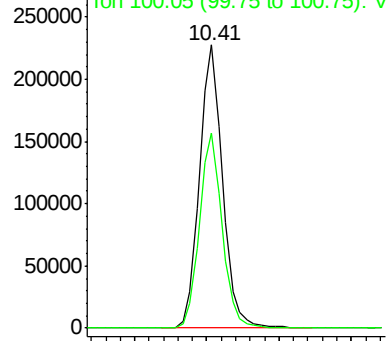
#50
Toluene-d8
Concen: 41.926 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.02 min
Lab File: VD062522.D
Acq: 23 May 2019 15:14

Instrument :
MSVOA_D
ClientSampleId :
P-7(4.5-5.0)

Tot Ion: 98 Resp: 505038
Ion Ratio Lower Upper
98 100
100 69.1 53.8 80.8

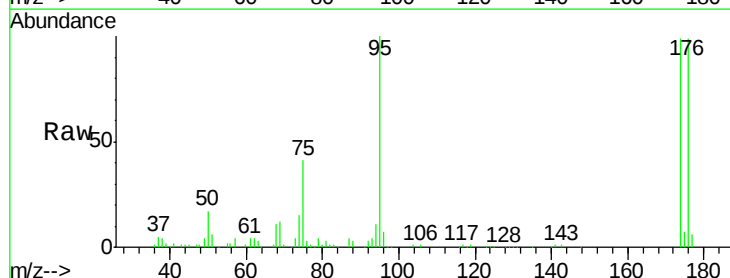


Abundance Ion 98.05 (97.75 to 98.75): VD062457.D (-908) (-)
Ion 100.05 (99.75 to 100.75): VD062457.D (-908) (-)

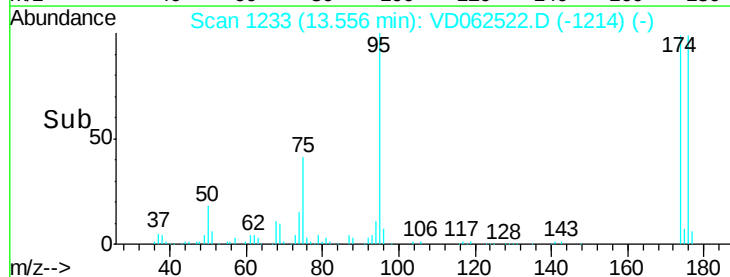
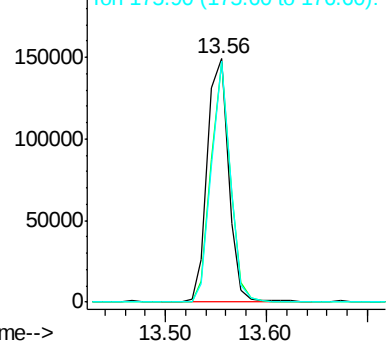


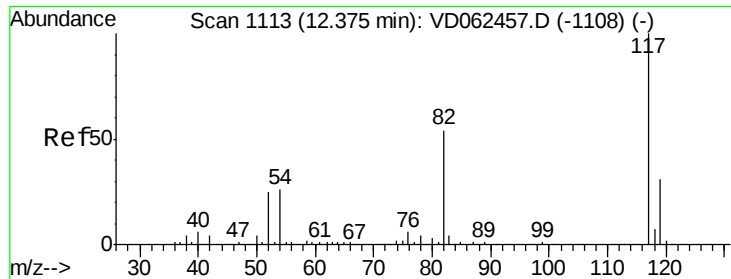
#62
4-Bromofluorobenzene
Concen: 41.568 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.01 min
Lab File: VD062522.D
Acq: 23 May 2019 15:14

Tgt Ion: 95 Resp: 219034
Ion Ratio Lower Upper
95 100
174 98.7 0.0 181.8
176 98.8 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062457.D (-1229) (-)
Ion 173.90 (173.60 to 174.60): VD062457.D (-1229) (-)
Ion 175.90 (175.60 to 176.60): VD062457.D (-1229) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD062522.D

Acq: 23 May 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

P-7(4.5-5.0)

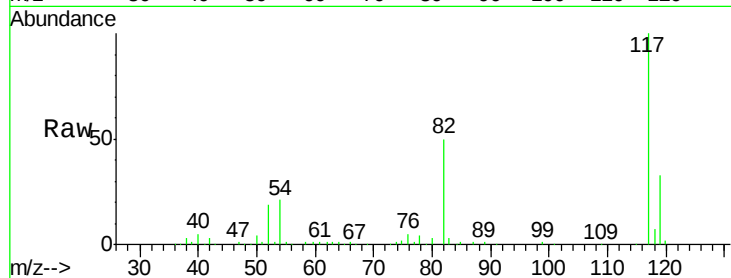
Tot Ion:117 Resp: 539719

Ion Ratio Lower Upper

117 100

82 50.4 36.2 54.2

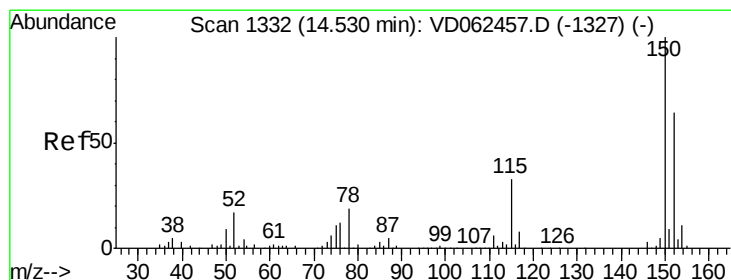
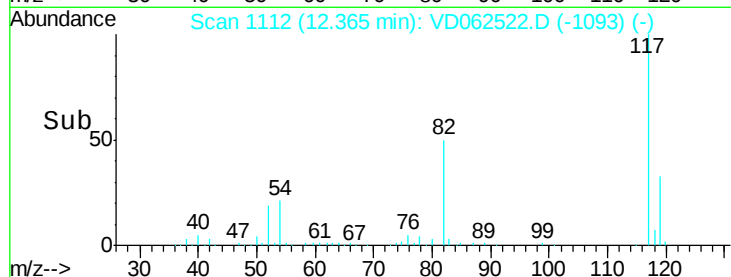
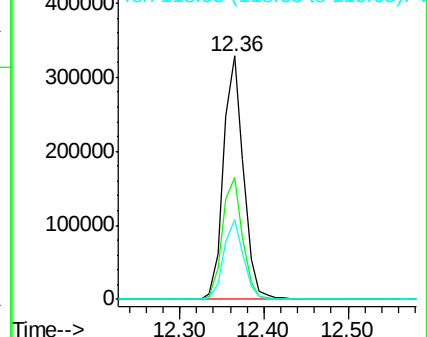
119 32.9 26.2 39.4



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: 14.52 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD062522.D

Acq: 23 May 2019 15:14

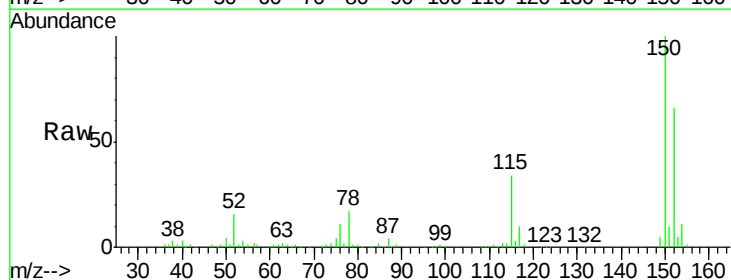
Tgt Ion:152 Resp: 248674

Ion Ratio Lower Upper

152 100

115 51.6 30.9 92.7

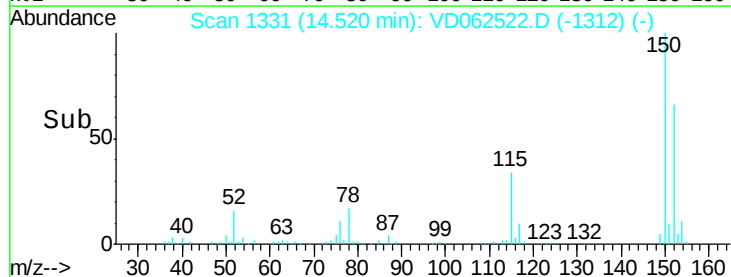
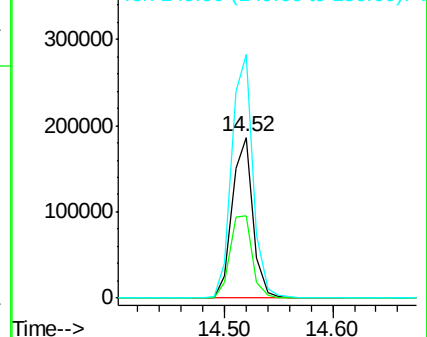
150 151.4 0.0 314.8

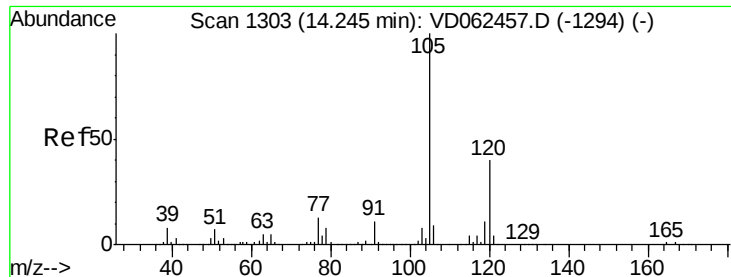


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

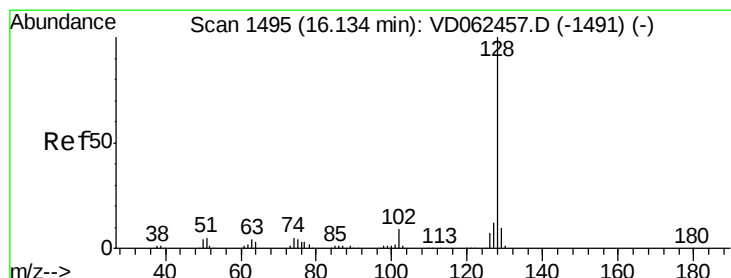
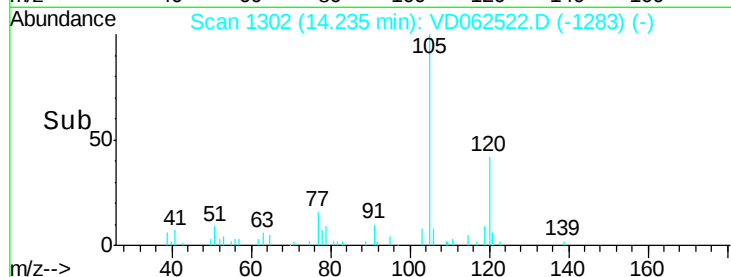
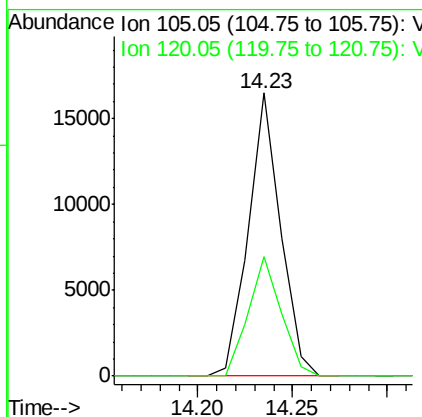
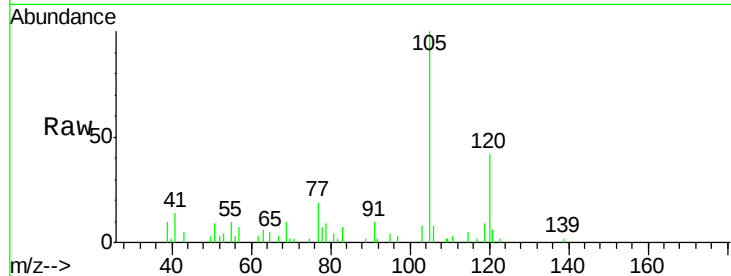




#84
 1,2,4-Trimethylbenzene
 Concen: 1.397 ug/l
 RT: 14.23 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD062522.D
 Acq: 23 May 2019 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 P-7(4.5-5.0)

Tot Ion:105 Resp: 19425
 Ion Ratio Lower Upper
 105 100
 120 42.3 23.1 69.2



#95
 Naphthalene
 Concen: 1.205 ug/l
 RT: 16.12 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: VD062522.D
 Acq: 23 May 2019 15:14

Tgt Ion:128 Resp: 8660
 Ion Ratio Lower Upper
 128 100
 127 12.6 9.8 14.8
 129 10.1 8.8 13.2

