

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062045.D
 Acq On : 25 Apr 2019 18:22
 Operator : VA/AP
 Sample : K2553-01
 Misc : 5.51g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200034

Quant Time: Apr 26 01:54:59 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

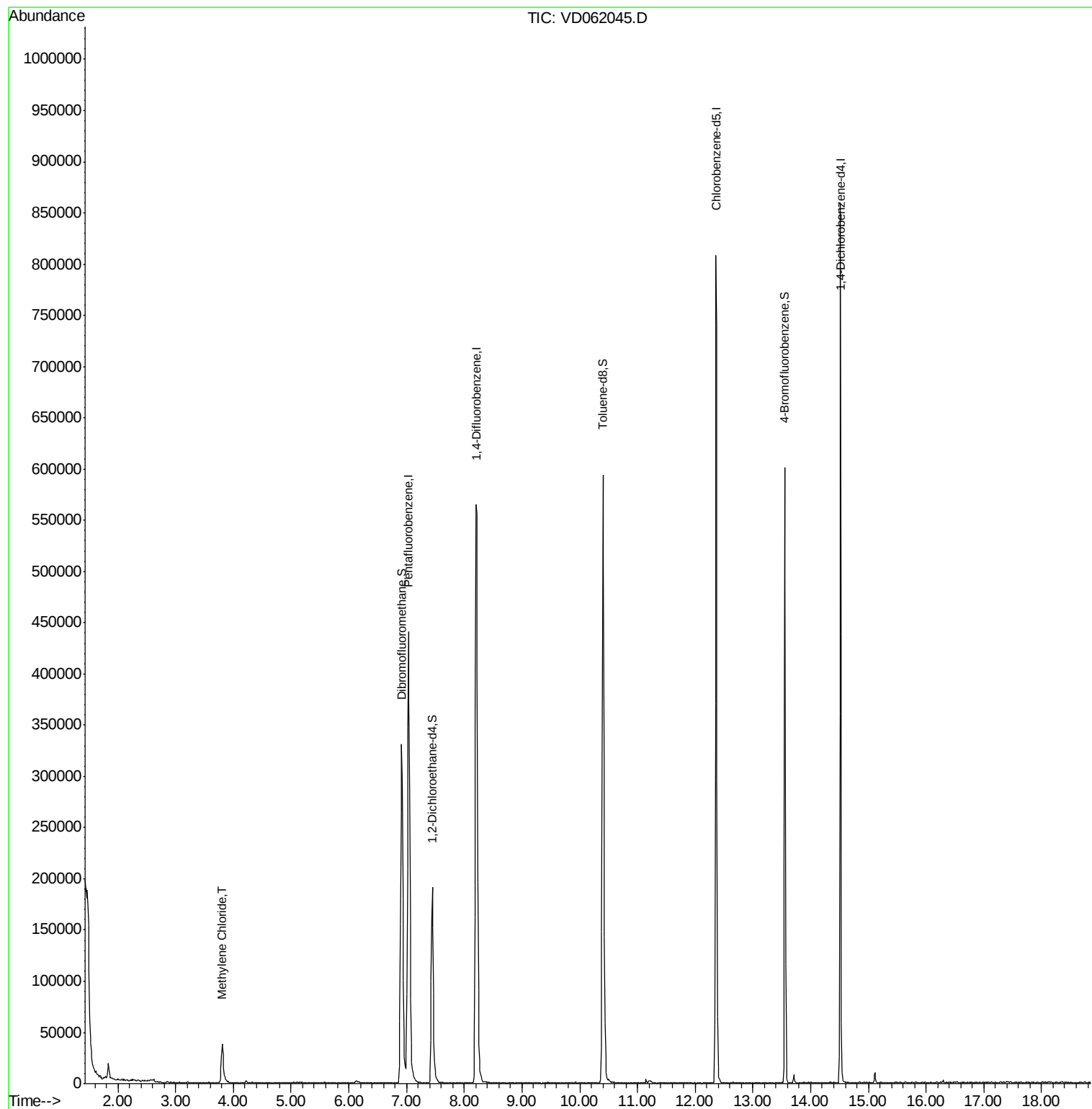
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	437868	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	690895	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	513965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	183897	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	191576	55.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.80%	
35) Dibromofluoromethane	6.91	113	289188	60.52	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	121.04%	
50) Toluene-d8	10.40	98	514949	45.29	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	90.58%	
62) 4-Bromofluorobenzene	13.55	95	184026	40.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.70%	
Target Compounds						
20) Methylene Chloride	3.81	84	29594	4.529	ug/l	Qvalue 88

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

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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062045.D

Acq: 25 Apr 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

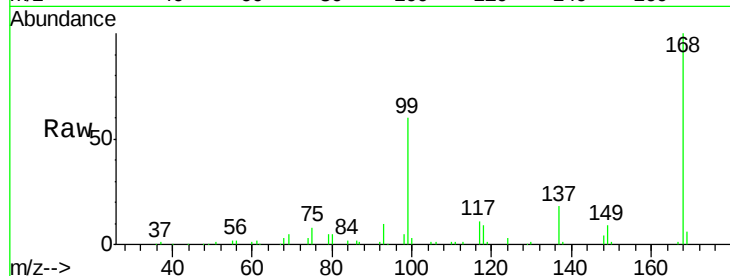
RBR200034

Tot Ion:168 Resp: 437868

Ion Ratio Lower Upper

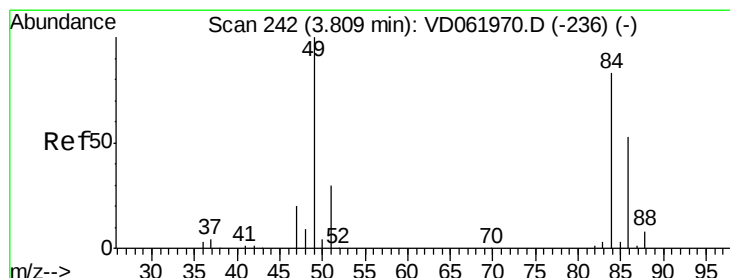
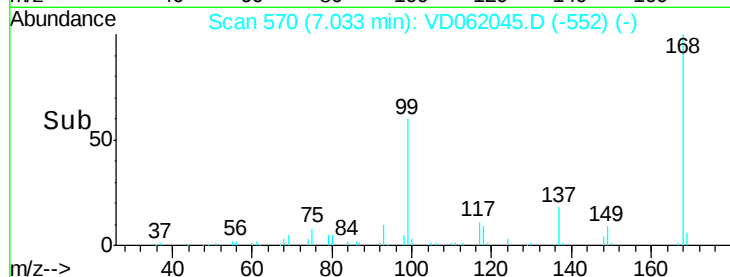
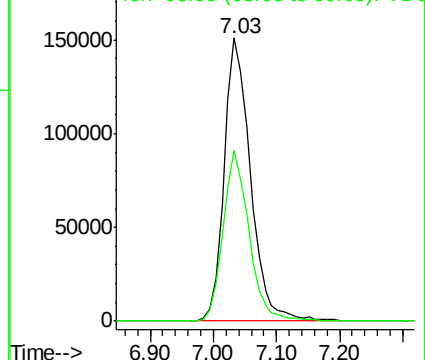
168 100

99 60.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 4.529 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD062045.D

Acq: 25 Apr 2019 18:22

Tgt Ion: 84 Resp: 29594

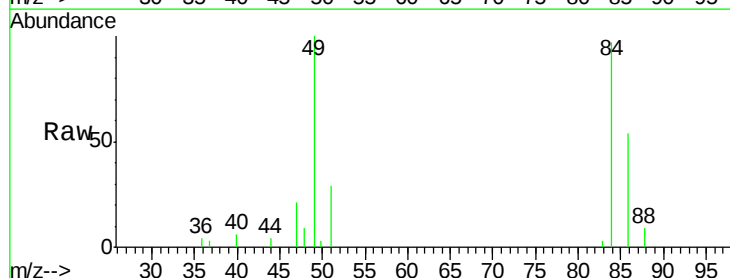
Ion Ratio Lower Upper

84 100

49 103.2 94.0 141.0

51 29.8 29.0 43.4

86 55.2 49.8 74.6

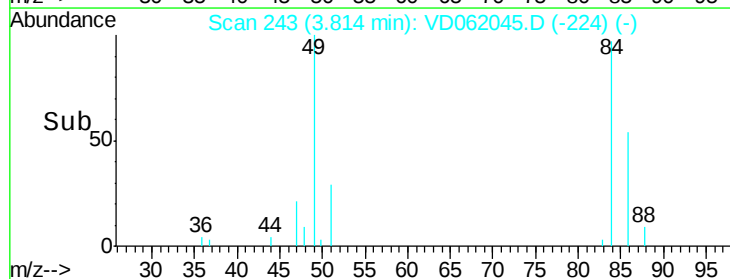
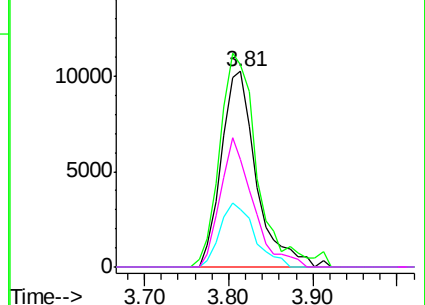


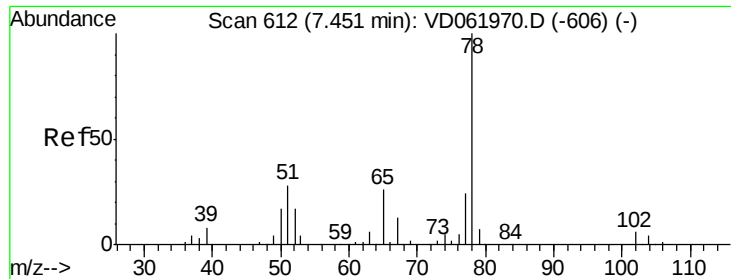
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 55.902 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062045.D

Acq: 25 Apr 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

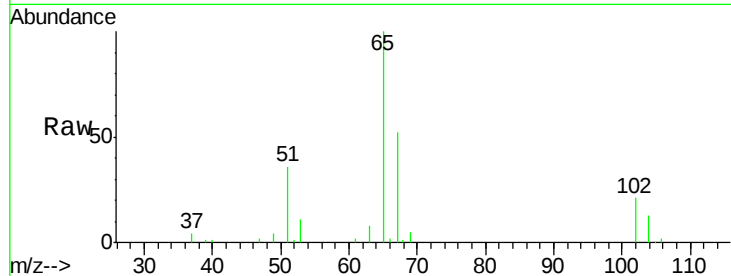
RBR200034

Tot Ion: 65 Resp: 191576

Ion Ratio Lower Upper

65 100

67 51.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

80000

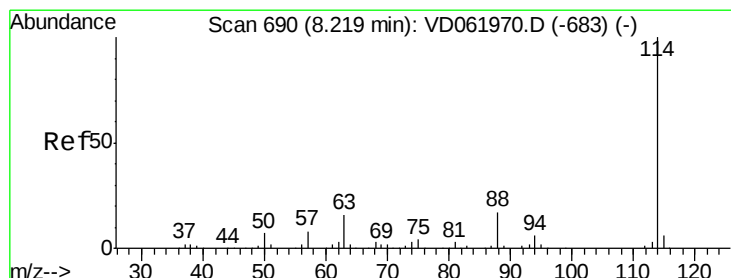
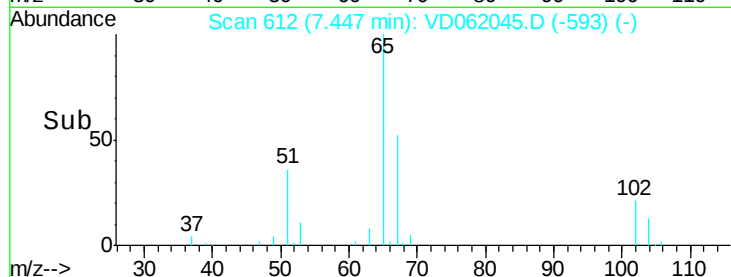
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062045.D

Acq: 25 Apr 2019 18:22

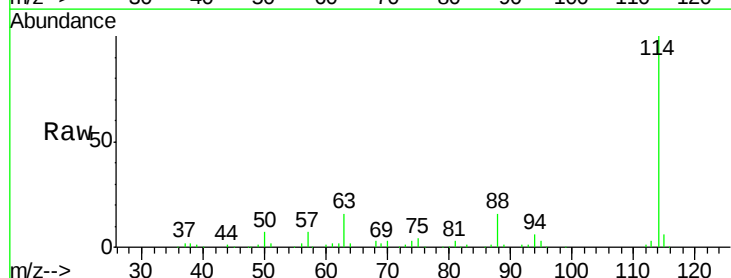
Tgt Ion: 114 Resp: 690895

Ion Ratio Lower Upper

114 100

63 15.6 0.0 32.4

88 16.5 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

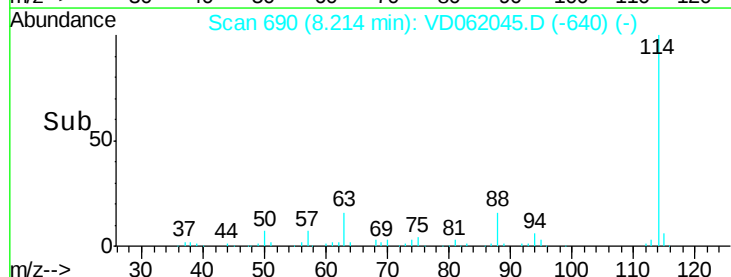
300000

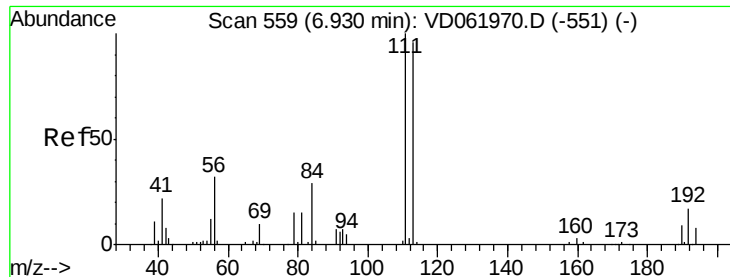
200000

100000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 60.522 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062045.D

Acq: 25 Apr 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

RBR200034

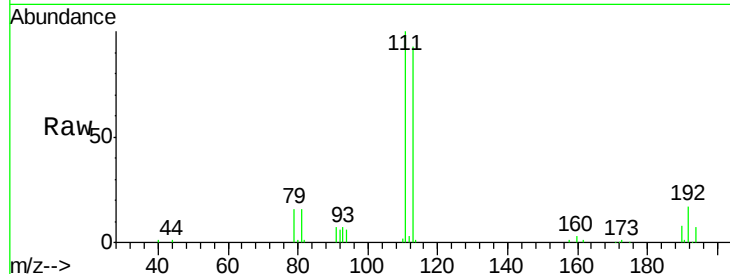
Tot Ion:113 Resp: 289188

Ion Ratio Lower Upper

113 100

111 107.8 78.5 117.7

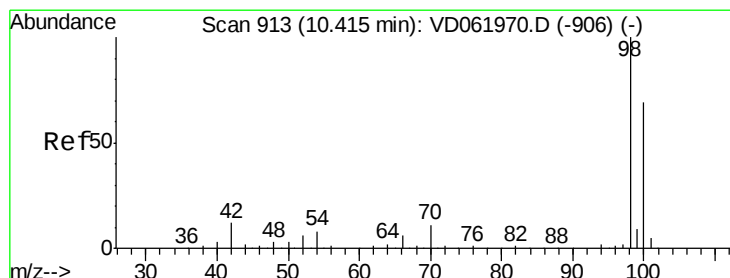
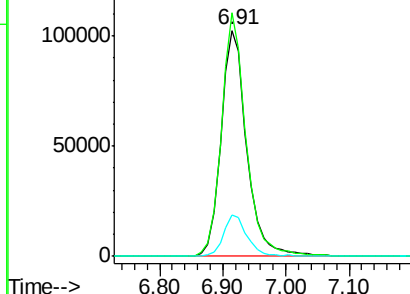
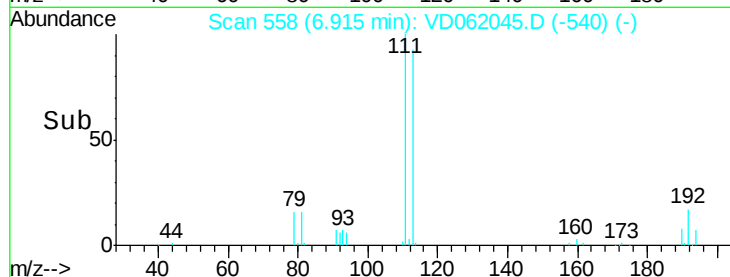
192 18.1 13.0 19.4



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: 45.291 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD062045.D

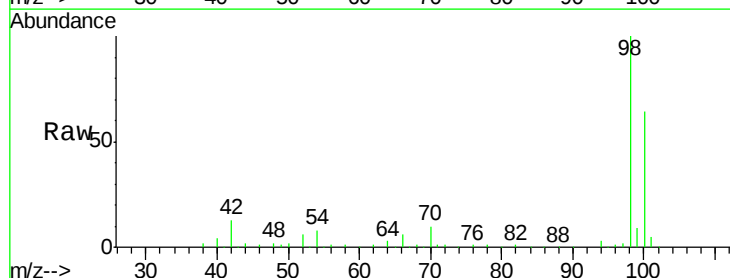
Acq: 25 Apr 2019 18:22

Tgt Ion: 98 Resp: 514949

Ion Ratio Lower Upper

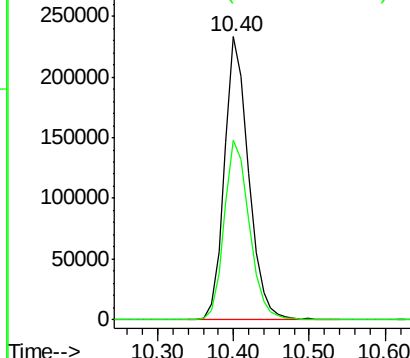
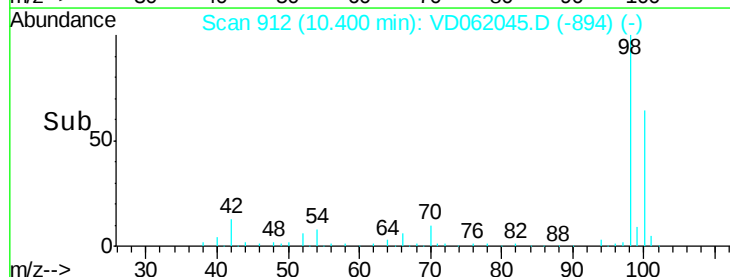
98 100

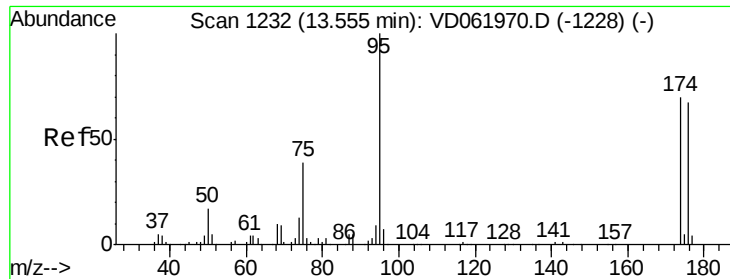
100 63.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 40.354 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062045.D

Acq: 25 Apr 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

RBR200034

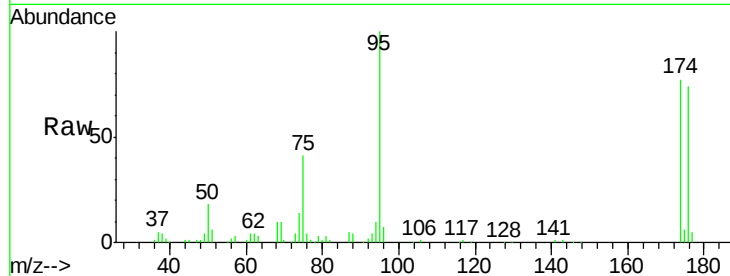
Tot Ion: 95 Resp: 184026

Ion Ratio Lower Upper

95 100

174 76.8 0.0 181.8

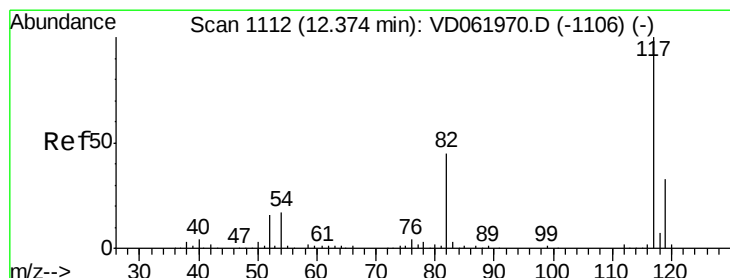
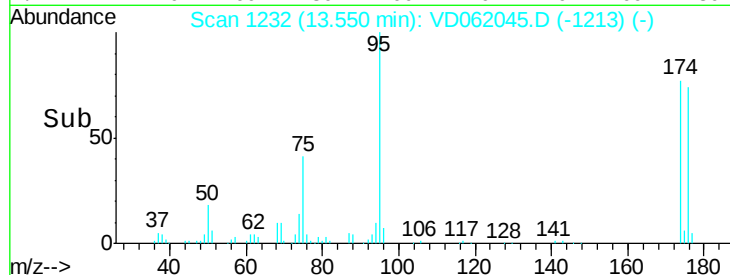
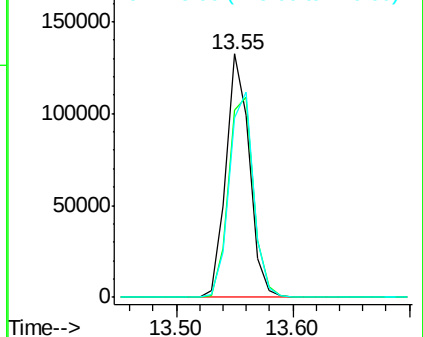
176 73.9 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD062045.D

Acq: 25 Apr 2019 18:22

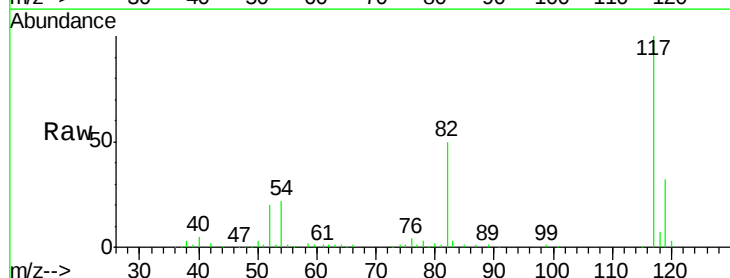
Tgt Ion: 117 Resp: 513965

Ion Ratio Lower Upper

117 100

82 50.1 36.2 54.2

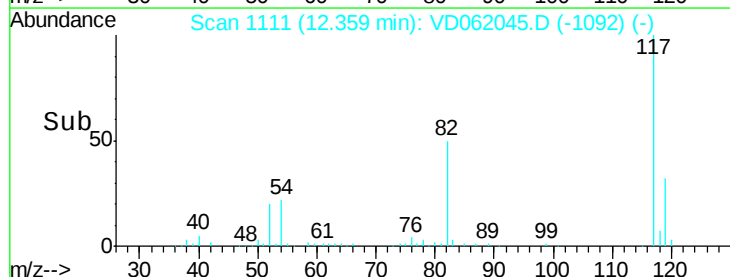
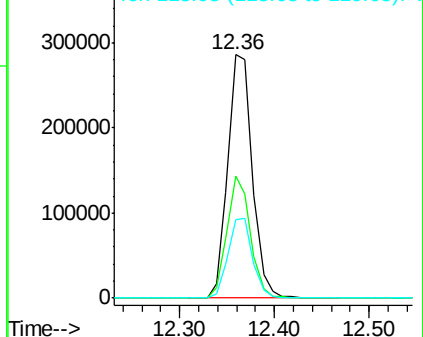
119 32.1 26.2 39.4

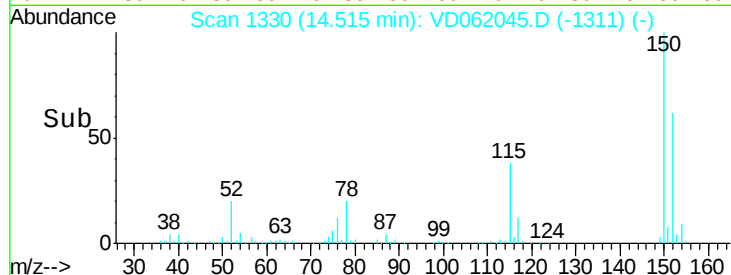
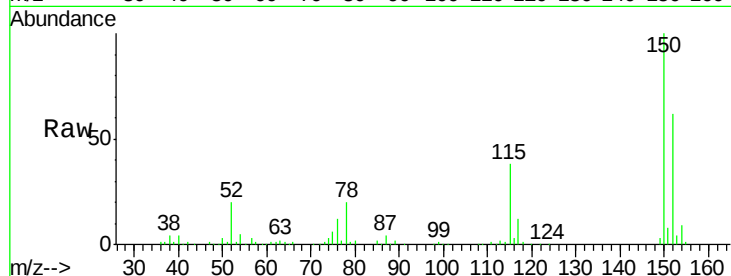
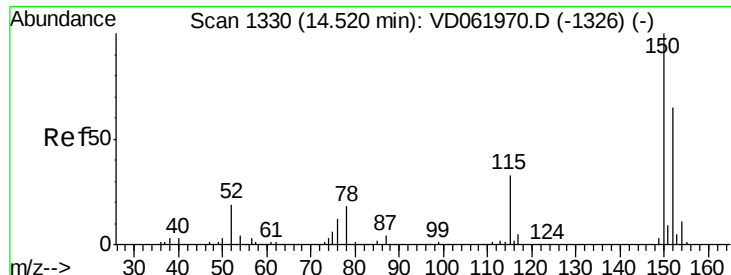


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062045.D
 Acq: 25 Apr 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200034

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.9	92.7
150	161.5	0.0	314.8

