

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062849.D
 Acq On : 24 Jun 2019 19:15
 Operator : VA/AP
 Sample : K3500-05
 Misc : 6.23g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-5(9-10)

Quant Time: Jun 25 05:49:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

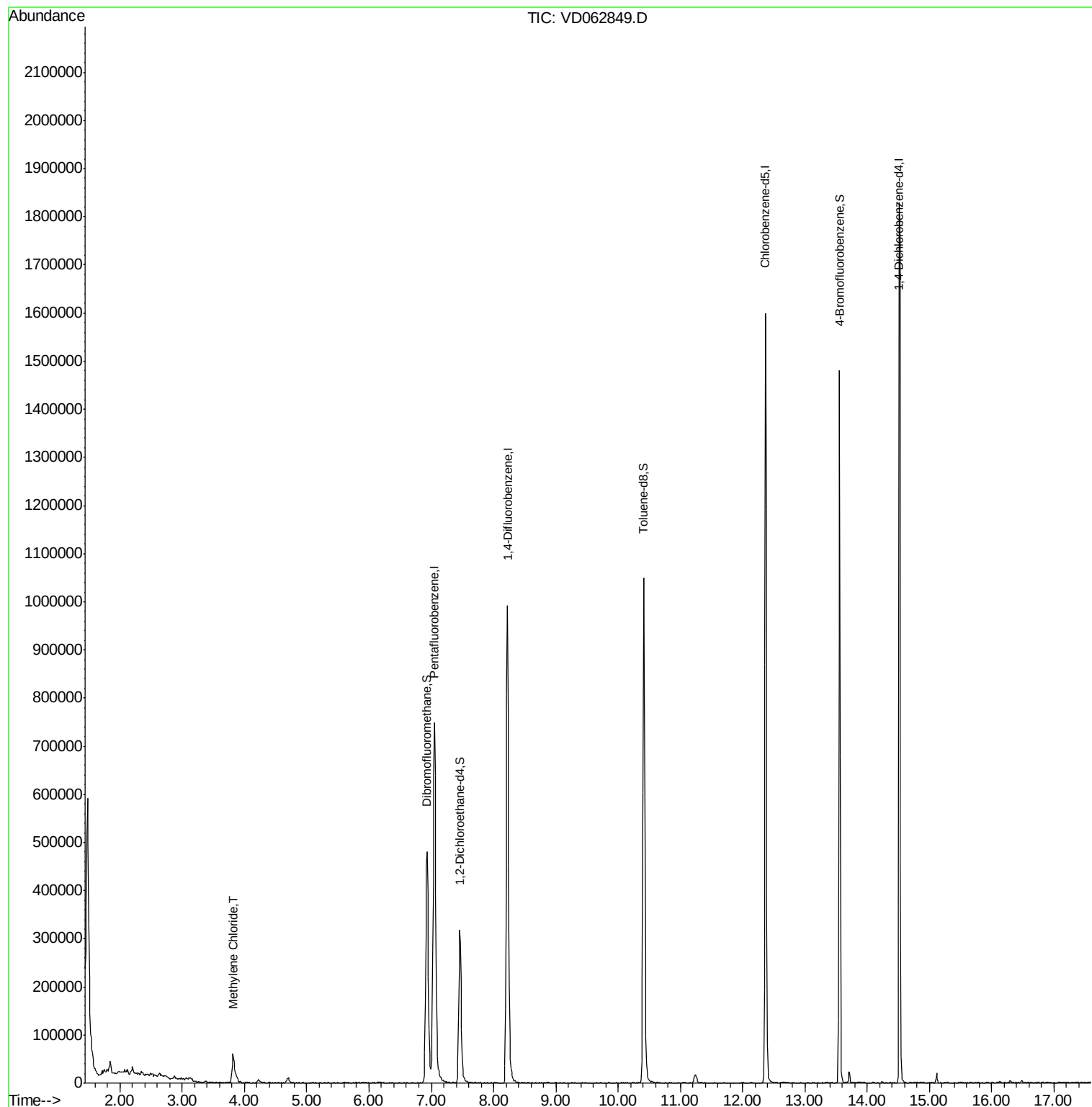
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	709649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1003702	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	823914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	429426	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	384977	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
35) Dibromofluoromethane	6.93	113	428737	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
50) Toluene-d8	10.41	98	843789	45.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.62%	
62) 4-Bromofluorobenzene	13.56	95	383988	45.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.70%	
Target Compounds						
20) Methylene Chloride	3.81	84	36792	6.254	ug/l	Qvalue 88

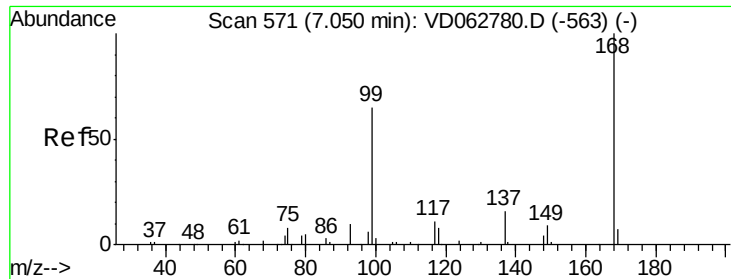
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

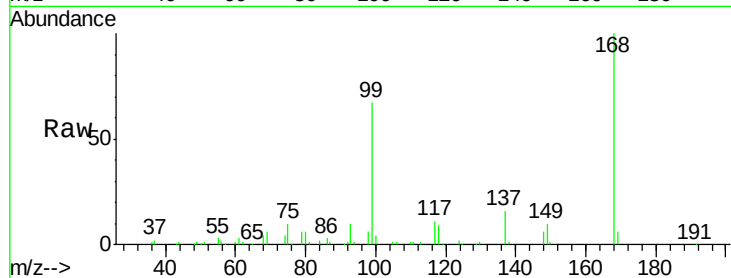
B-5(9-10)

Tot Ion:168 Resp: 709649

Ion Ratio Lower Upper

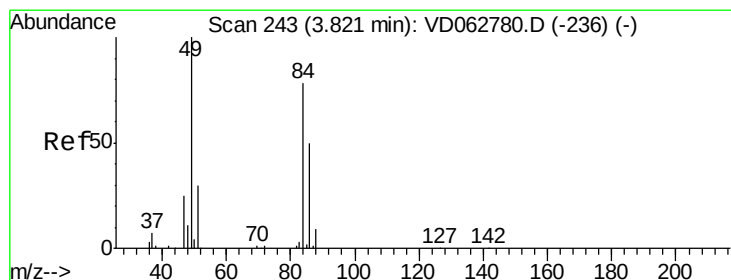
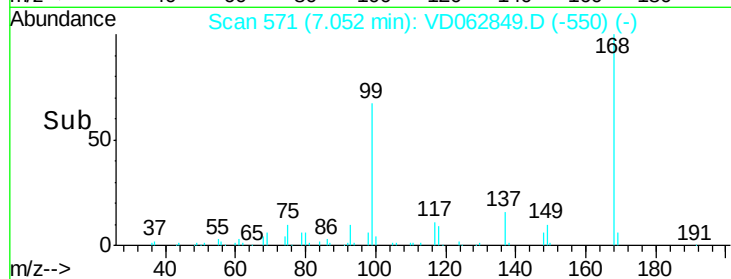
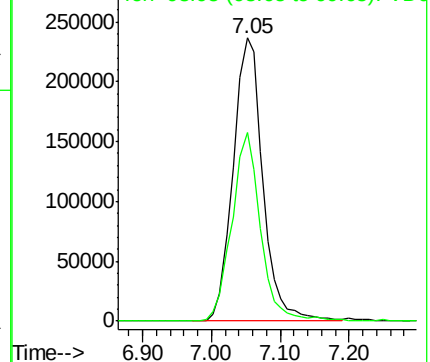
168 100

99 66.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 6.254 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

Tgt Ion: 84 Resp: 36792

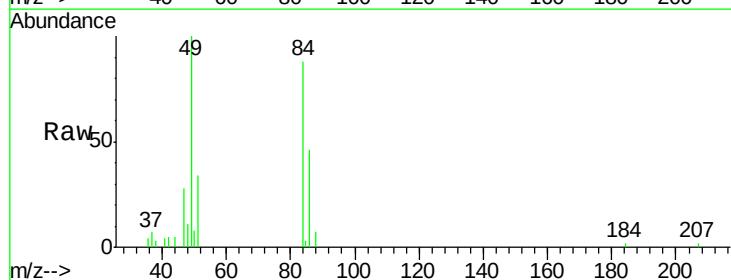
Ion Ratio Lower Upper

84 100

49 113.4 102.9 154.3

51 38.0 31.2 46.8

86 52.1 51.4 77.2

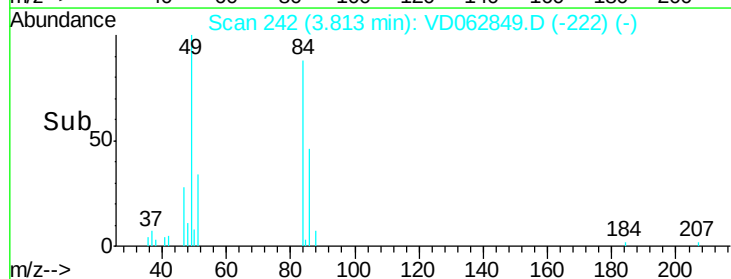
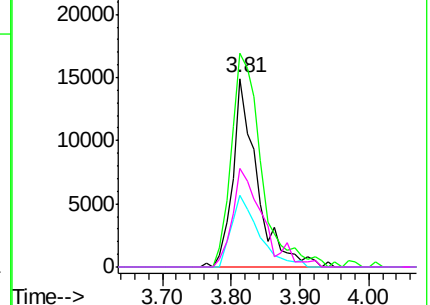


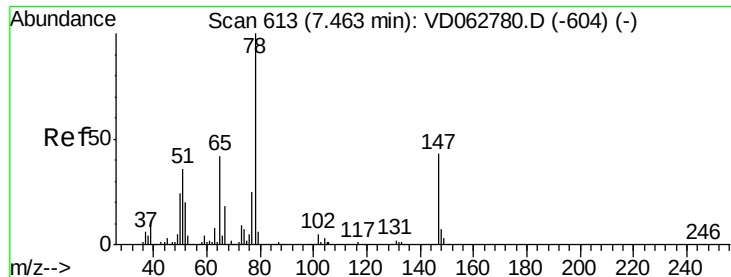
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 49.908 ug/l

RT: 7.46 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

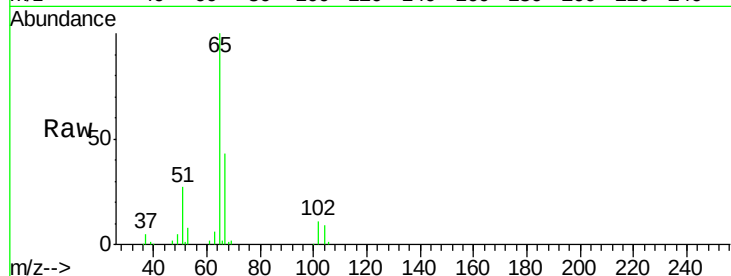
B-5(9-10)

Tot Ion: 65 Resp: 384977

Ion Ratio Lower Upper

65 100

67 43.0 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

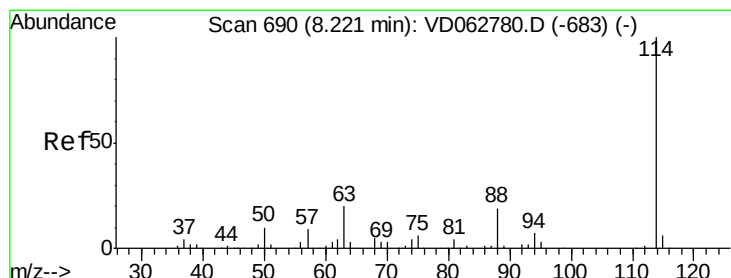
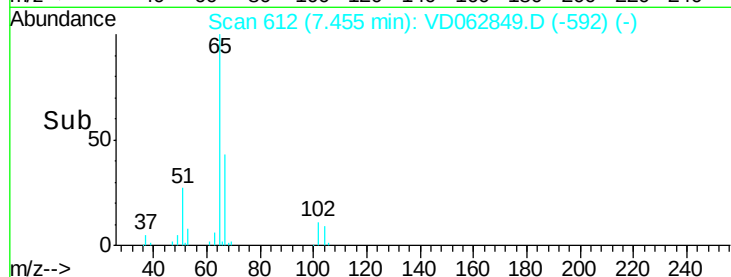
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

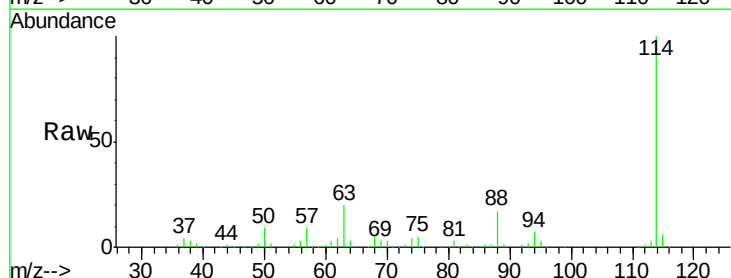
Tgt Ion: 114 Resp: 1003702

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 17.1 0.0 38.8



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

8.22

500000

400000

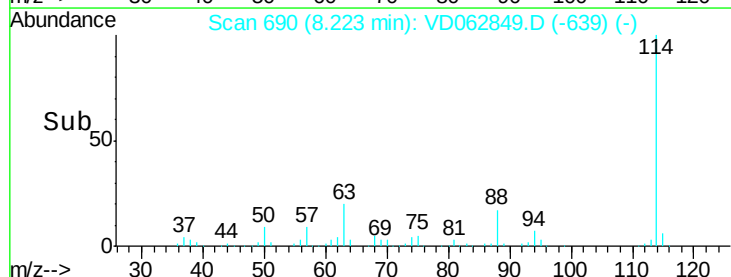
300000

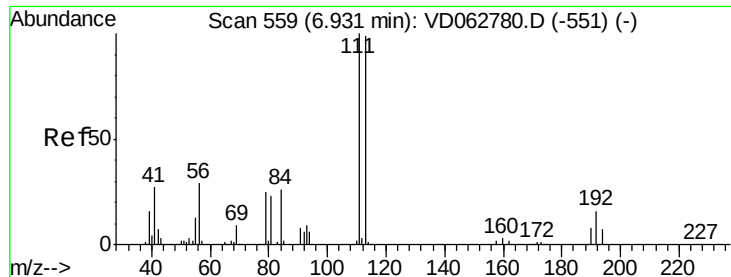
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.659 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

B-5(9-10)

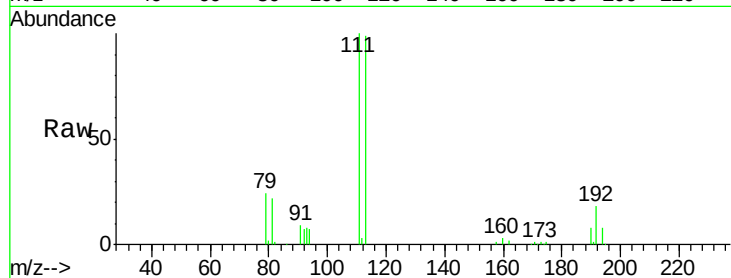
Tot Ion:113 Resp: 428737

Ion Ratio Lower Upper

113 100

111 100.6 81.2 121.8

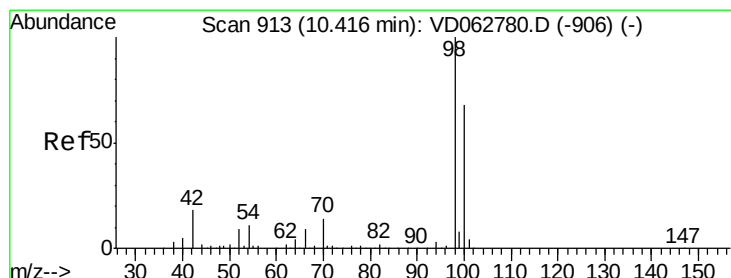
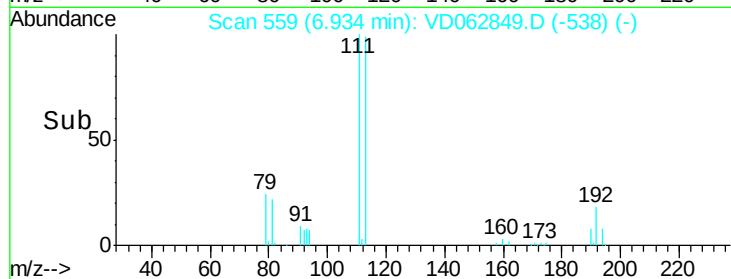
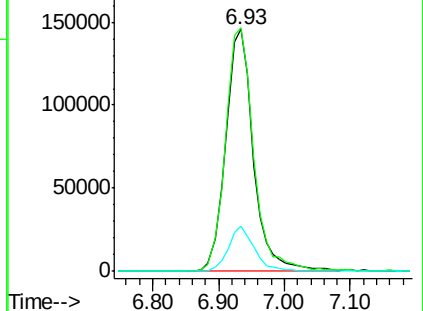
192 18.4 12.9 19.3



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: 45.809 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD062849.D

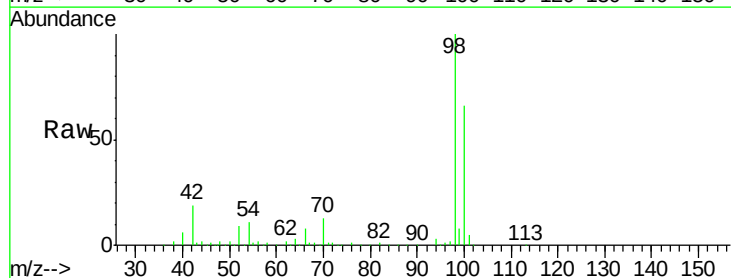
Acq: 24 Jun 2019 19:15

Tgt Ion: 98 Resp: 843789

Ion Ratio Lower Upper

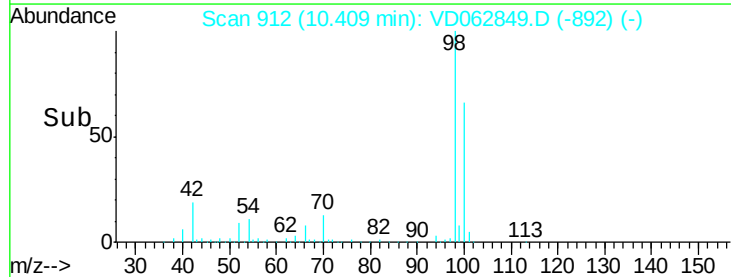
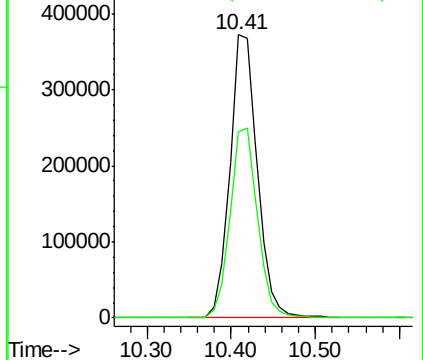
98 100

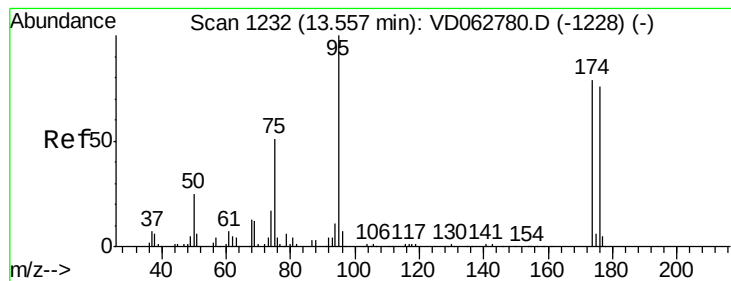
100 65.8 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 45.846 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

B-5(9-10)

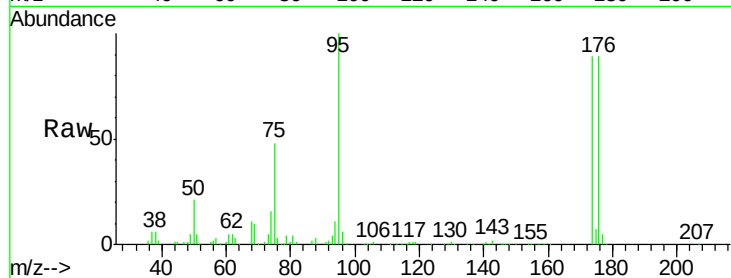
Tot Ion: 95 Resp: 383988

Ion Ratio Lower Upper

95 100

174 88.9 0.0 158.0

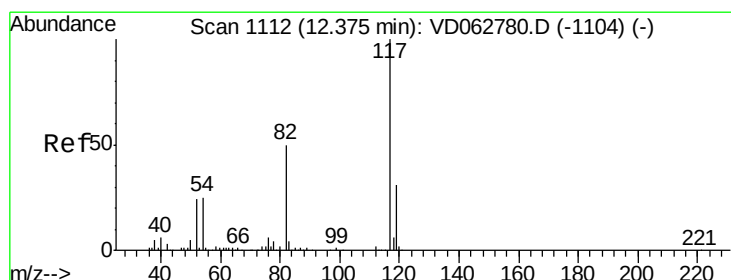
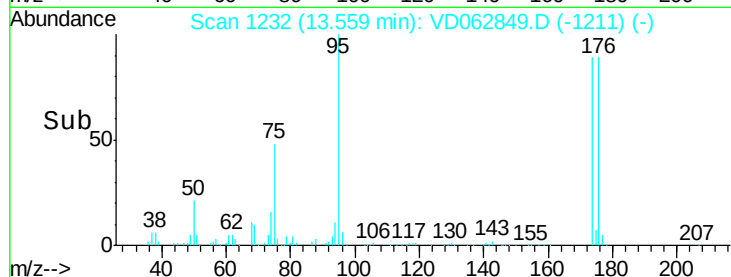
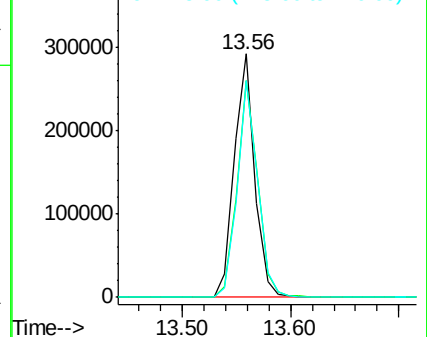
176 89.0 0.0 151.6



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: 12.37 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

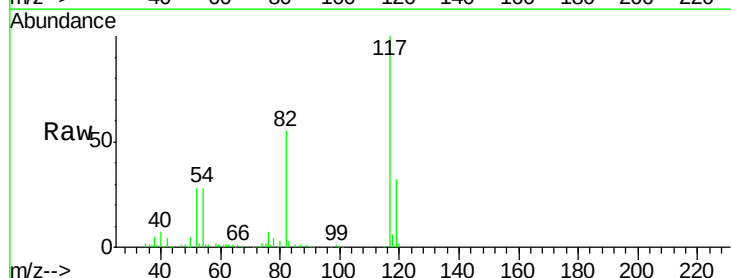
Tgt Ion: 117 Resp: 823914

Ion Ratio Lower Upper

117 100

82 55.1 40.4 60.6

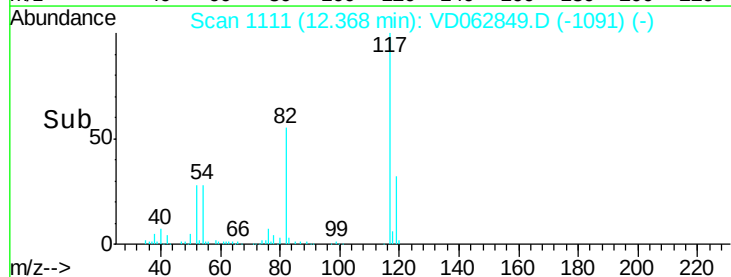
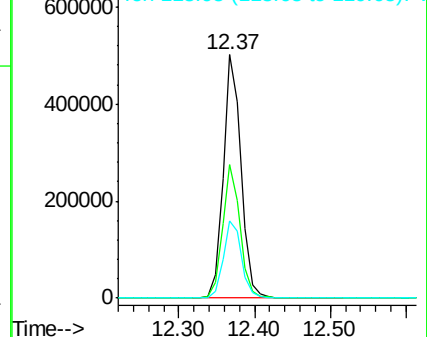
119 31.9 25.2 37.8

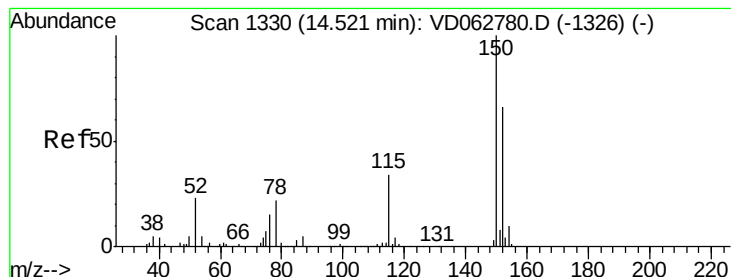


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. 0.00 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

B-5(9-10)

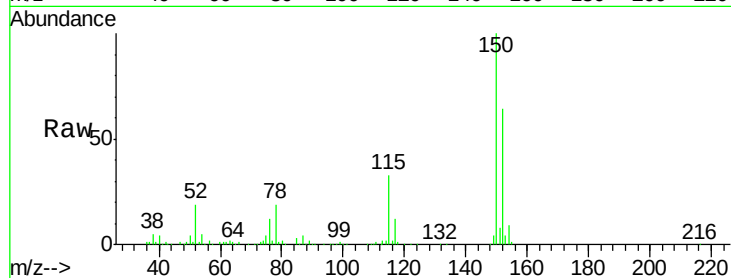
Tot Ion:152 Resp: 429426

Ion Ratio Lower Upper

152 100

115 51.8 29.2 87.6

150 156.1 0.0 305.8



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

