

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063337.D
 Acq On : 3 Aug 2019 2:22
 Operator : VA/AP
 Sample : K4130-15
 Misc : 6.18g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-L-(0-1)

Quant Time: Aug 04 04:58:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

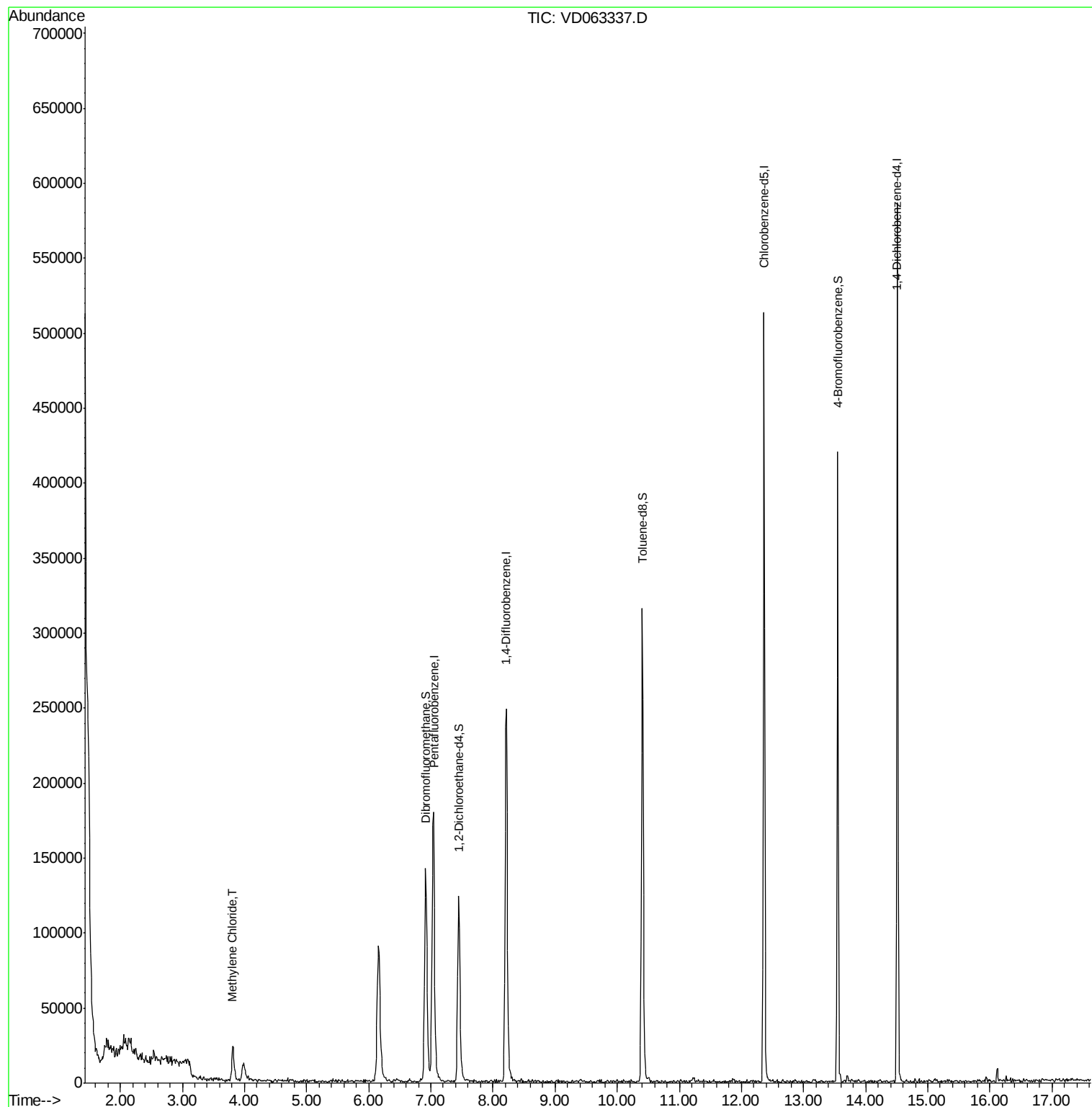
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	176541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	274888	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	266703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	130939	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	145432	74.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	148.48%	
35) Dibromofluoromethane	6.92	113	123159	52.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.96%	
50) Toluene-d8	10.40	98	238432	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.78%	
62) 4-Bromofluorobenzene	13.55	95	108594	45.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.74%	
Target Compounds						
20) Methylene Chloride	3.81	84	11671	7.565	ug/l #	Qvalue 86

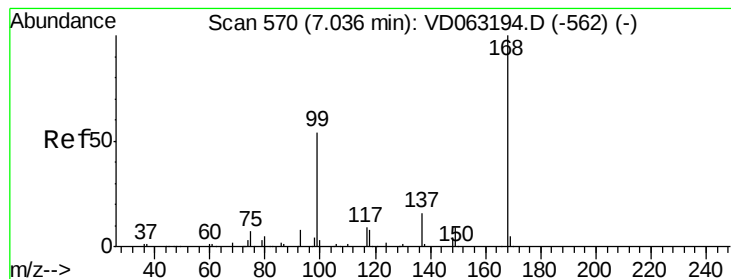
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

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ClientSampleId :

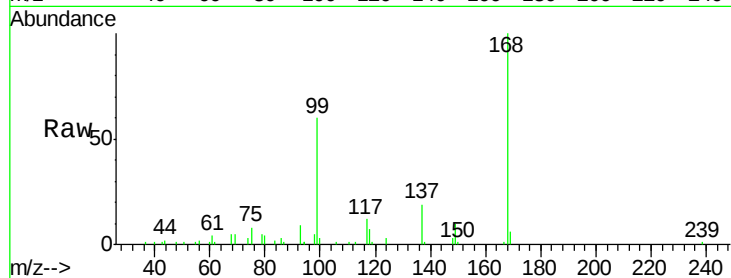
1S-L-(0-1)

Tot Ion:168 Resp: 176541

Ion Ratio Lower Upper

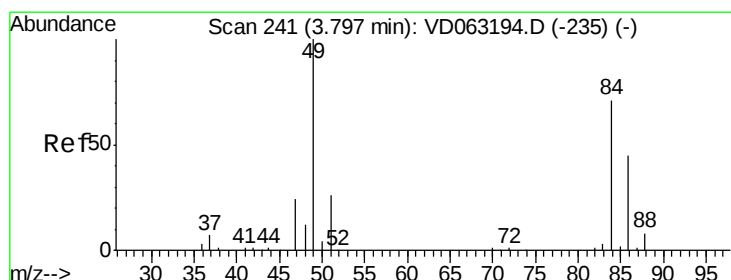
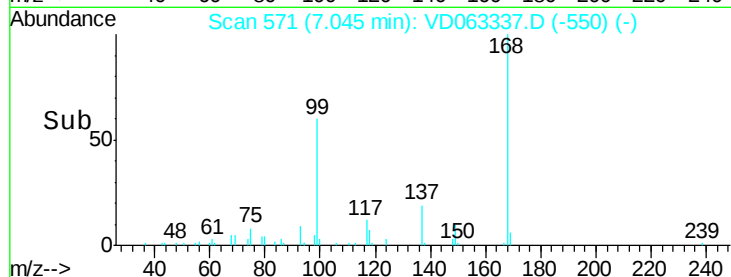
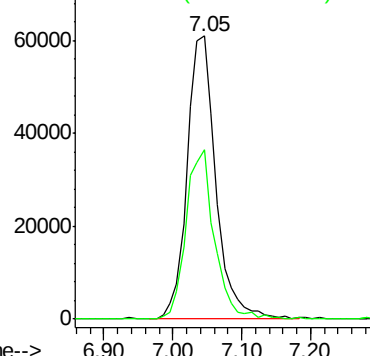
168 100

99 59.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 7.565 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063337.D

Acq: 3 Aug 2019 2:22

Tgt Ion: 84 Resp: 11671

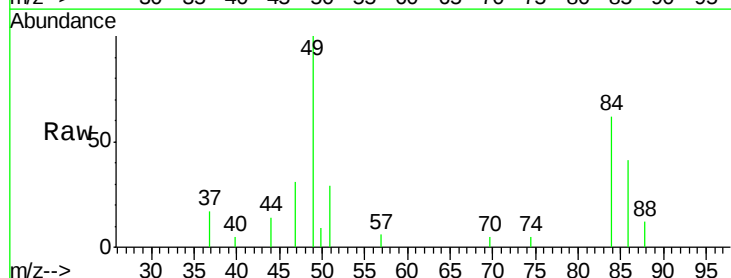
Ion Ratio Lower Upper

84 100

49 161.8 112.5 168.7

51 46.1 29.6 44.4#

86 67.0 50.4 75.6

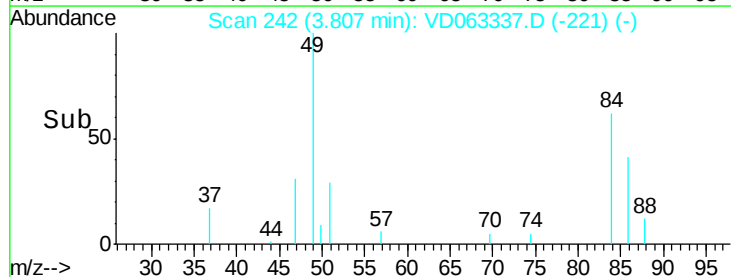
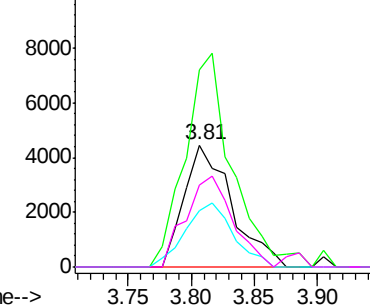


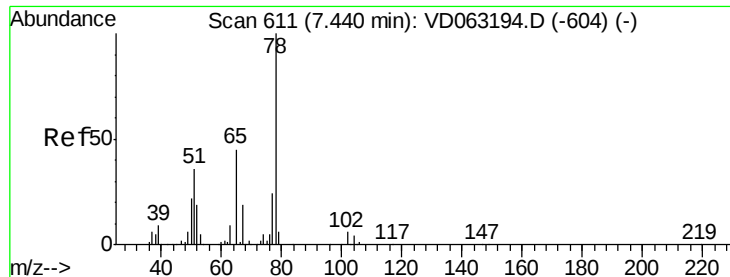
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 74.242 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063337.D

Acq: 3 Aug 2019 2:22

Instrument :

MSVOA_D

ClientSampleId :

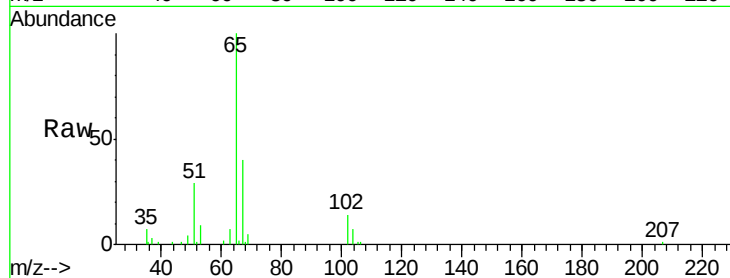
1S-L-(0-1)

Tot Ion: 65 Resp: 145432

Ion Ratio Lower Upper

65 100

67 39.7 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

60000

50000

40000

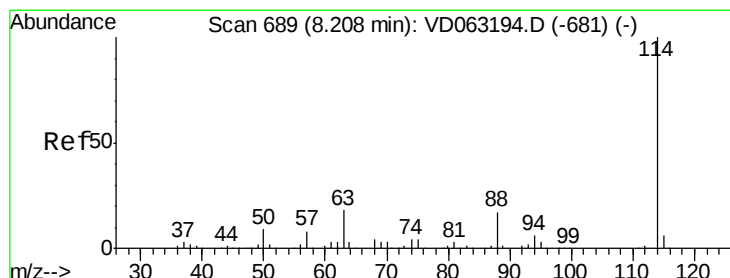
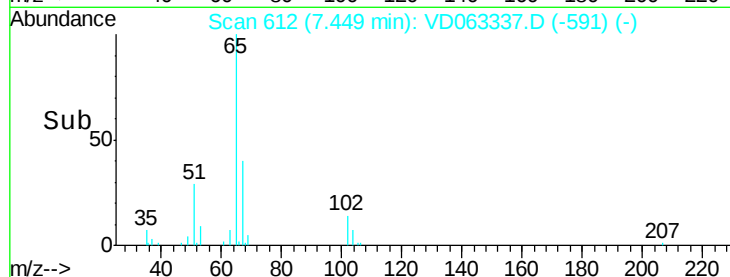
30000

20000

10000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063337.D

Acq: 3 Aug 2019 2:22

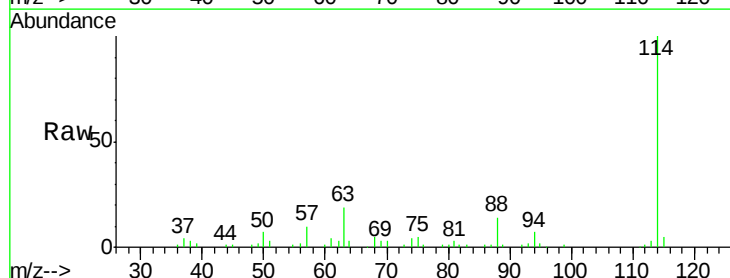
Tgt Ion: 114 Resp: 274888

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.2

88 14.4 0.0 34.6



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

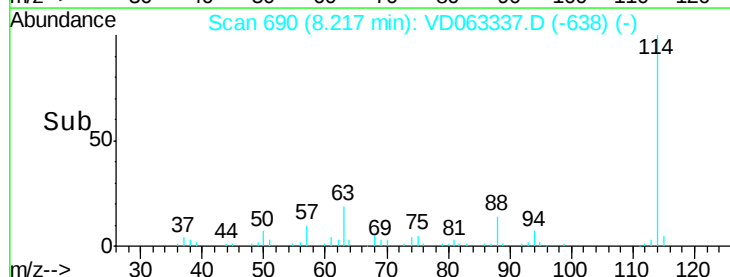
8.22

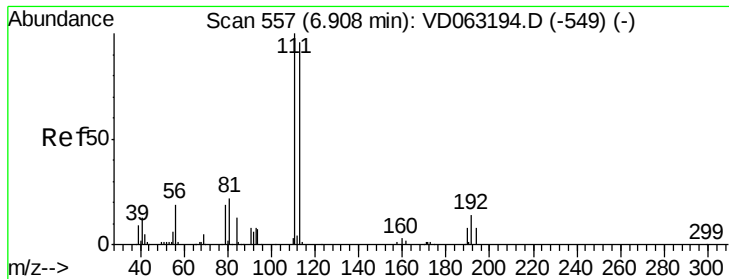
100000

50000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 52.476 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063337.D

Acq: 3 Aug 2019 2:22

Instrument :

MSVOA_D

ClientSampleId :

1S-L-(0-1)

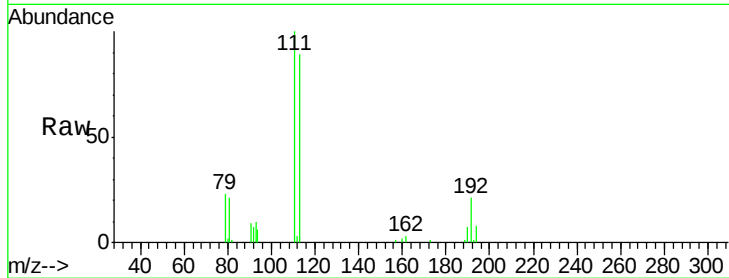
Tot Ion:113 Resp: 123159

Ion Ratio Lower Upper

113 100

111 112.0 83.2 124.8

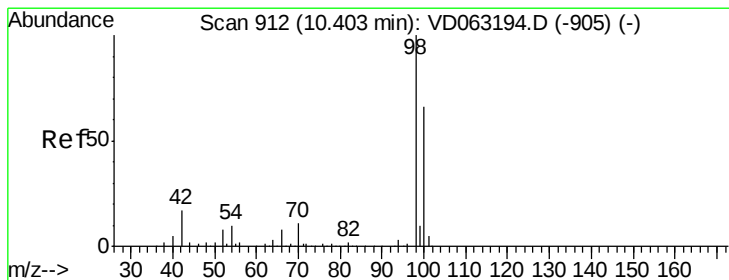
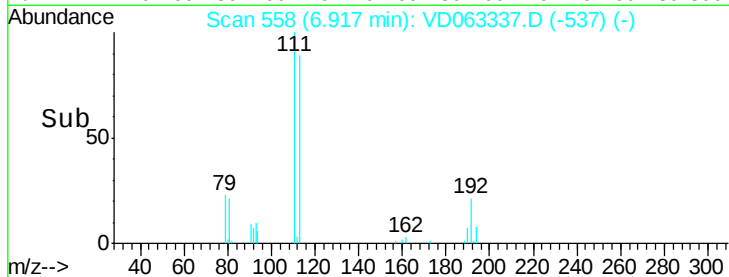
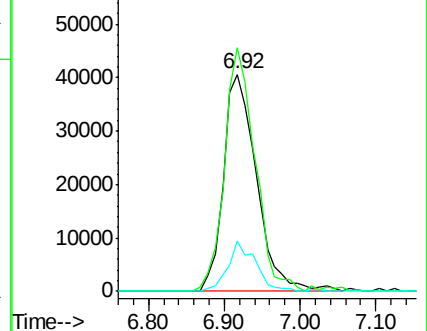
192 23.0 11.8 17.8#



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: 45.394 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063337.D

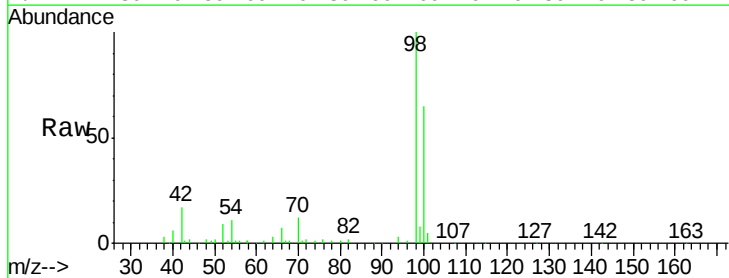
Acq: 3 Aug 2019 2:22

Tgt Ion: 98 Resp: 238432

Ion Ratio Lower Upper

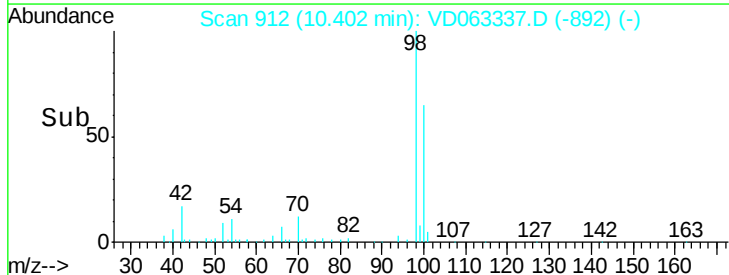
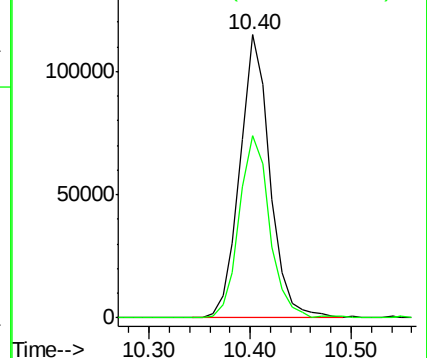
98 100

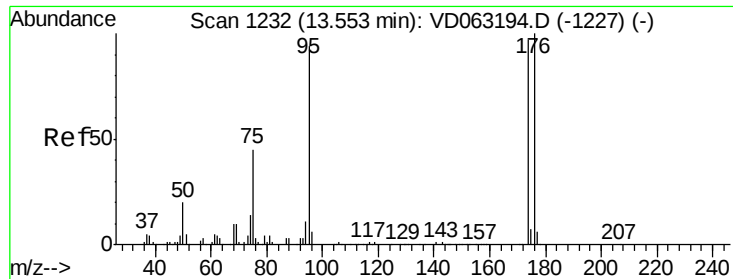
100 64.6 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 45.370 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063337.D

Acq: 3 Aug 2019 2:22

Instrument :

MSVOA_D

ClientSampleId :

1S-L-(0-1)

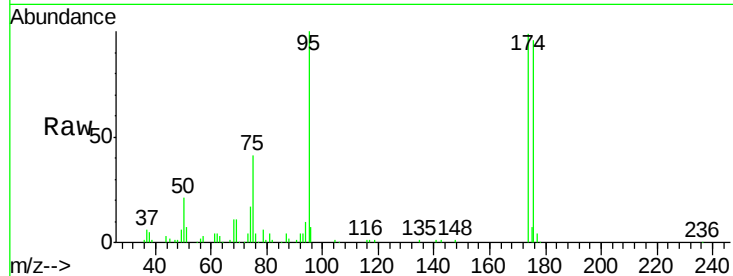
Tot Ion: 95 Resp: 108594

Ion Ratio Lower Upper

95 100

174 98.5 0.0 205.4

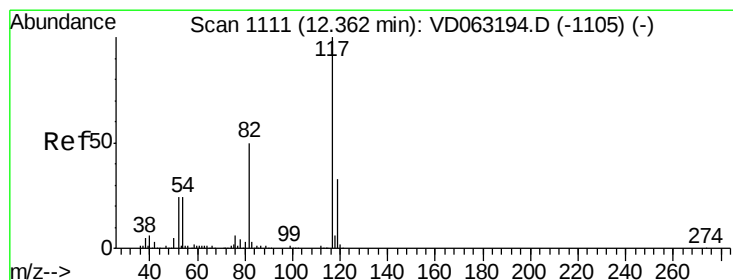
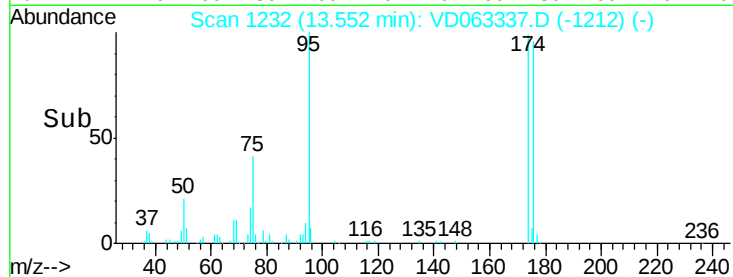
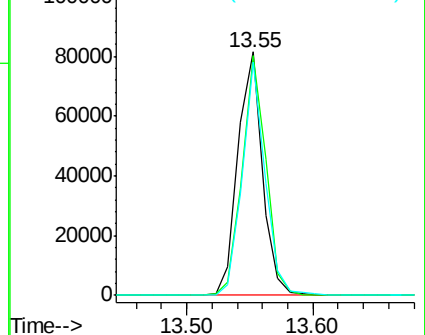
176 95.8 0.0 211.8



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. -0.00 min

Lab File: VD063337.D

Acq: 3 Aug 2019 2:22

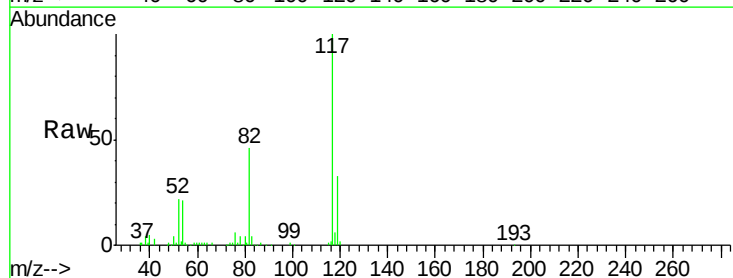
Tgt Ion: 117 Resp: 266703

Ion Ratio Lower Upper

117 100

82 46.0 40.1 60.1

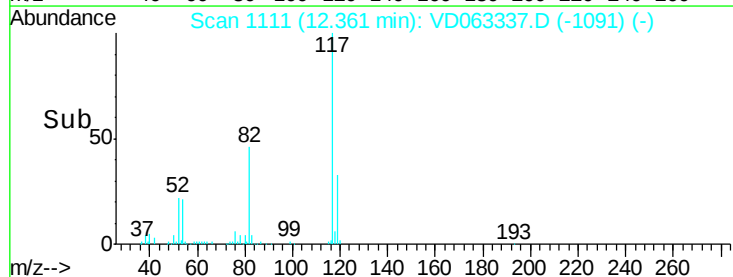
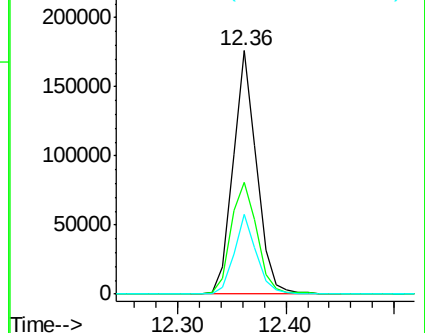
119 32.9 26.5 39.7

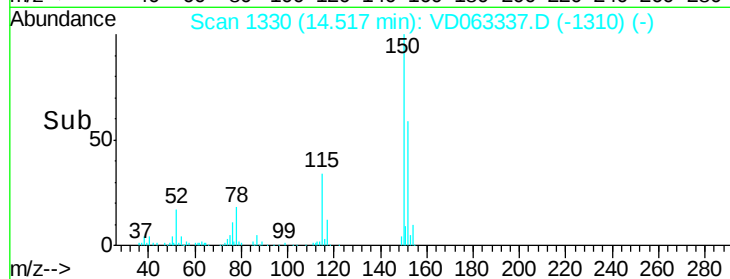
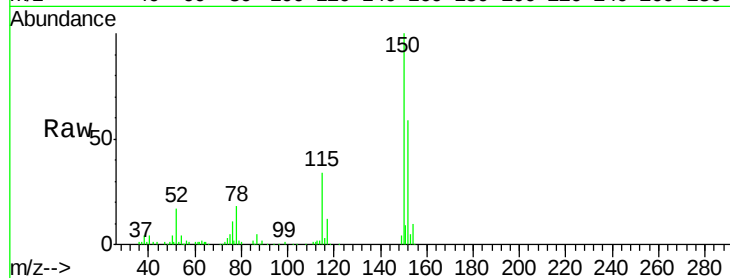
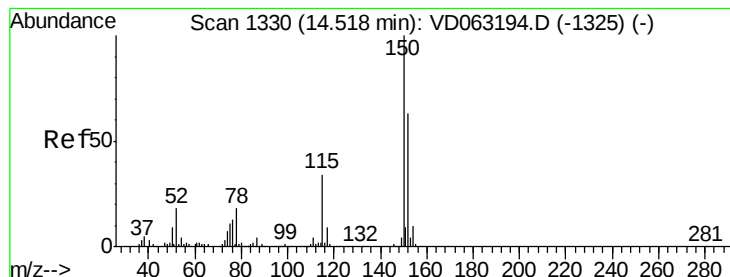


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063337.D

Acq: 3 Aug 2019 2:22

Instrument :

MSVOA_D

ClientSampleId :

1S-L-(0-1)

Tot Ion:152 Resp: 130939

Ion Ratio Lower Upper

152 100

115 57.1 27.5 82.4

150 169.3 0.0 320.6

