

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080319\
 Data File : VD063361.D
 Acq On : 3 Aug 2019 15:08
 Operator : VA/AP
 Sample : K4136-07
 Misc : 5.27g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C1-(30)

Quant Time: Aug 04 06:28:27 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

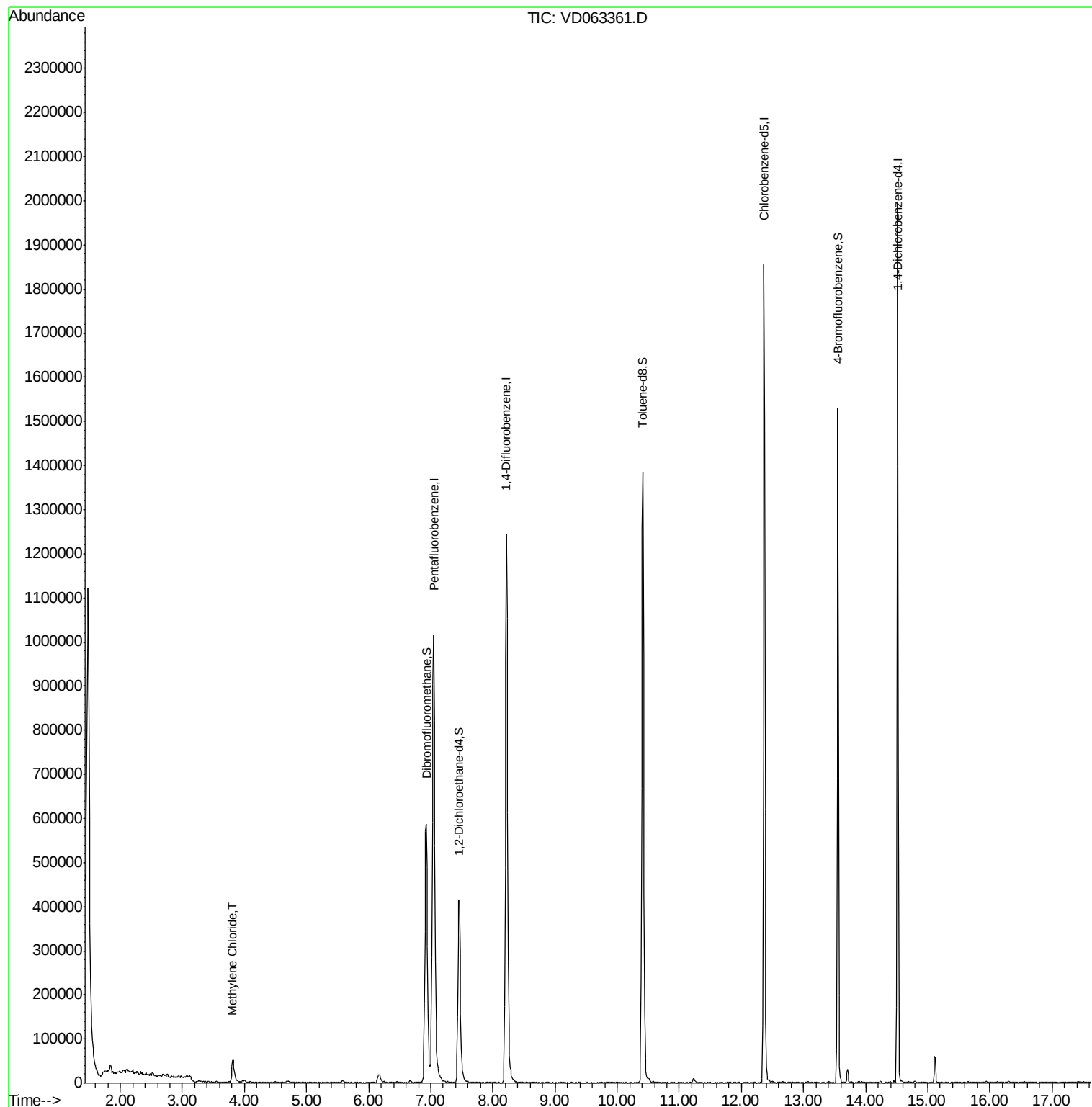
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	981640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1303463	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	977657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	439028	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	498225	45.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.48%	
35) Dibromofluoromethane	6.93	113	531943	47.80	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.60%	
50) Toluene-d8	10.41	98	1123121	45.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.18%	
62) 4-Bromofluorobenzene	13.55	95	394751	34.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.56%	
Target Compounds						
20) Methylene Chloride	3.81	84	32485	3.787	ug/l #	90

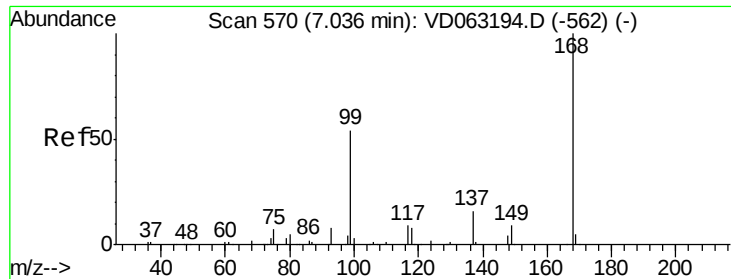
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063361.D

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MSVOA_D

ClientSampleId :

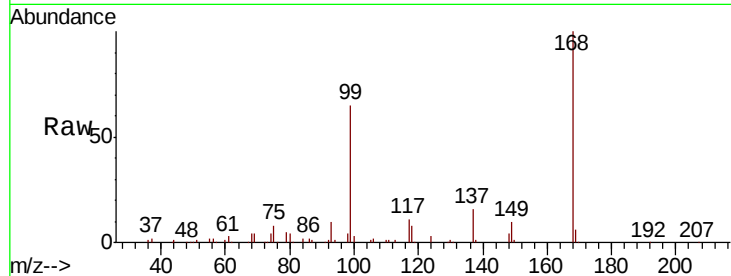
1S-C1-(30)

Tot Ion:168 Resp: 981640

Ion Ratio Lower Upper

168 100

99 64.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

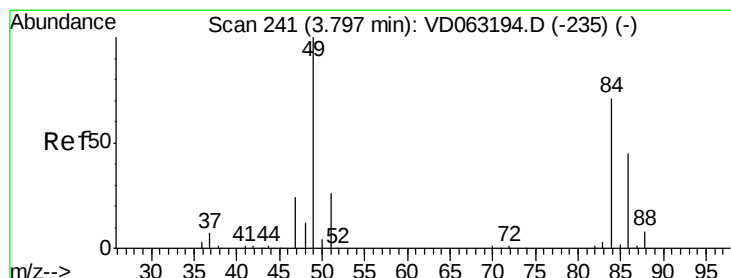
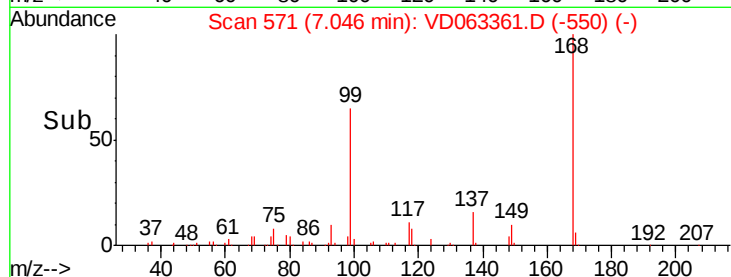
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 3.787 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063361.D

Acq: 3 Aug 2019 15:08

Tgt Ion: 84 Resp: 32485

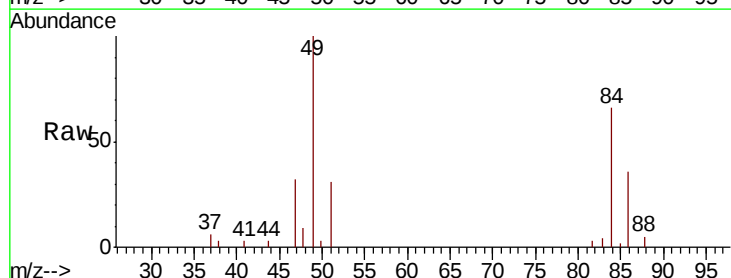
Ion Ratio Lower Upper

84 100

49 151.2 112.5 168.7

51 46.4 29.6 44.4#

86 54.5 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

25000

20000

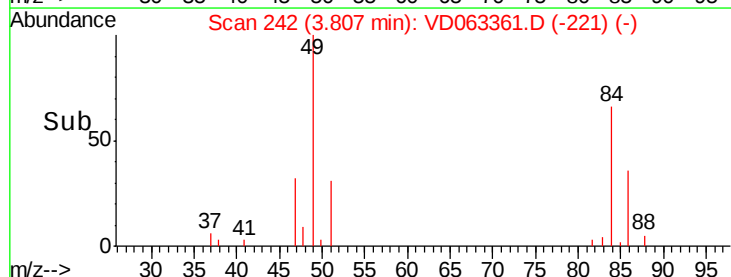
15000

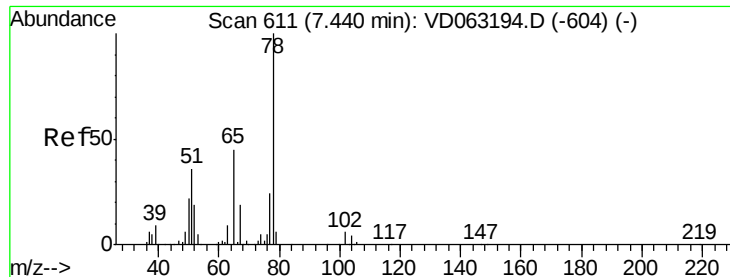
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 45.741 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063361.D

Acq: 3 Aug 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

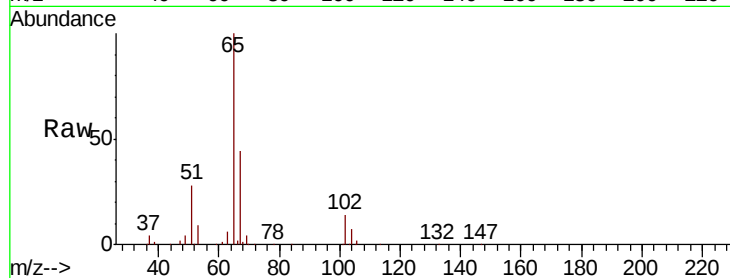
1S-C1-(30)

Tot Ion: 65 Resp: 498225

Ion Ratio Lower Upper

65 100

67 43.7 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

200000

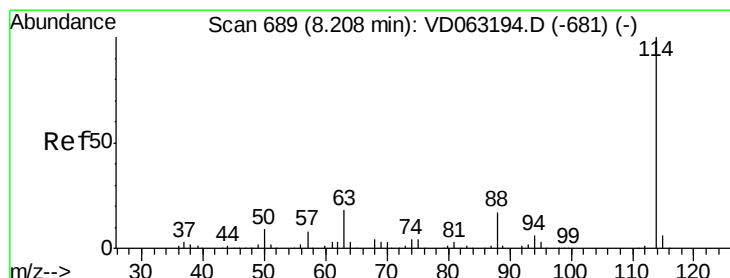
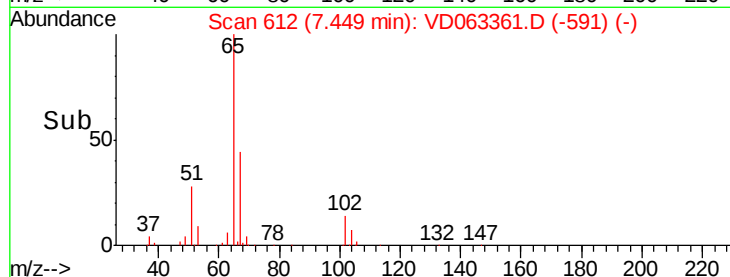
150000

100000

50000

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: VD063361.D

Acq: 3 Aug 2019 15:08

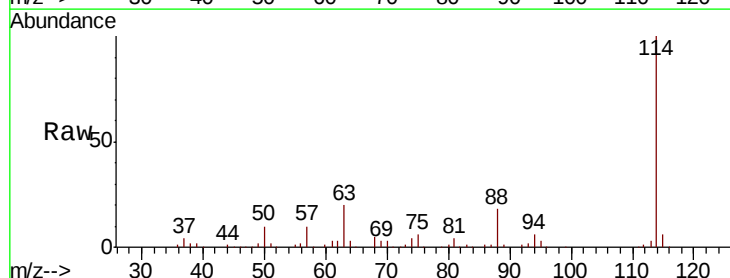
Tgt Ion: 114 Resp: 1303463

Ion Ratio Lower Upper

114 100

63 20.1 0.0 35.2

88 18.5 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

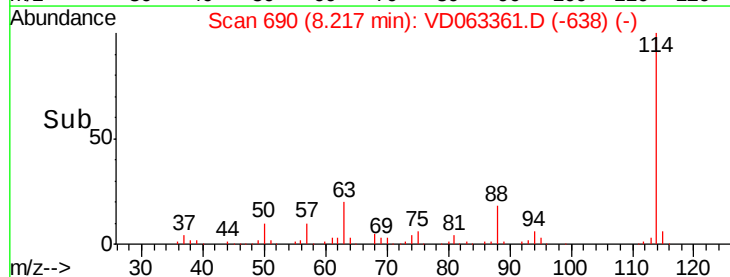
600000

400000

200000

0

Time--> 8.20 8.40

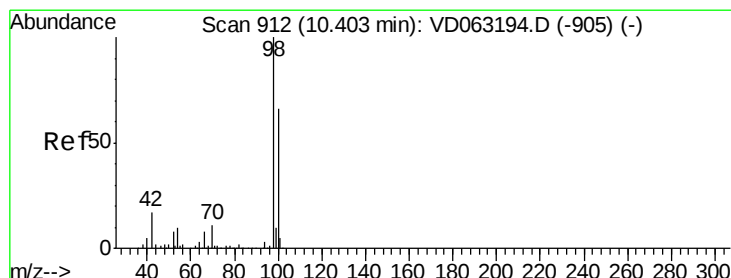
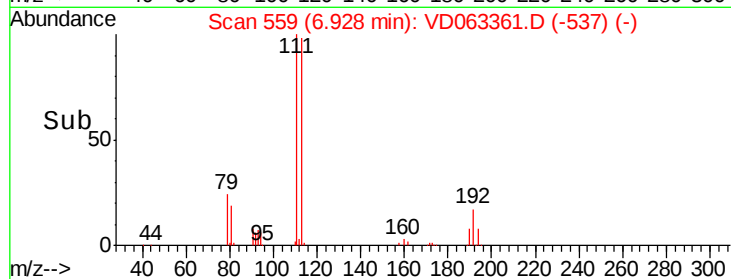
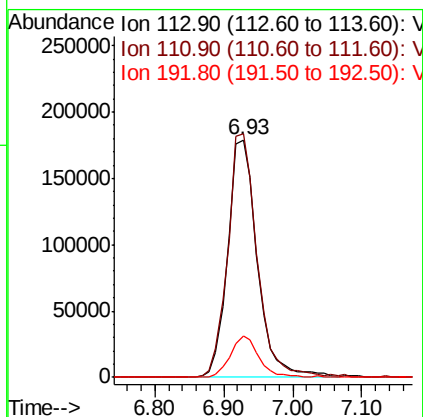
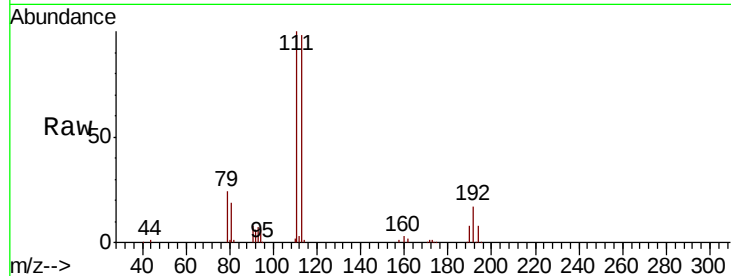




#35
 Dibromofluoromethane
 Concen: 47.799 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063361.D
 Acq: 3 Aug 2019 15:08

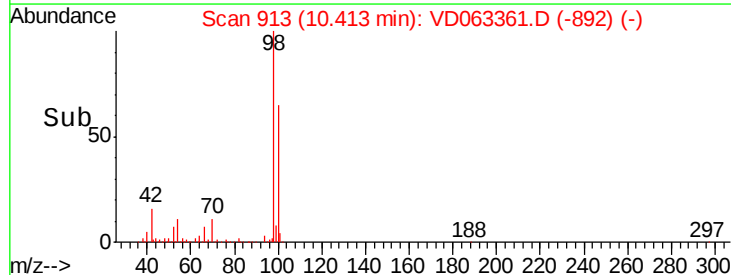
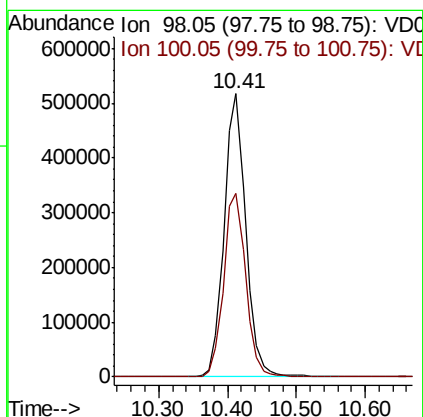
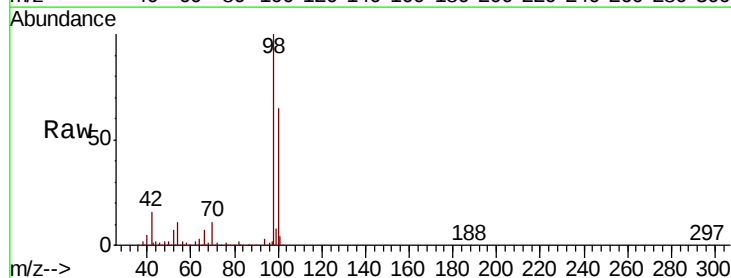
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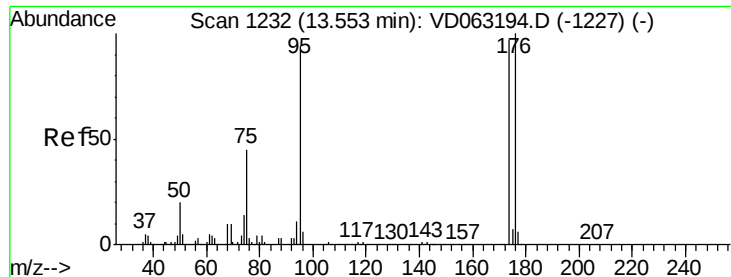
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.2	124.8
192	17.4	11.8	17.8



#50
 Toluene-d8
 Concen: 45.094 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD063361.D
 Acq: 3 Aug 2019 15:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.2	79.8





#62

4-Bromofluorobenzene

Concen: 34.781 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063361.D

Acq: 3 Aug 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

1S-C1-(30)

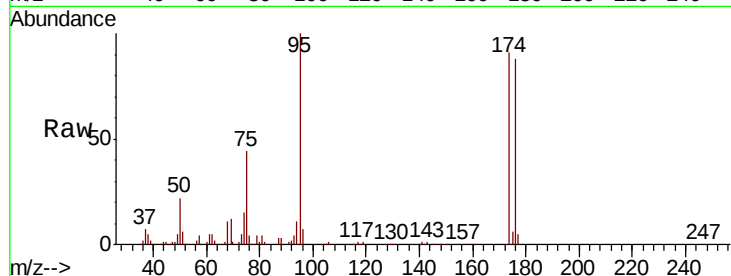
Tot Ion: 95 Resp: 394751

Ion Ratio Lower Upper

95 100

174 91.4 0.0 205.4

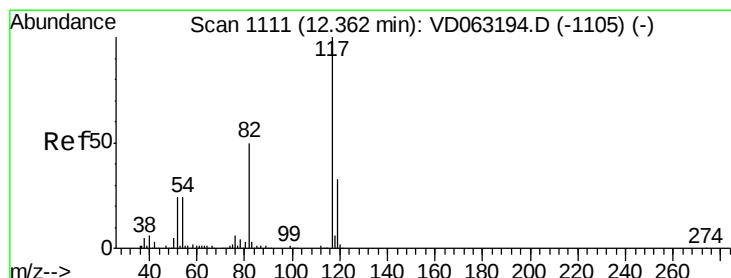
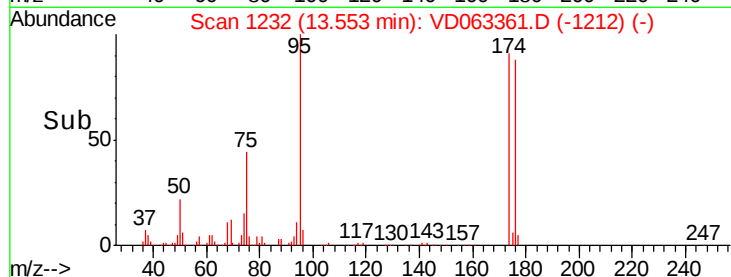
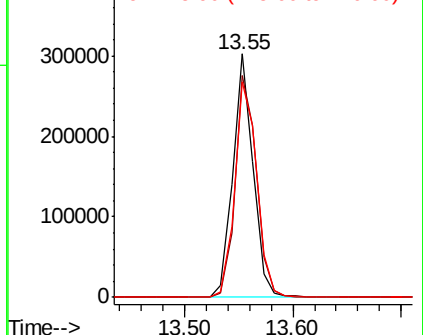
176 88.5 0.0 211.8



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: VD063361.D

Acq: 3 Aug 2019 15:08

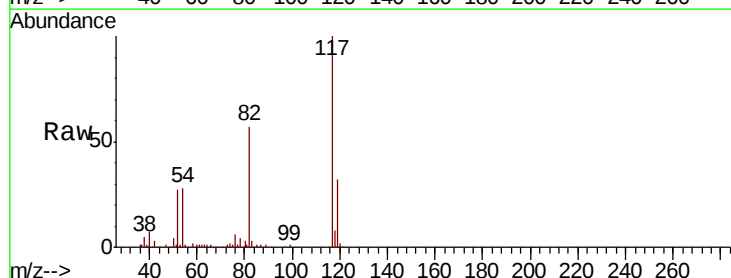
Tgt Ion: 117 Resp: 977657

Ion Ratio Lower Upper

117 100

82 56.9 40.1 60.1

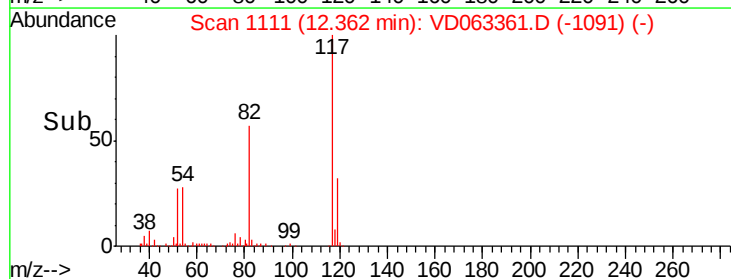
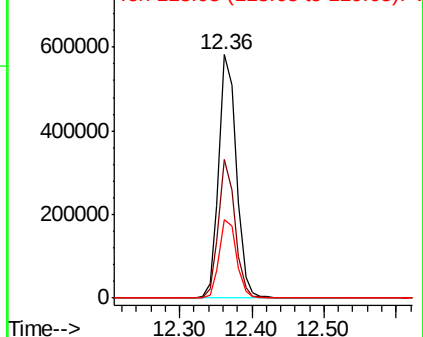
119 32.1 26.5 39.7

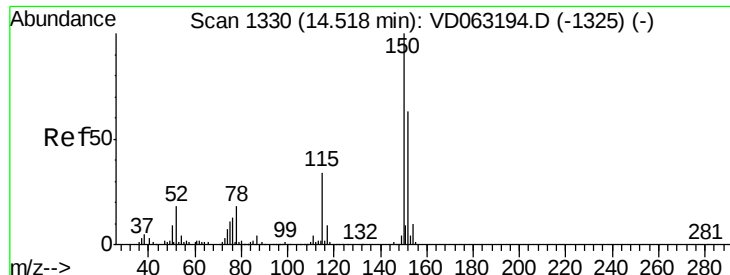


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063361.D

Acq: 3 Aug 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

1S-C1-(30)

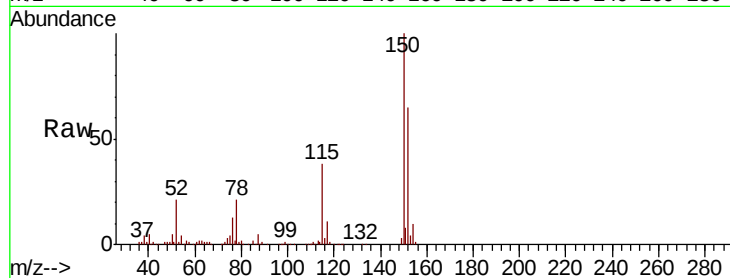
Tot Ion:152 Resp: 439028

Ion Ratio Lower Upper

152 100

115 59.4 27.5 82.4

150 154.9 0.0 320.6



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

