

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063327.D
 Acq On : 2 Aug 2019 20:02
 Operator : VA/AP
 Sample : K4130-09
 Misc : 5.19g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F3-(30)

Quant Time: Aug 04 04:38:16 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

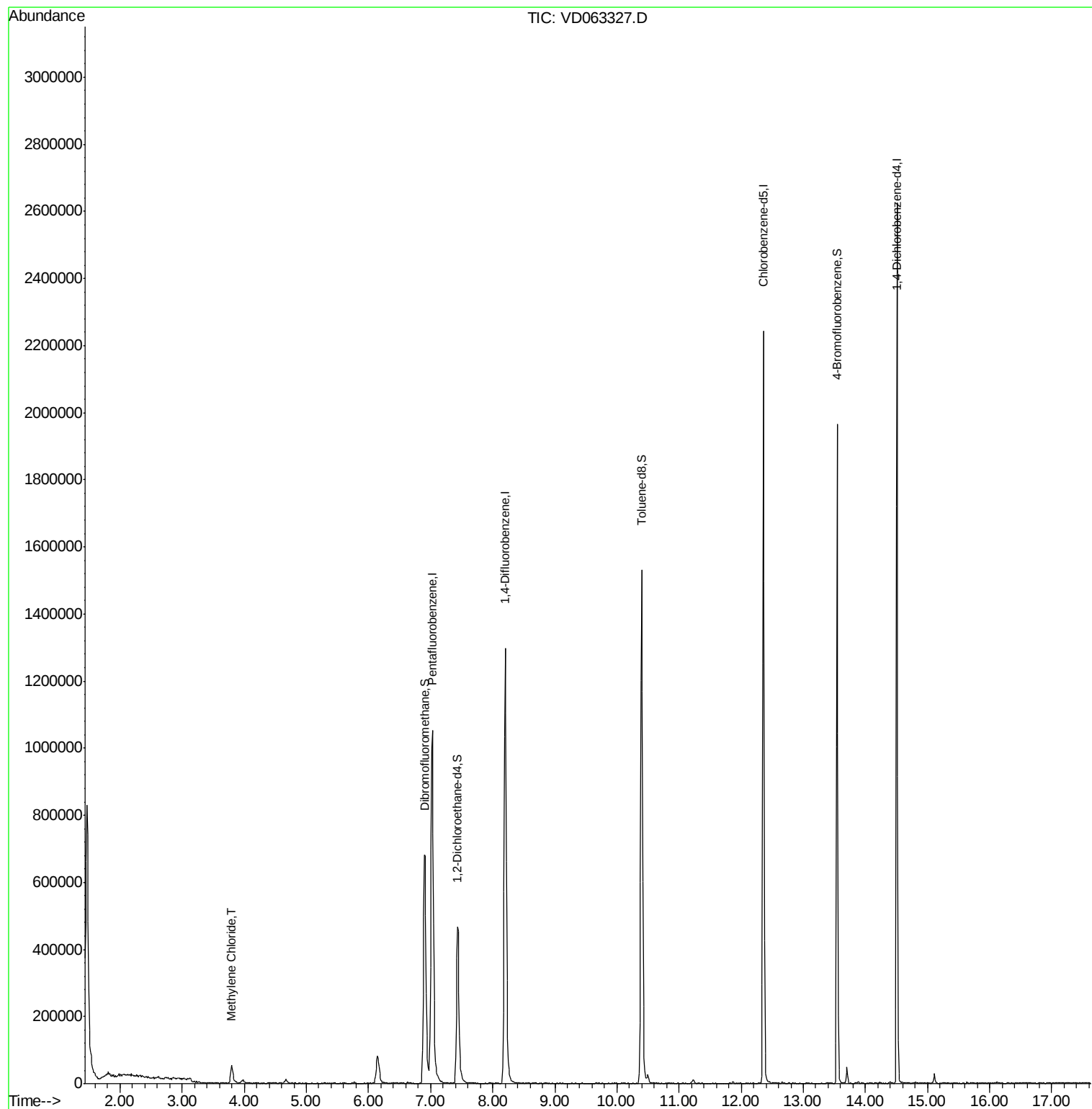
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1017663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1425106	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1151209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	547854	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	551765	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
35) Dibromofluoromethane	6.91	113	614737	50.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.04%	
50) Toluene-d8	10.40	98	1205700	44.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.56%	
62) 4-Bromofluorobenzene	13.55	95	507828	40.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.84%	
Target Compounds						
20) Methylene Chloride	3.80	84	31827	3.579	ug/l	Qvalue 91

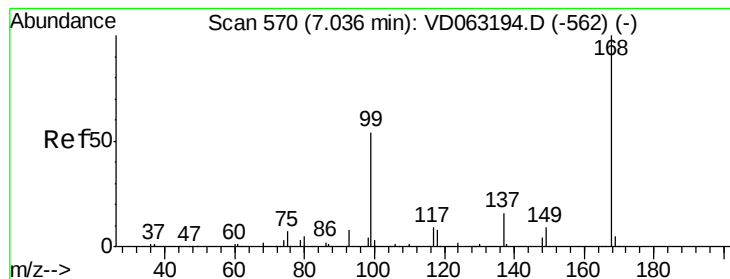
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

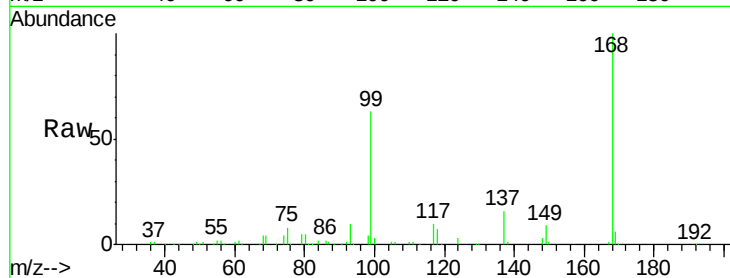
1S-F3-(30)

Tot Ion:168 Resp: 1017663

Ion Ratio Lower Upper

168 100

99 62.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

400000

300000

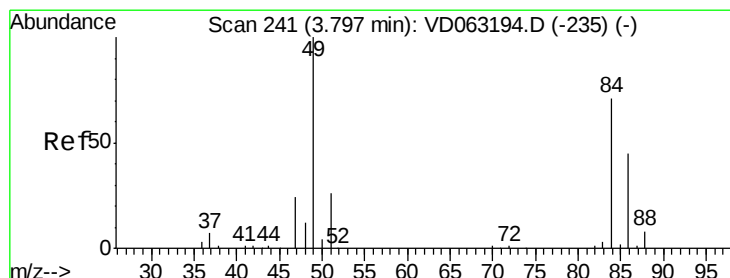
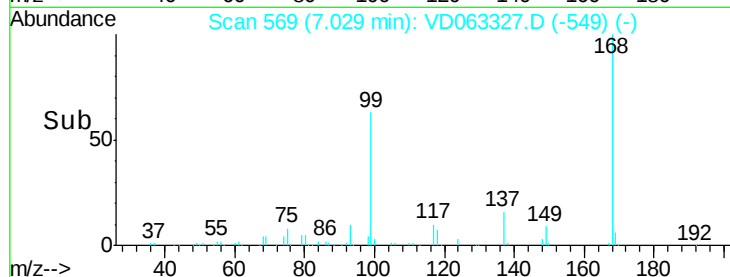
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#20

Methylene Chloride

Concen: 3.579 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

Tgt Ion: 84 Resp: 31827

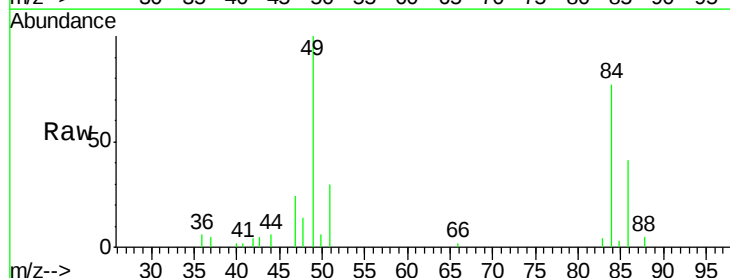
Ion Ratio Lower Upper

84 100

49 129.6 112.5 168.7

51 38.7 29.6 44.4

86 53.7 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

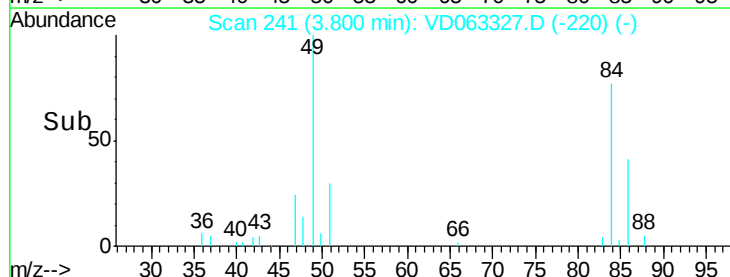
10000

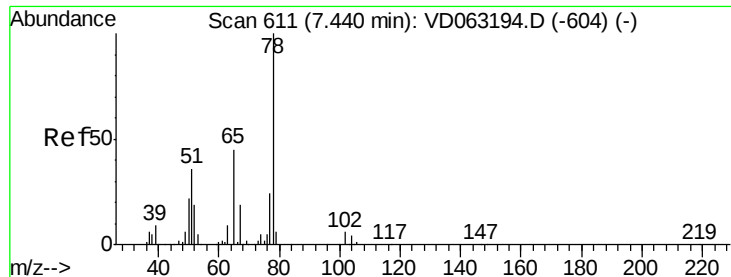
5000

0

3.70 3.80 3.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.864 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

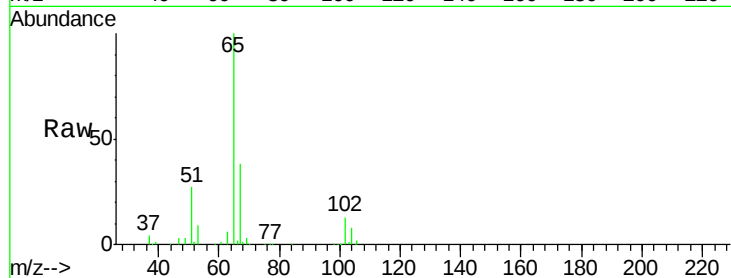
1S-F3-(30)

Tot Ion: 65 Resp: 551765

Ion Ratio Lower Upper

65 100

67 37.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

200000

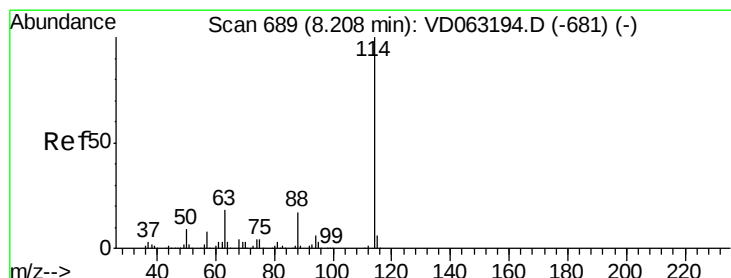
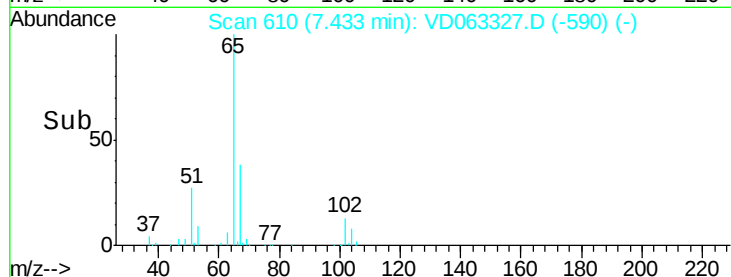
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

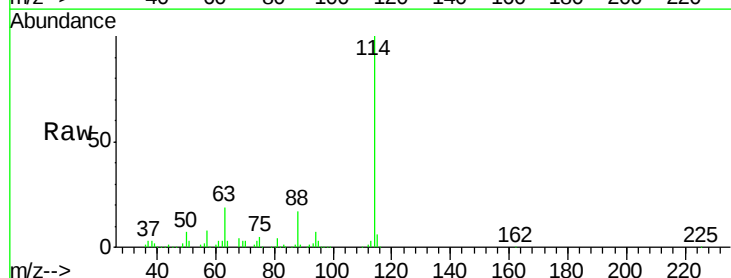
Tgt Ion: 114 Resp: 1425106

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.2

88 17.1 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

8.20

800000

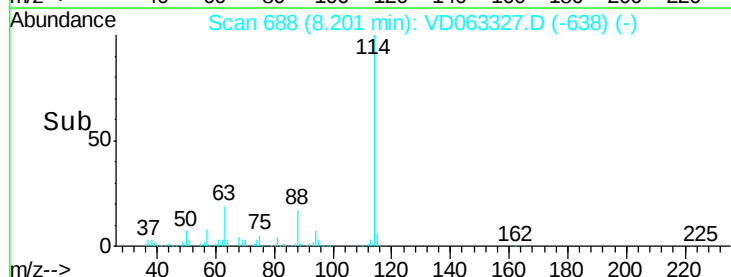
600000

400000

200000

0

Time--> 8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 50.523 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

1S-F3-(30)

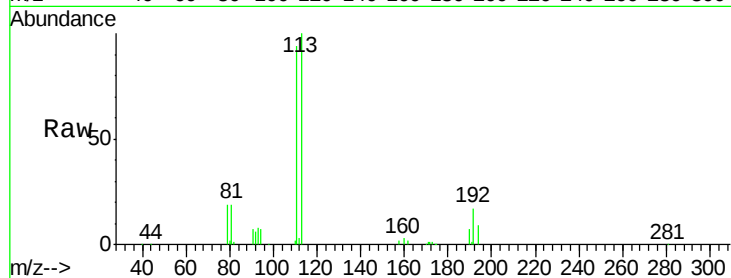
Tot Ion:113 Resp: 614737

Ion Ratio Lower Upper

113 100

111 94.0 83.2 124.8

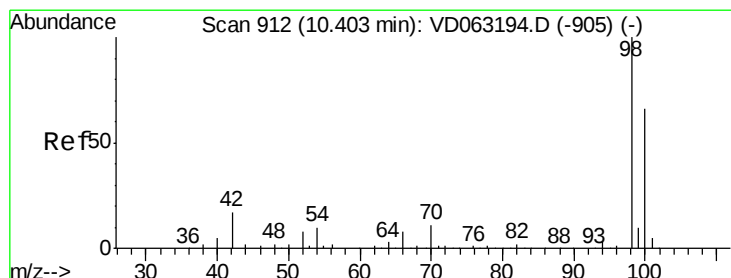
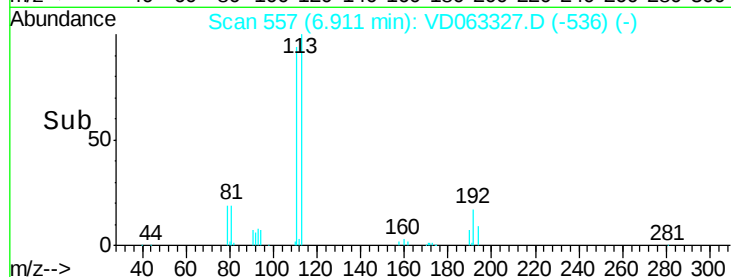
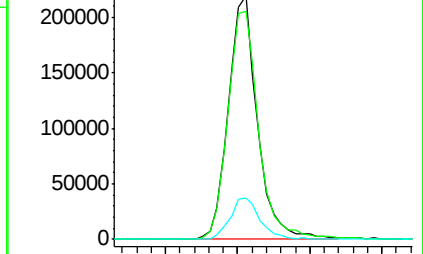
192 17.0 11.8 17.8



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: 44.278 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD063327.D

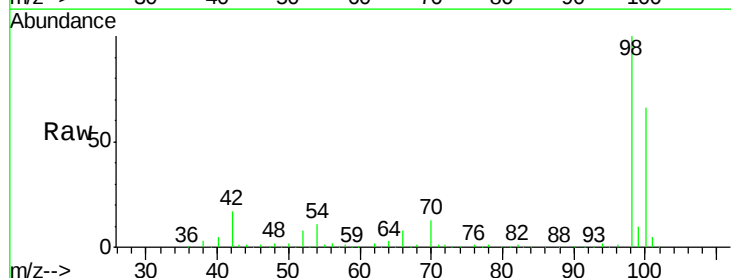
Acq: 2 Aug 2019 20:02

Tgt Ion: 98 Resp: 1205700

Ion Ratio Lower Upper

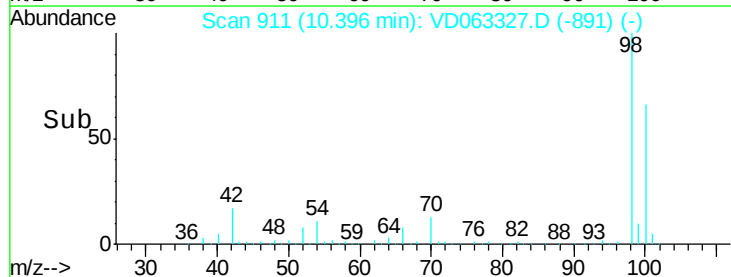
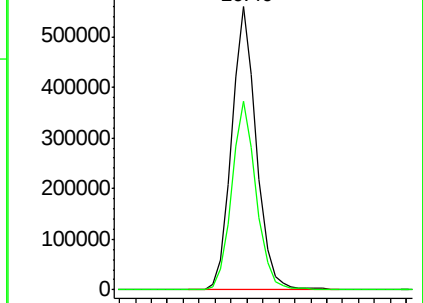
98 100

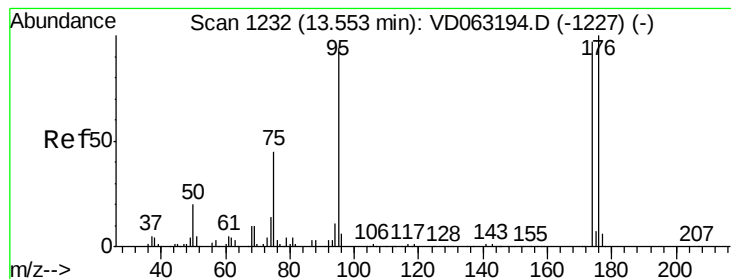
100 66.5 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 40.925 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

1S-F3-(30)

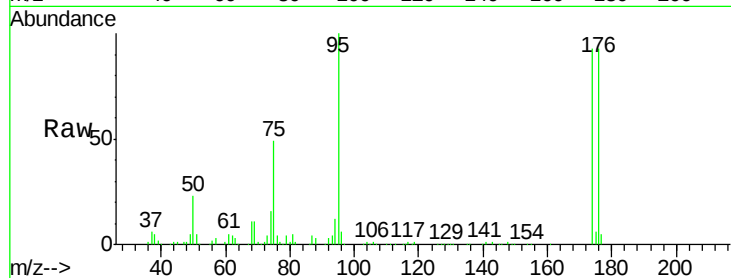
Tot Ion: 95 Resp: 507828

Ion Ratio Lower Upper

95 100

174 93.3 0.0 205.4

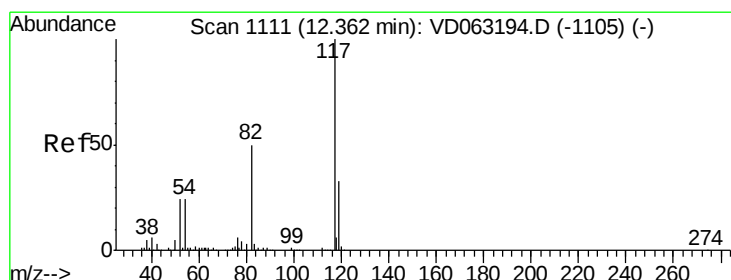
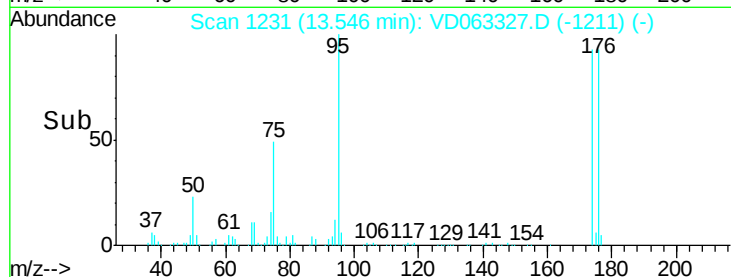
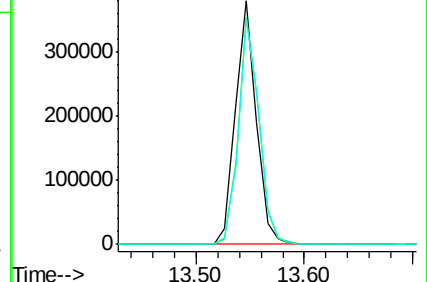
176 92.5 0.0 211.8



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: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

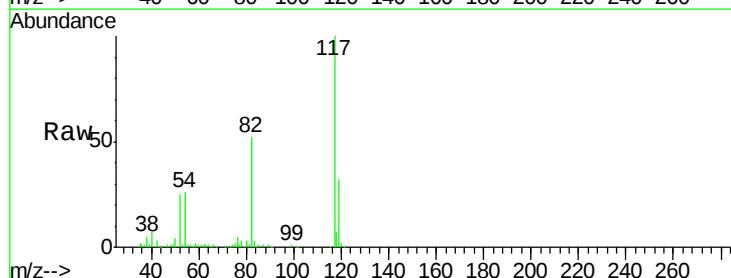
Tgt Ion: 117 Resp: 1151209

Ion Ratio Lower Upper

117 100

82 51.7 40.1 60.1

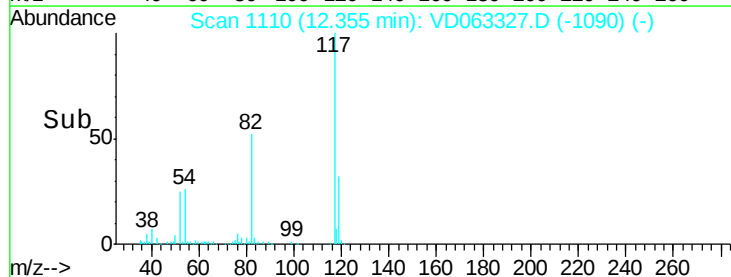
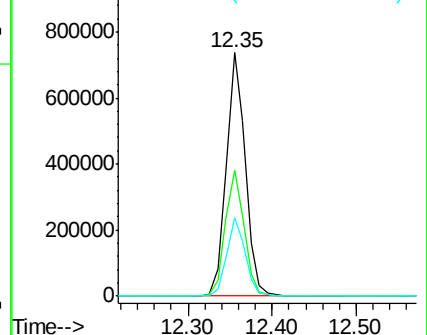
119 32.0 26.5 39.7

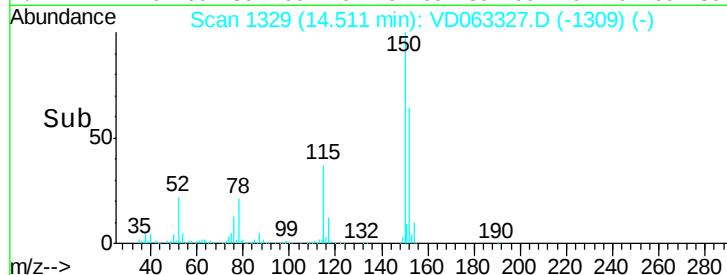
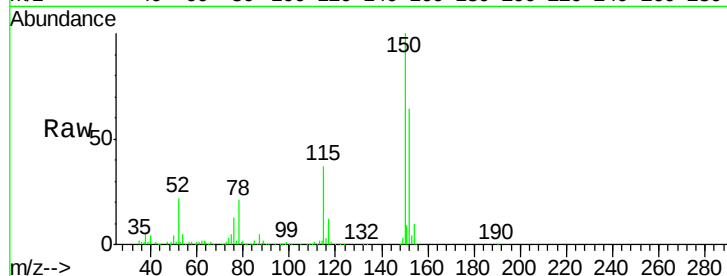
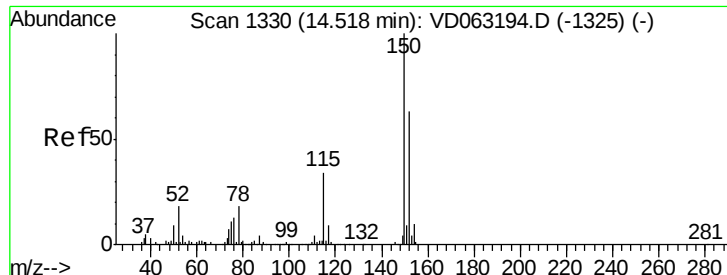


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD063327.D
 Acq: 2 Aug 2019 20:02

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F3-(30)

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.0	27.5	82.4
150	155.7	0.0	320.6

