

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080319\
 Data File : VD063364.D
 Acq On : 3 Aug 2019 16:29
 Operator : VA/AP
 Sample : K4136-10
 Misc : 5.39g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C4-(30)

Quant Time: Aug 04 06:38:56 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

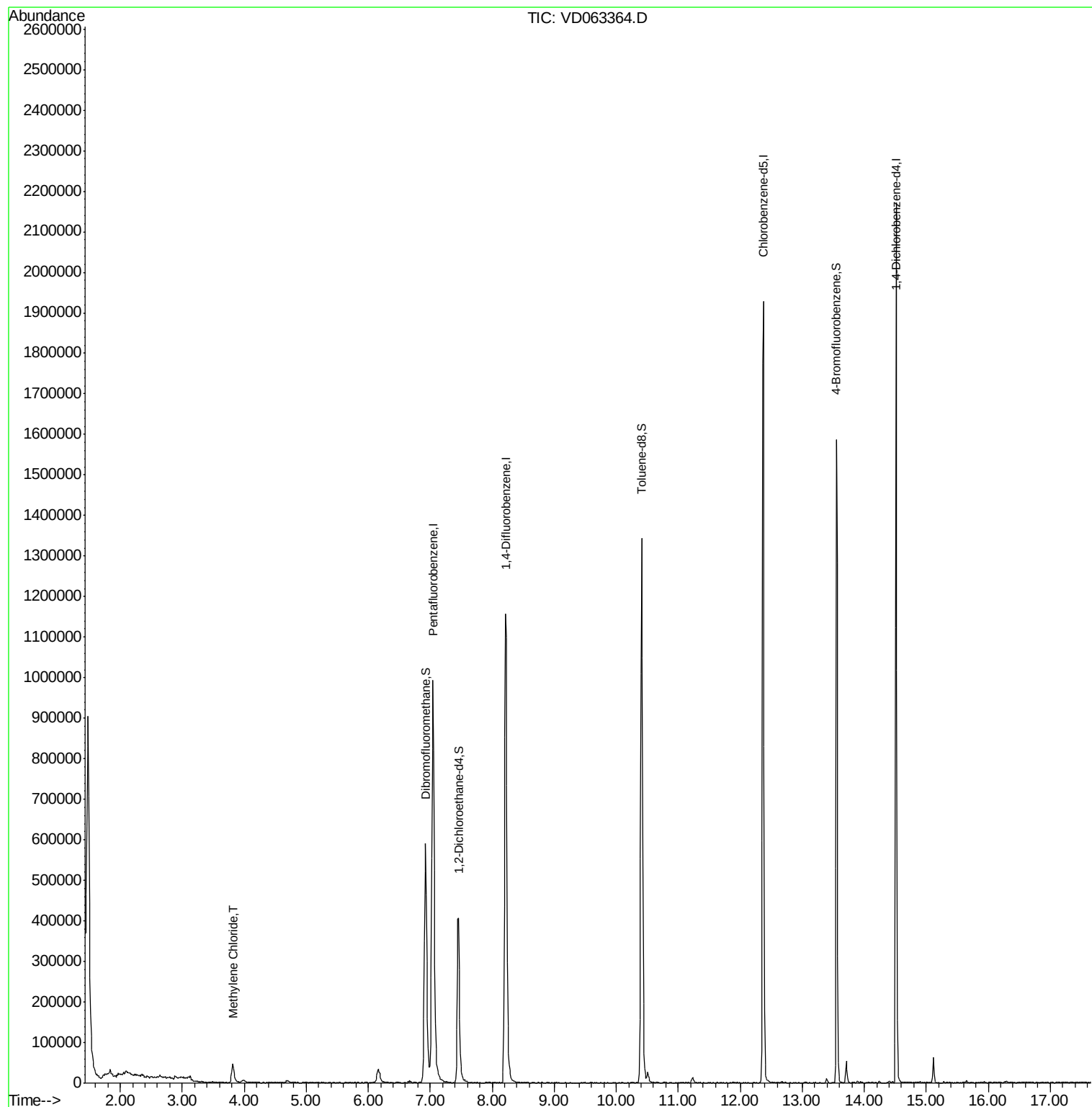
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	950402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1288667	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1064178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	452500	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	476441	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.36%	
35) Dibromofluoromethane	6.93	113	511265	46.47	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.94%	
50) Toluene-d8	10.41	98	1077305	43.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.50%	
62) 4-Bromofluorobenzene	13.55	95	442393	39.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.86%	
Target Compounds						
20) Methylene Chloride	3.81	84	29384	3.538	ug/l	Qvalue 92

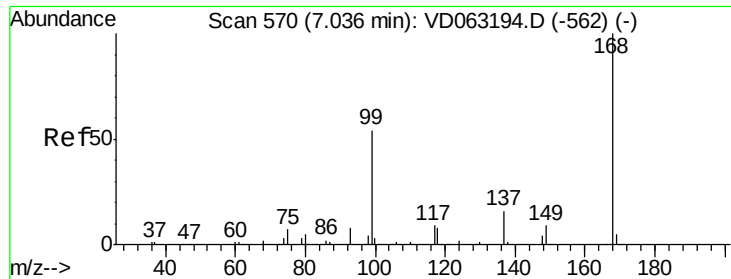
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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MSVOA_D

ClientSampleId :

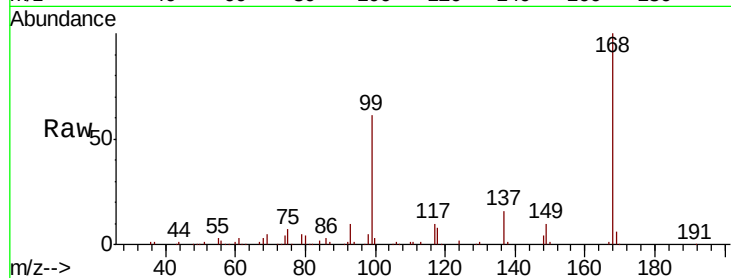
1S-C4-(30)

Tot Ion:168 Resp: 950402

Ion Ratio Lower Upper

168 100

99 61.4 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

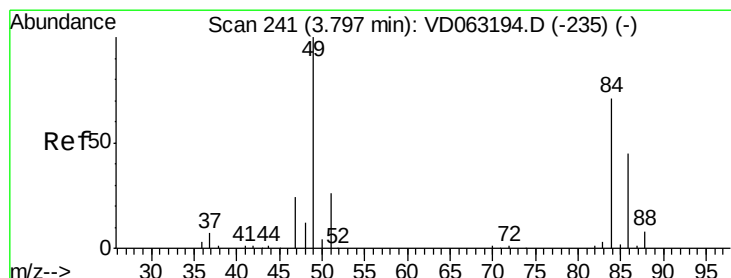
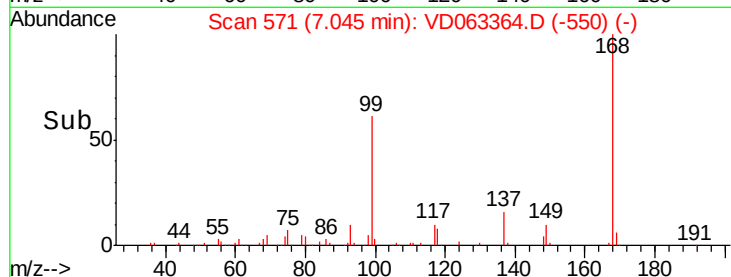
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#20

Methylene Chloride

Concen: 3.538 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063364.D

Acq: 3 Aug 2019 16:29

Tgt Ion: 84 Resp: 29384

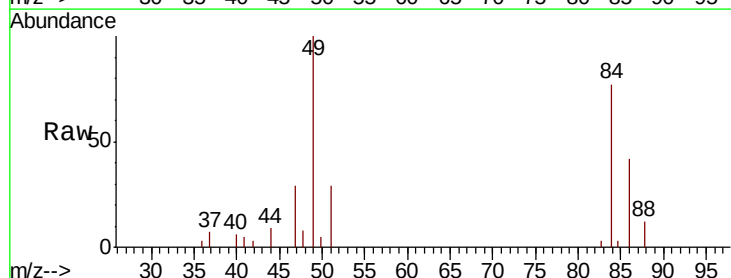
Ion Ratio Lower Upper

84 100

49 129.4 112.5 168.7

51 37.1 29.6 44.4

86 54.3 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

20000

15000

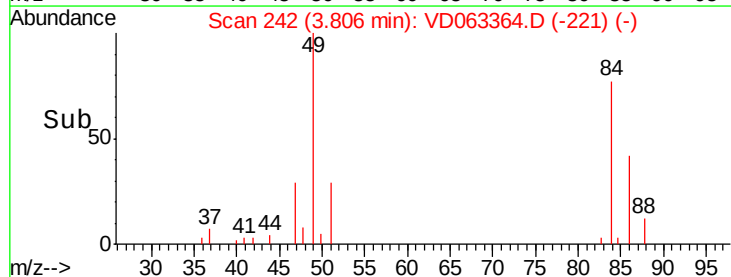
10000

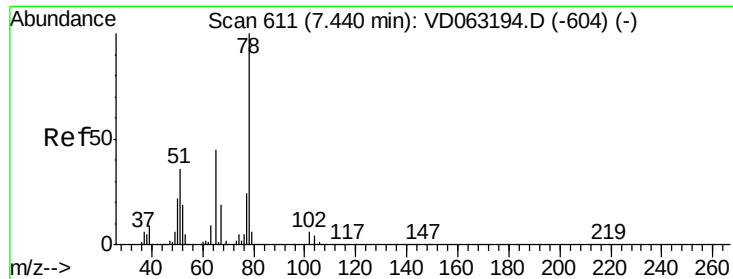
5000

0

3.70 3.80 3.90

Time-->

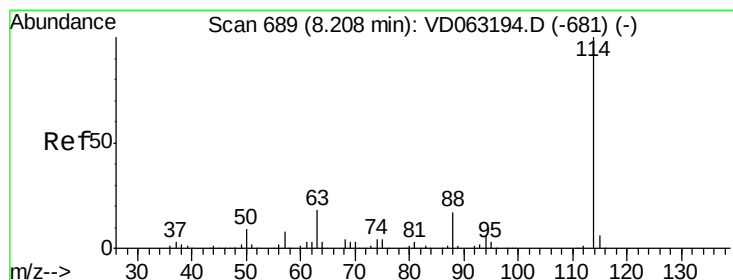
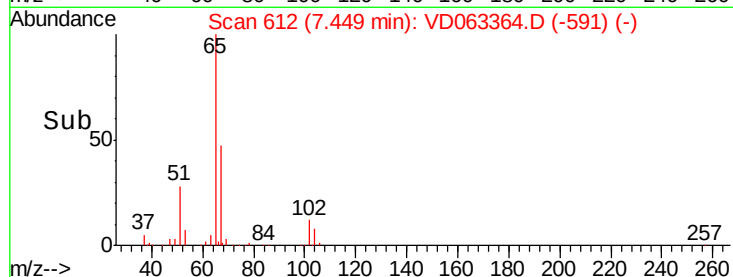
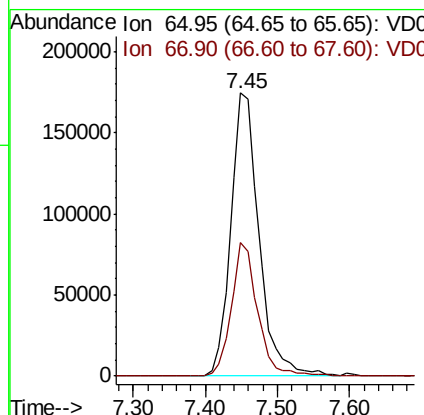
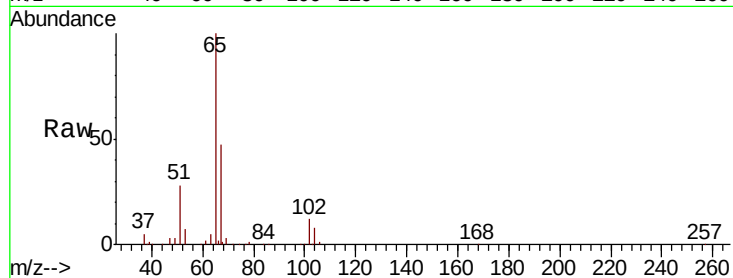




#33
 1,2-Dichloroethane-d4
 Concen: 45.179 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063364.D
 Acq: 3 Aug 2019 16:29

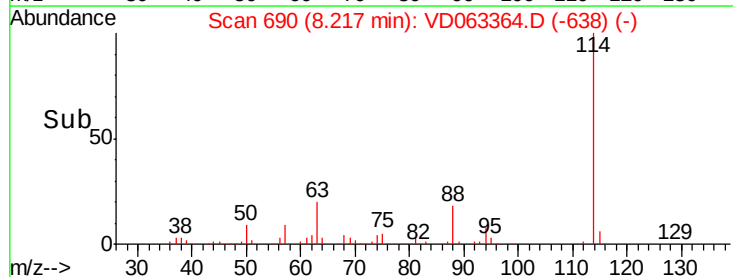
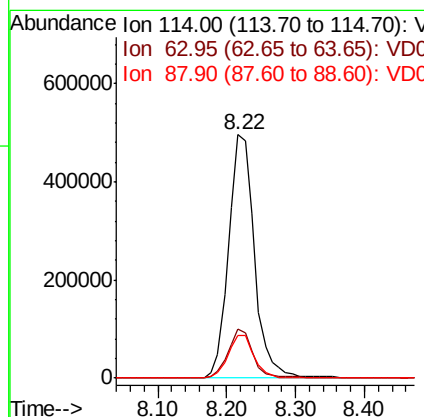
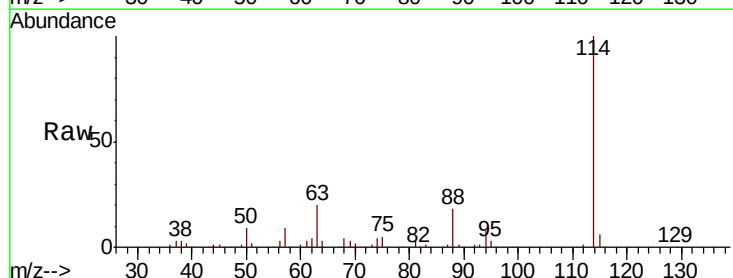
Instrument :
 MSVOA_D
 ClientSampleID :
 1S-C4-(30)

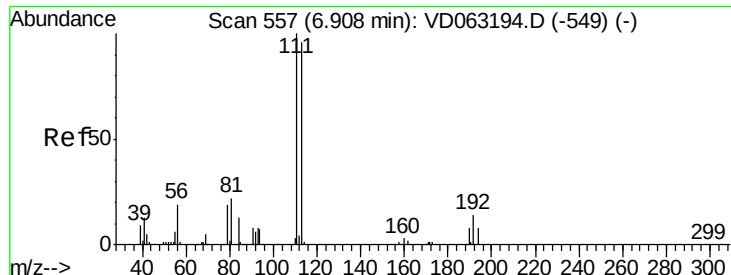
Tot Ion: 65 Resp: 476441
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063364.D
 Acq: 3 Aug 2019 16:29

Tgt Ion: 114 Resp: 1288667
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 35.2
 88 17.6 0.0 34.6





#35

Dibromofluoromethane

Concen: 46.468 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063364.D

Acq: 3 Aug 2019 16:29

Instrument :

MSVOA_D

ClientSampleId :

1S-C4-(30)

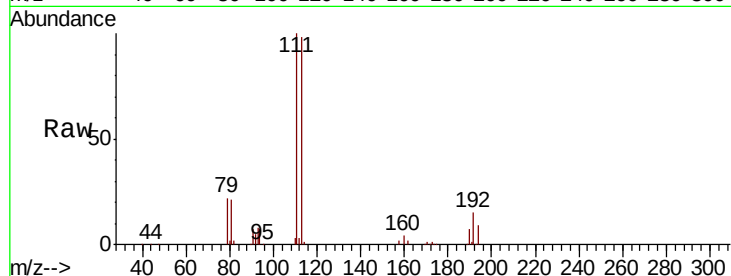
Tot Ion:113 Resp: 511265

Ion Ratio Lower Upper

113 100

111 102.5 83.2 124.8

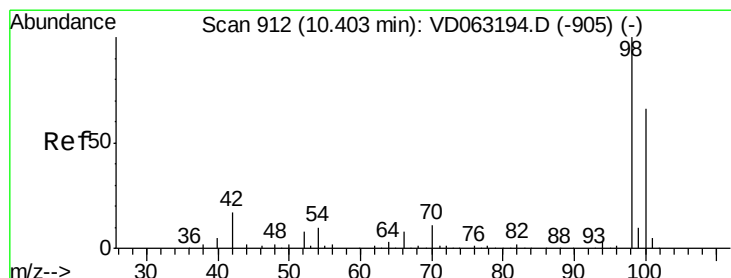
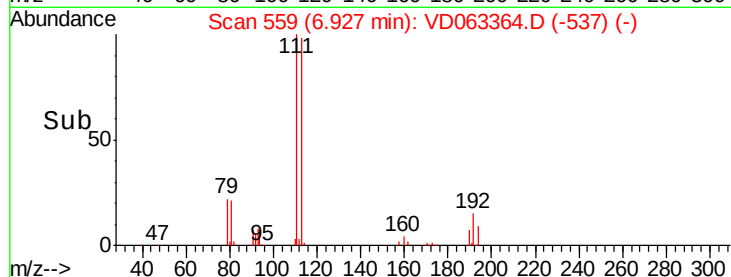
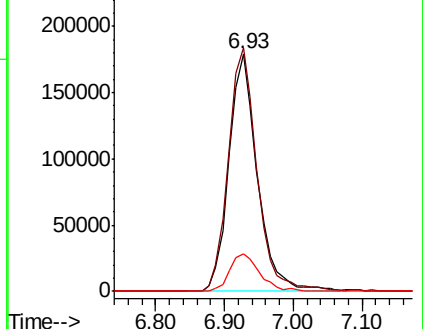
192 15.7 11.8 17.8



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: 43.751 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063364.D

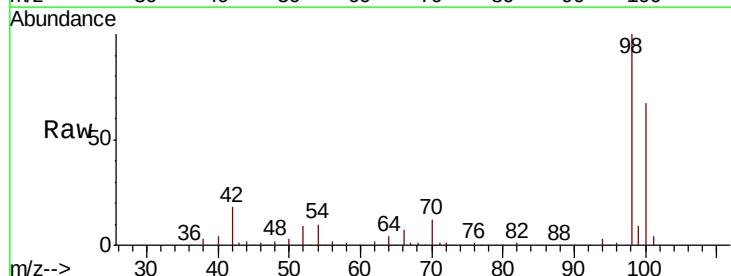
Acq: 3 Aug 2019 16:29

Tgt Ion: 98 Resp: 1077305

Ion Ratio Lower Upper

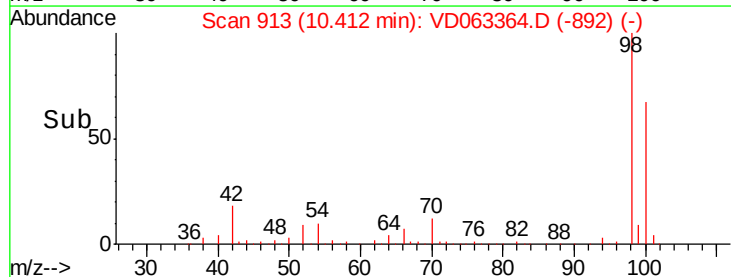
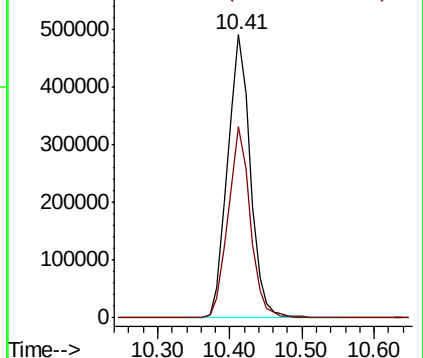
98 100

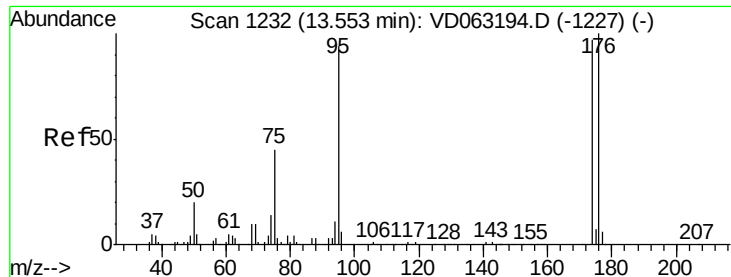
100 67.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 39.426 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063364.D

Acq: 3 Aug 2019 16:29

Instrument :

MSVOA_D

ClientSampleId :

1S-C4-(30)

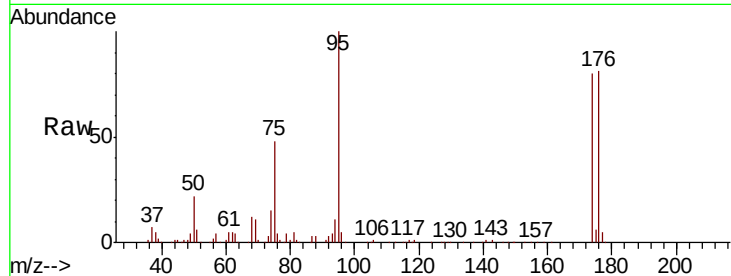
Tot Ion: 95 Resp: 442393

Ion Ratio Lower Upper

95 100

174 80.3 0.0 205.4

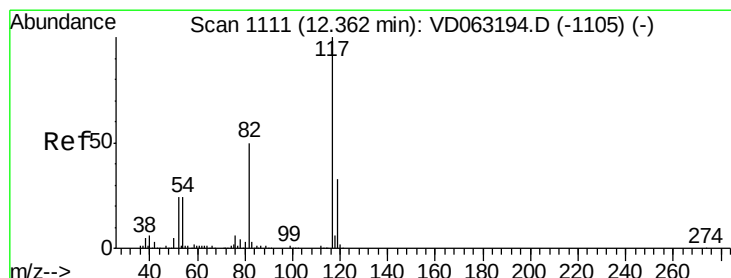
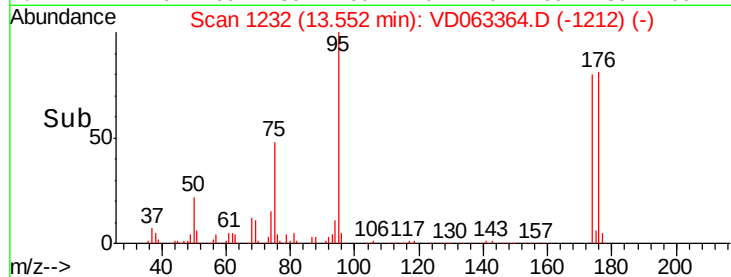
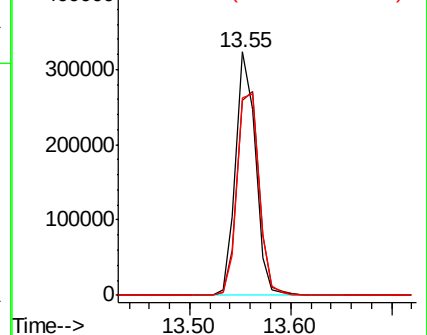
176 81.4 0.0 211.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063364.D

Acq: 3 Aug 2019 16:29

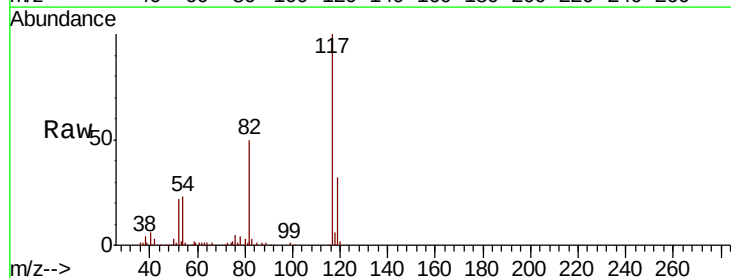
Tgt Ion: 117 Resp: 1064178

Ion Ratio Lower Upper

117 100

82 50.5 40.1 60.1

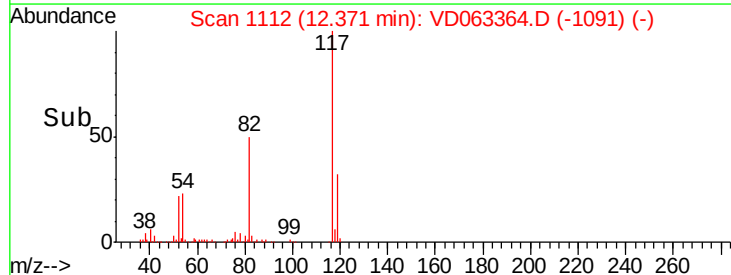
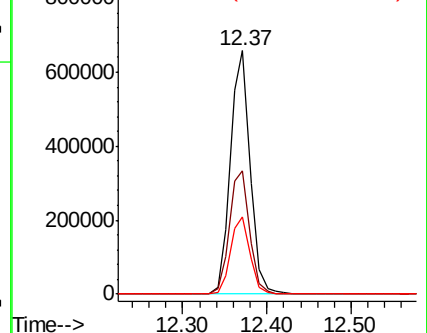
119 31.9 26.5 39.7

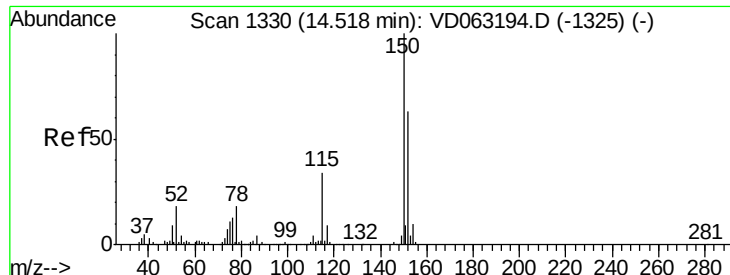


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063364.D

Acq: 3 Aug 2019 16:29

Instrument :

MSVOA_D

ClientSampleId :

1S-C4-(30)

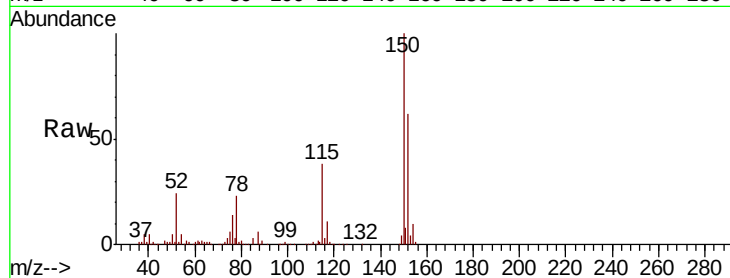
Tot Ion:152 Resp: 452500

Ion Ratio Lower Upper

152 100

115 61.5 27.5 82.4

150 162.1 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

