

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080319\
 Data File : VD063362.D
 Acq On : 3 Aug 2019 15:35
 Operator : VA/AP
 Sample : K4136-08
 Misc : 4.75u/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C2-(30)

Quant Time: Aug 04 06:29:28 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

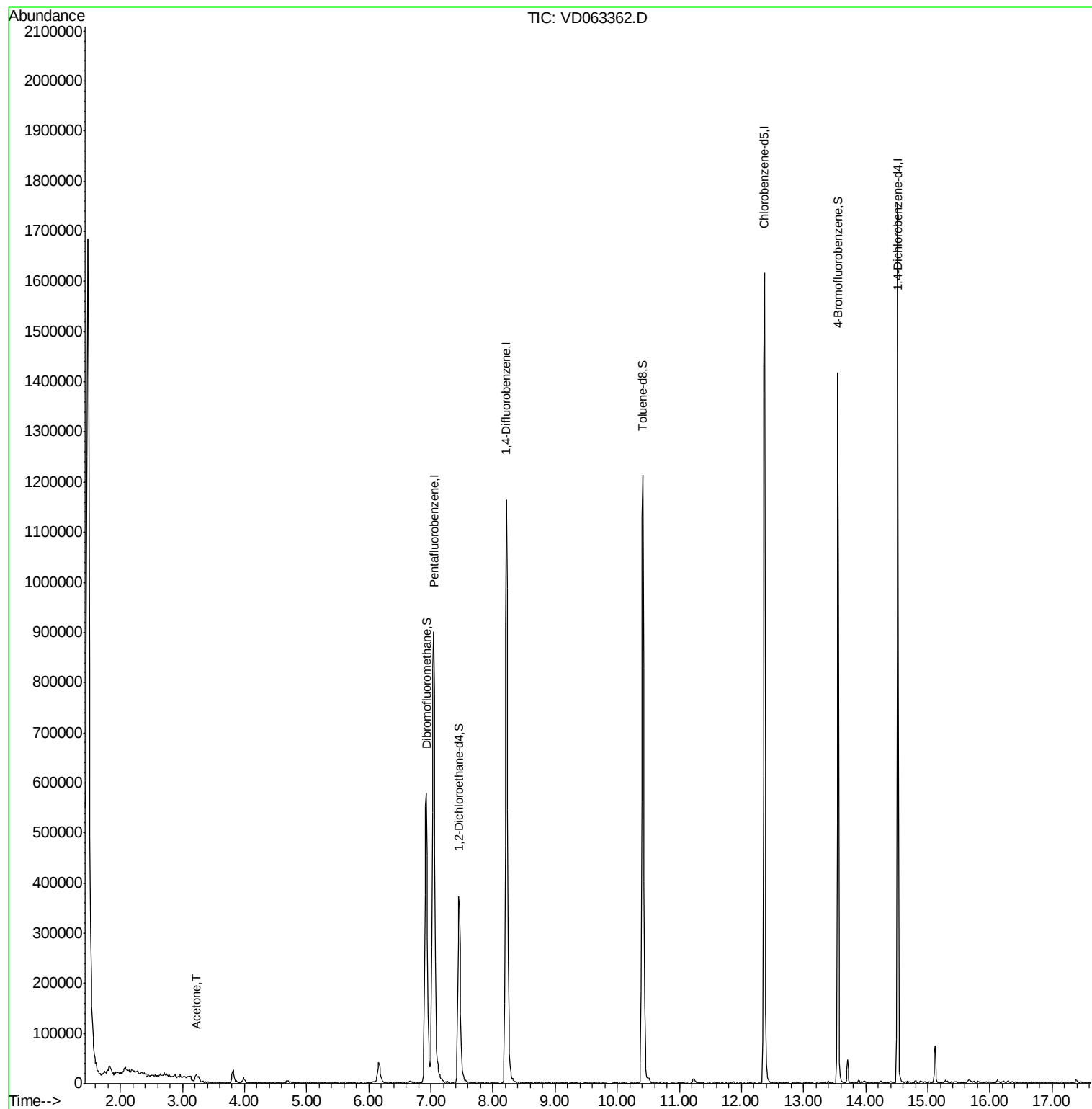
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	888773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1241642	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	890368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	372329	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	449963	45.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.26%	
35) Dibromofluoromethane	6.93	113	515963	48.67	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.34%	
50) Toluene-d8	10.41	98	992919	41.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.70%	
62) 4-Bromofluorobenzene	13.55	95	398040	36.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.64%	
Target Compounds						
16) Acetone	3.23	43	29603	15.407	ug/l	Qvalue 93

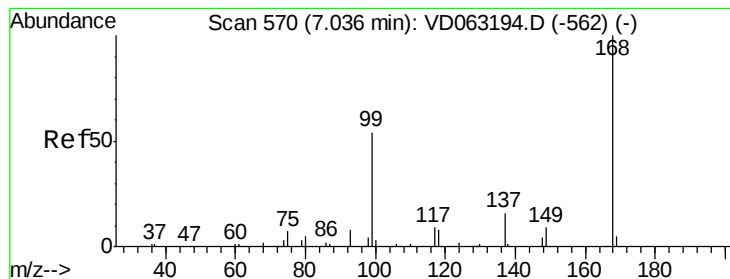
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.01 min

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MSVOA_D

ClientSampleId :

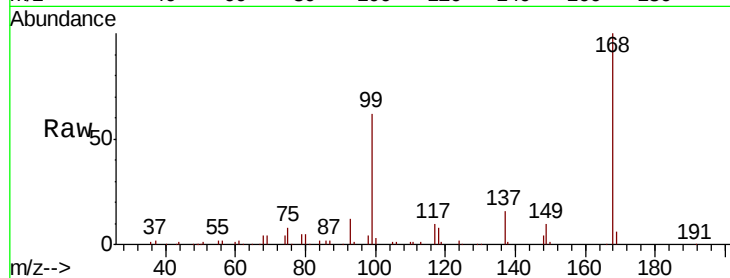
1S-C2-(30)

Tot Ion:168 Resp: 888773

Ion Ratio Lower Upper

168 100

99 61.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

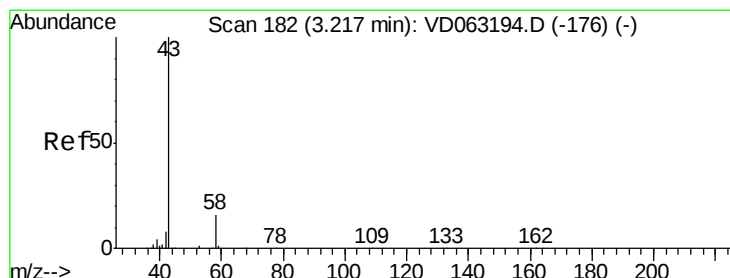
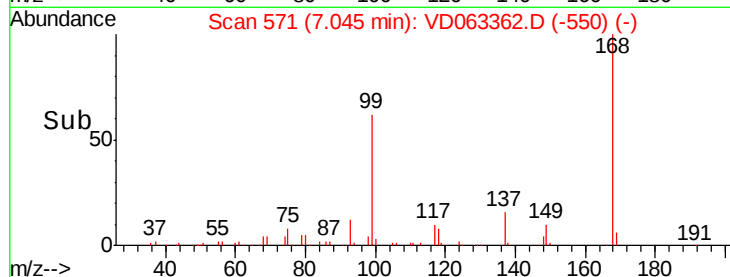
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 15.407 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063362.D

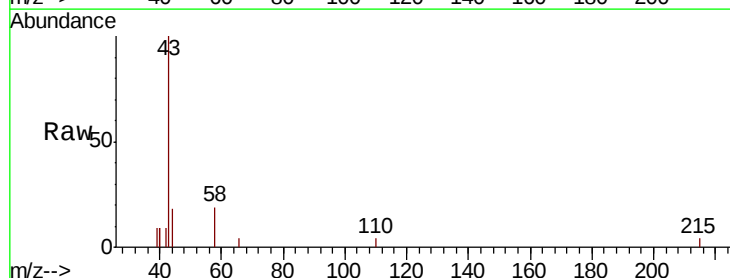
Acq: 3 Aug 2019 15:35

Tgt Ion: 43 Resp: 29603

Ion Ratio Lower Upper

43 100

58 19.0 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

12000

10000

8000

6000

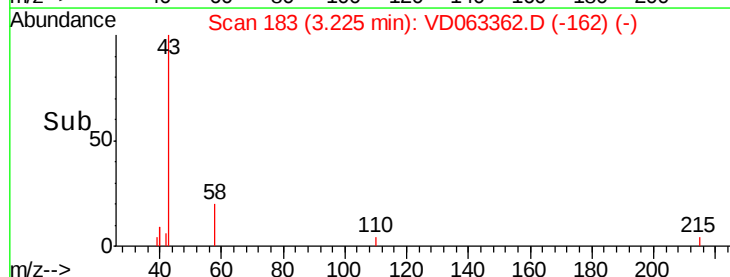
4000

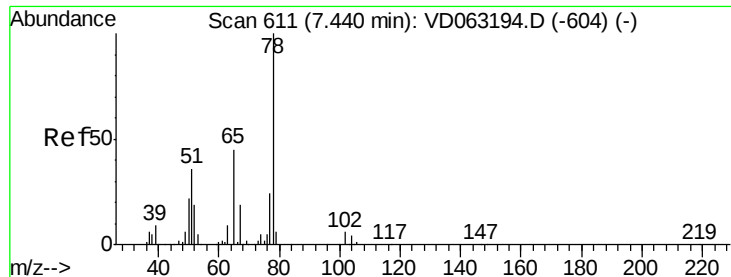
2000

0

Time-->

3.10 3.15 3.20 3.25 3.30





#33

1,2-Dichloroethane-d4

Concen: 45.627 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063362.D

Acq: 3 Aug 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

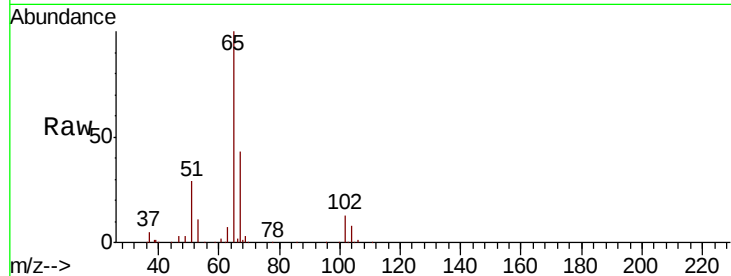
1S-C2-(30)

Tot Ion: 65 Resp: 449963

Ion Ratio Lower Upper

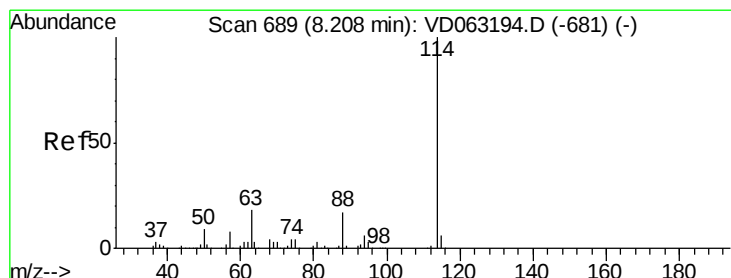
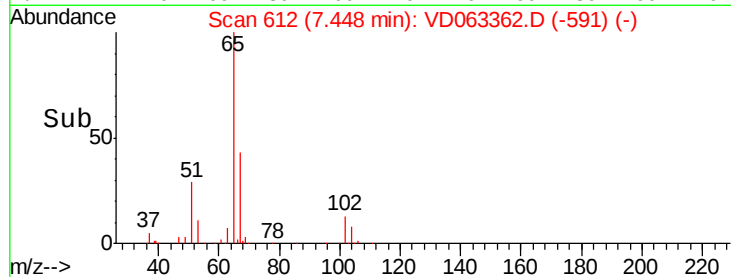
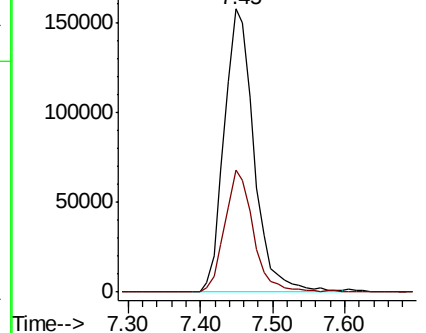
65 100

67 43.0 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063362.D

Acq: 3 Aug 2019 15:35

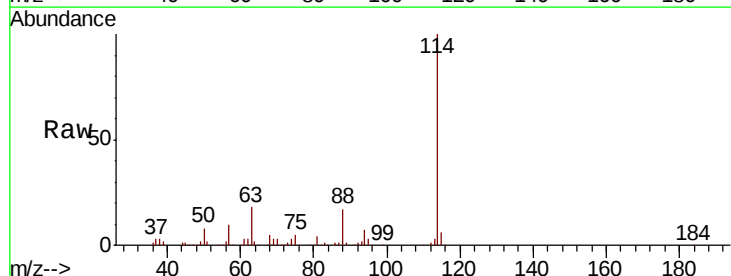
Tgt Ion: 114 Resp: 1241642

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.2

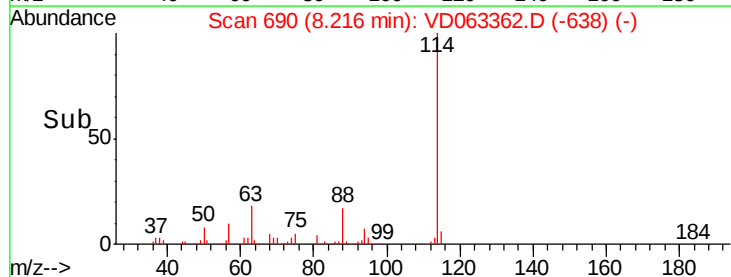
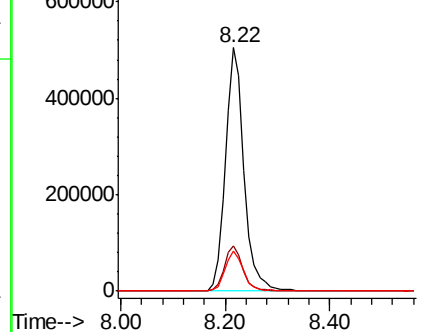
88 16.6 0.0 34.6

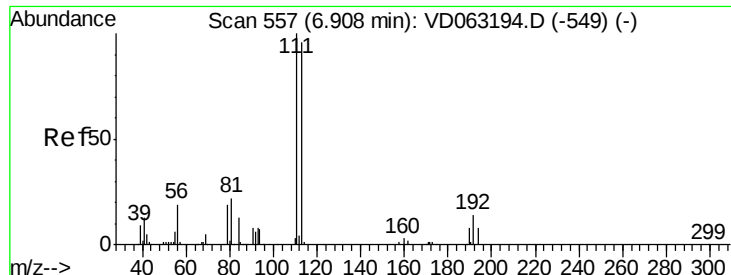


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.671 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063362.D

Acq: 3 Aug 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

1S-C2-(30)

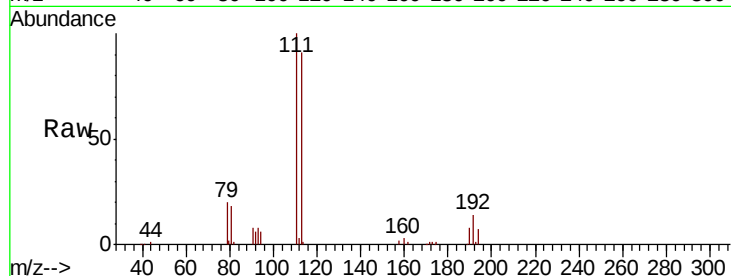
Tot Ion:113 Resp: 515963

Ion Ratio Lower Upper

113 100

111 109.9 83.2 124.8

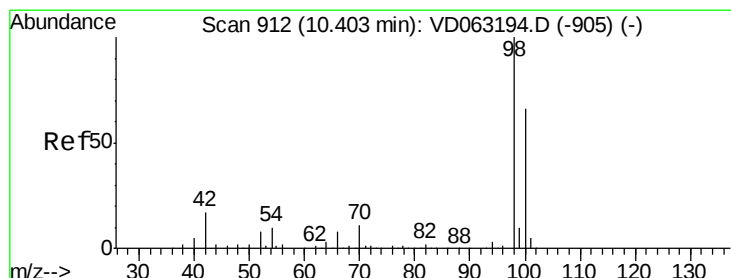
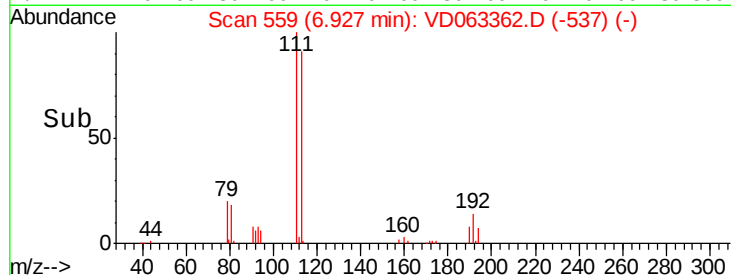
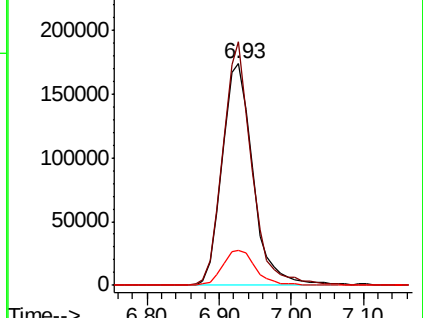
192 15.9 11.8 17.8



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: 41.851 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063362.D

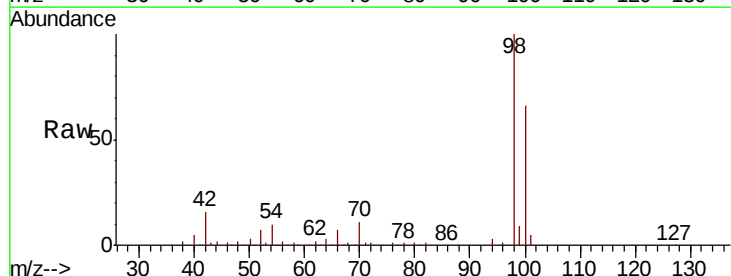
Acq: 3 Aug 2019 15:35

Tgt Ion: 98 Resp: 992919

Ion Ratio Lower Upper

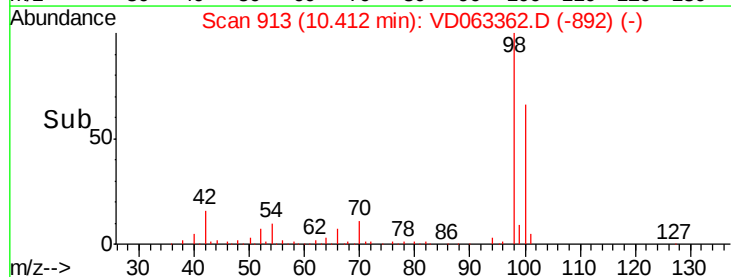
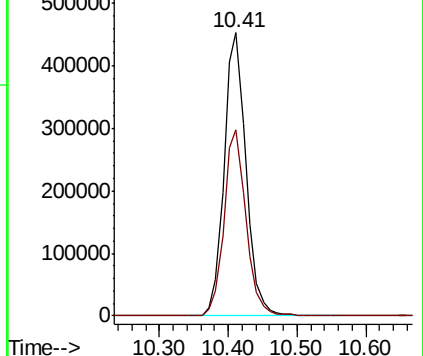
98 100

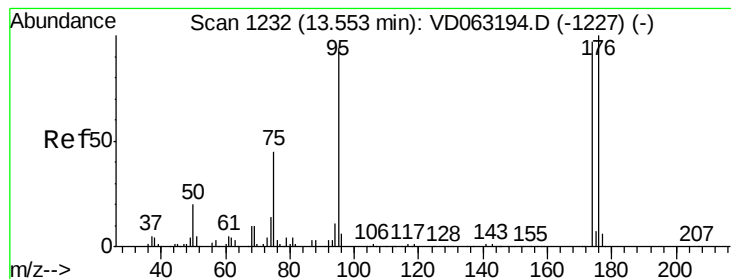
100 65.8 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 36.817 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063362.D

Acq: 3 Aug 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

1S-C2-(30)

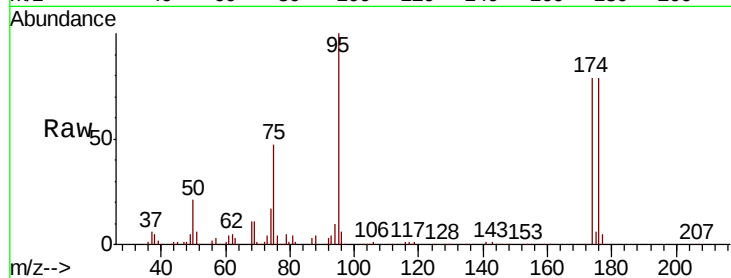
Tot Ion: 95 Resp: 398040

Ion Ratio Lower Upper

95 100

174 79.1 0.0 205.4

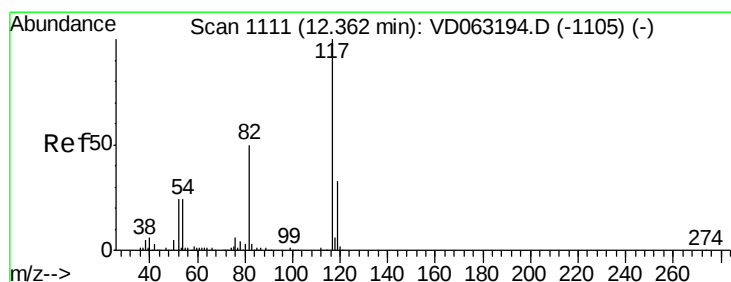
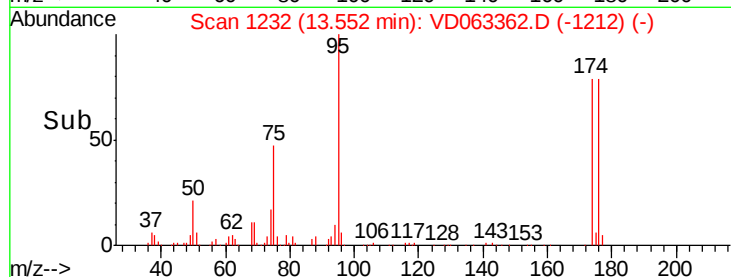
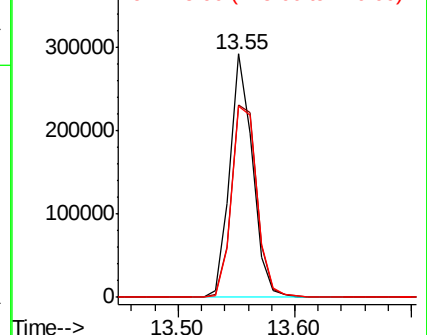
176 78.7 0.0 211.8



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: VD063362.D

Acq: 3 Aug 2019 15:35

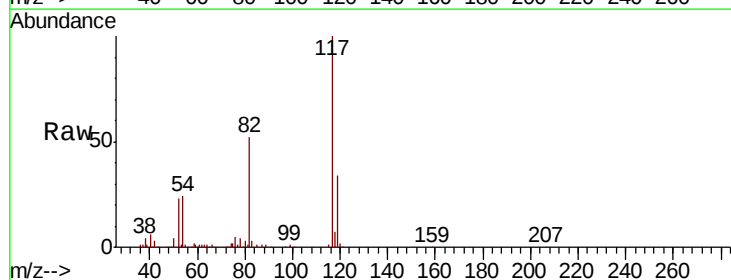
Tgt Ion: 117 Resp: 890368

Ion Ratio Lower Upper

117 100

82 51.9 40.1 60.1

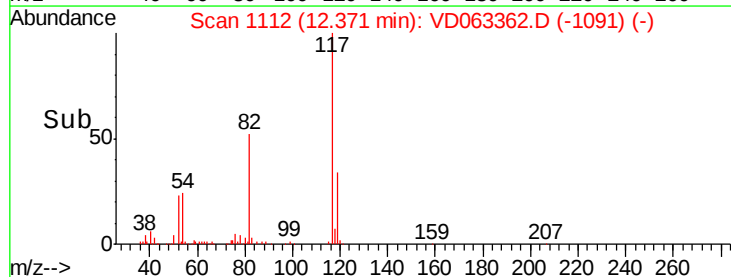
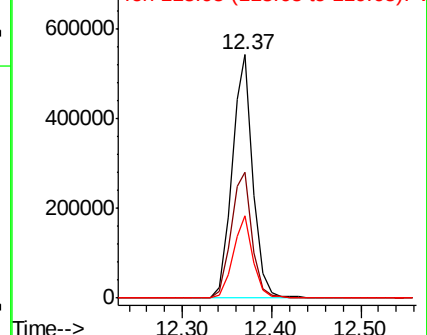
119 33.8 26.5 39.7

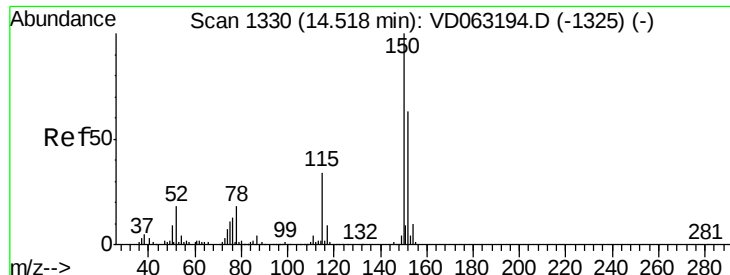


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063362.D

Acq: 3 Aug 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

1S-C2-(30)

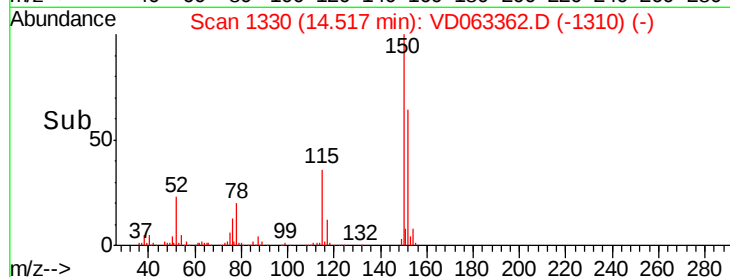
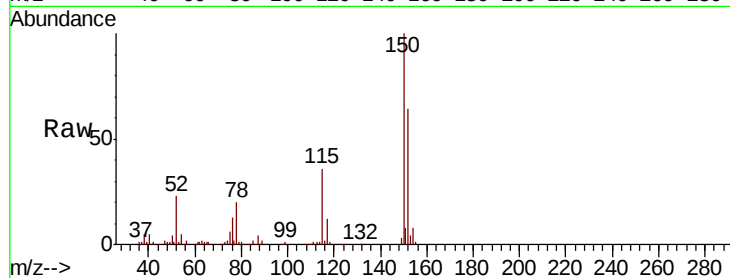
Tot Ion:152 Resp: 372329

Ion Ratio Lower Upper

152 100

115 56.2 27.5 82.4

150 156.8 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

