

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081619\
 Data File : VD063639.D
 Acq On : 16 Aug 2019 15:48
 Operator : JC/SY
 Sample : K4090-09
 Misc : 6.50g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-081519

Quant Time: Aug 17 06:58:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

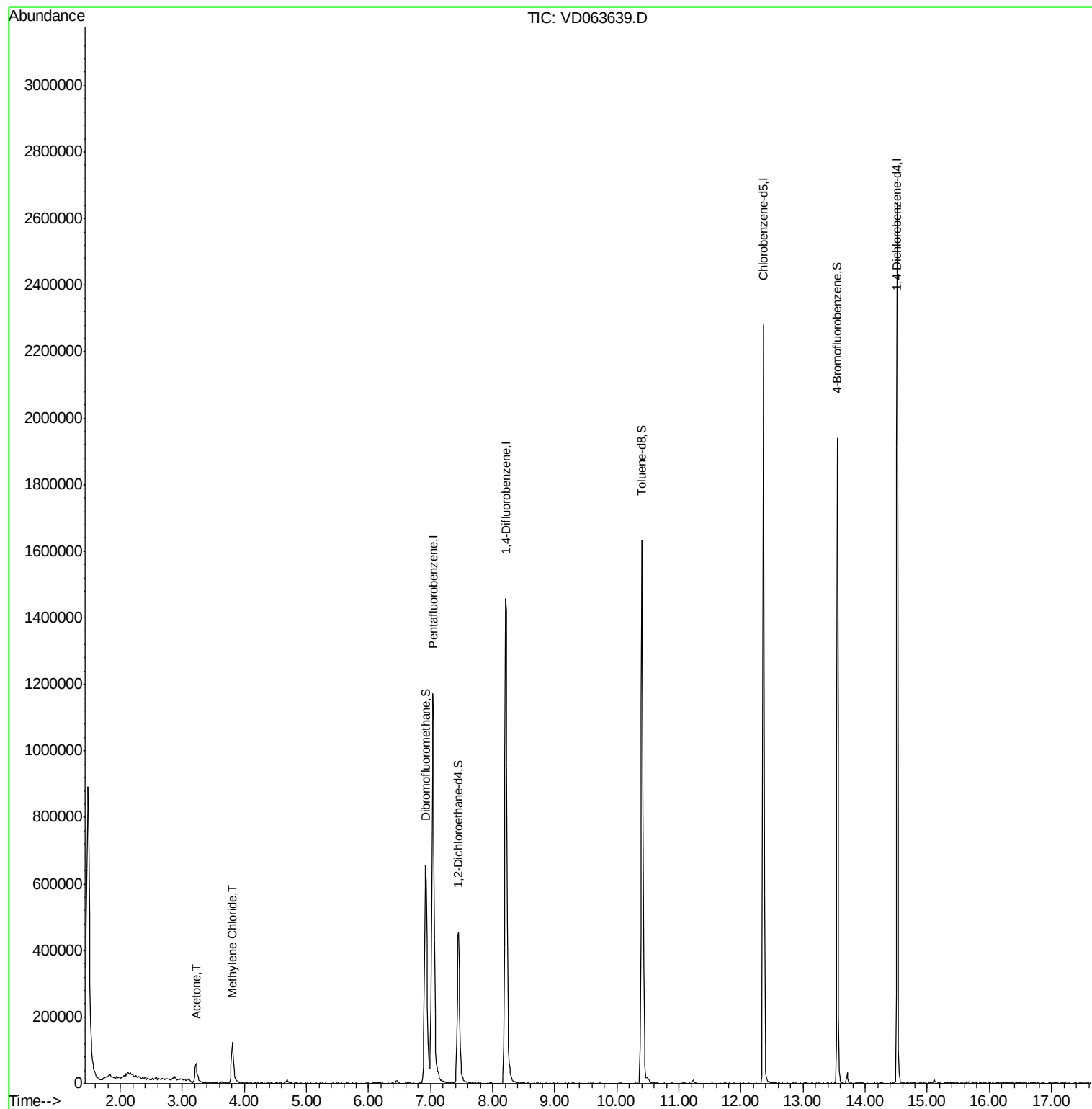
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1140971	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1603781	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1210716	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	566304	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	534848	43.85	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.70%	
35) Dibromofluoromethane	6.92	113	610682	45.21	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	90.42%	
50) Toluene-d8	10.40	98	1354435	45.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.22%	
62) 4-Bromofluorobenzene	13.55	95	508582	37.79	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	75.58%	
Target Compounds						
16) Acetone	3.22	43	116889	47.147	ug/l	95
20) Methylene Chloride	3.81	84	75185	7.013	ug/l #	73

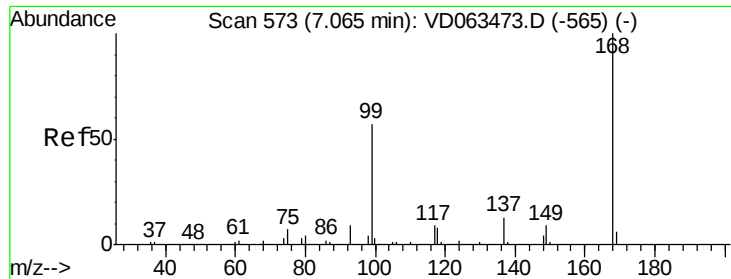
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

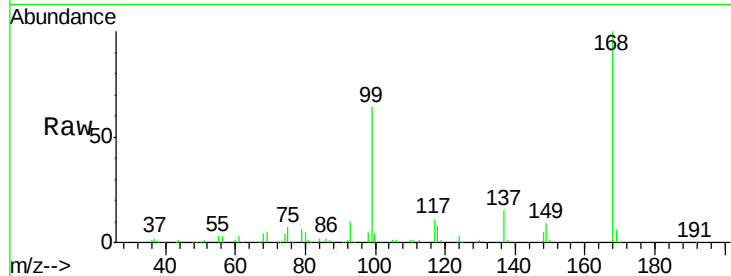
OR-02-081519

Tot Ion:168 Resp: 1140971

Ion Ratio Lower Upper

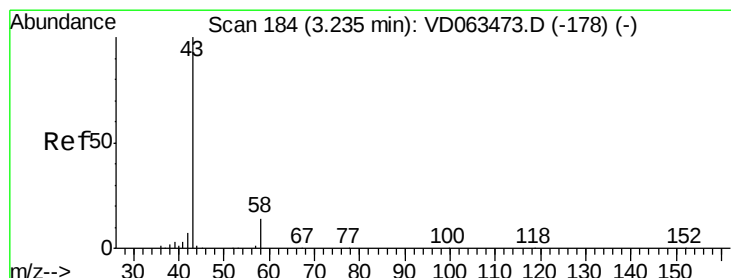
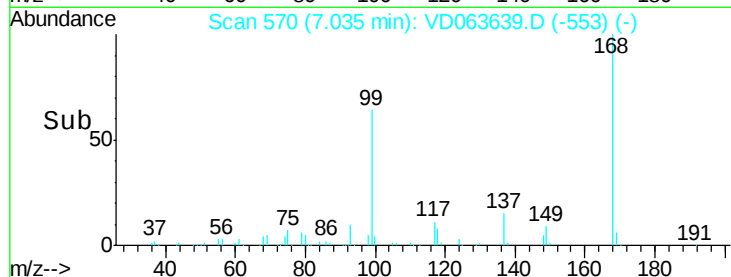
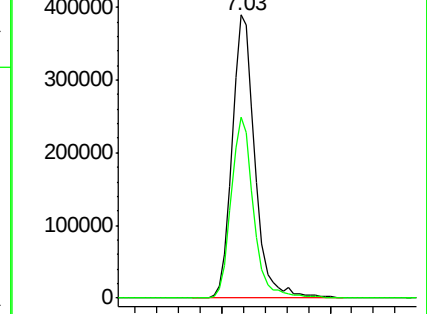
168 100

99 64.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 47.147 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063639.D

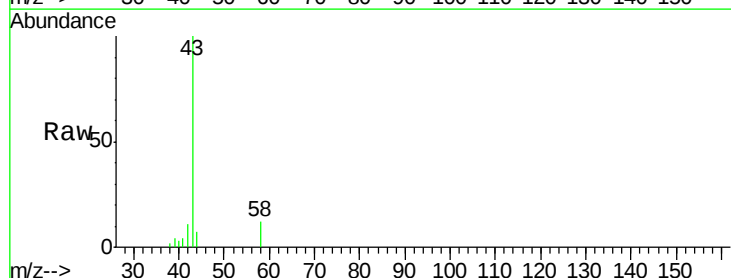
Acq: 16 Aug 2019 15:48

Tgt Ion: 43 Resp: 116889

Ion Ratio Lower Upper

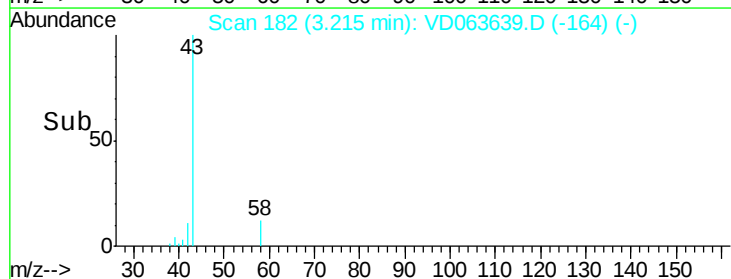
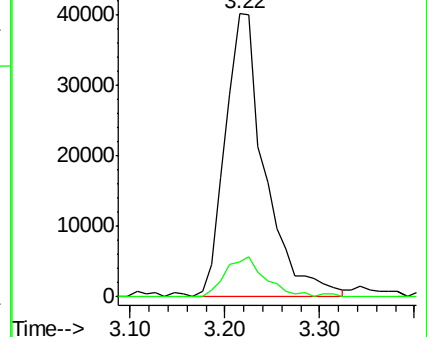
43 100

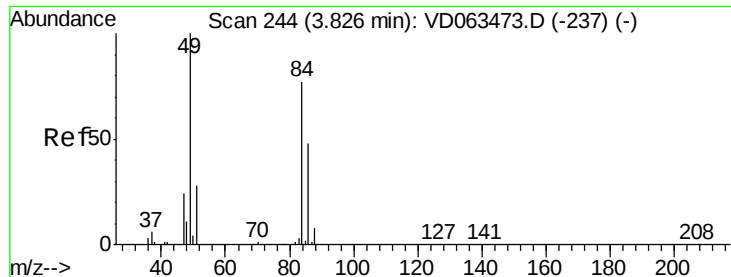
58 12.2 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

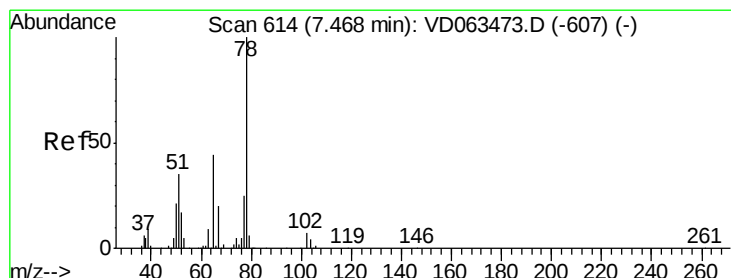
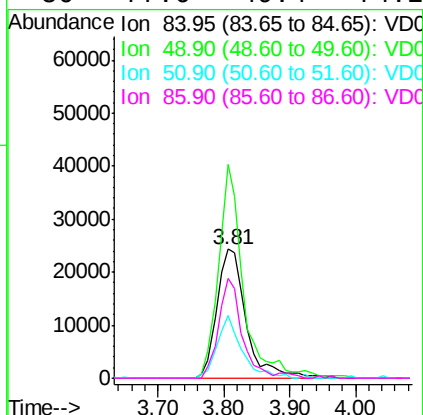
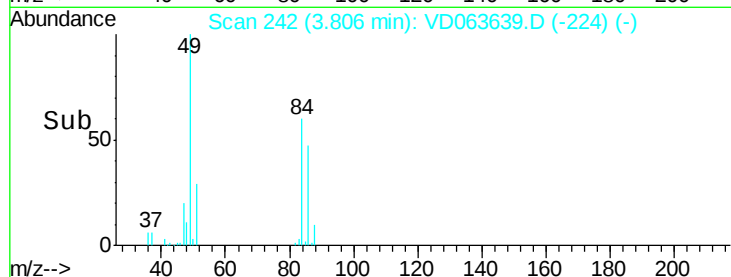
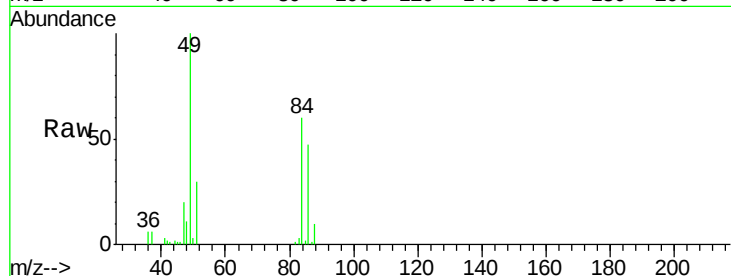




#20
Methylene Chloride
Concen: 7.013 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063639.D
Acq: 16 Aug 2019 15:48

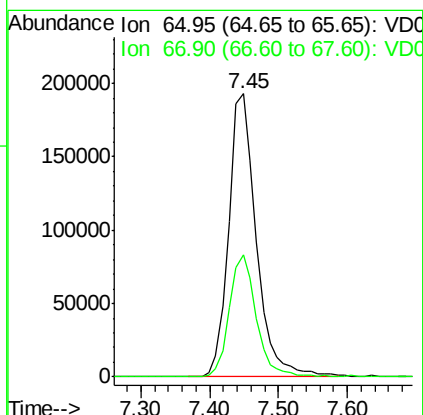
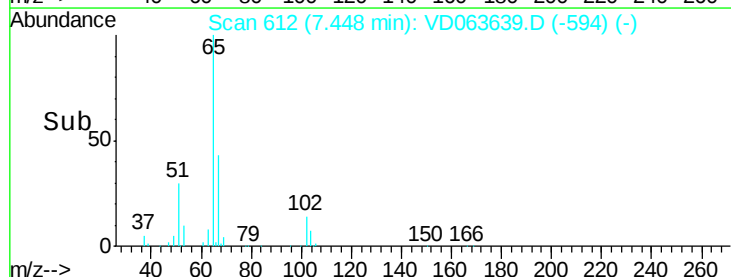
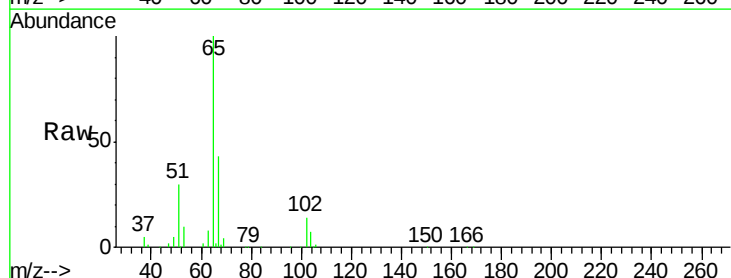
Instrument :
MSVOA_D
ClientSampleId :
OR-02-081519

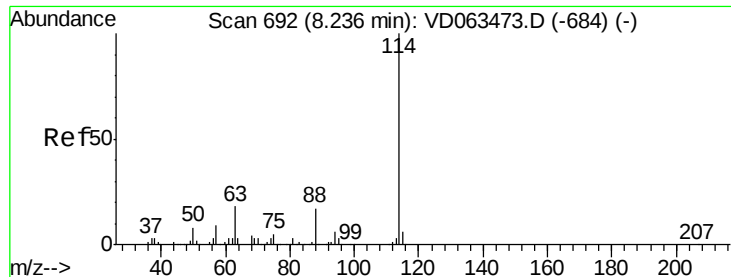
Tot Ion: 84 Resp: 75185
Ion Ratio Lower Upper
84 100
49 165.7 103.4 155.2#
51 49.1 28.5 42.7#
86 77.6 49.4 74.2#



#33
1,2-Dichloroethane-d4
Concen: 43.854 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063639.D
Acq: 16 Aug 2019 15:48

Tgt Ion: 65 Resp: 534848
Ion Ratio Lower Upper
65 100
67 43.2 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

OR-02-081519

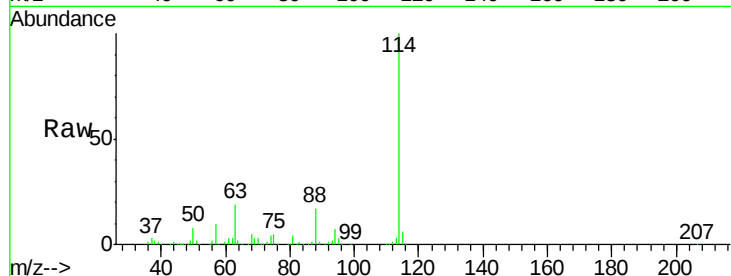
Tot Ion:114 Resp: 1603781

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.2

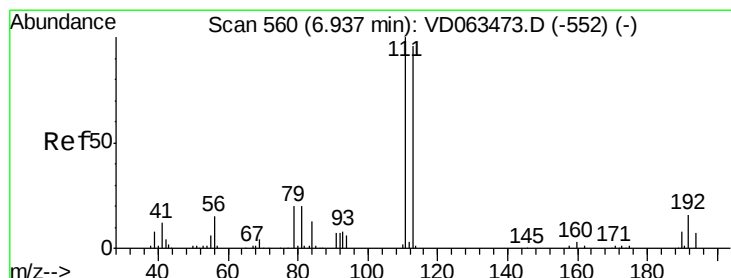
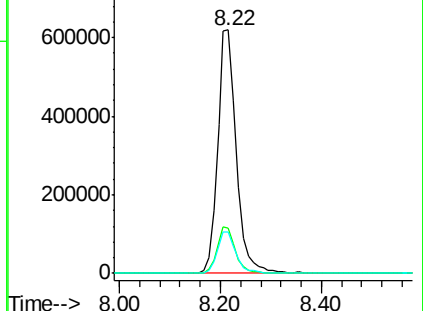
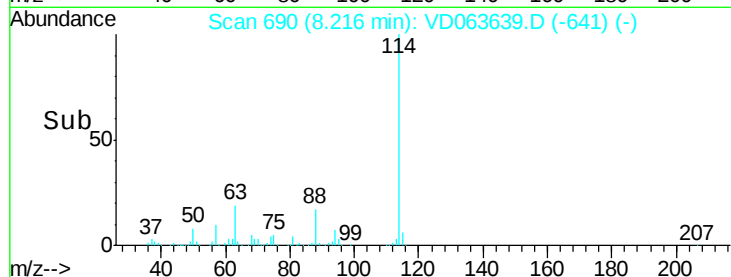
88 16.9 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 45.212 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

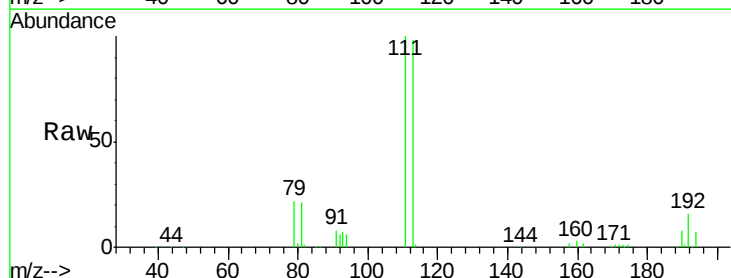
Tgt Ion:113 Resp: 610682

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

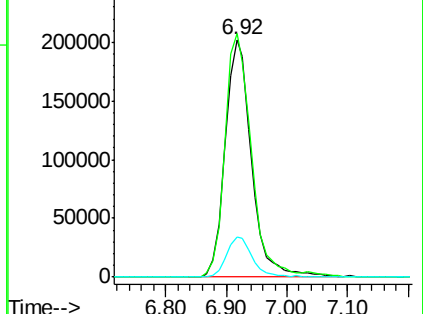
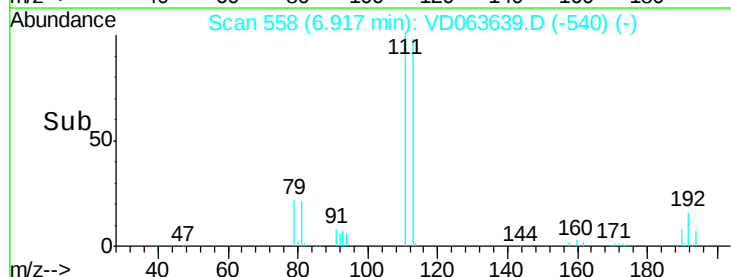
192 16.7 13.1 19.7

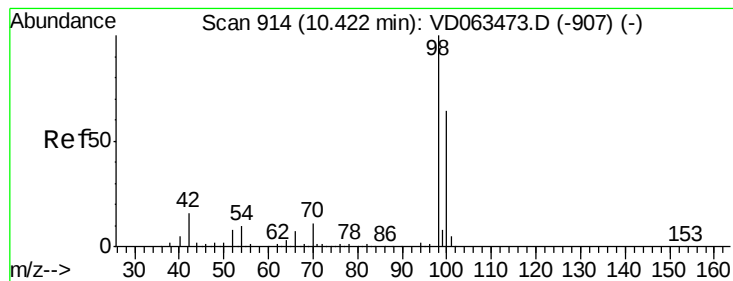


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 45.610 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

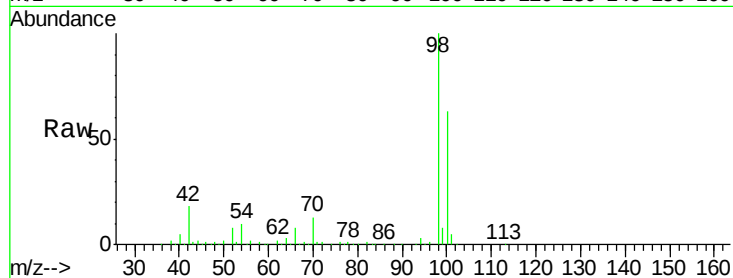
OR-02-081519

Tot Ion: 98 Resp: 1354435

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.40

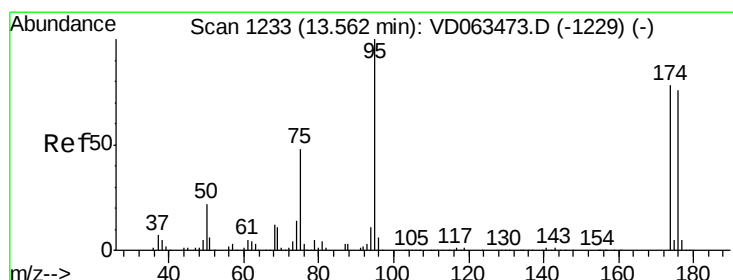
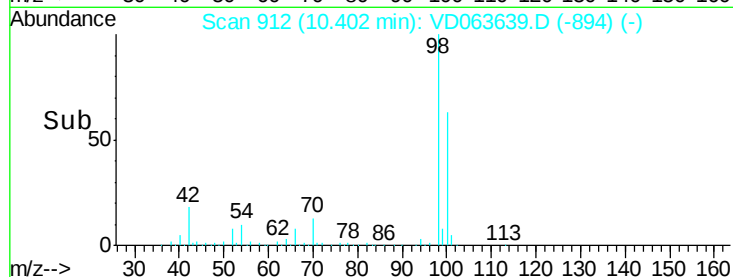
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 37.786 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

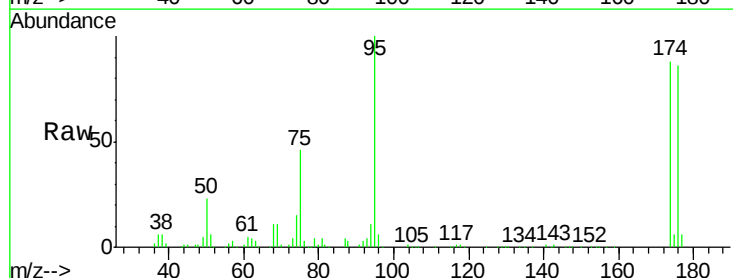
Tgt Ion: 95 Resp: 508582

Ion Ratio Lower Upper

95 100

174 87.7 0.0 155.4

176 85.9 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

13.55

500000

400000

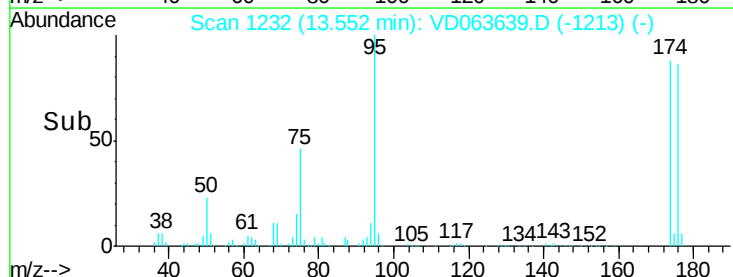
300000

200000

100000

0

Time-->

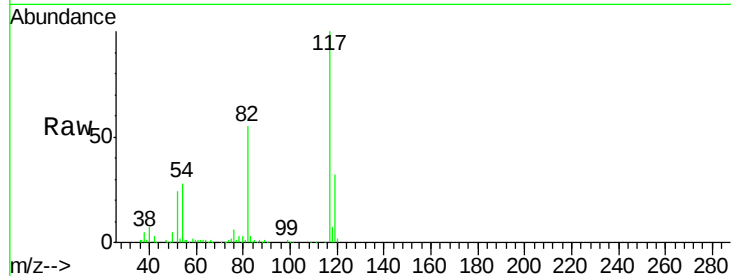




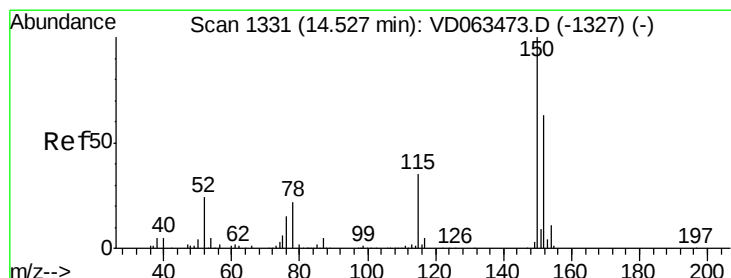
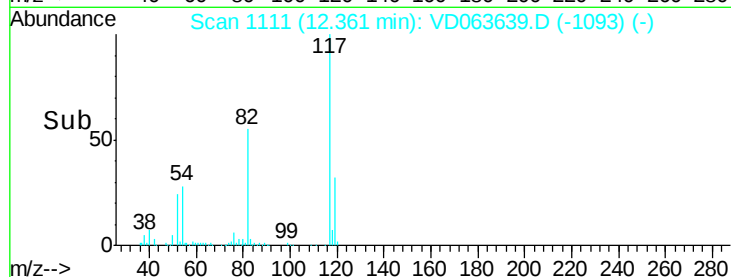
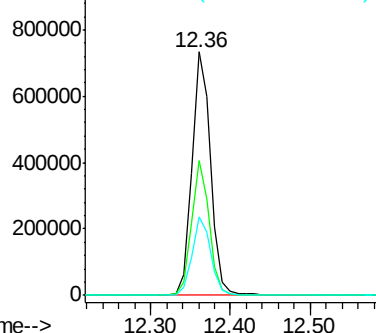
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063639.D
Acq: 16 Aug 2019 15:48

Instrument :
MSVOA_D
ClientSampleId :
OR-02-081519

Tot Ion:117 Resp: 1210716
Ion Ratio Lower Upper
117 100
82 55.2 42.0 63.0
119 32.2 25.4 38.0

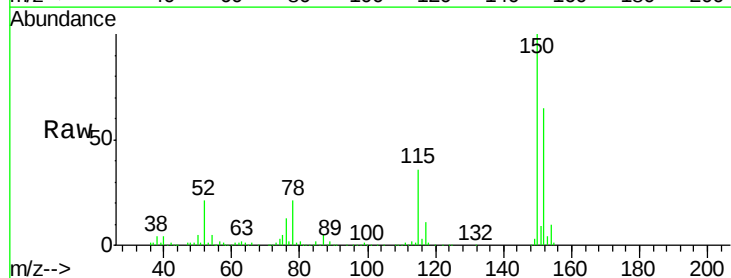


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063639.D
Acq: 16 Aug 2019 15:48

Tgt Ion:152 Resp: 566304
Ion Ratio Lower Upper
152 100
115 55.3 30.9 92.7
150 152.7 0.0 318.6



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

