

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061837.D
 Acq On : 17 Apr 2019 6:03
 Operator : VA/AP
 Sample : K2423-05
 Misc : 4.37g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-A

Quant Time: Apr 17 07:17:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

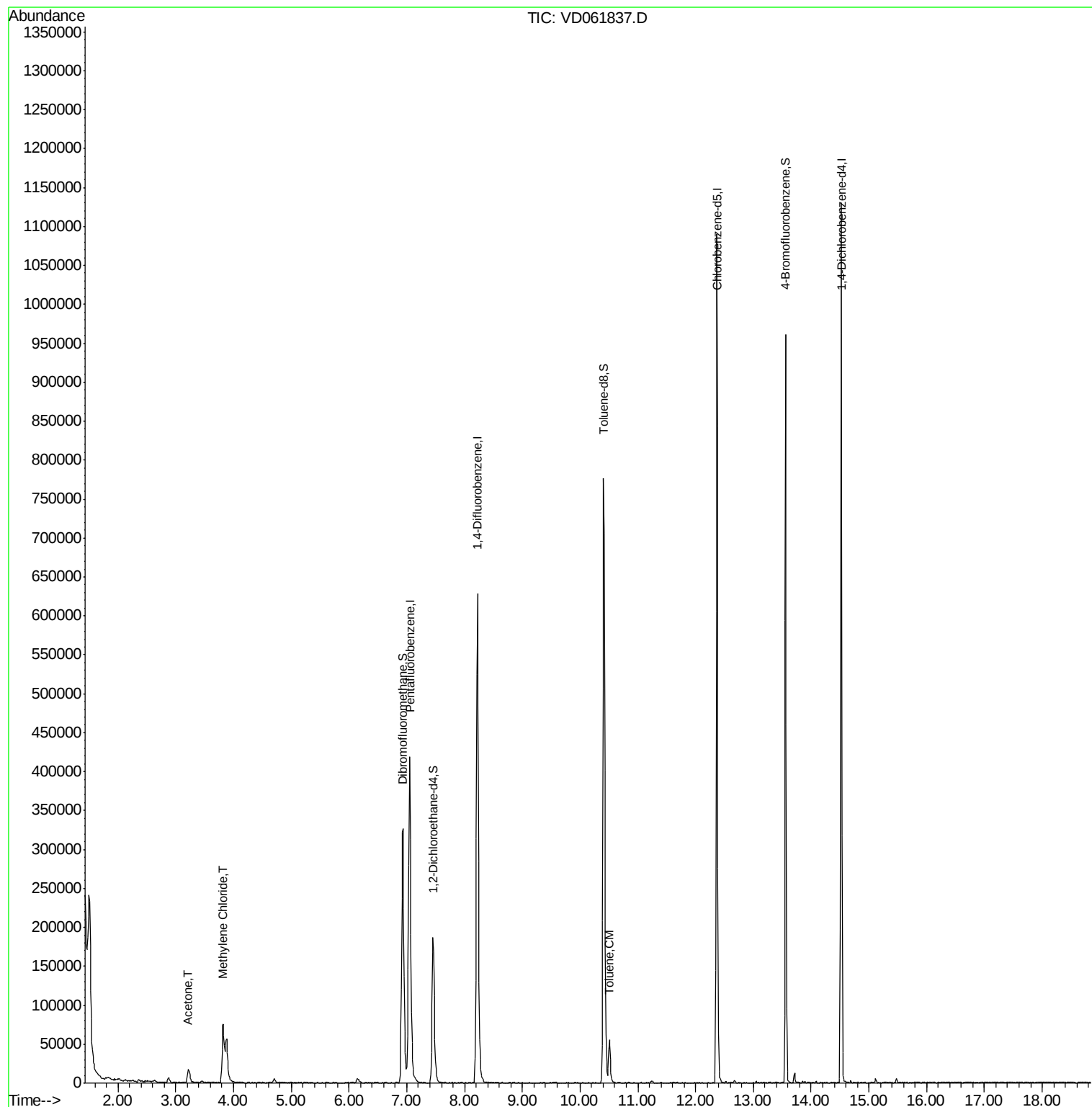
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	430084	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	752638	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	669381	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	284150	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	202572	56.20	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	112.40%	
35) Dibromofluoromethane	6.93	113	309803	54.48	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	108.96%	
50) Toluene-d8	10.41	98	680836	50.53	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	13.56	95	289954	53.10	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.20%	
Target Compounds						
16) Acetone	3.21	43	37144	41.811	ug/l	91
20) Methylene Chloride	3.81	84	61752	10.346	ug/l	96
52) Toluene	10.51	92	31932	3.375	ug/l	89

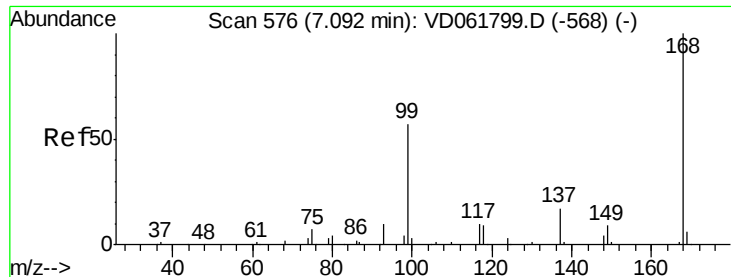
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

Instrument :

MSVOA_D

ClientSampleId :

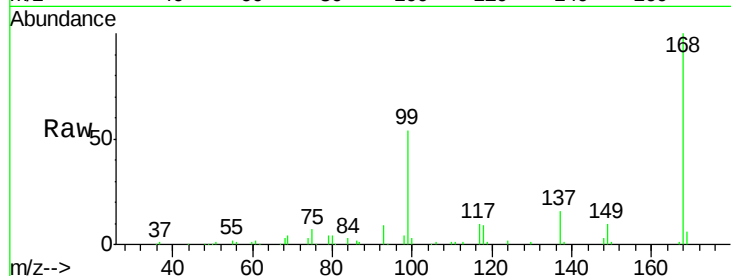
TP2-A

Tot Ion:168 Resp: 430084

Ion Ratio Lower Upper

168 100

99 54.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

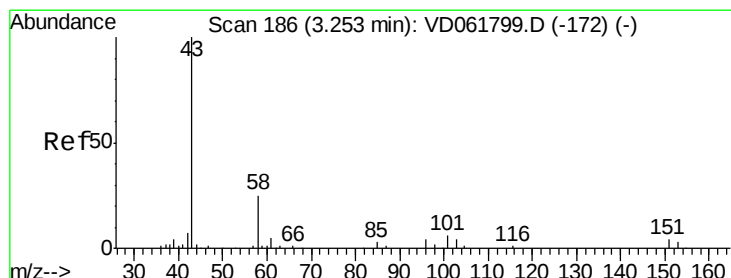
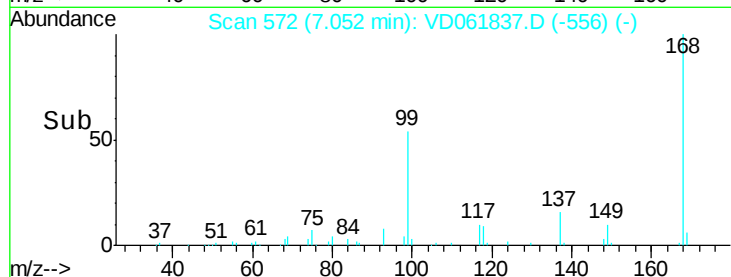
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 41.811 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.04 min

Lab File: VD061837.D

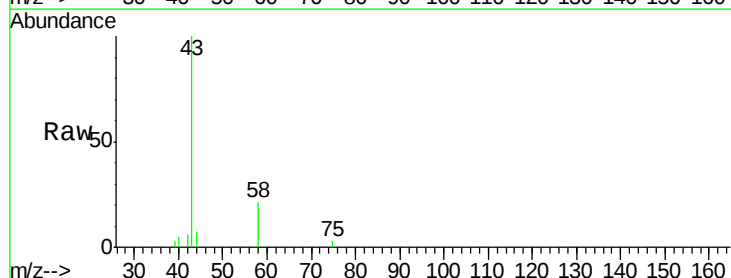
Acq: 17 Apr 2019 6:03

Tgt Ion: 43 Resp: 37144

Ion Ratio Lower Upper

43 100

58 20.6 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

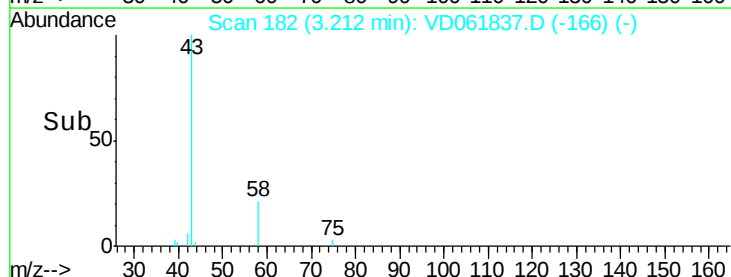
3.21

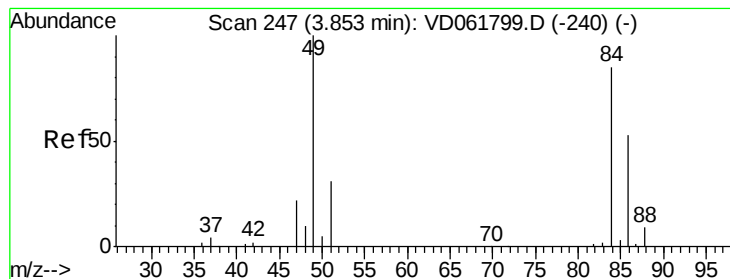
10000

5000

0

Time-->





#20

Methylene Chloride

Concen: 10.346 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.04 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

Instrument :

MSVOA_D

ClientSampleId :

TP2-A

Tot Ion: 84 Resp: 61752

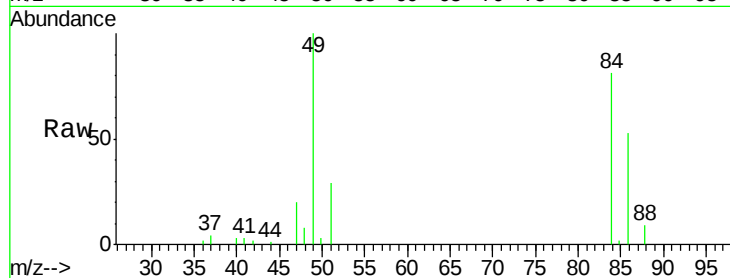
Ion Ratio Lower Upper

84 100

49 123.3 94.0 141.0

51 35.2 29.0 43.4

86 65.3 49.8 74.6

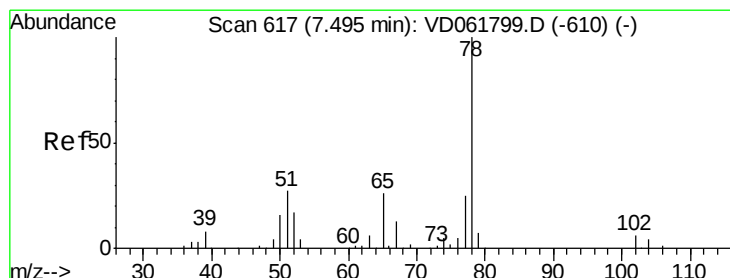
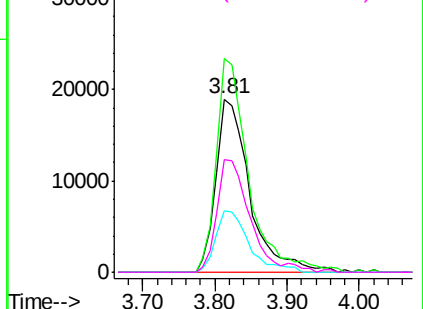
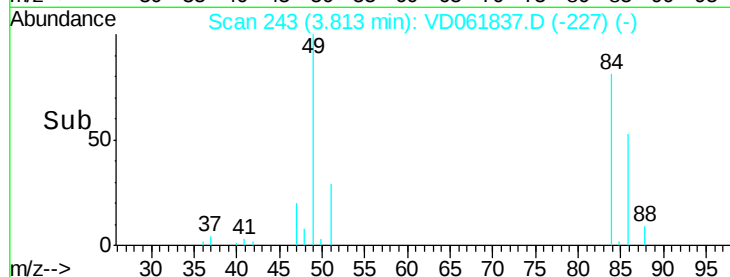


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.04 min

Lab File: VD061837.D

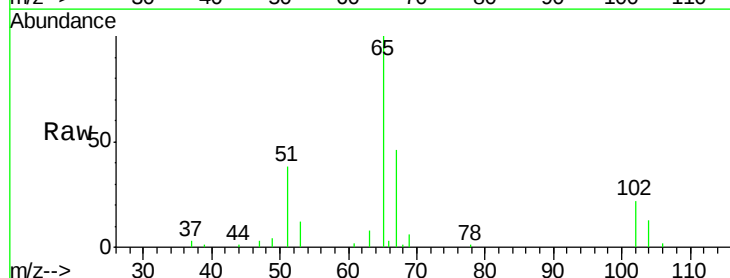
Acq: 17 Apr 2019 6:03

Tgt Ion: 65 Resp: 202572

Ion Ratio Lower Upper

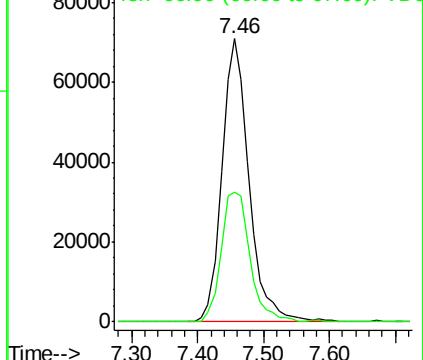
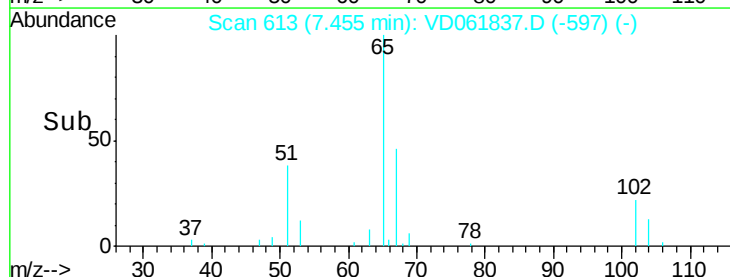
65 100

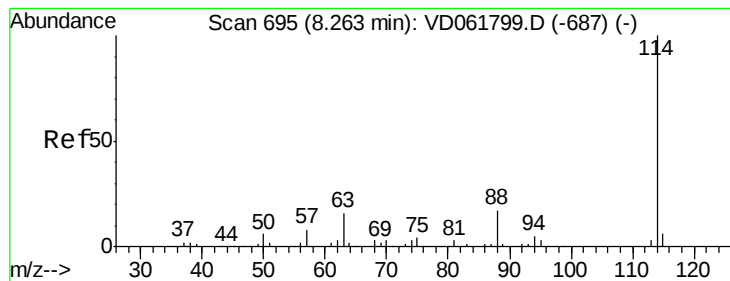
67 46.1 0.0 98.0



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# 691

Delta R.T. -0.04 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

Instrument :

MSVOA_D

ClientSampleId :

TP2-A

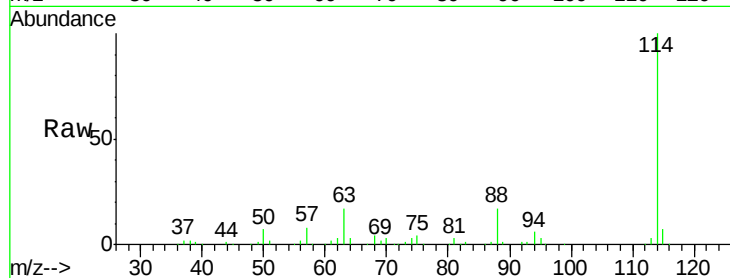
Tot Ion:114 Resp: 752638

Ion Ratio Lower Upper

114 100

63 16.8 0.0 32.4

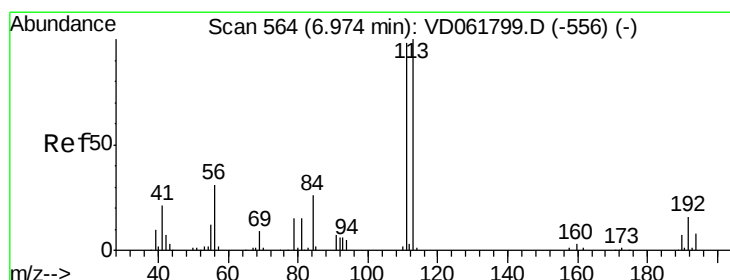
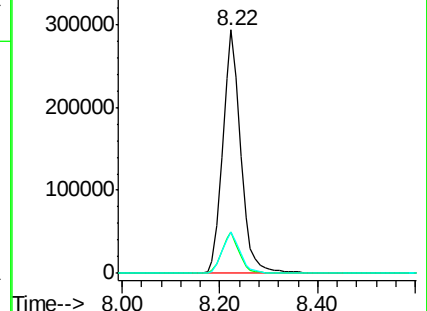
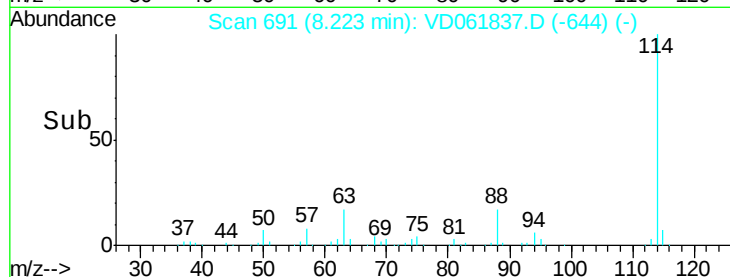
88 16.8 0.0 33.6



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: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.04 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

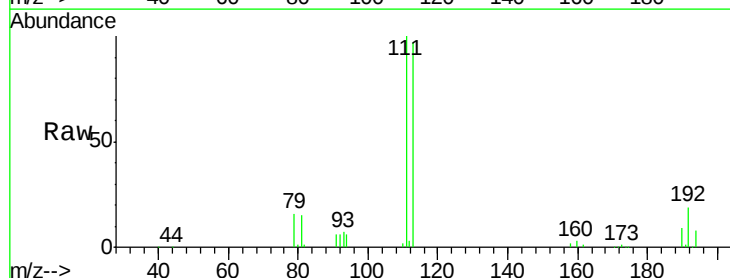
Tgt Ion:113 Resp: 309803

Ion Ratio Lower Upper

113 100

111 102.8 78.5 117.7

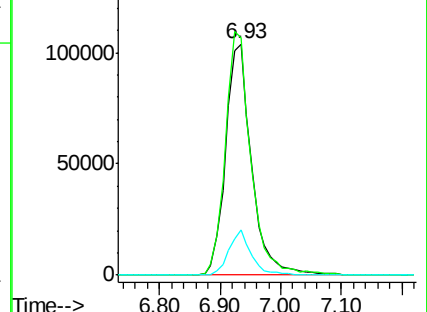
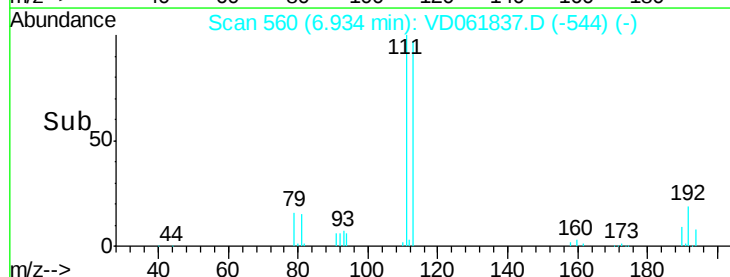
192 19.3 13.0 19.4

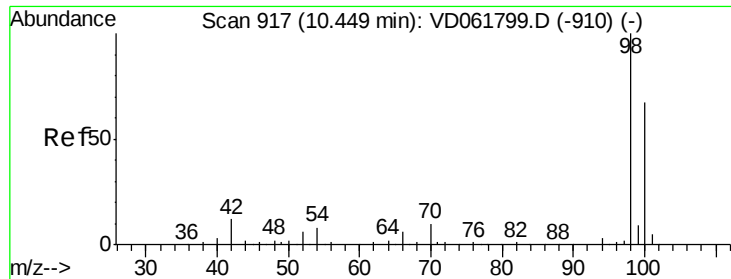


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

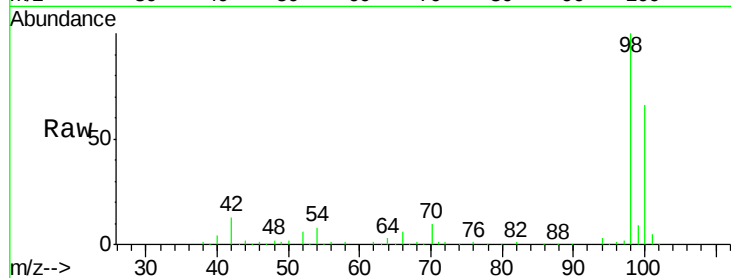




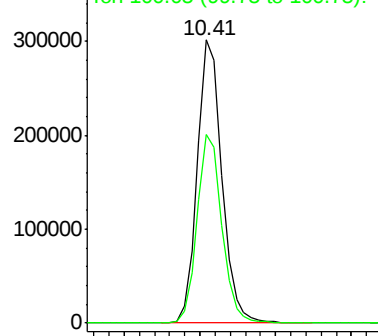
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.04 min
Lab File: VD061837.D
Acq: 17 Apr 2019 6:03

Instrument :
MSVOA_D
ClientSampleId :
TP2-A

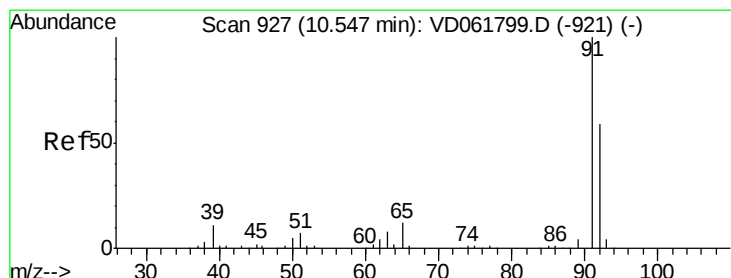
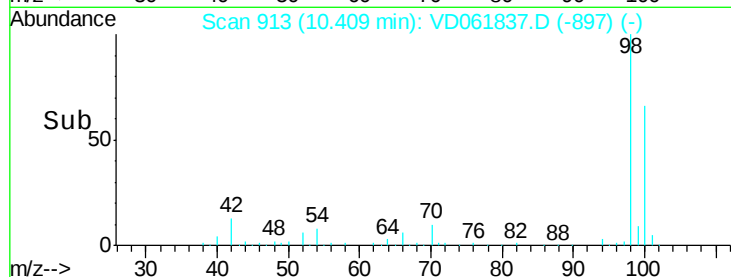
Tot Ion: 98 Resp: 680836
Ion Ratio Lower Upper
98 100
100 66.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

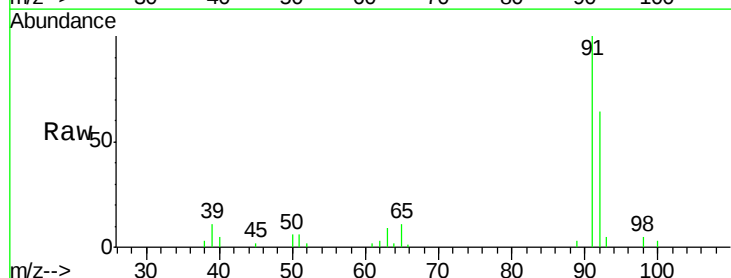


Time-->

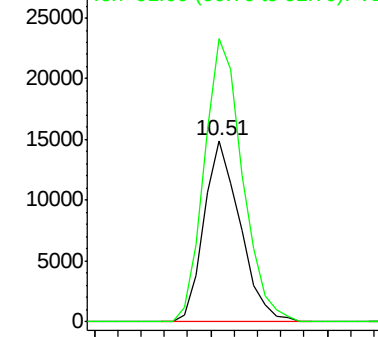


#52
Toluene
Concen: 3.375 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.04 min
Lab File: VD061837.D
Acq: 17 Apr 2019 6:03

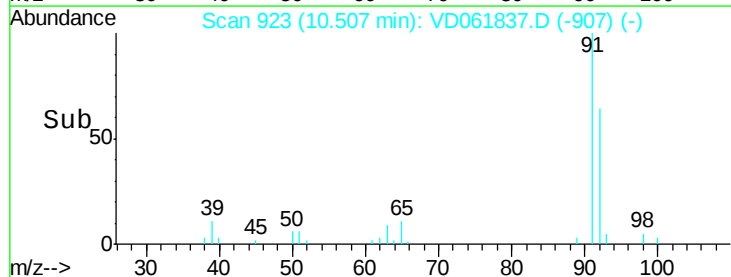
Tgt Ion: 92 Resp: 31932
Ion Ratio Lower Upper
92 100
91 156.1 136.6 204.8

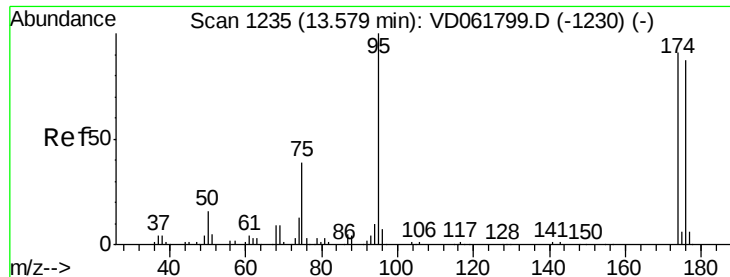


Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

Instrument :

MSVOA_D

ClientSampled :

TP2-A

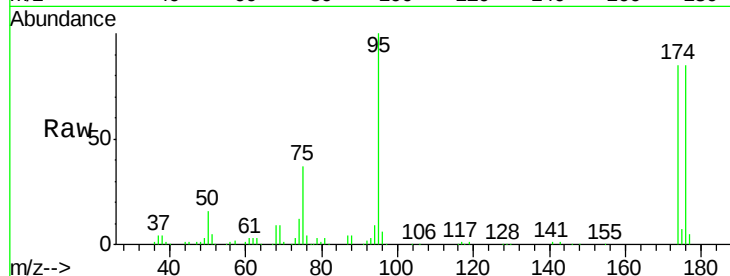
Tot Ion: 95 Resp: 289954

Ion Ratio Lower Upper

95 100

174 85.4 0.0 181.8

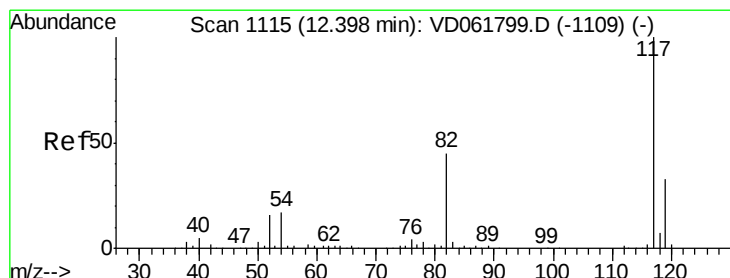
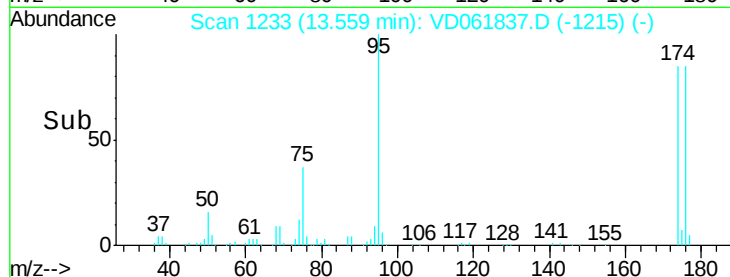
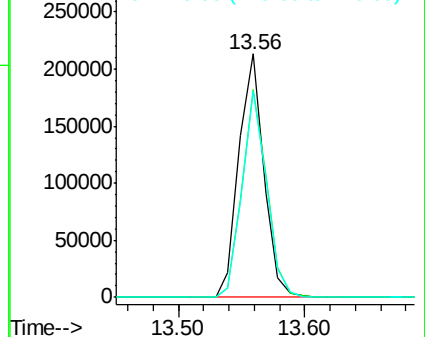
176 84.9 0.0 174.4



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. -0.03 min

Lab File: VD061837.D

Acq: 17 Apr 2019 6:03

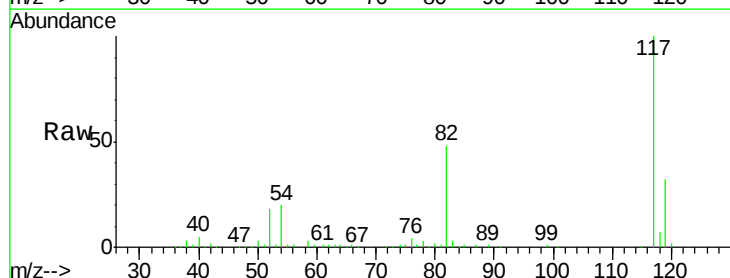
Tgt Ion: 117 Resp: 669381

Ion Ratio Lower Upper

117 100

82 48.5 36.2 54.2

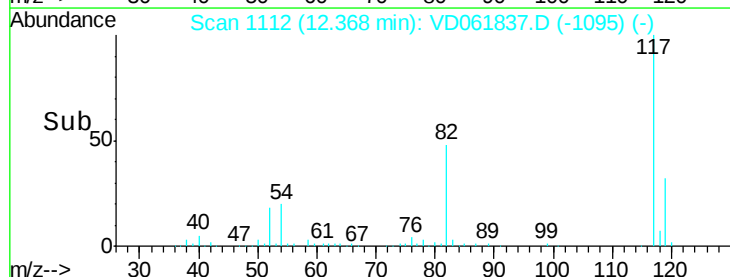
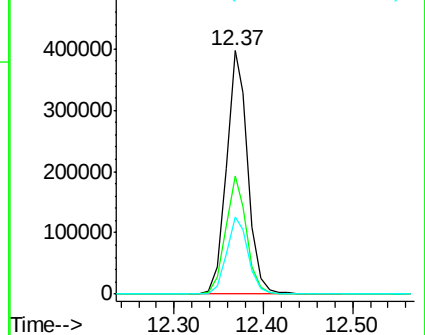
119 31.9 26.2 39.4

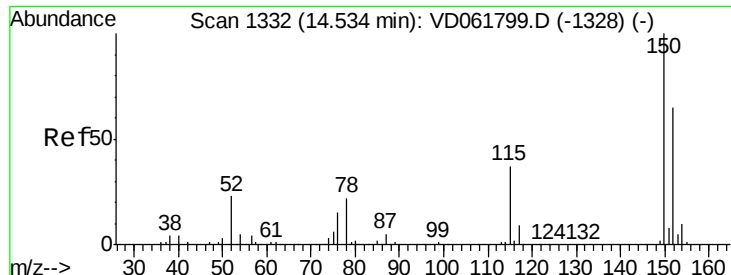


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

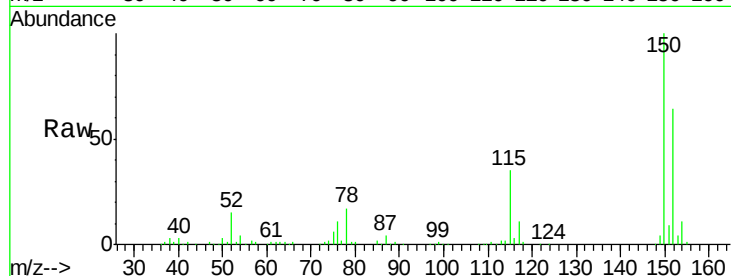




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061837.D
 Acq: 17 Apr 2019 6:03

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-A

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	30.9	92.7
150	155.9	0.0	314.8



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

