

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059958.D
 Acq On : 4 Sep 2018 21:42
 Operator : JC/SY
 Sample : J4724-12
 Misc : 6.12g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-11

Quant Time: Sep 05 05:29:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	909356	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	1246627	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	1041824	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	599146	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	361960	47.23	ug/l	-0.05
Spiked Amount						
			Recovery	=	94.46%	
35) Dibromofluoromethane	6.29	113	438161	44.83	ug/l	-0.05
Spiked Amount						
			Recovery	=	89.66%	
50) Toluene-d8	9.43	98	1149360	42.37	ug/l	-0.04
Spiked Amount						
			Recovery	=	84.74%	
62) 4-Bromofluorobenzene	12.41	95	457215	41.50	ug/l	-0.03
Spiked Amount						
			Recovery	=	83.00%	

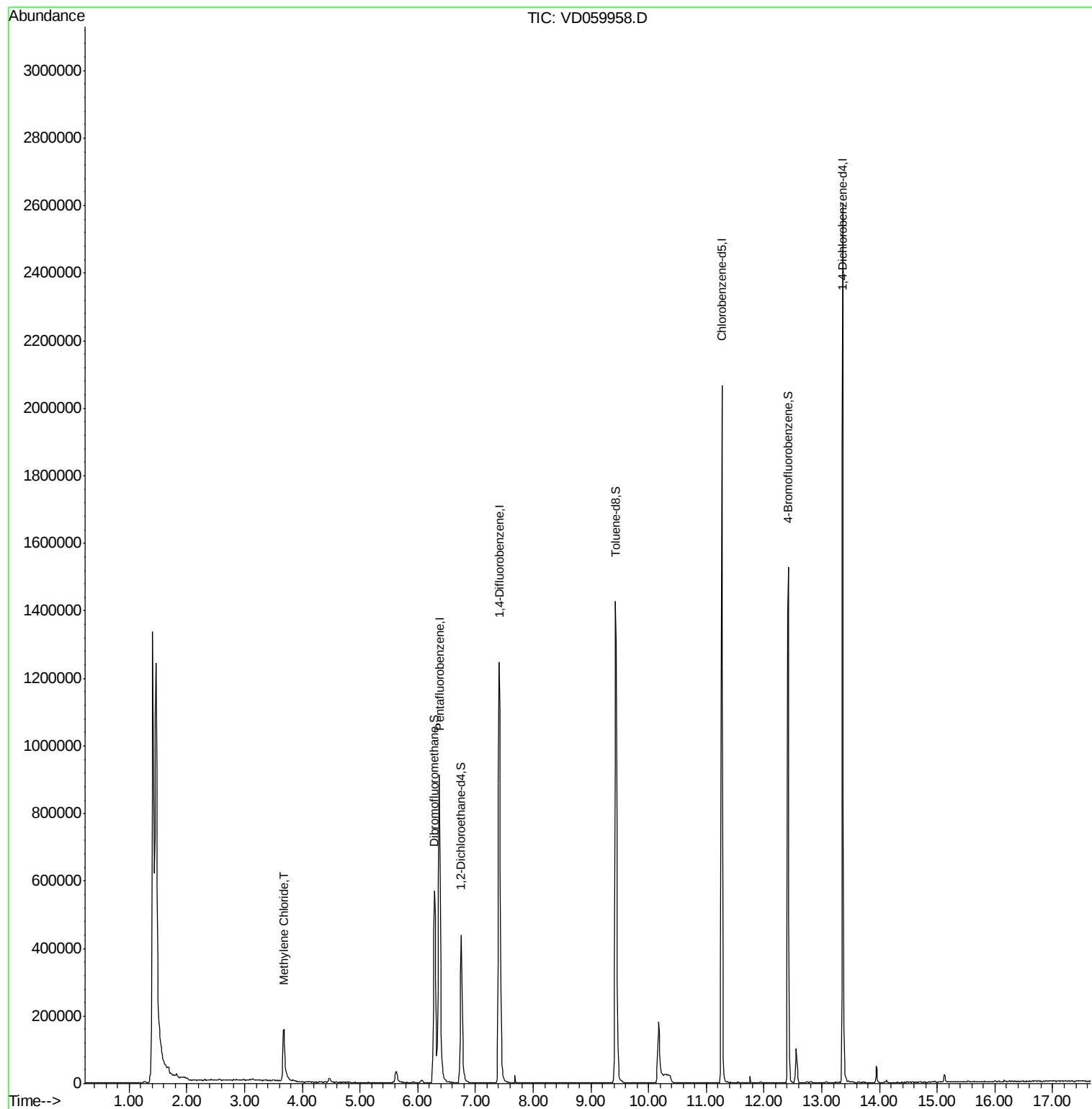
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.68	84	81599	5.44	ug/l	96

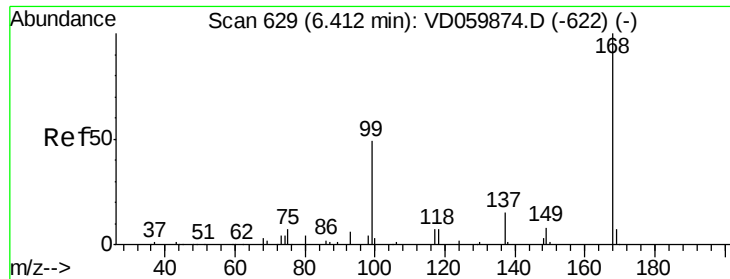
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

Instrument :

MSVOA_D

ClientSampleId :

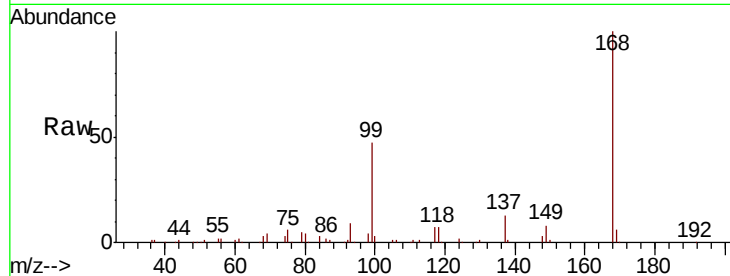
EP1-SUT-UST-11

Tot Ion:168 Resp: 909356

Ion Ratio Lower Upper

168 100

99 46.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

400000

300000

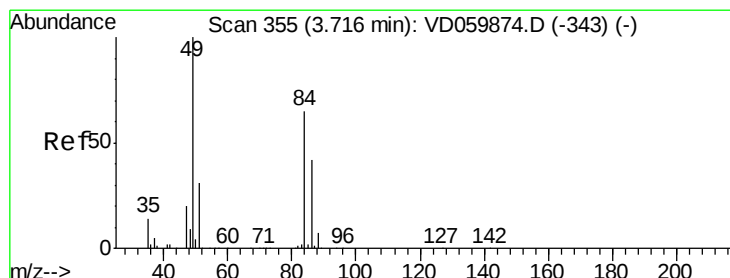
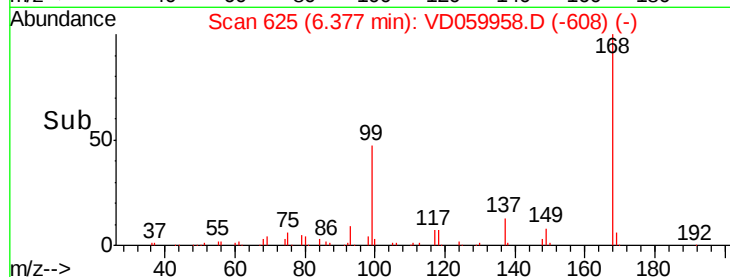
200000

100000

0

Time-->

6.20 6.30 6.40 6.50 6.60



#20

Methylene Chloride

Concen: 5.44 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.03 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

Tgt Ion: 84 Resp: 81599

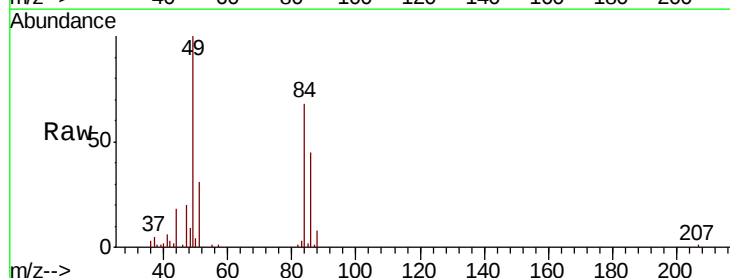
Ion Ratio Lower Upper

84 100

49 146.8 122.6 183.8

51 45.4 38.4 57.6

86 65.5 51.5 77.3



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

60000

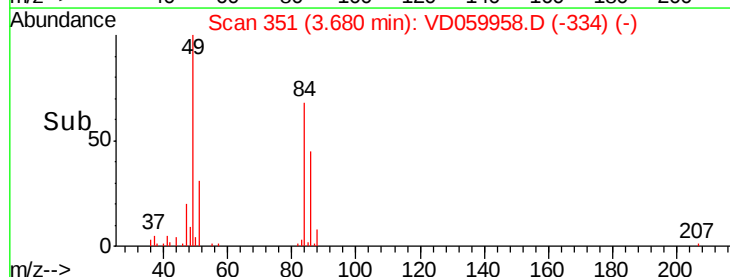
40000

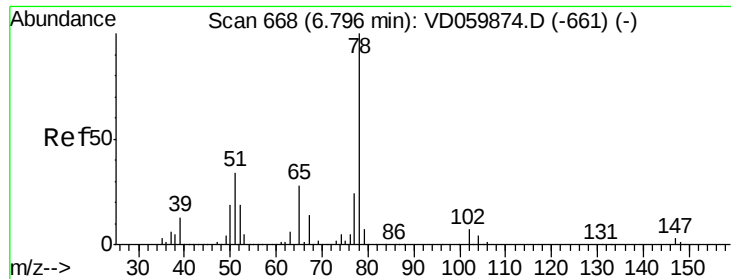
20000

0

Time-->

3.60 3.70 3.80 3.90





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.75 min Scan# 663

Delta R.T. -0.05 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

Instrument :

MSVOA_D

ClientSampleId :

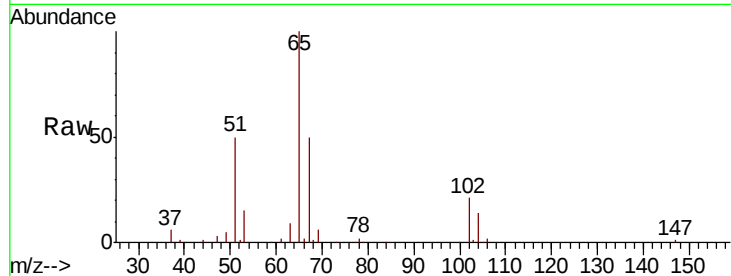
EP1-SUT-UST-11

Tot Ion: 65 Resp: 361960

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.75

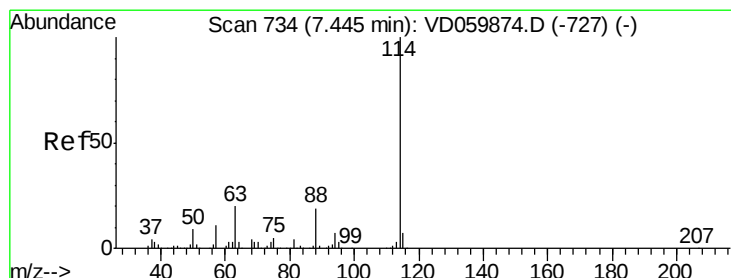
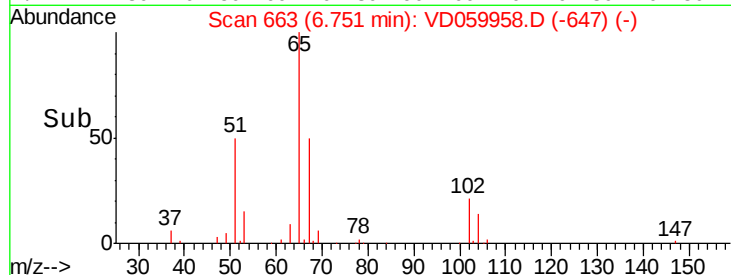
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.41 min Scan# 730

Delta R.T. -0.04 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

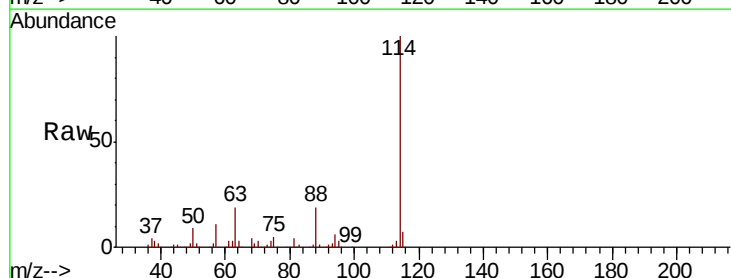
Tgt Ion: 114 Resp: 1246627

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.4

88 18.7 0.0 37.6



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

7.41

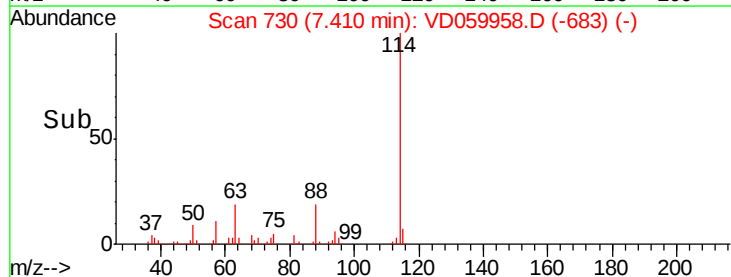
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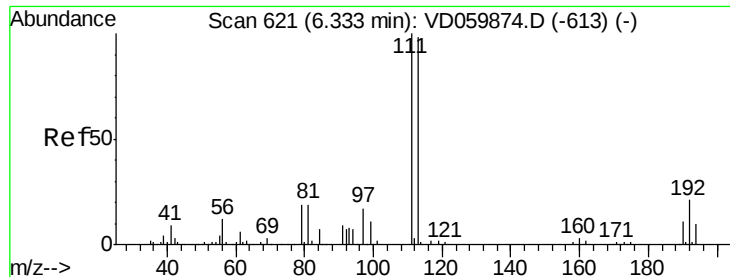
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200000

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Time-->

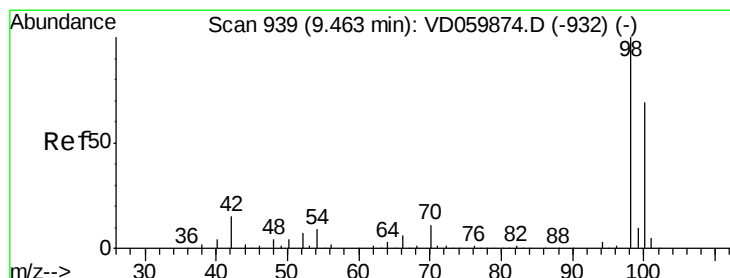
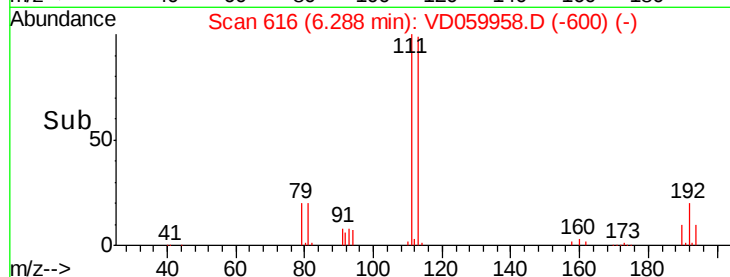
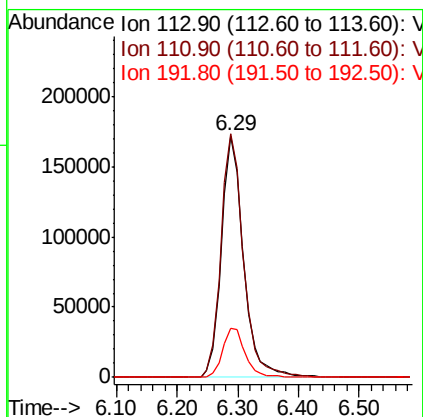
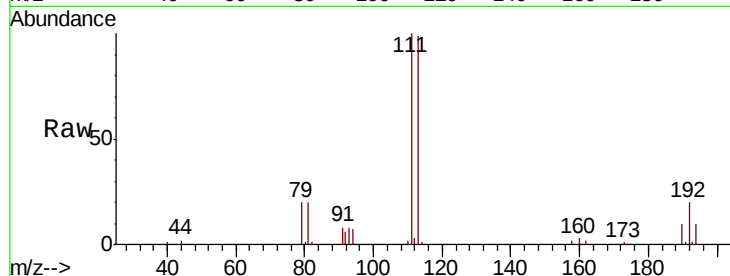




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.29 min Scan# 616
 Delta R.T. -0.05 min
 Lab File: VD059958.D
 Acq: 4 Sep 2018 21:42

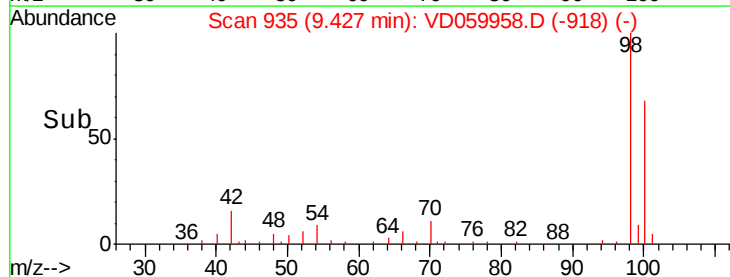
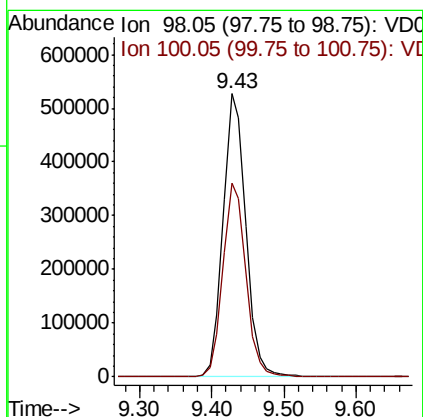
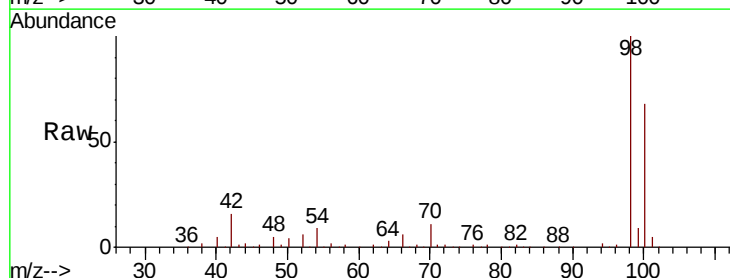
Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-11

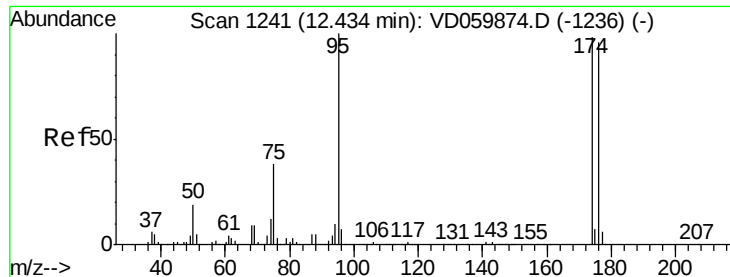
Tot Ion:113 Resp: 438161
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.4 122.2
 192 20.3 17.0 25.6



#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 9.43 min Scan# 935
 Delta R.T. -0.04 min
 Lab File: VD059958.D
 Acq: 4 Sep 2018 21:42

Tgt Ion: 98 Resp: 1149360
 Ion Ratio Lower Upper
 98 100
 100 68.3 55.8 83.6





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1238

Delta R.T. -0.03 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-11

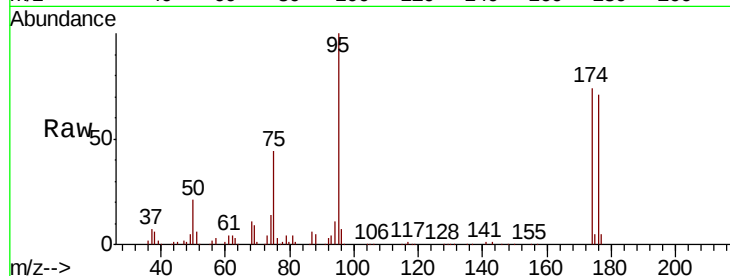
Tot Ion: 95 Resp: 457215

Ion Ratio Lower Upper

95 100

174 73.7 0.0 195.6

176 70.8 0.0 191.2



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

12.41

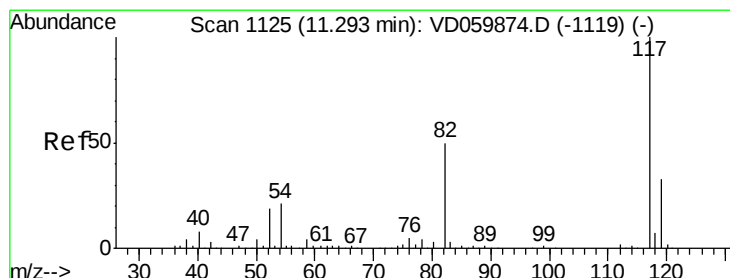
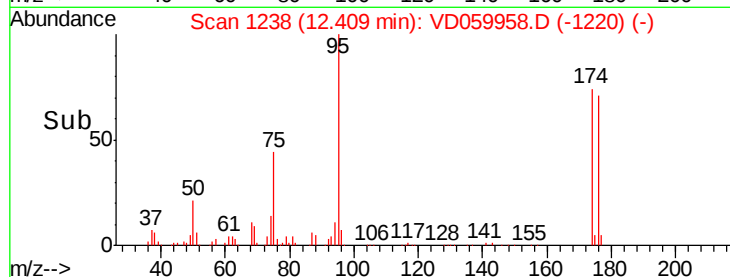
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.27 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

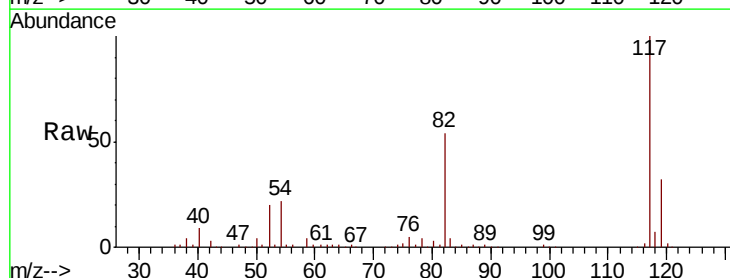
Tgt Ion: 117 Resp: 1041824

Ion Ratio Lower Upper

117 100

82 54.2 40.1 60.1

119 32.5 26.7 40.1



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

800000

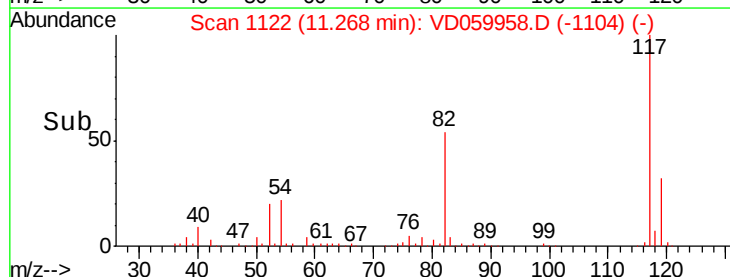
600000

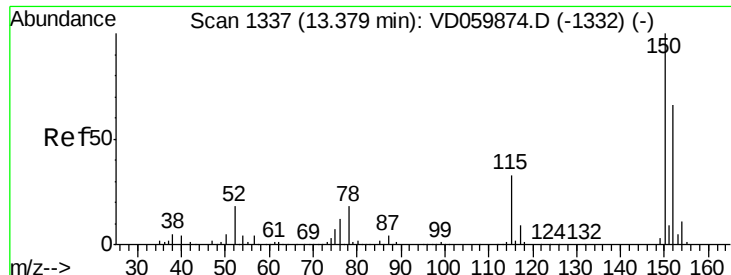
400000

200000

0

Time--> 11.20 11.30 11.40





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-11

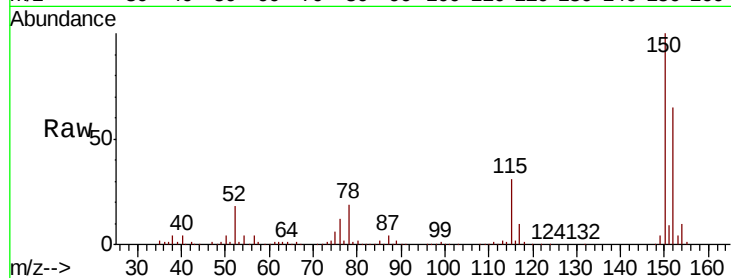
Tot Ion:152 Resp: 599146

Ion Ratio Lower Upper

152 100

115 48.4 25.7 77.0

150 154.5 0.0 310.2



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

