

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059822.D
 Acq On : 16 Aug 2018 20:38
 Operator : VA/AP
 Sample : J4501-07
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081318-SSW-45-022

Quant Time: Aug 17 06:37:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	214695	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.66	114	254152	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	165899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	50059	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	129069	46.79	ug/l	-0.02
Spiked Amount			Recovery	=	93.58%	
35) Dibromofluoromethane	5.52	113	113481	51.24	ug/l	-0.02
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	8.68	98	218308	41.62	ug/l	-0.03
Spiked Amount			Recovery	=	83.24%	
62) 4-Bromofluorobenzene	11.91	95	67126	28.57	ug/l	0.00
Spiked Amount			Recovery	=	57.14%	

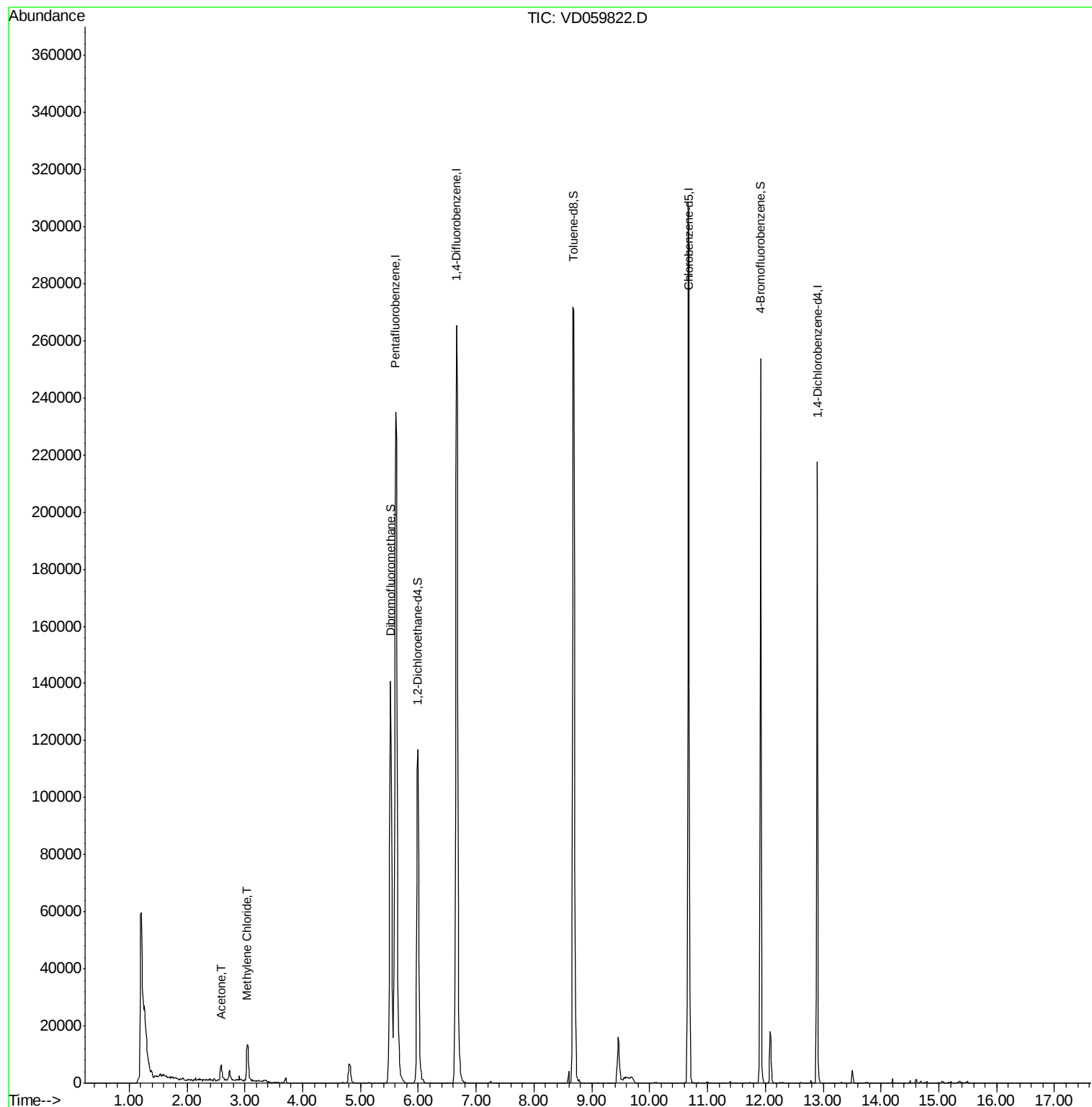
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.59	43	10451	24.01	ug/l	# 87
20) Methylene Chloride	3.04	84	6371	2.46	ug/l	98

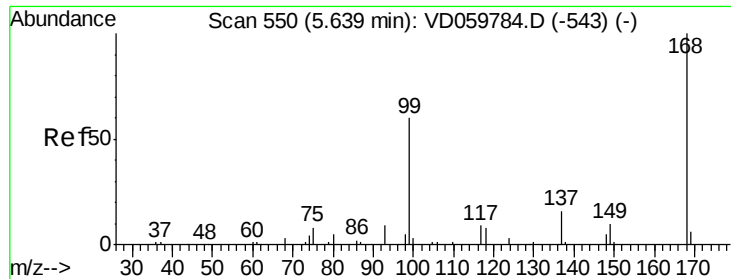
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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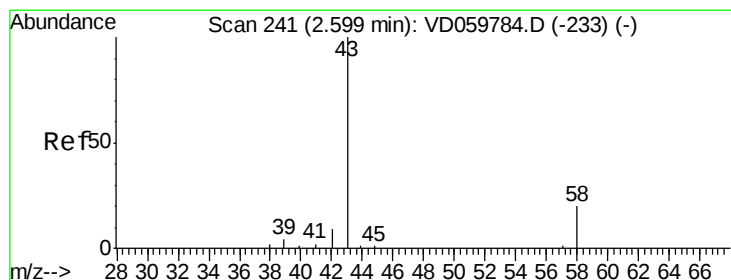
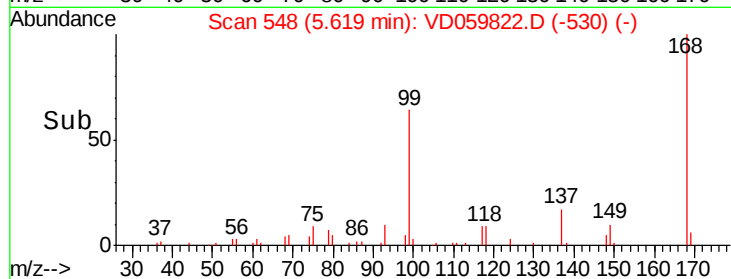
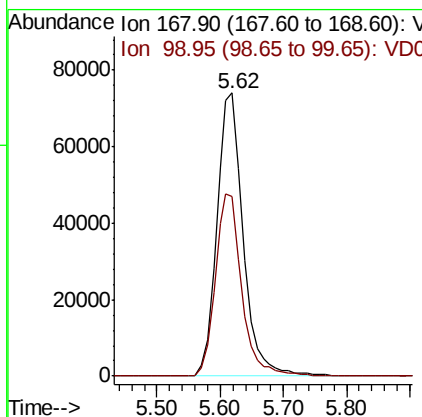
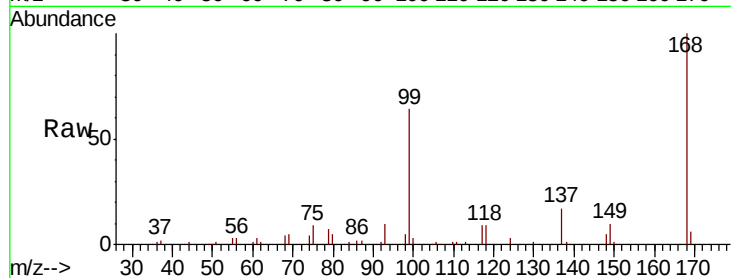




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.02 min
Lab File: VD059822.D
Acq: 16 Aug 2018 20:38

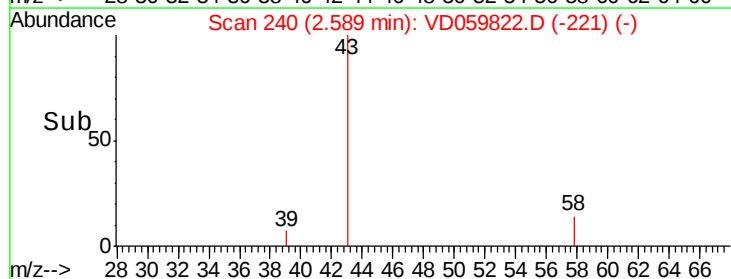
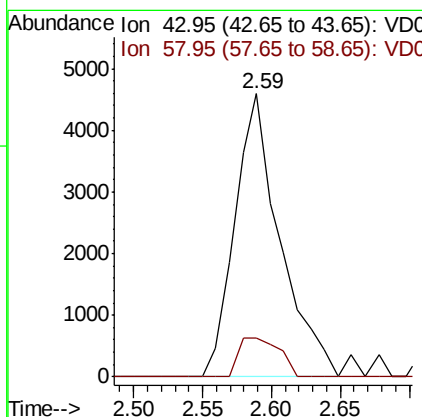
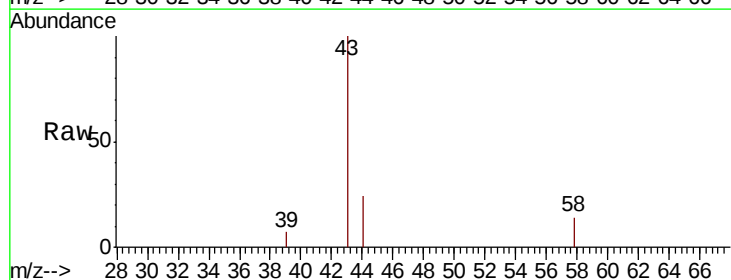
Instrument :
MSVOA_D
ClientSampleId :
RA-081318-SSW-45-022

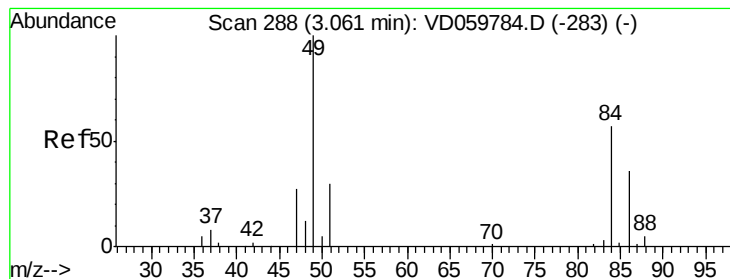
Tot Ion:168 Resp: 214695
Ion Ratio Lower Upper
168 100
99 63.7 50.3 75.5



#16
Acetone
Concen: 24.01 ug/l
RT: 2.59 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD059822.D
Acq: 16 Aug 2018 20:38

Tgt Ion: 43 Resp: 10451
Ion Ratio Lower Upper
43 100
58 13.8 15.7 23.5#





#20

Methylene Chloride

Concen: 2.46 ug/l

RT: 3.04 min Scan# 286

Delta R.T. -0.02 min

Lab File: VD059822.D

Acq: 16 Aug 2018 20:38

Instrument :

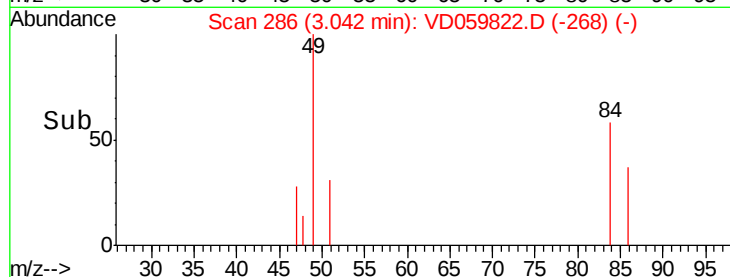
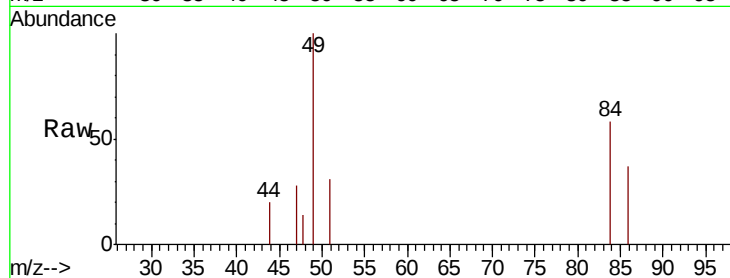
MSVOA_D

ClientSampleId :

RA-081318-SSW-45-022

Tot Ion: 84 Resp: 6371

Ion	Ratio	Lower	Upper
84	100		
49	172.2	140.9	211.3
51	53.5	42.8	64.2
86	63.2	51.3	76.9

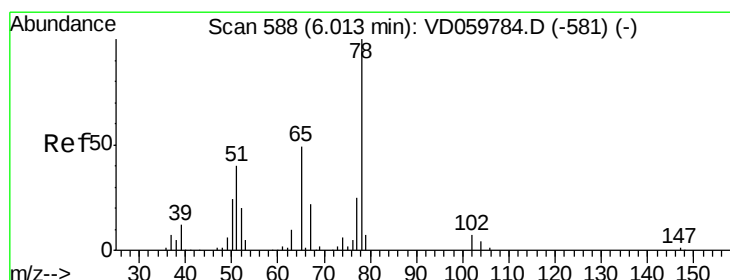
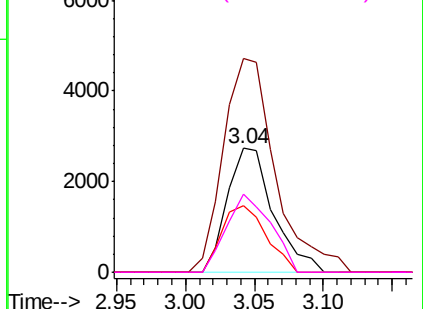


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 5.99 min Scan# 586

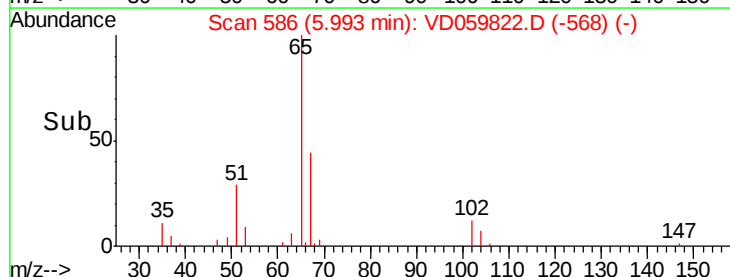
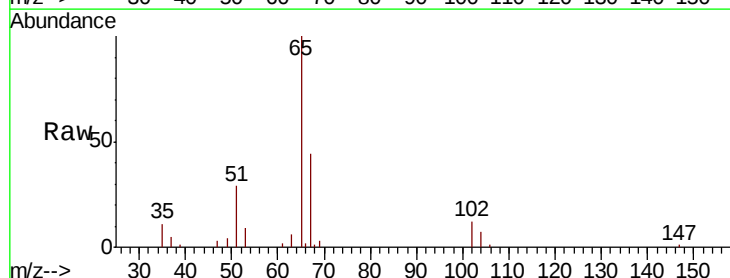
Delta R.T. -0.02 min

Lab File: VD059822.D

Acq: 16 Aug 2018 20:38

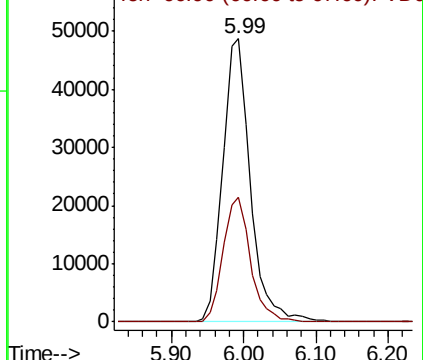
Tgt Ion: 65 Resp: 129069

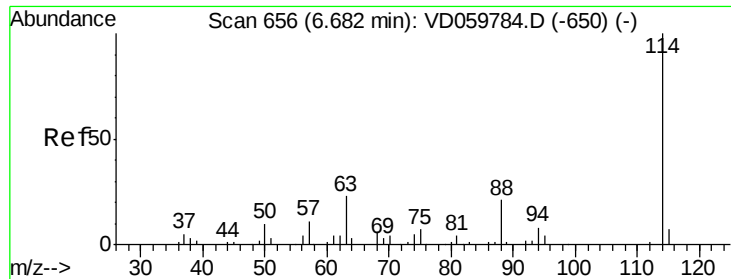
Ion	Ratio	Lower	Upper
65	100		
67	44.2	0.0	87.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

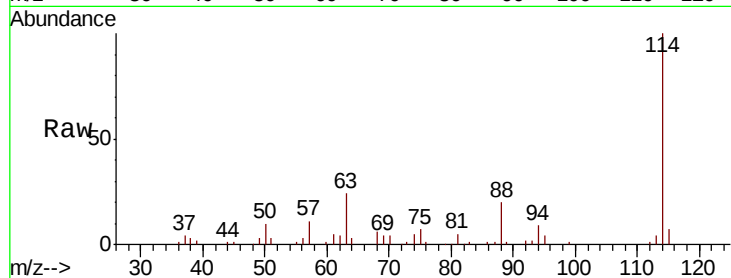




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: VD059822.D
 Acq: 16 Aug 2018 20:38

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081318-SSW-45-022

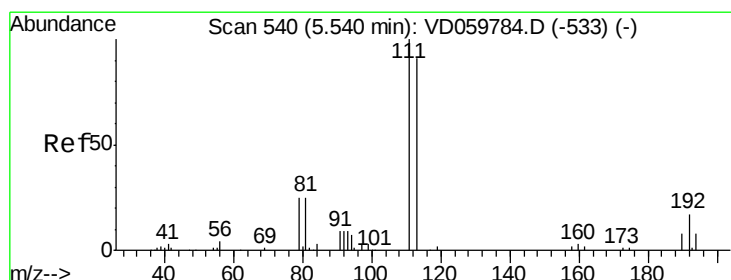
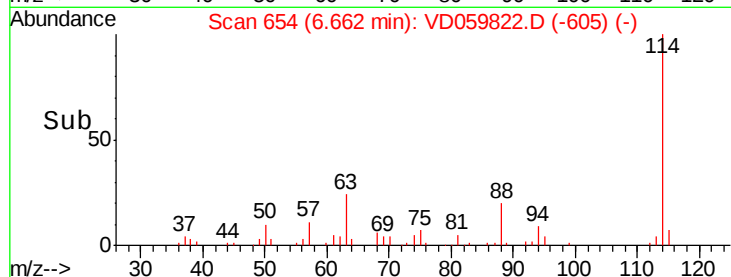
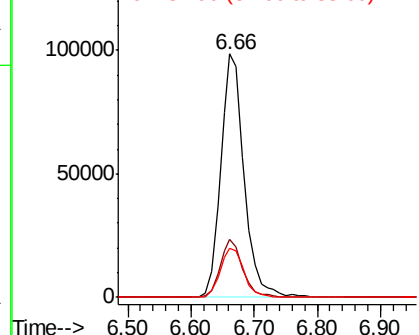
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	45.0
88	20.3	0.0	41.2



Abundance Ion 114.00 (113.70 to 114.70): V

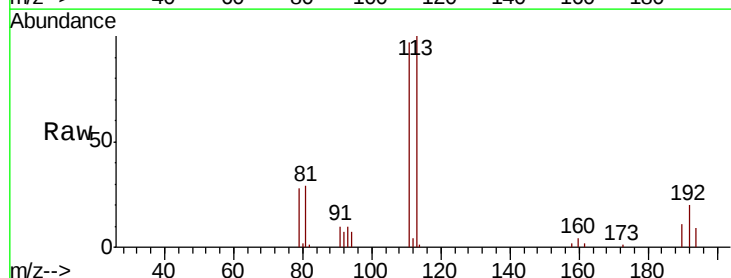
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.52 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: VD059822.D
 Acq: 16 Aug 2018 20:38

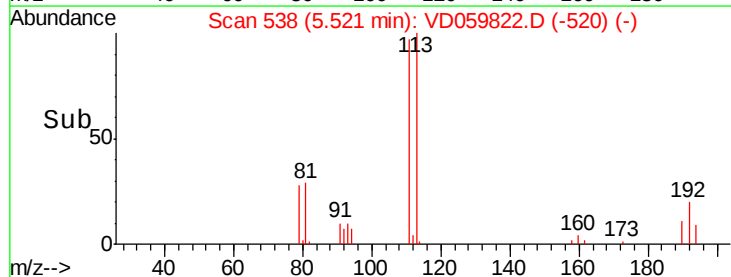
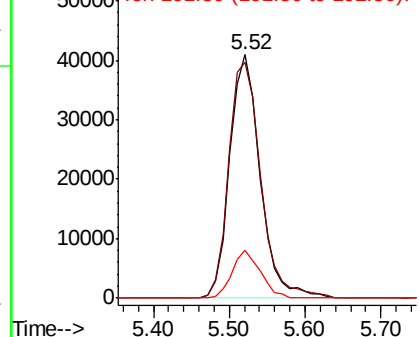
Tgt Ion	Ratio	Lower	Upper
113	100		
111	96.8	87.7	131.5
192	19.6	14.6	21.8

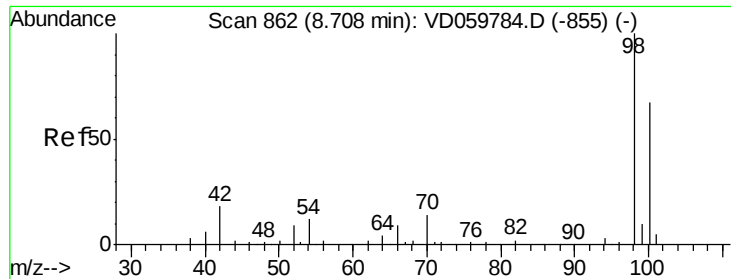


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.68 min Scan# 859

Delta R.T. -0.03 min

Lab File: VD059822.D

Acq: 16 Aug 2018 20:38

Instrument :

MSVOA_D

ClientSampleId :

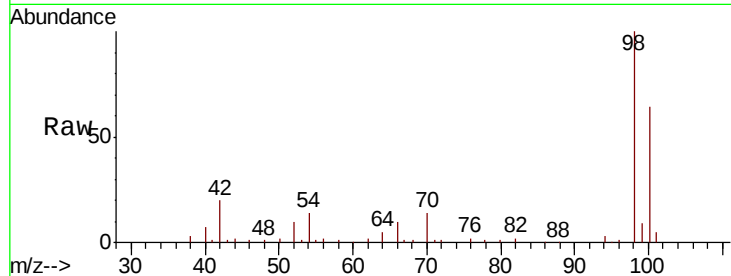
RA-081318-SSW-45-022

Tot Ion: 98 Resp: 218308

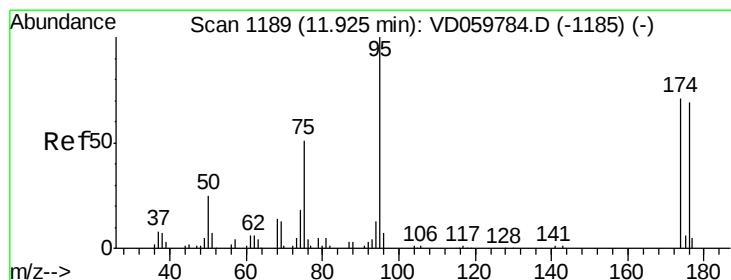
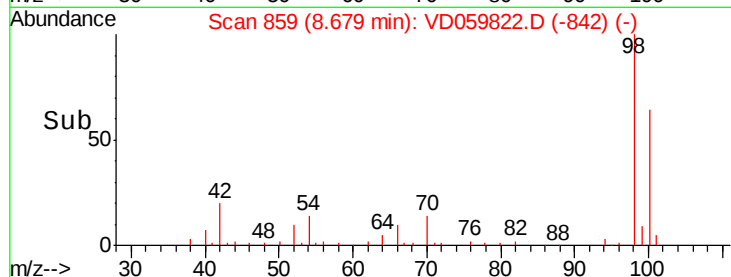
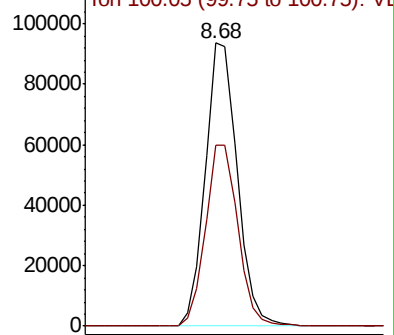
Ion Ratio Lower Upper

98 100

100 64.1 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): VD059784.D (-855) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.91 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059822.D

Acq: 16 Aug 2018 20:38

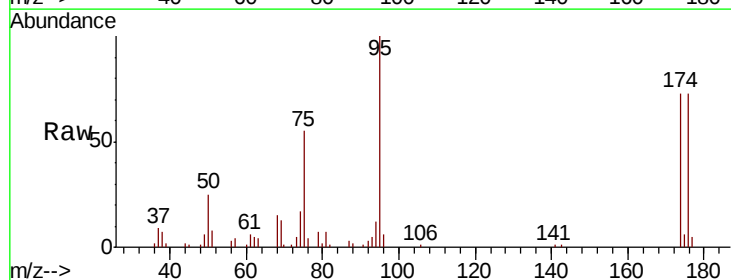
Tgt Ion: 95 Resp: 67126

Ion Ratio Lower Upper

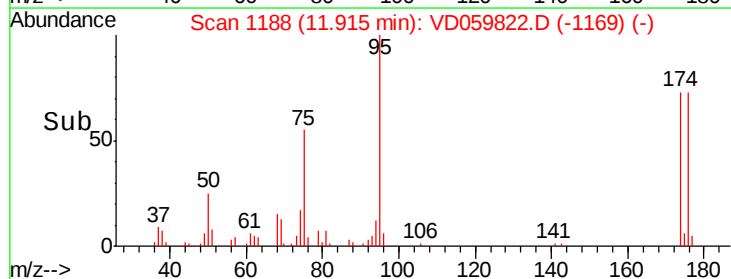
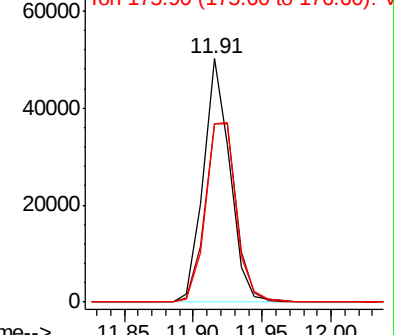
95 100

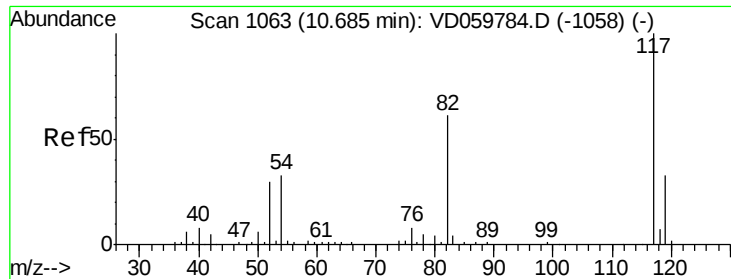
174 73.2 0.0 142.2

176 73.2 0.0 137.4



Abundance Ion 95.00 (94.70 to 95.70): VD059784.D (-1185) (-)





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD059822.D

Acq: 16 Aug 2018 20:38

Instrument :

MSVOA_D

ClientSampleId :

RA-081318-SSW-45-022

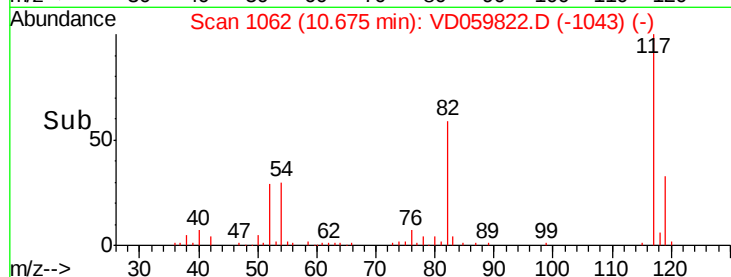
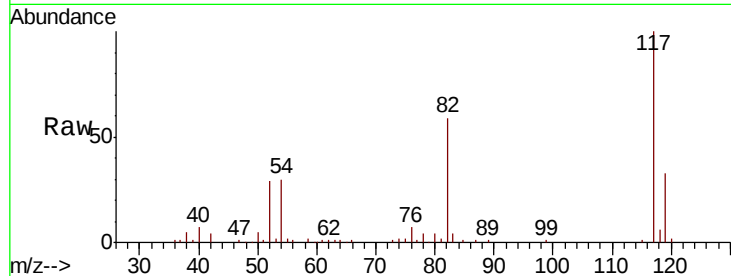
Tot Ion:117 Resp: 165899

Ion Ratio Lower Upper

117 100

82 58.9 49.0 73.6

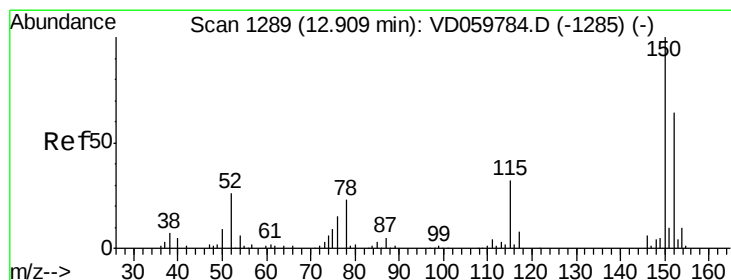
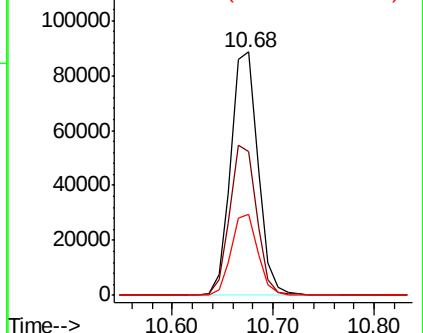
119 33.1 26.2 39.2



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: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059822.D

Acq: 16 Aug 2018 20:38

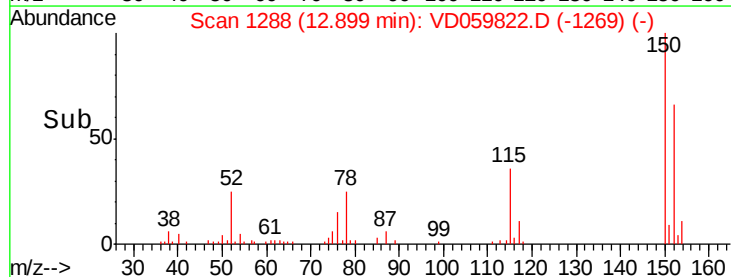
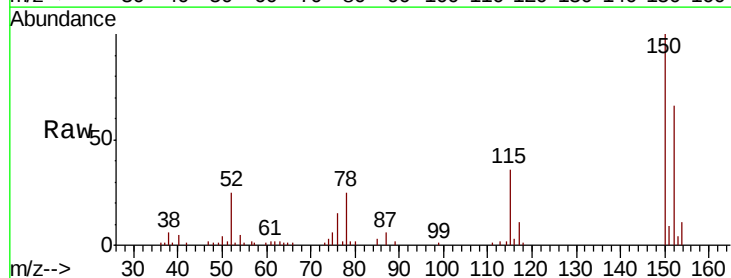
Tgt Ion:152 Resp: 50059

Ion Ratio Lower Upper

152 100

115 54.6 27.2 81.5

150 152.0 0.0 312.4



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

