

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059819.D
 Acq On : 16 Aug 2018 19:13
 Operator : VA/AP
 Sample : J4501-04
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081318-FL-019

Quant Time: Aug 17 06:29:51 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	227586	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.66	114	291984	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	213976	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	98549	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	143125	48.95	ug/l	-0.02
Spiked Amount			Recovery	=	97.90%	
35) Dibromofluoromethane	5.52	113	128380	50.45	ug/l	-0.02
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	8.69	98	259811	43.11	ug/l	-0.02
Spiked Amount			Recovery	=	86.22%	
62) 4-Bromofluorobenzene	11.91	95	98420	36.46	ug/l	-0.01
Spiked Amount			Recovery	=	72.92%	

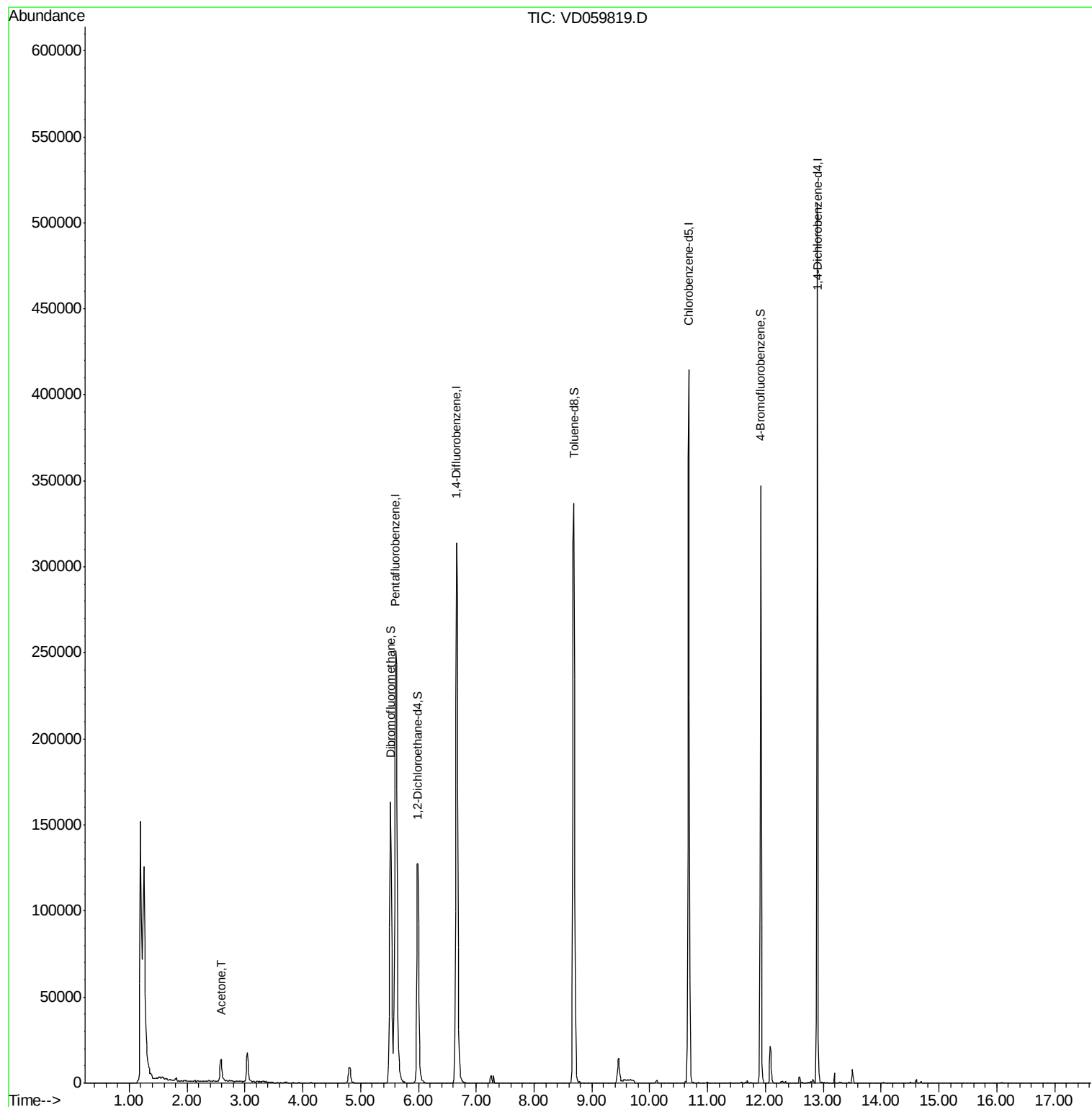
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.58	43	24927	54.02	ug/l	99

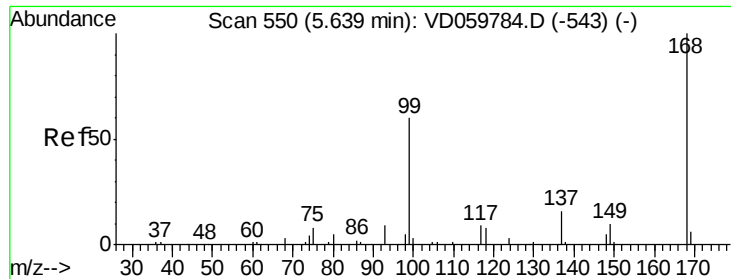
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD059819.D

Acq: 16 Aug 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

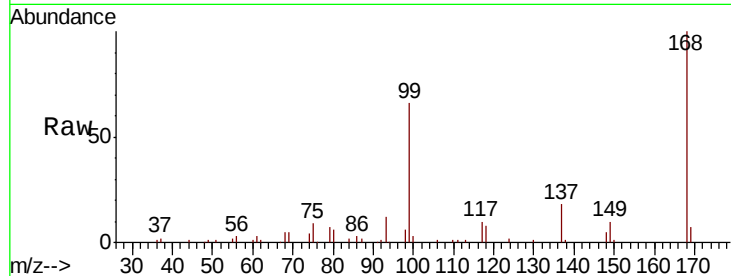
RA-081318-FL-019

Tot Ion:168 Resp: 227586

Ion Ratio Lower Upper

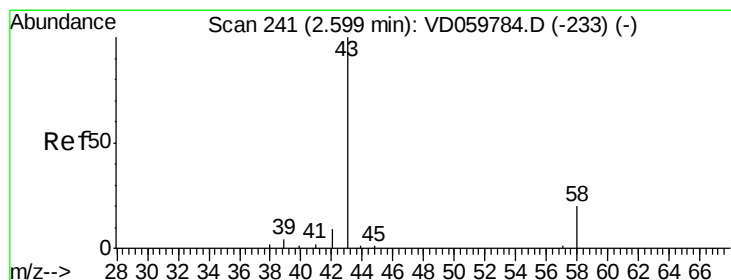
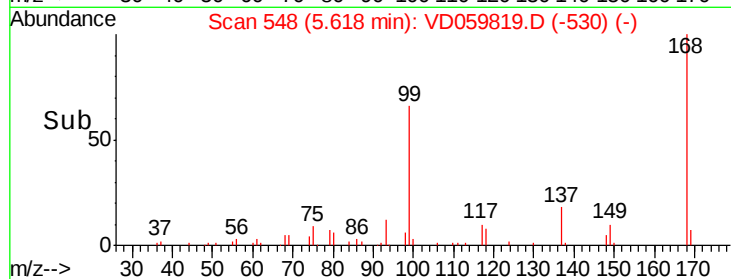
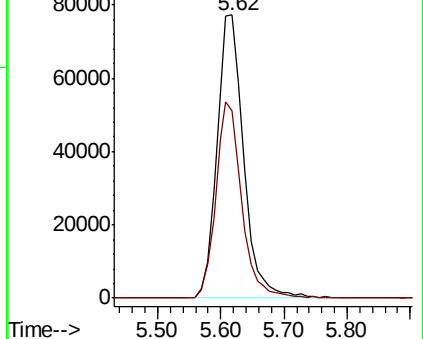
168 100

99 66.4 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 54.02 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD059819.D

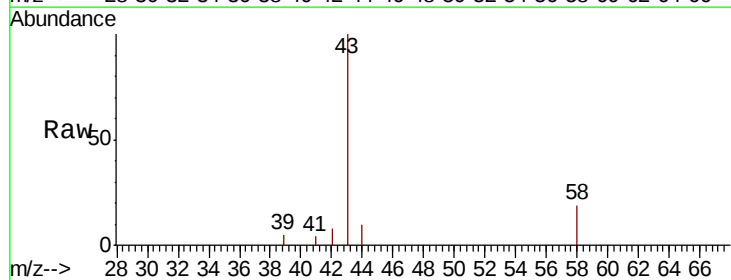
Acq: 16 Aug 2018 19:13

Tgt Ion: 43 Resp: 24927

Ion Ratio Lower Upper

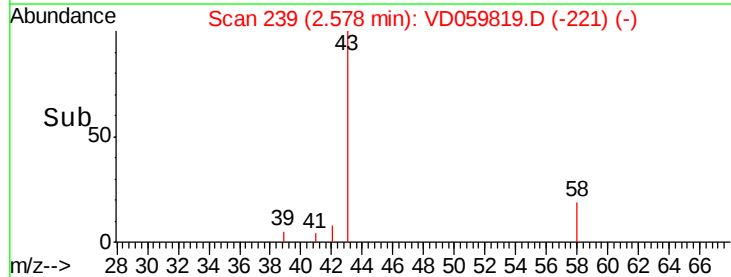
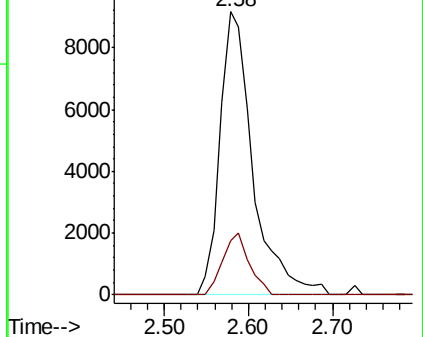
43 100

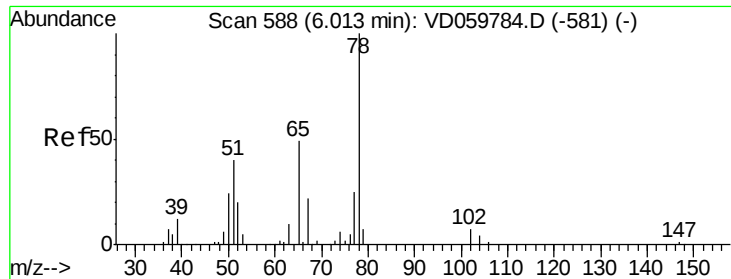
58 19.4 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

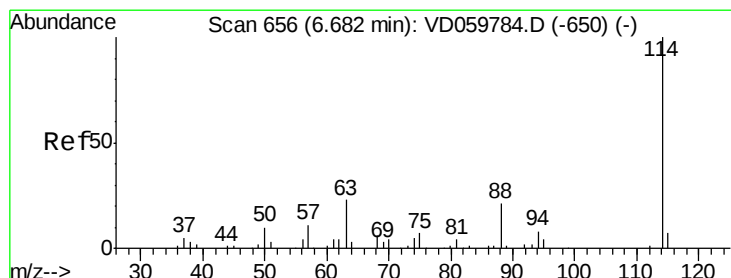
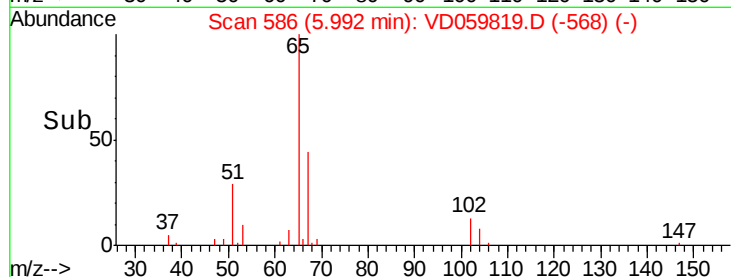
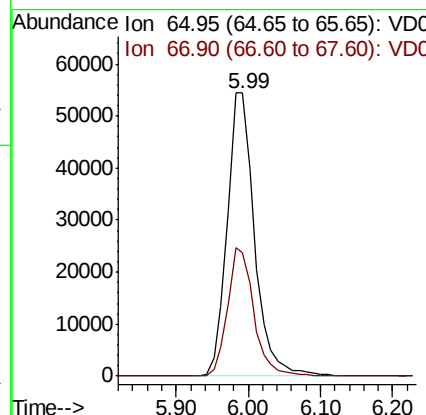
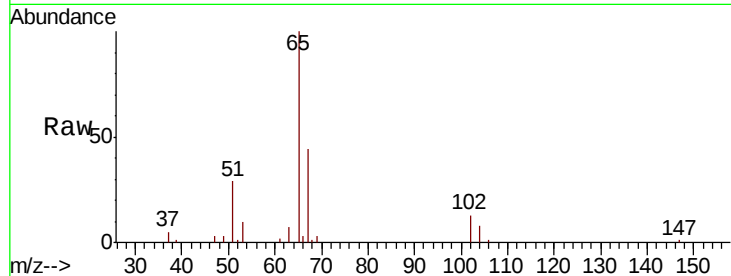




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. -0.02 min
 Lab File: VD059819.D
 Acq: 16 Aug 2018 19:13

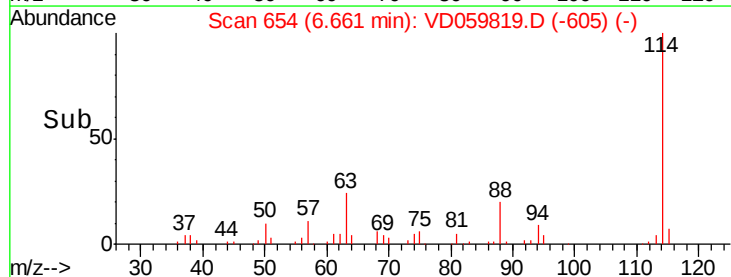
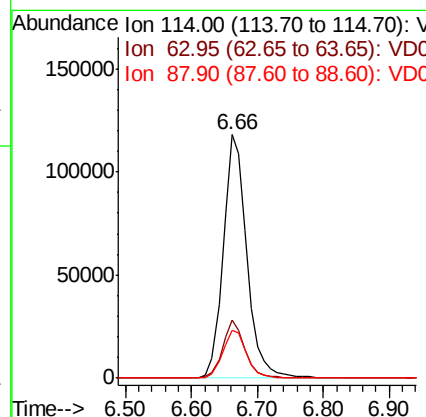
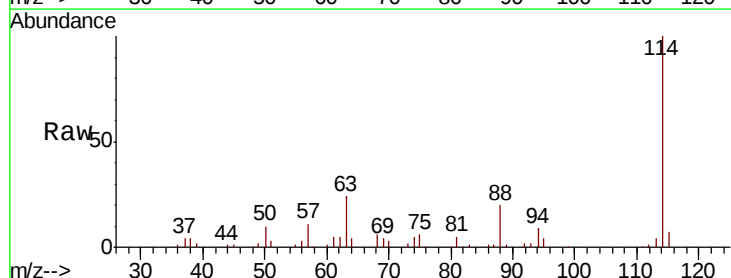
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081318-FL-019

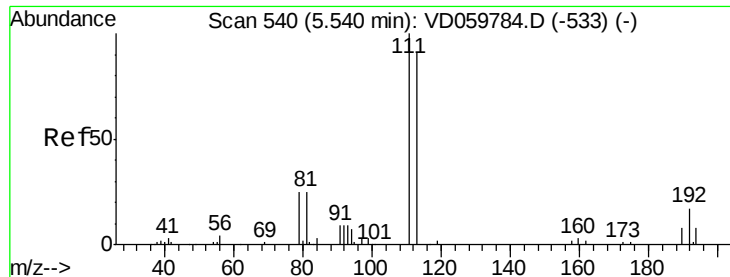
Tot Ion: 65 Resp: 143125
 Ion Ratio Lower Upper
 65 100
 67 43.6 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: VD059819.D
 Acq: 16 Aug 2018 19:13

Tgt Ion: 114 Resp: 291984
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.0
 88 19.8 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.02 min

Lab File: VD059819.D

Acq: 16 Aug 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

RA-081318-FL-019

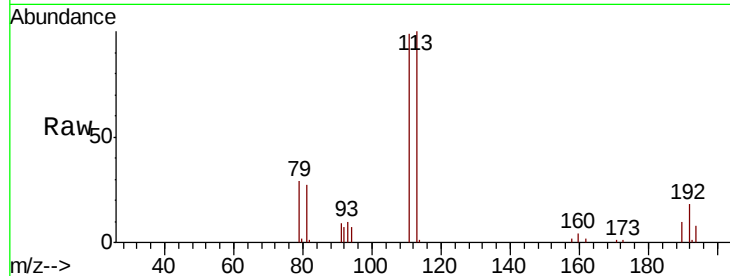
Tot Ion:113 Resp: 128380

Ion Ratio Lower Upper

113 100

111 99.0 87.7 131.5

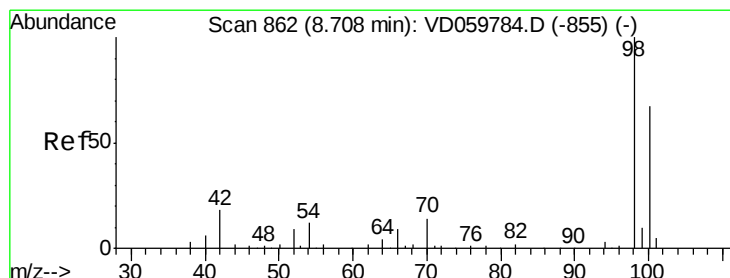
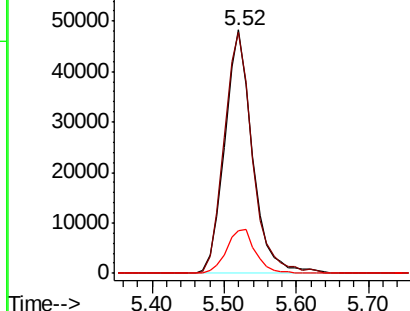
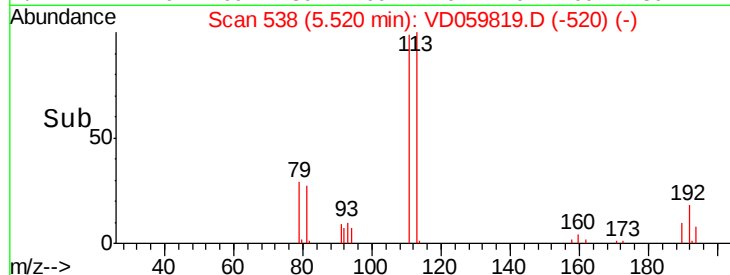
192 17.7 14.6 21.8



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: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059819.D

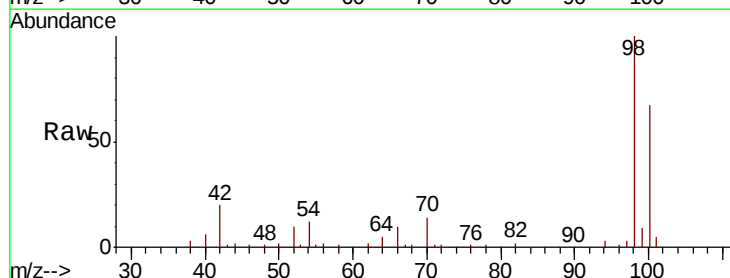
Acq: 16 Aug 2018 19:13

Tgt Ion: 98 Resp: 259811

Ion Ratio Lower Upper

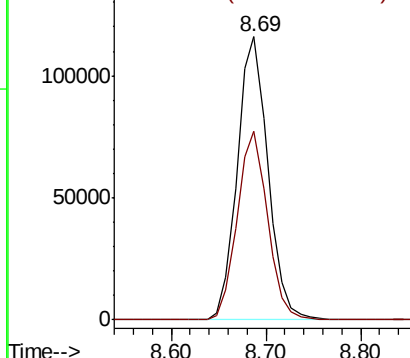
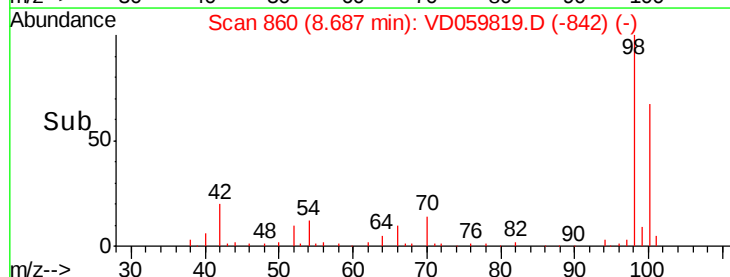
98 100

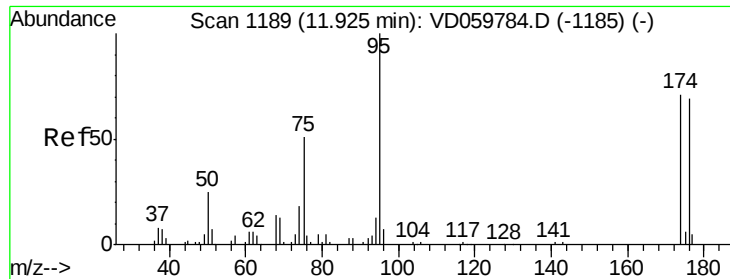
100 66.5 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

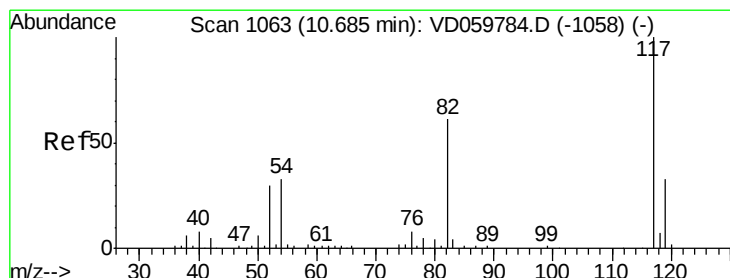
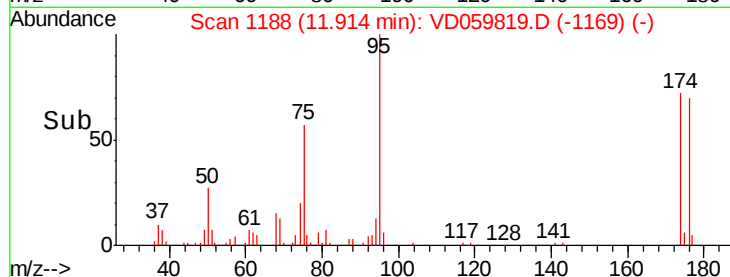
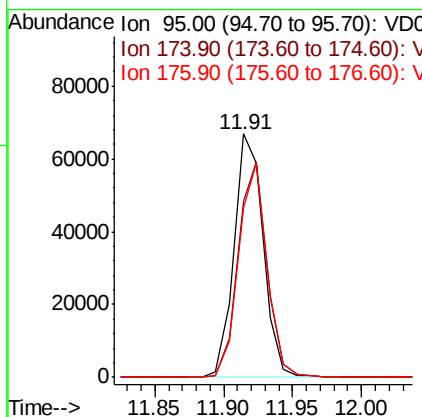
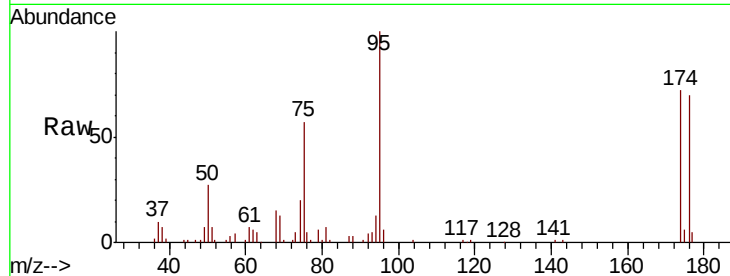




#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 11.91 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD059819.D
 Acq: 16 Aug 2018 19:13

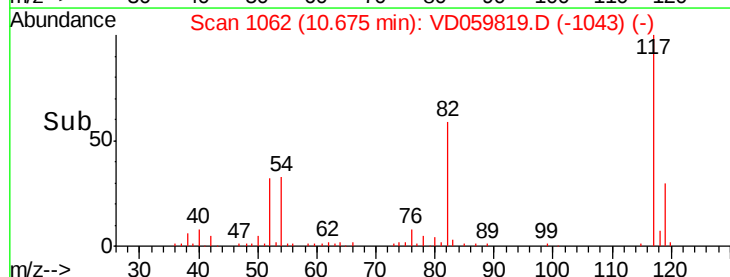
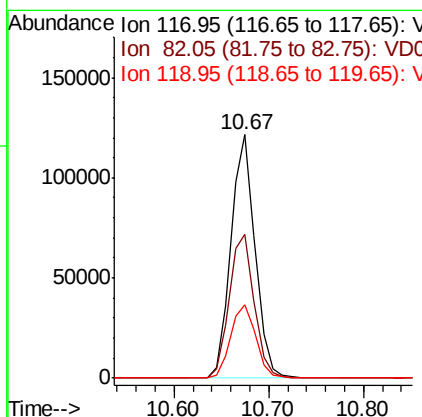
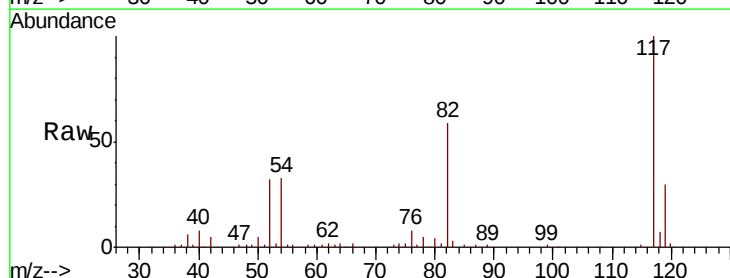
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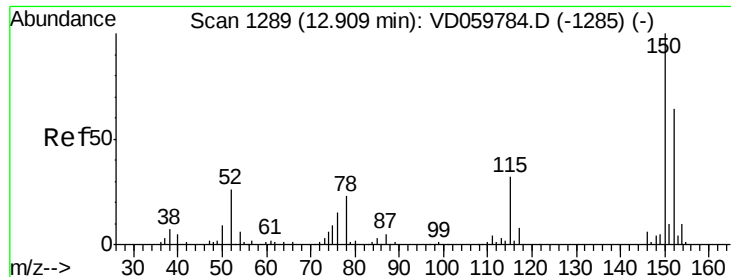
Tot Ion: 95 Resp: 98420
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 142.2
 176 69.5 0.0 137.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.67 min Scan# 1062
 Delta R.T. -0.01 min
 Lab File: VD059819.D
 Acq: 16 Aug 2018 19:13

Tgt Ion: 117 Resp: 213976
 Ion Ratio Lower Upper
 117 100
 82 59.3 49.0 73.6
 119 30.3 26.2 39.2

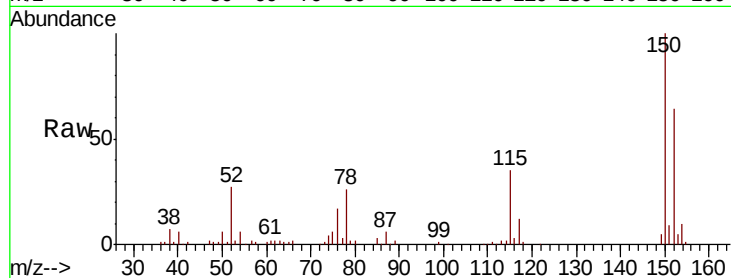




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: VD059819.D
 Acq: 16 Aug 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081318-FL-019

Tot Ion:152 Resp: 98549
 Ion Ratio Lower Upper
 152 100
 115 55.5 27.2 81.5
 150 156.7 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

