

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059521.D
 Acq On : 3 Jul 2018 00:43
 Operator : VA/AP
 Sample : J3771-01
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 REACTOR-PAD

Quant Time: Jul 03 09:39:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 09:04:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	426981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	625216	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	491889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	241475	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	311612	55.88	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	111.76%	
35) Dibromofluoromethane	5.52	113	208085	39.57	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	79.14%	
50) Toluene-d8	8.68	98	613251	50.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.92	95	260917	50.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.32%	

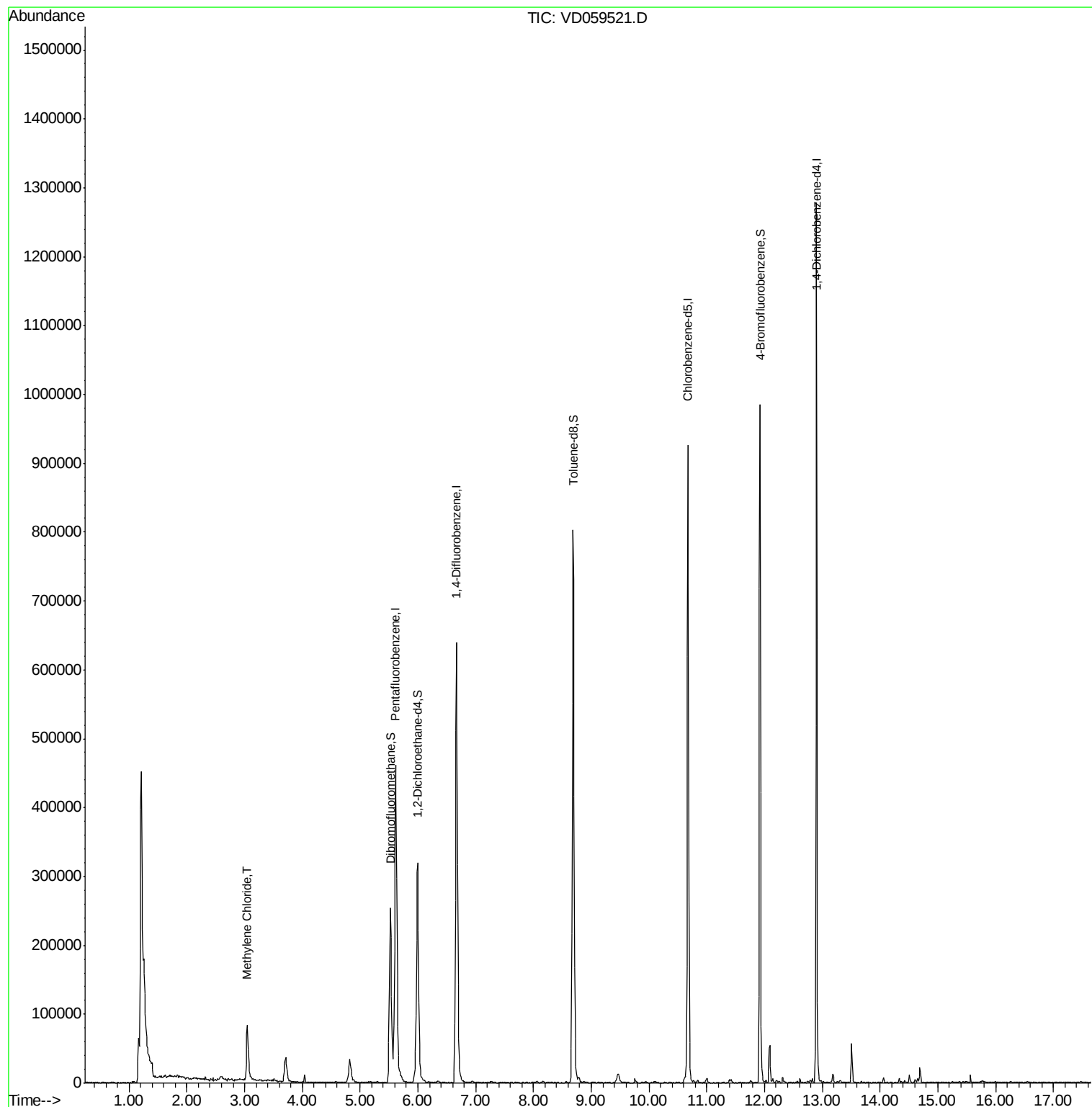
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.04	84	39889	13.74	ug/l	95

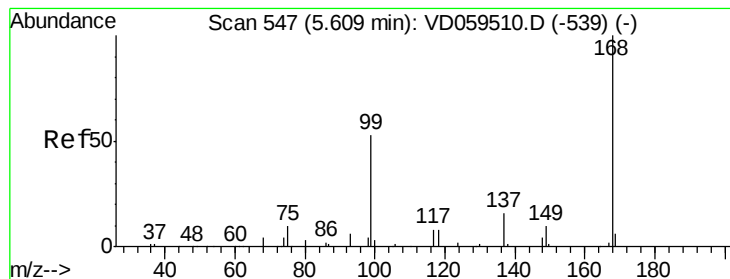
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 03 09:04:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

Instrument :

MSVOA_D

ClientSampleId :

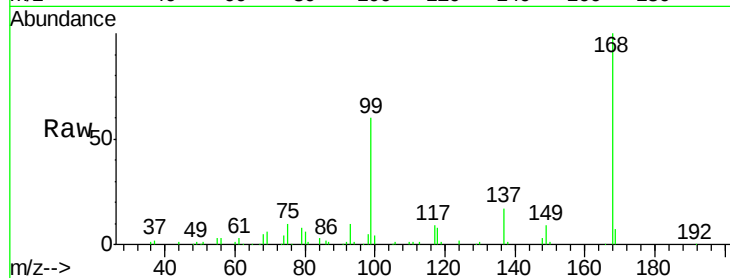
REACTOR-PAD

Tot Ion:168 Resp: 426981

Ion Ratio Lower Upper

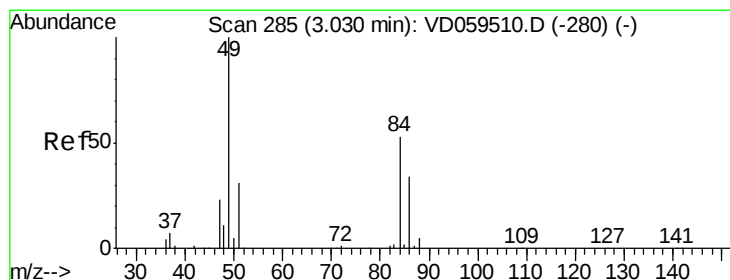
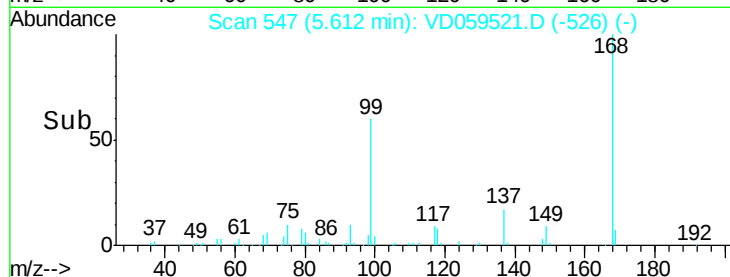
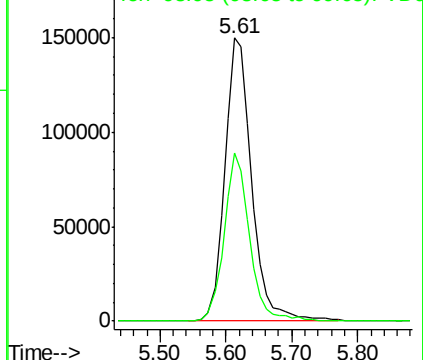
168 100

99 59.5 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 13.74 ug/l

RT: 3.04 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

Tgt Ion: 84 Resp: 39889

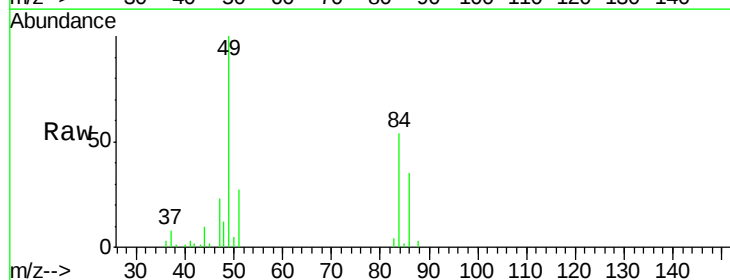
Ion Ratio Lower Upper

84 100

49 184.2 152.2 228.2

51 50.0 46.5 69.7

86 64.1 52.5 78.7

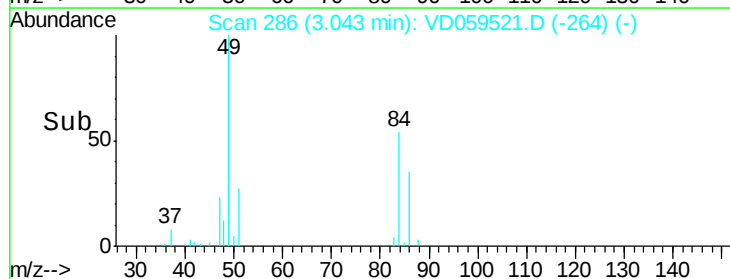
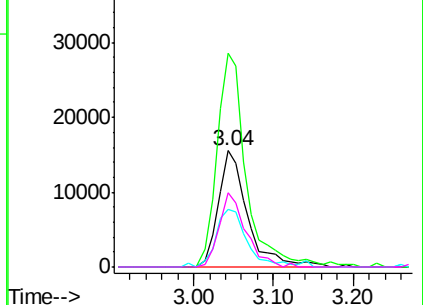


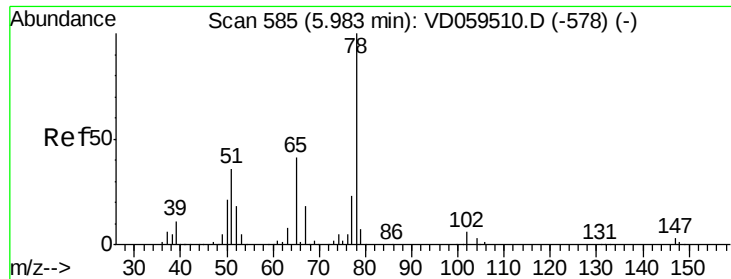
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

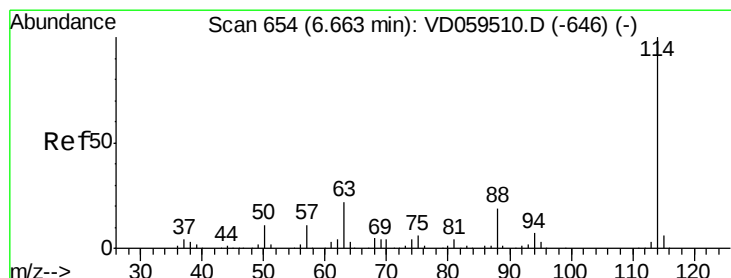
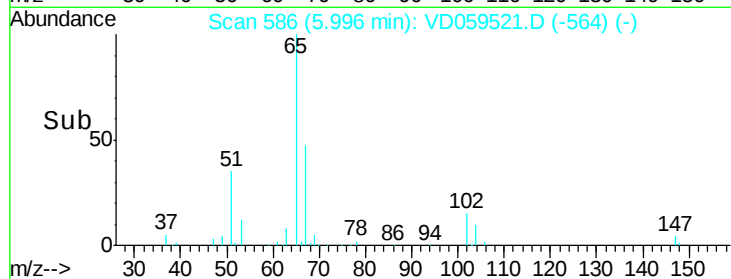
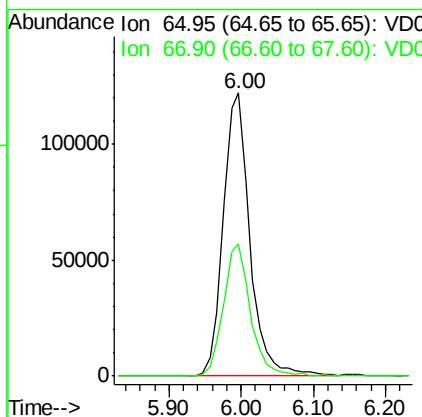
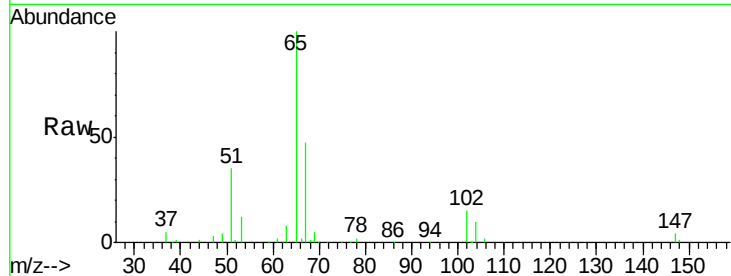




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.00 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VD059521.D
 Acq: 3 Jul 2018 00:43

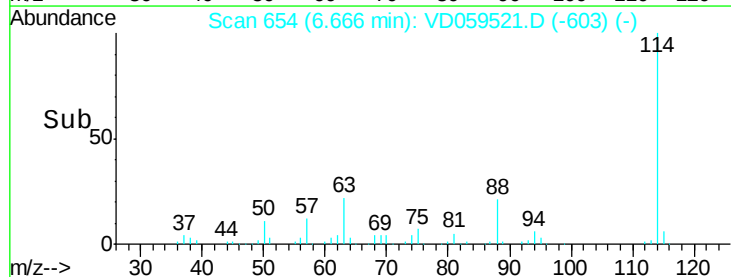
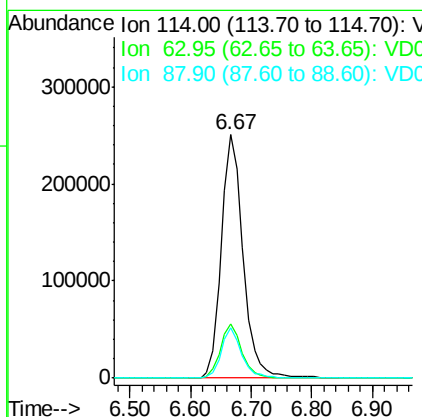
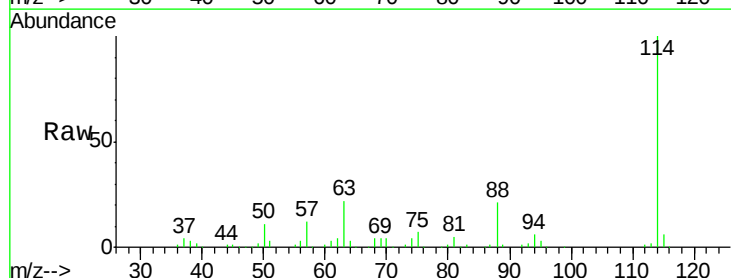
Instrument :
 MSVOA_D
 ClientSampleId :
 REACTOR-PAD

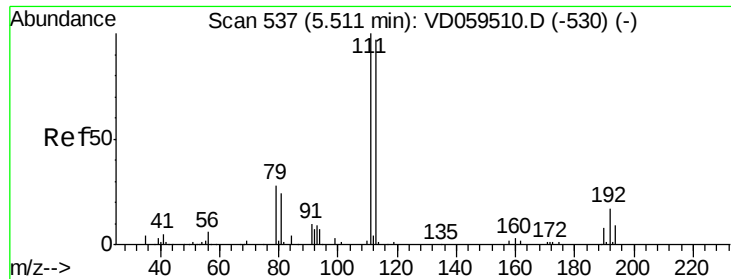
Tot Ion: 65 Resp: 311612
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VD059521.D
 Acq: 3 Jul 2018 00:43

Tgt Ion: 114 Resp: 625216
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.4
 88 20.5 0.0 37.8

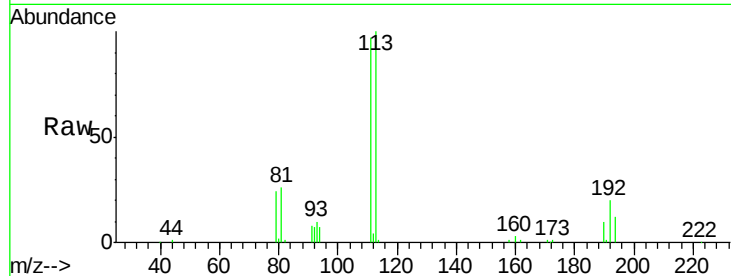




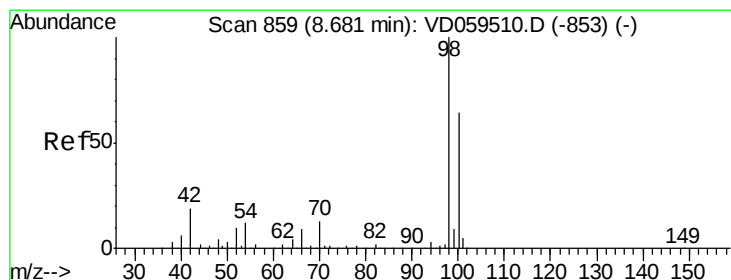
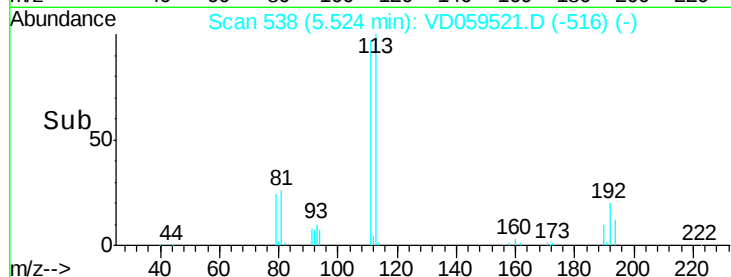
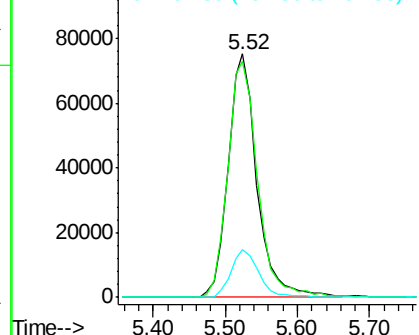
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.52 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VD059521.D
 Acq: 3 Jul 2018 00:43

Instrument :
 MSVOA_D
 ClientSampleId :
 REACTOR-PAD

Tot Ion:113 Resp: 208085
 Ion Ratio Lower Upper
 113 100
 111 96.8 82.7 124.1
 192 19.6 14.2 21.2

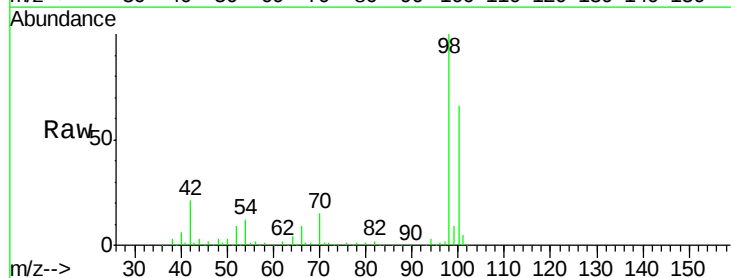


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

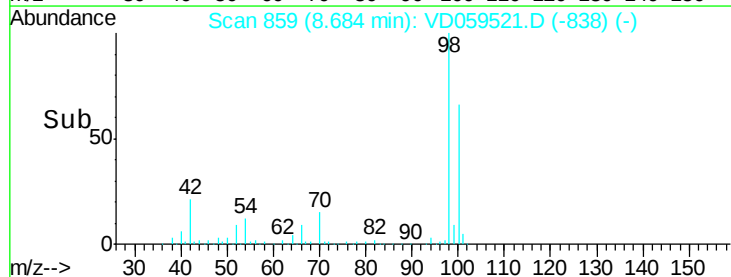
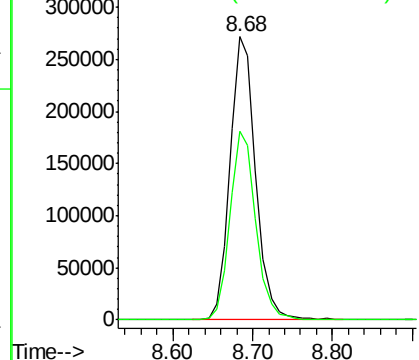


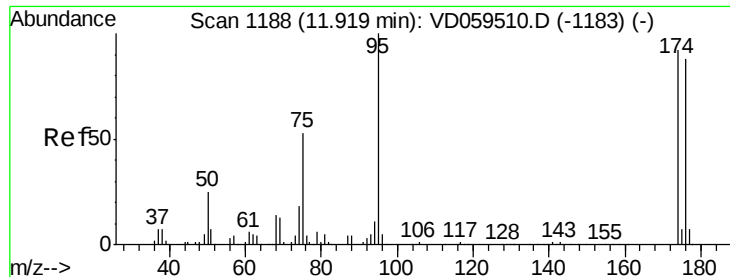
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 8.68 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VD059521.D
 Acq: 3 Jul 2018 00:43

Tgt Ion: 98 Resp: 613251
 Ion Ratio Lower Upper
 98 100
 100 66.4 51.8 77.8



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-PAD

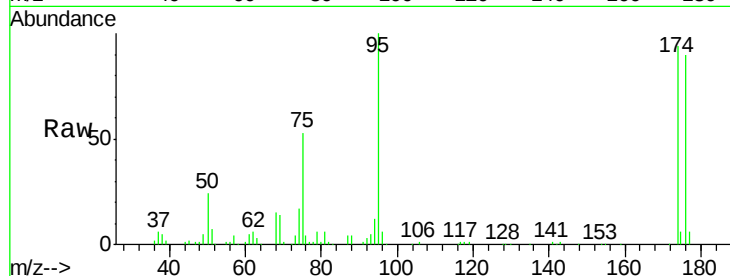
Tot Ion: 95 Resp: 260917

Ion Ratio Lower Upper

95 100

174 94.4 0.0 183.0

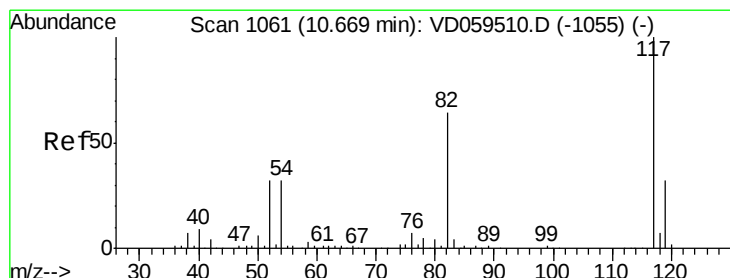
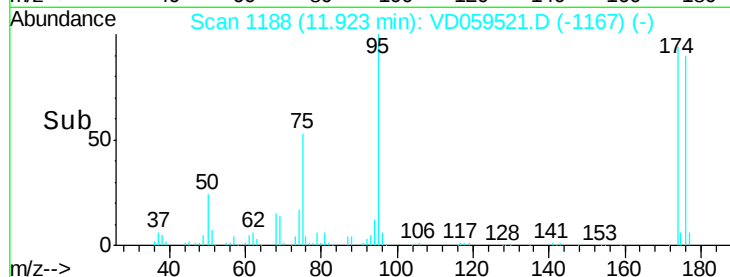
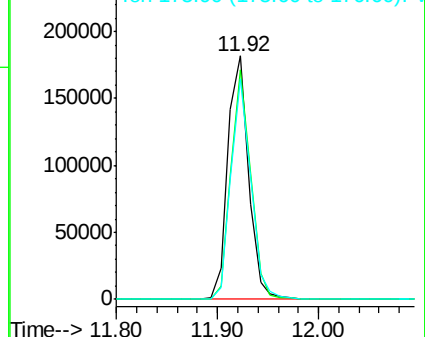
176 90.5 0.0 176.6



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: 50.00 ug/l

RT: 10.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

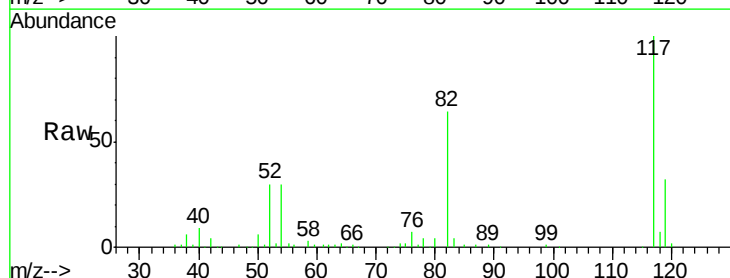
Tgt Ion: 117 Resp: 491889

Ion Ratio Lower Upper

117 100

82 64.4 51.1 76.7

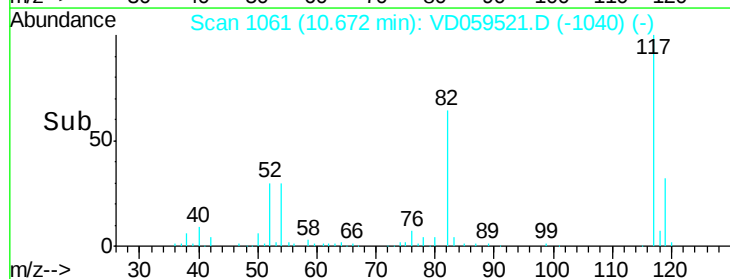
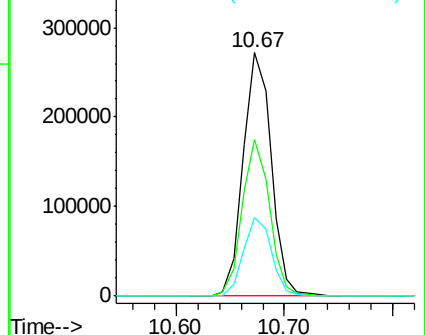
119 32.2 25.6 38.4

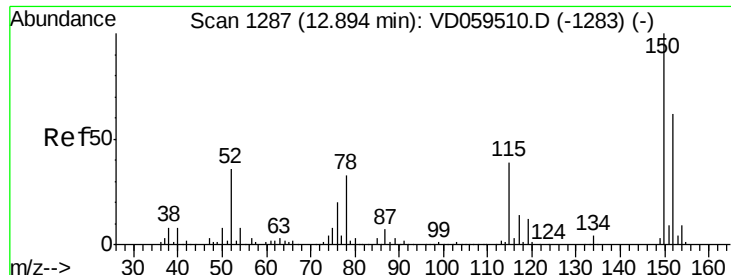


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-PAD

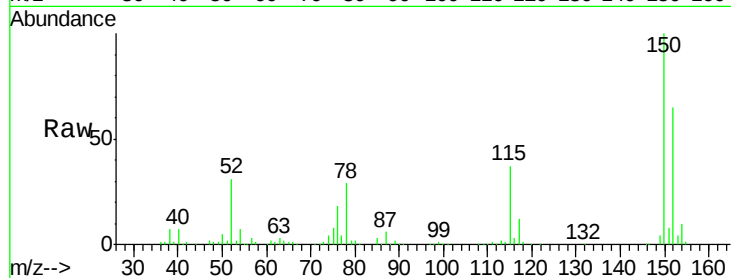
Tot Ion:152 Resp: 241475

Ion Ratio Lower Upper

152 100

115 57.6 31.3 93.9

150 154.2 0.0 323.6



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

