

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059467.D
 Acq On : 28 Jun 2018 17:20
 Operator : VA/AP
 Sample : J3629-09RE
 Misc : 5.89g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C10-04RE

Quant Time: Jun 29 01:55:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	461958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	641435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	411840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	122523	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	341266	72.24	ug/l	0.00
Spiked Amount						
			Recovery	=	144.48%	
35) Dibromofluoromethane	5.56	113	335304	64.18	ug/l	0.00
Spiked Amount						
			Recovery	=	128.36%	
50) Toluene-d8	8.72	98	622587	50.97	ug/l	0.00
Spiked Amount						
			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.94	95	184044	36.23	ug/l	0.00
Spiked Amount						
			Recovery	=	72.46%	

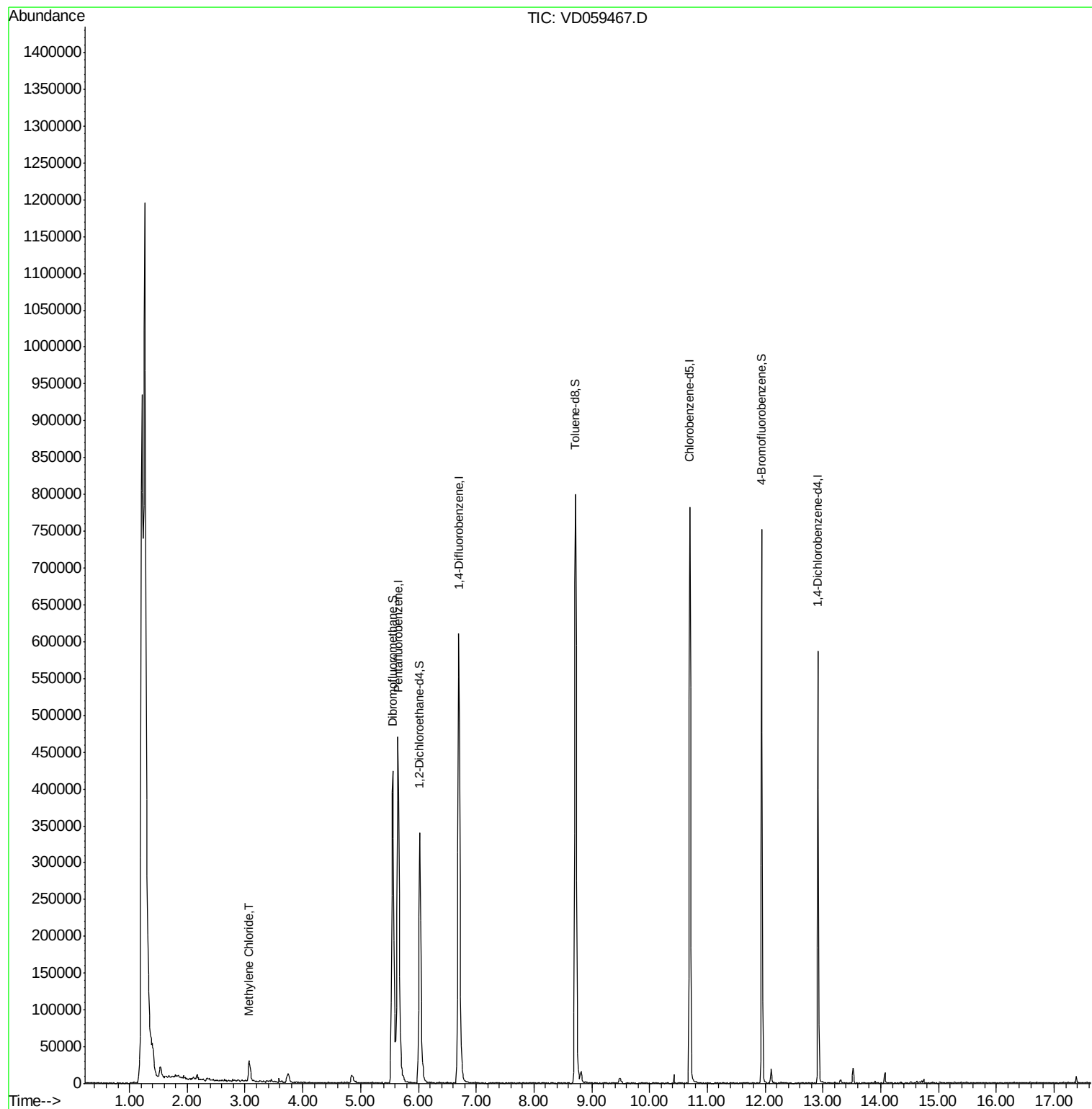
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.08	84	14030	6.30	ug/l	# 89

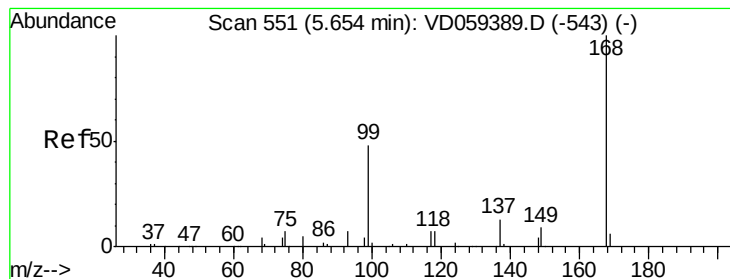
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059467.D

Acq: 28 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

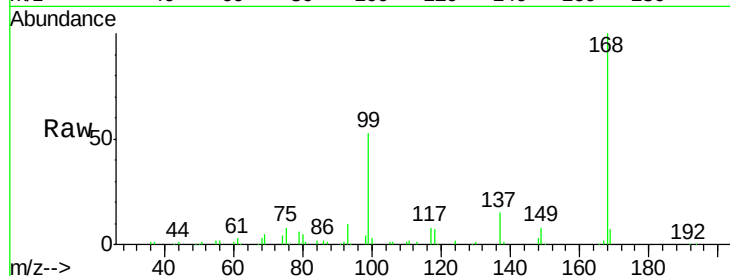
A0C10-04RE

Tot Ion:168 Resp: 461958

Ion Ratio Lower Upper

168 100

99 53.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

150000

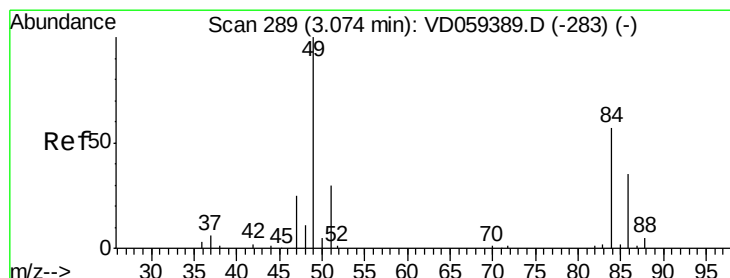
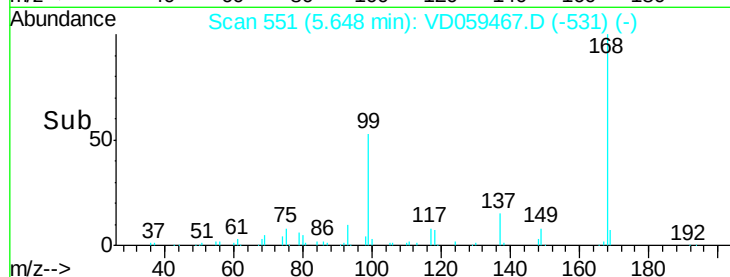
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 6.30 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.00 min

Lab File: VD059467.D

Acq: 28 Jun 2018 17:20

Tgt Ion: 84 Resp: 14030

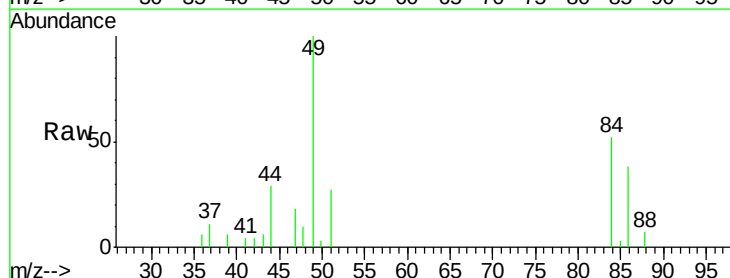
Ion Ratio Lower Upper

84 100

49 192.9 140.3 210.5

51 52.1 41.6 62.4

86 74.2 49.4 74.2#



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

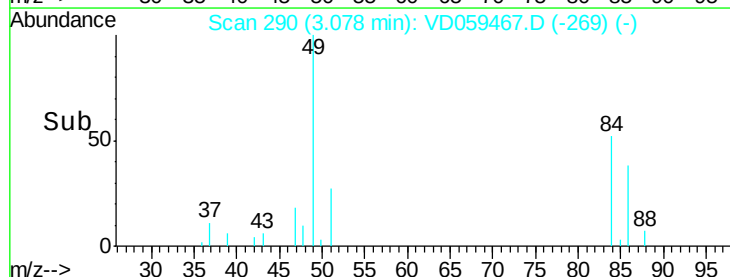
10000

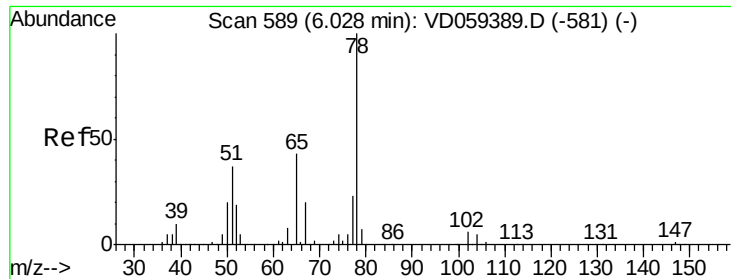
5000

0

Time-->

3.00 3.10 3.20

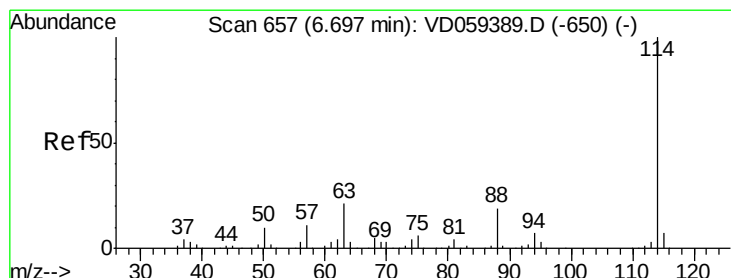
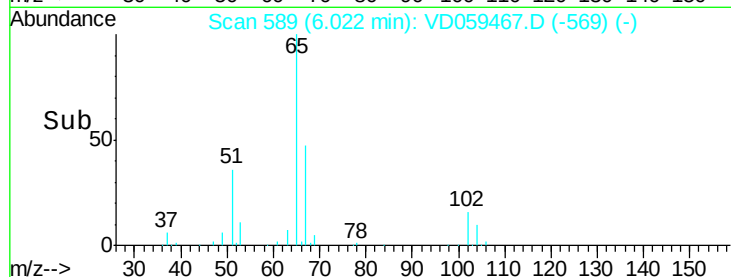
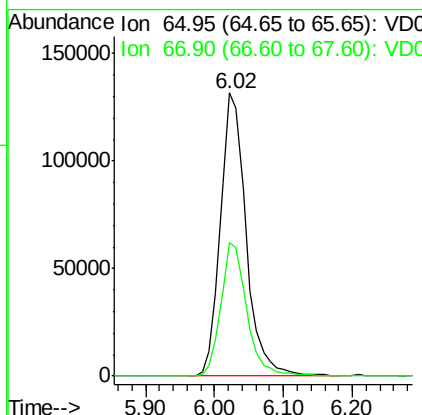
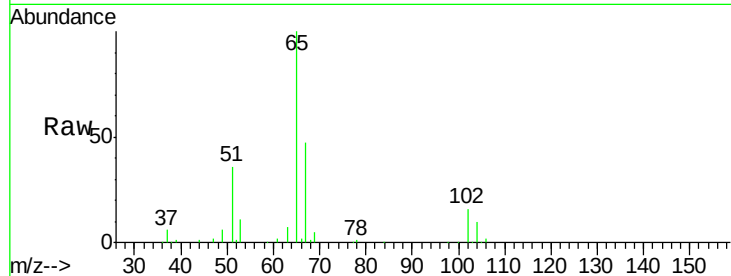




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VD059467.D
 Acq: 28 Jun 2018 17:20

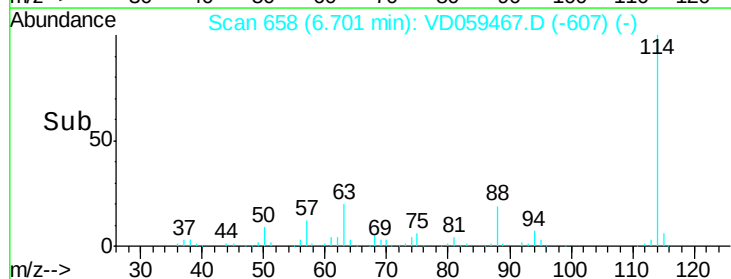
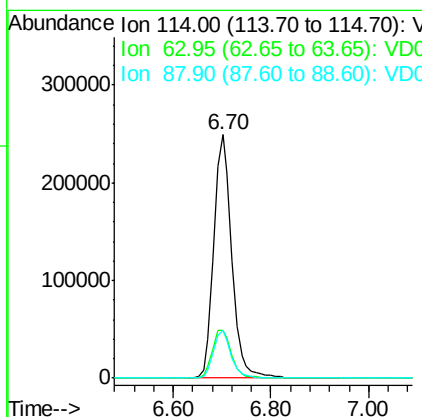
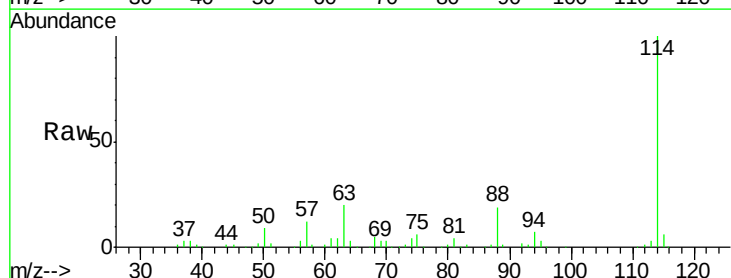
Instrument :
 MSVOA_D
 ClientSampleId :
 A0C10-04RE

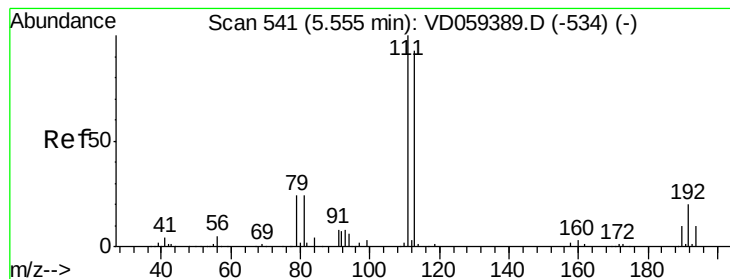
Tot Ion: 65 Resp: 341266
 Ion Ratio Lower Upper
 65 100
 67 47.4 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VD059467.D
 Acq: 28 Jun 2018 17:20

Tgt Ion: 114 Resp: 641435
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.4
 88 19.4 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD059467.D

Acq: 28 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

A0C10-04RE

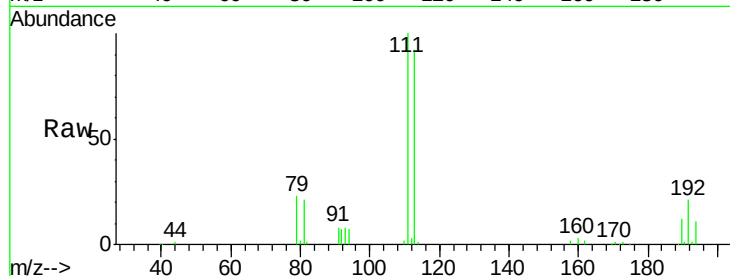
Tot Ion:113 Resp: 335304

Ion Ratio Lower Upper

113 100

111 108.6 85.7 128.5

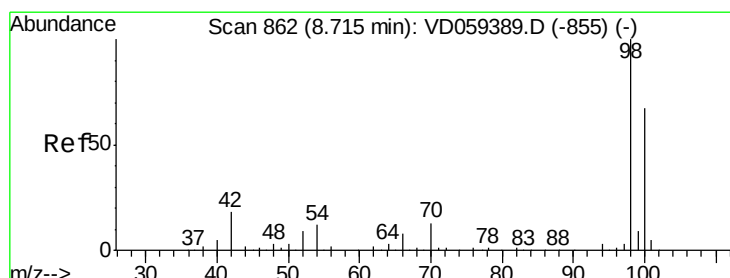
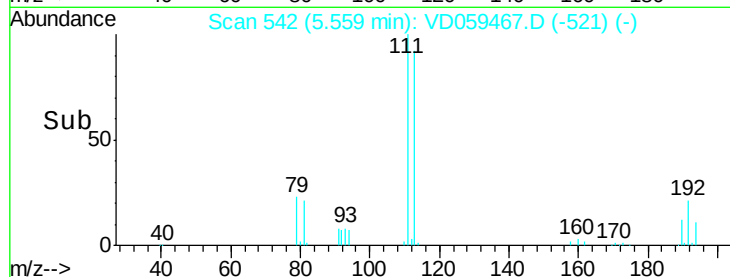
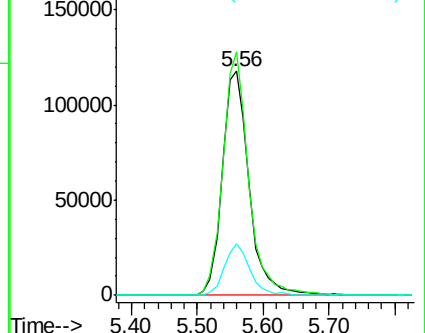
192 23.1 16.9 25.3



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: 8.72 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD059467.D

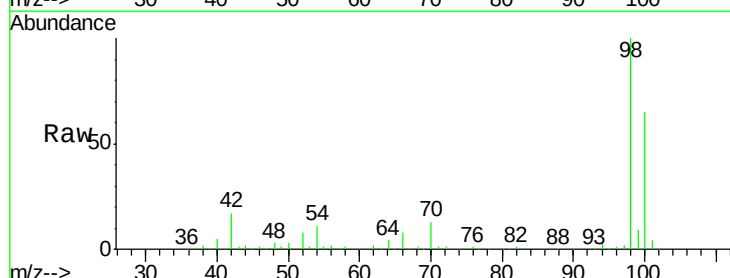
Acq: 28 Jun 2018 17:20

Tgt Ion: 98 Resp: 622587

Ion Ratio Lower Upper

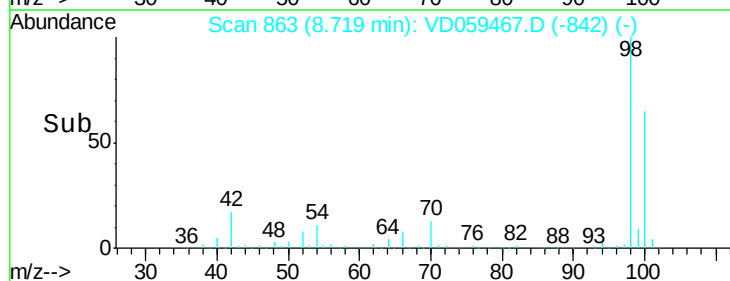
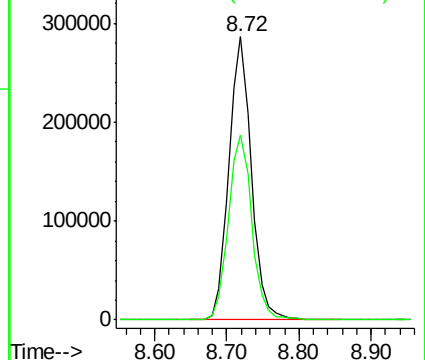
98 100

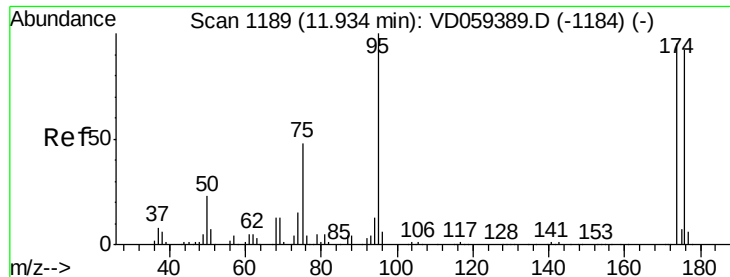
100 65.3 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

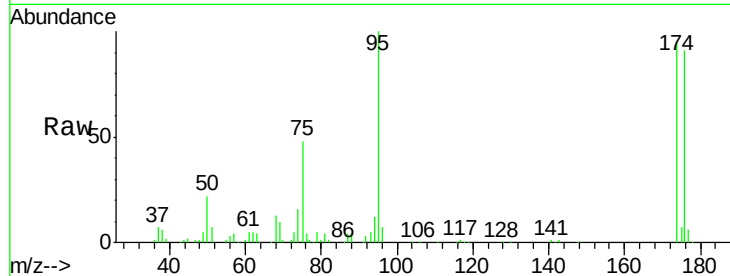




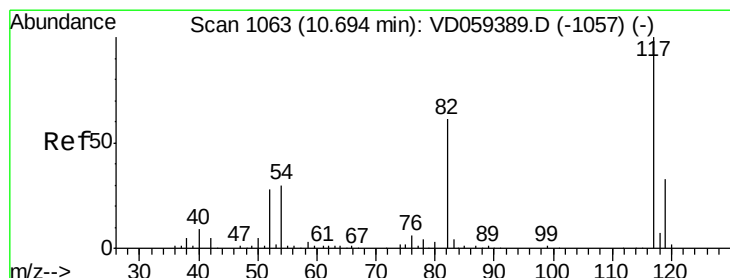
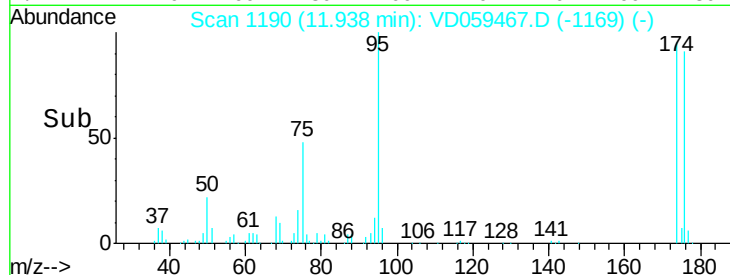
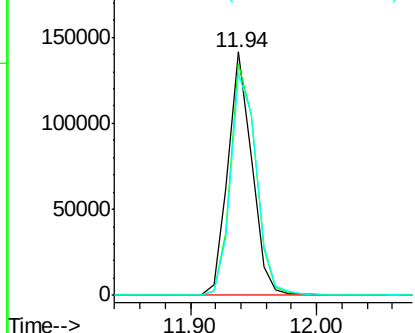
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VD059467.D
Acq: 28 Jun 2018 17:20

Instrument :
MSVOA_D
ClientSampleId :
A0C10-04RE

Tot Ion: 95 Resp: 184044
Ion Ratio Lower Upper
95 100
174 95.3 0.0 190.4
176 91.3 0.0 183.2

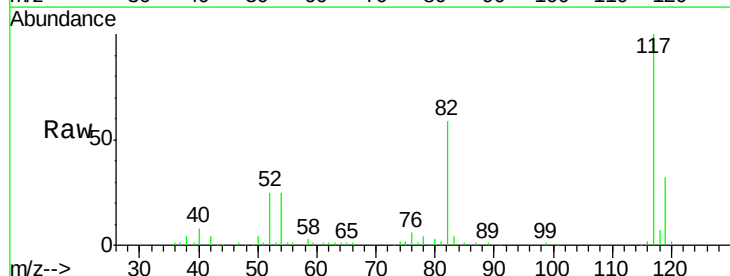


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

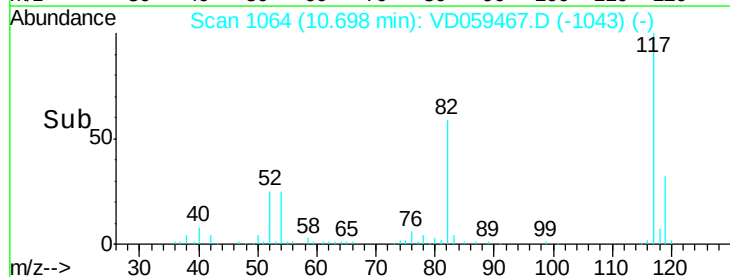
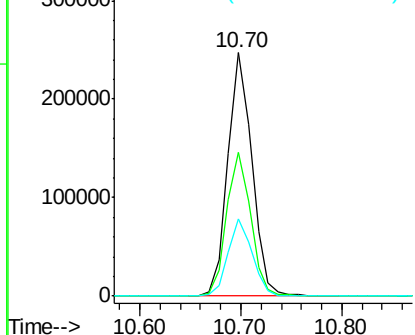


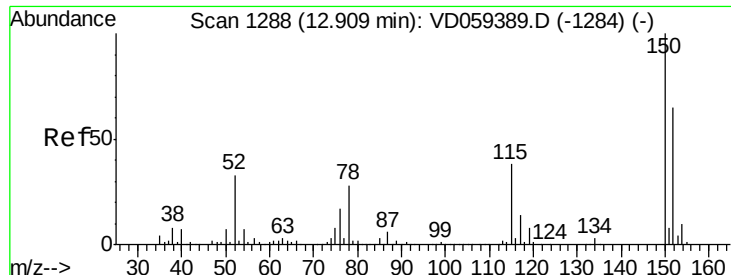
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059467.D
Acq: 28 Jun 2018 17:20

Tgt Ion: 117 Resp: 411840
Ion Ratio Lower Upper
117 100
82 58.9 49.0 73.6
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: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059467.D

Acq: 28 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

A0C10-04RE

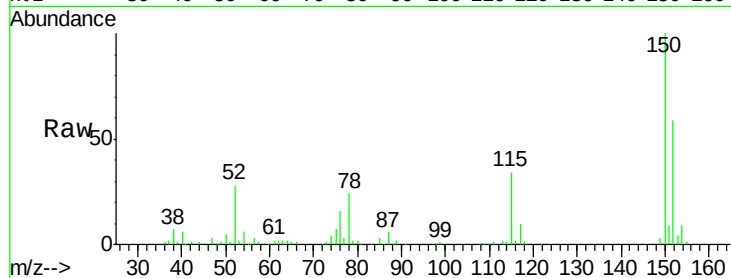
Tot Ion:152 Resp: 122523

Ion Ratio Lower Upper

152 100

115 57.8 29.4 88.3

150 169.4 0.0 308.2



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

