

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061384.D
 Acq On : 28 Mar 2019 7:48
 Operator : VA/AP
 Sample : K2107-05
 Misc : 5.70g/5ml/MSVOA_D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Mar 28 09:42:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	8346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	19311	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	16572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	8071	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	4348	60.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.98%	
35) Dibromofluoromethane	6.89	113	5157	34.95	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	69.90%	
50) Toluene-d8	10.39	98	11365	32.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.22%	
62) 4-Bromofluorobenzene	13.54	95	5839	43.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.04%	

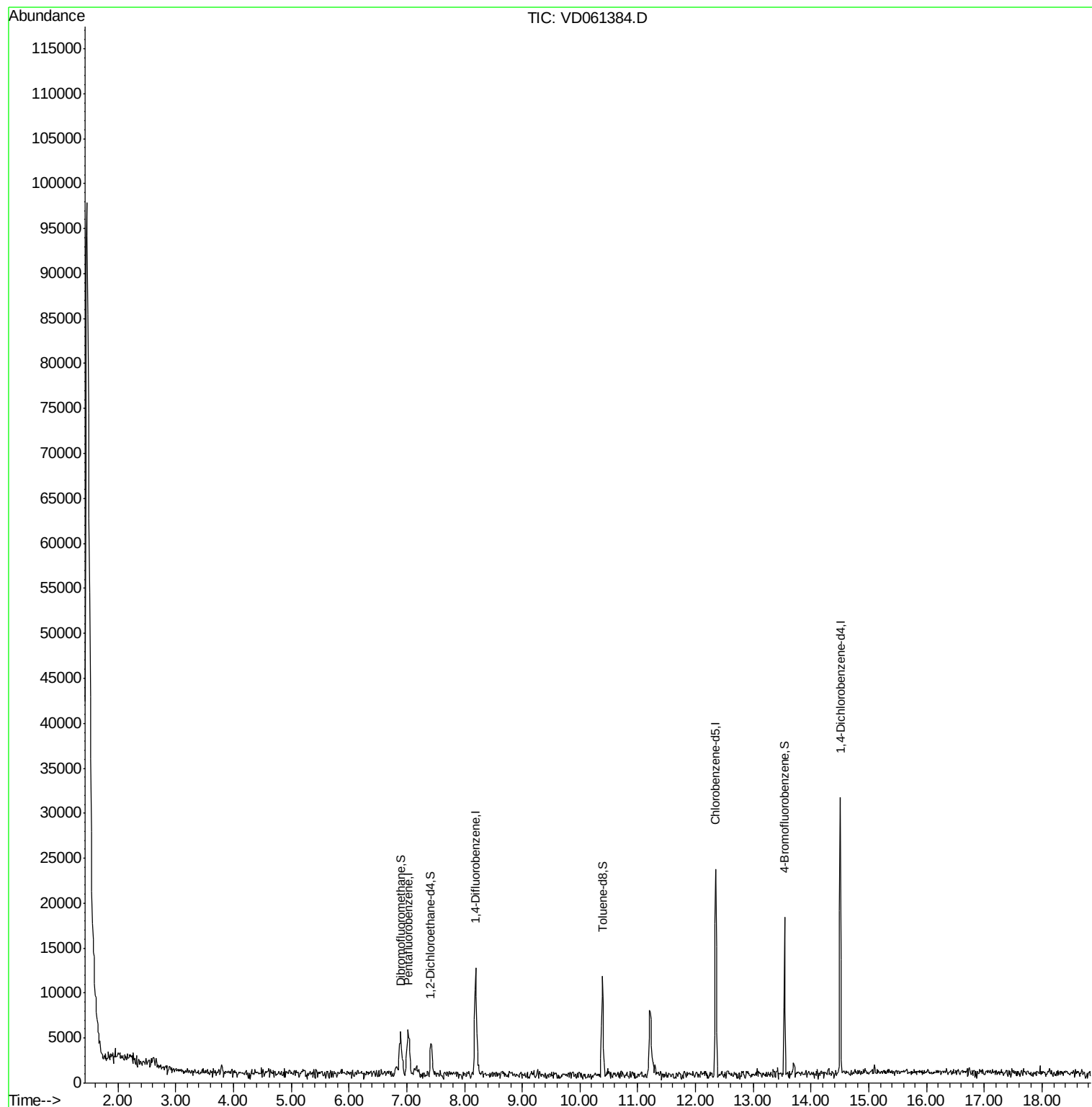
Target Compounds	Qvalue
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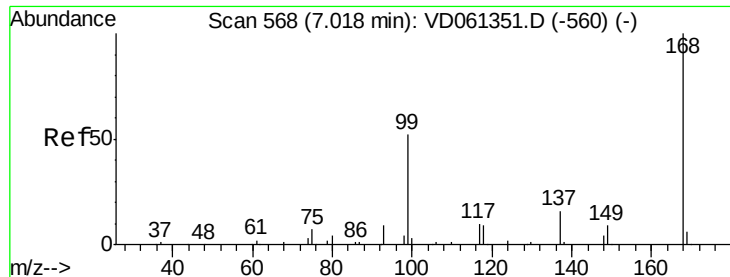
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061384.D

Acq: 28 Mar 2019 7:48

Instrument :

MSVOA_D

ClientSampleId :

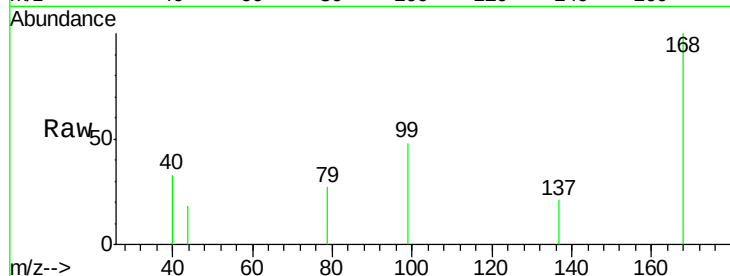
TP-3

Tgt Ion:168 Resp: 8346

Ion Ratio Lower Upper

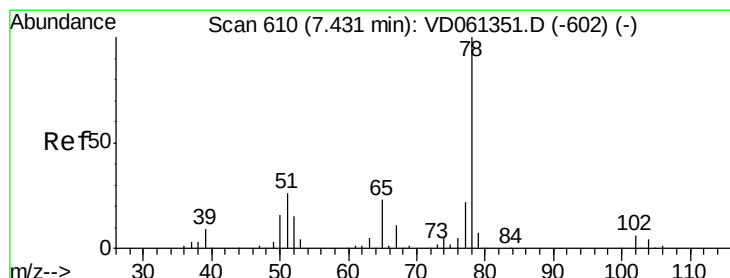
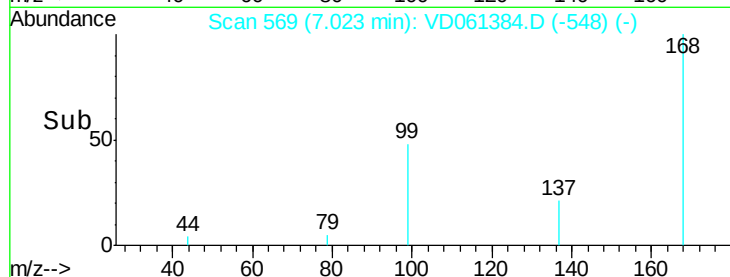
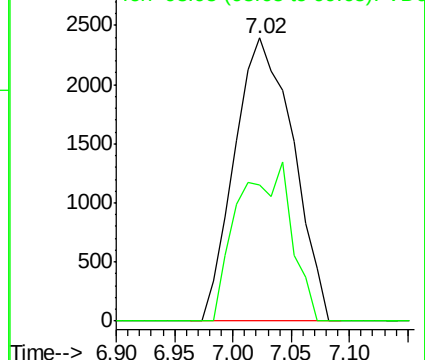
168 100

99 48.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD061384.D

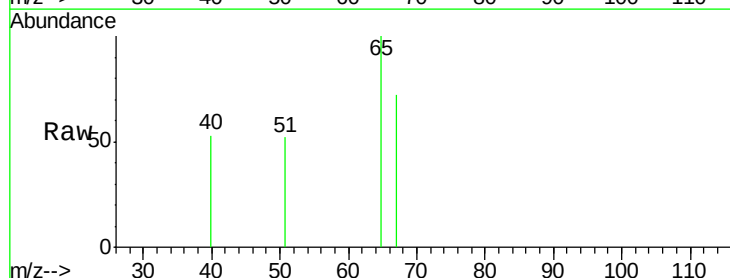
Acq: 28 Mar 2019 7:48

Tgt Ion: 65 Resp: 4348

Ion Ratio Lower Upper

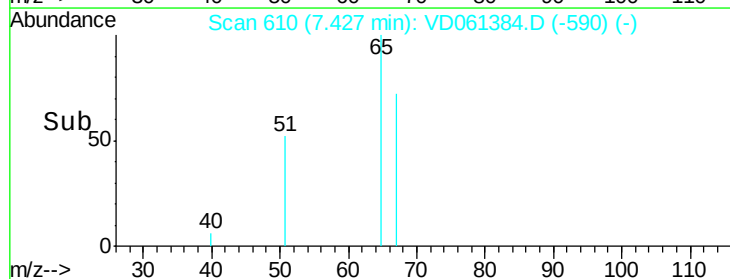
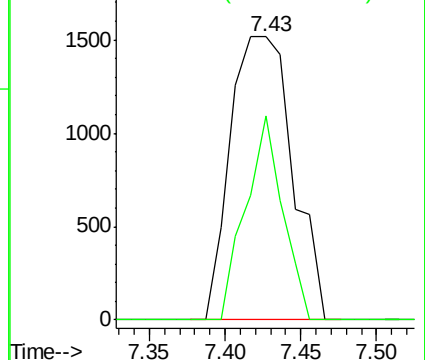
65 100

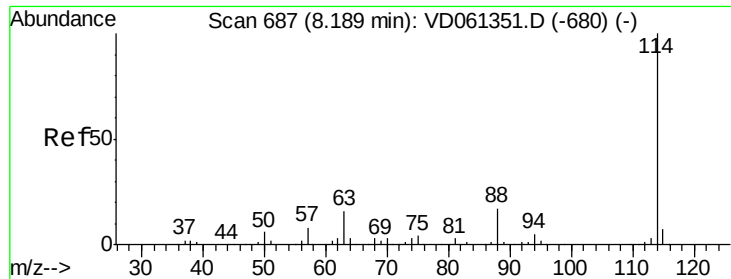
67 72.2 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

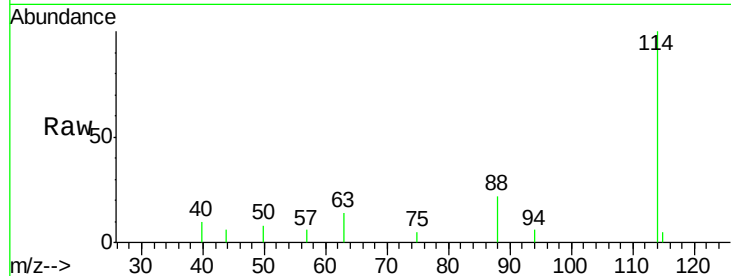




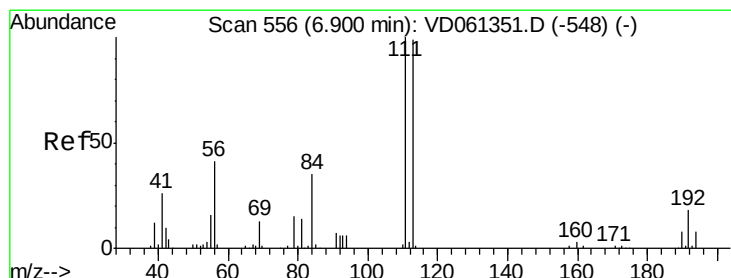
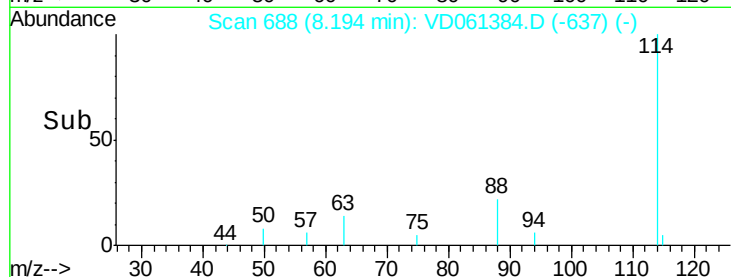
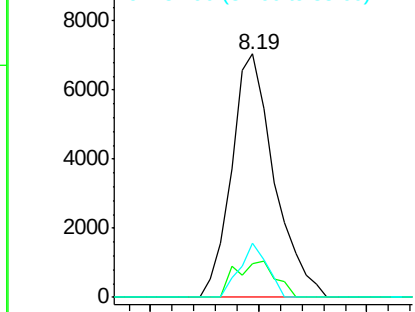
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD061384.D
 Acq: 28 Mar 2019 7:48

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Tgt Ion:114 Resp: 19311
 Ion Ratio Lower Upper
 114 100
 63 13.9 0.0 31.6
 88 22.5 0.0 33.4

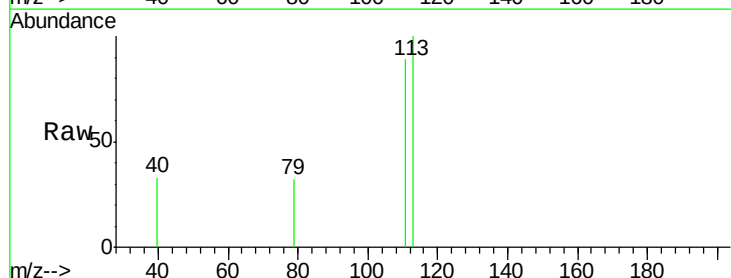


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

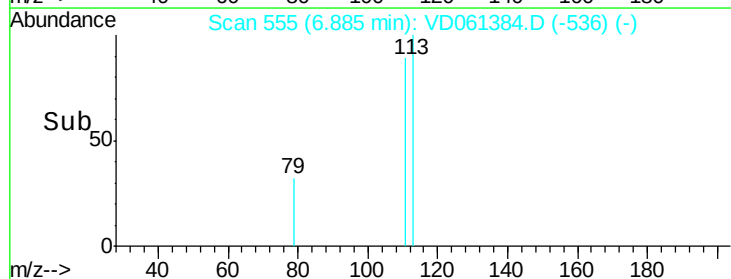
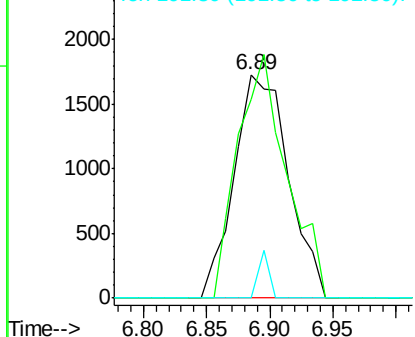


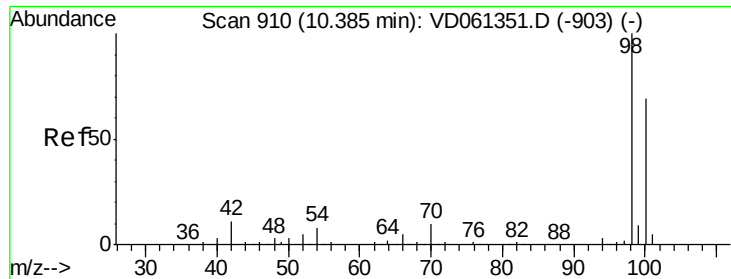
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: VD061384.D
 Acq: 28 Mar 2019 7:48

Tgt Ion:113 Resp: 5157
 Ion Ratio Lower Upper
 113 100
 111 89.0 81.0 121.6
 192 0.0 14.4 21.6#



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

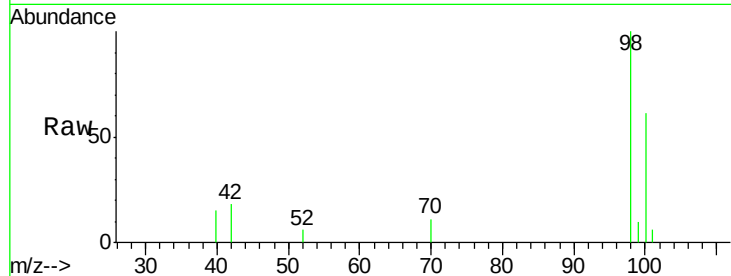




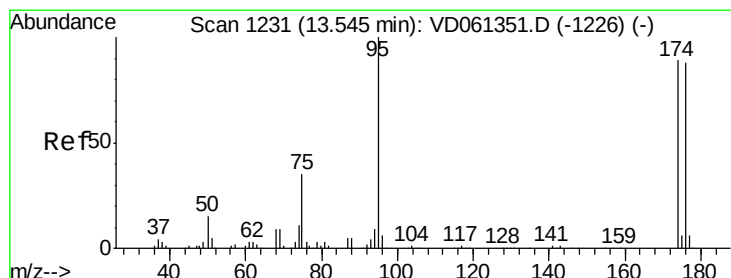
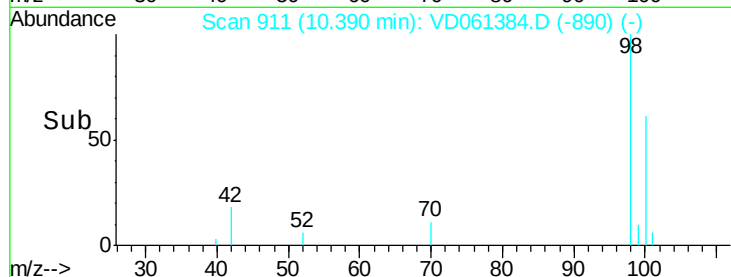
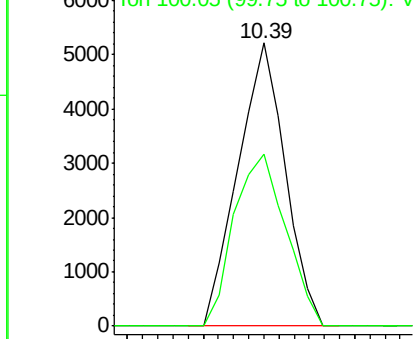
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD061384.D
Acq: 28 Mar 2019 7:48

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 98 Resp: 11365
Ion Ratio Lower Upper
98 100
100 60.6 56.2 84.2

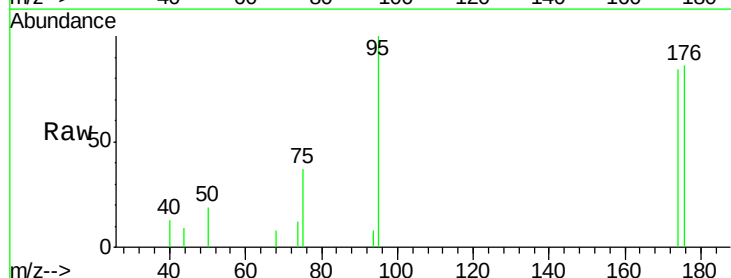


Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)
Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

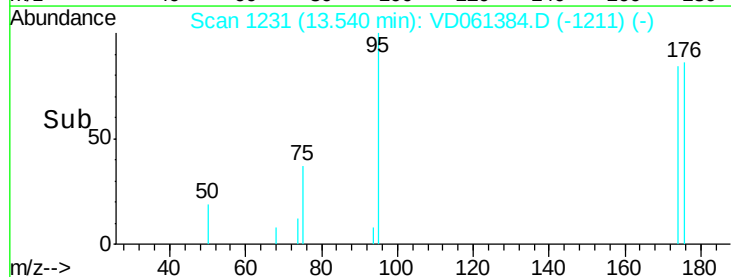
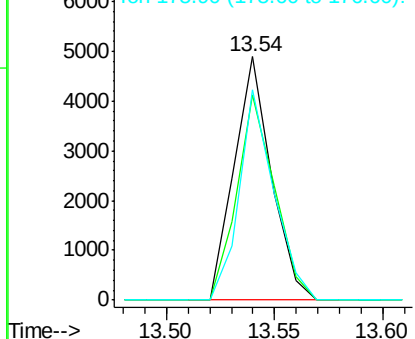


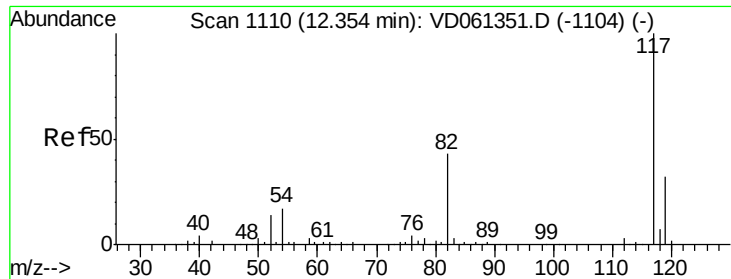
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD061384.D
Acq: 28 Mar 2019 7:48

Tgt Ion: 95 Resp: 5839
Ion Ratio Lower Upper
95 100
174 84.3 0.0 178.0
176 86.2 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)
Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)
Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD061384.D

Acq: 28 Mar 2019 7:48

Instrument :

MSVOA_D

ClientSampleId :

TP-3

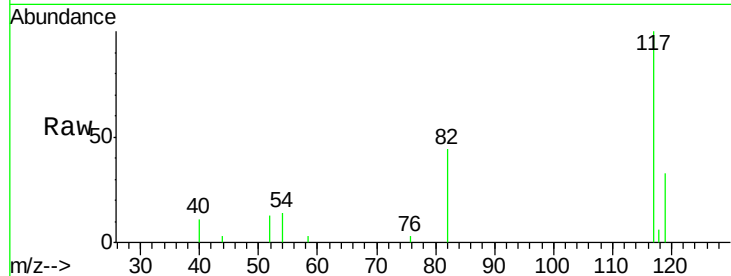
Tgt Ion:117 Resp: 16572

Ion Ratio Lower Upper

117 100

82 43.9 34.4 51.6

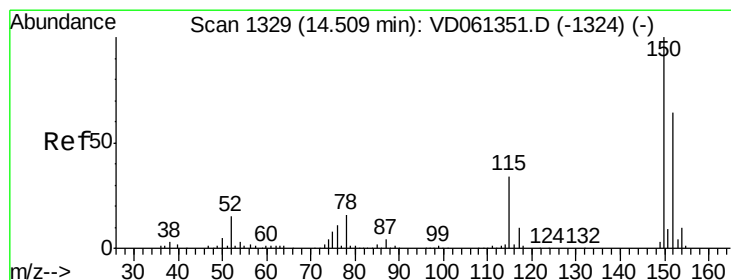
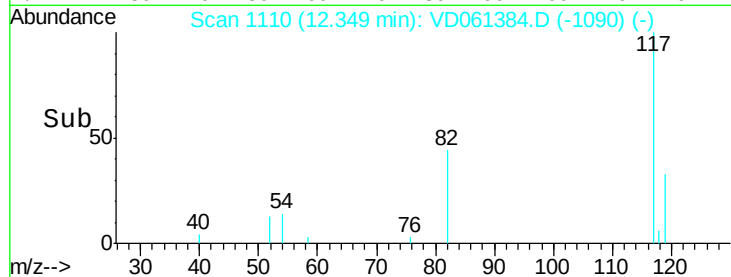
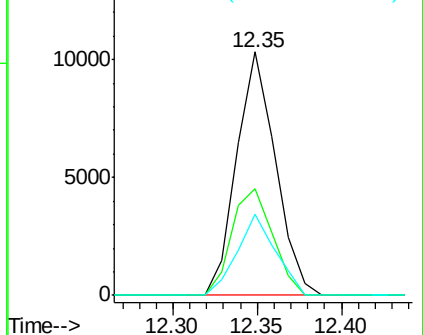
119 33.4 25.8 38.6



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: 50.000 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD061384.D

Acq: 28 Mar 2019 7:48

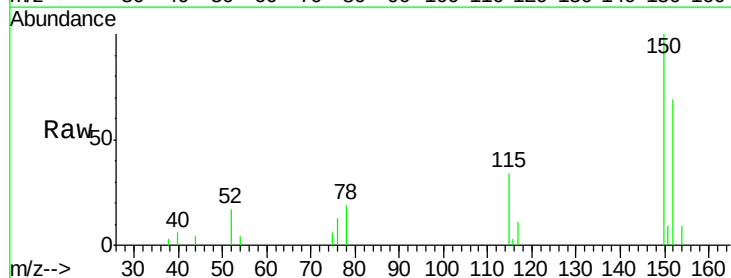
Tgt Ion:152 Resp: 8071

Ion Ratio Lower Upper

152 100

115 48.7 26.9 80.6

150 145.1 0.0 318.0



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

