

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061427.D
 Acq On : 29 Mar 2019 14:05
 Operator : VA/AP
 Sample : K2107-09
 Misc : 5.23g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5

Quant Time: Mar 29 23:18:46 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

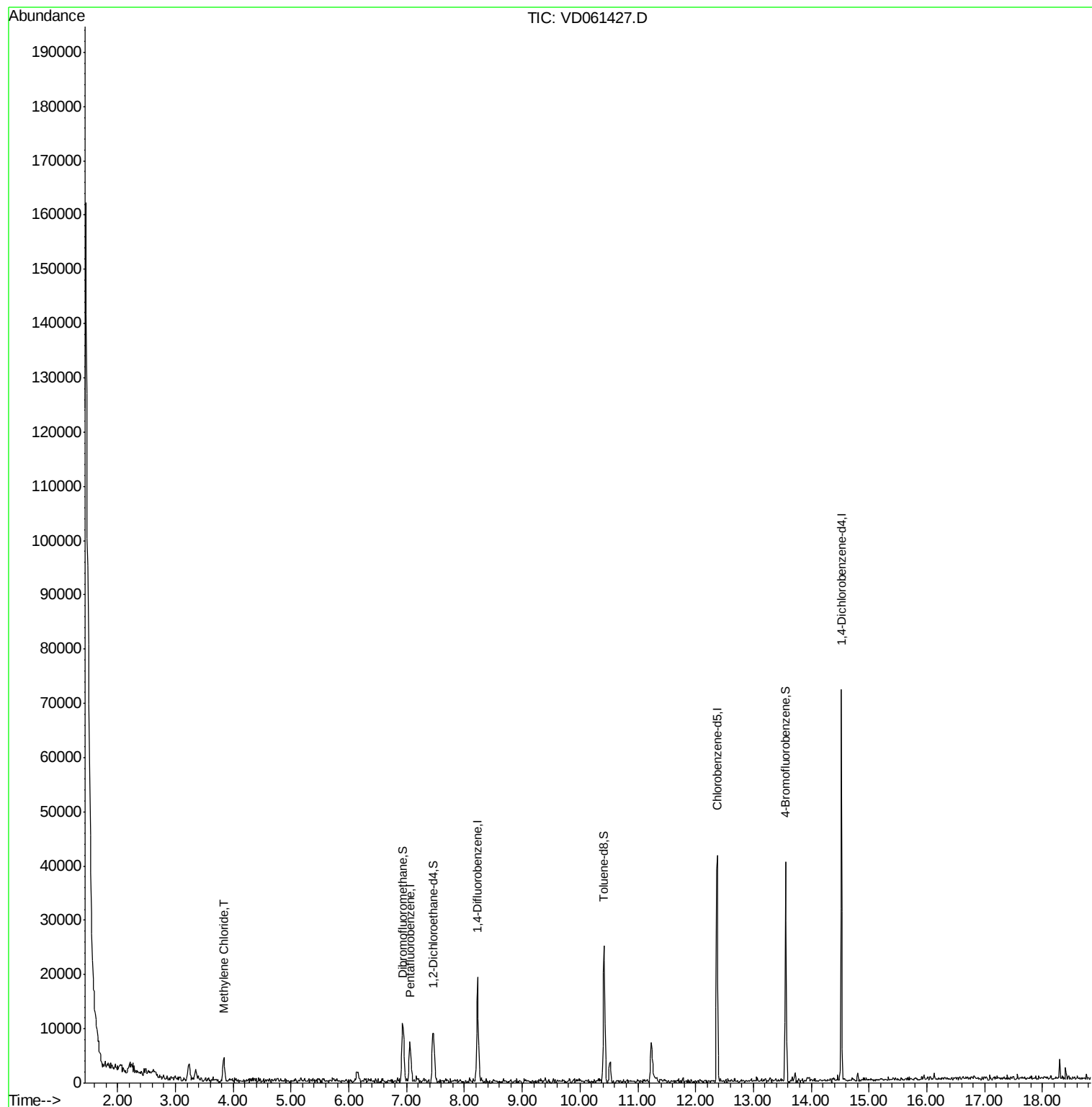
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	9443	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	26865	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	29898	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	16188	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	9461	117.29	ug/l	0.02
Spiked Amount 50.000			Recovery	=	234.58%	
35) Dibromofluoromethane	6.93	113	10875	52.97	ug/l	0.03
Spiked Amount 50.000			Recovery	=	105.94%	
50) Toluene-d8	10.41	98	23678	48.09	ug/l	0.03
Spiked Amount 50.000			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	13.55	95	13896	73.59	ug/l	0.01
Spiked Amount 50.000			Recovery	=	147.18%	
Target Compounds						
20) Methylene Chloride	3.84	84	3028	25.111	ug/l #	Qvalue 91

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061427.D

Acq: 29 Mar 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

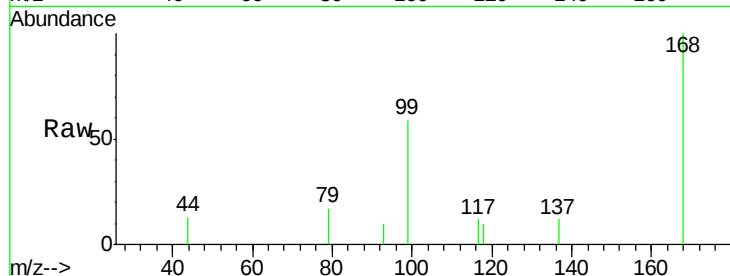
TP-5

Tot Ion:168 Resp: 9443

Ion Ratio Lower Upper

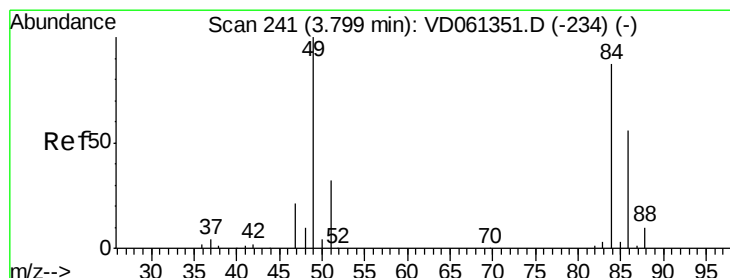
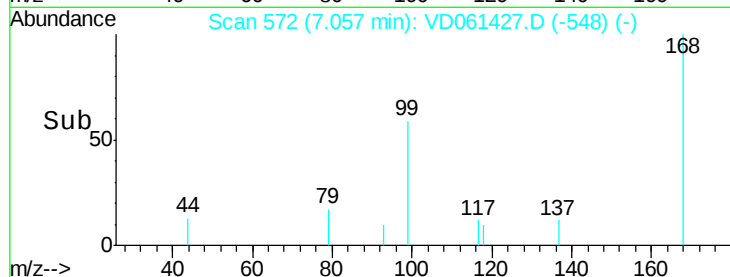
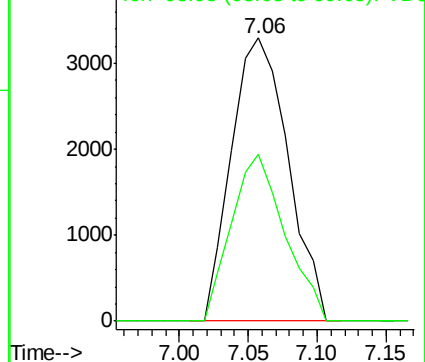
168 100

99 59.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 25.111 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD061427.D

Acq: 29 Mar 2019 14:05

Tgt Ion: 84 Resp: 3028

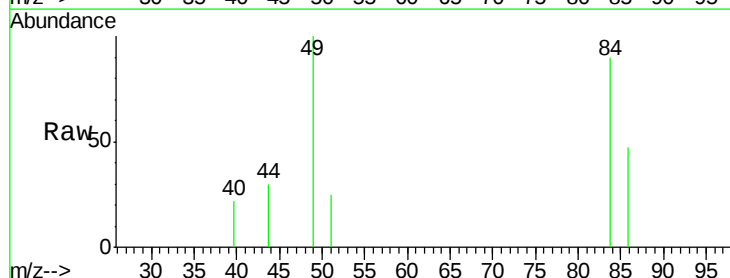
Ion Ratio Lower Upper

84 100

49 111.4 91.8 137.8

51 27.4 29.8 44.8#

86 52.3 51.8 77.6

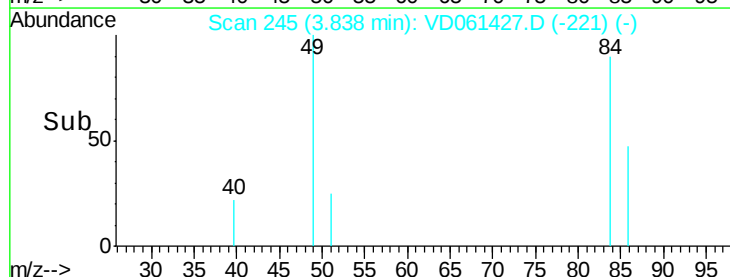
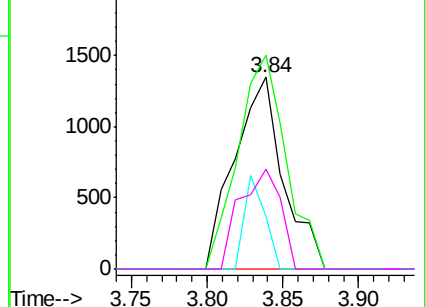


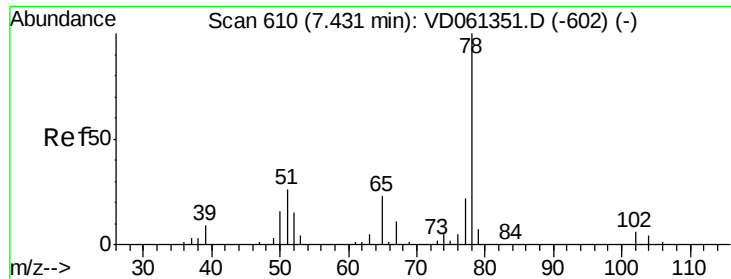
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061427.D

Acq: 29 Mar 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

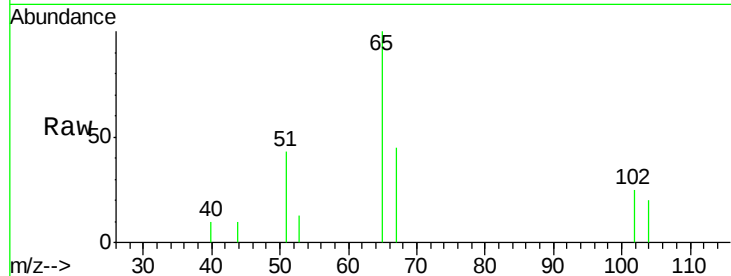
TP-5

Tot Ion: 65 Resp: 9461

Ion Ratio Lower Upper

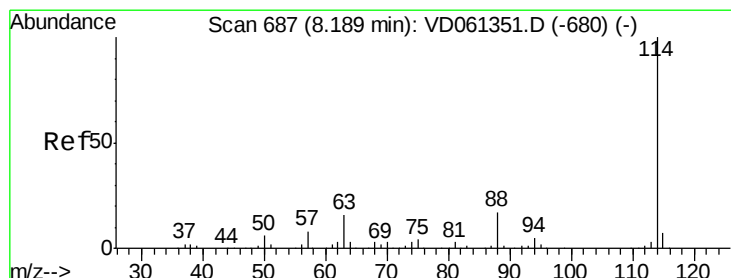
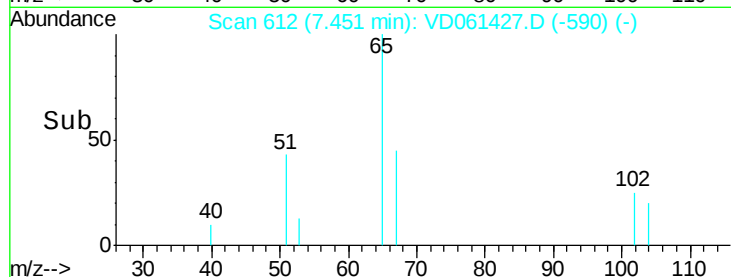
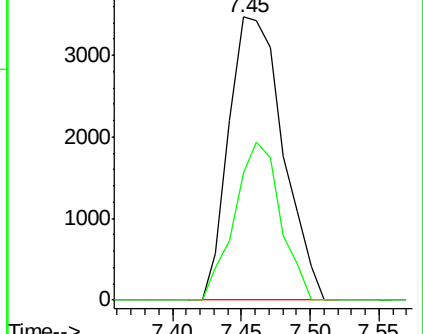
65 100

67 44.8 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: 8.23 min Scan# 691

Delta R.T. 0.04 min

Lab File: VD061427.D

Acq: 29 Mar 2019 14:05

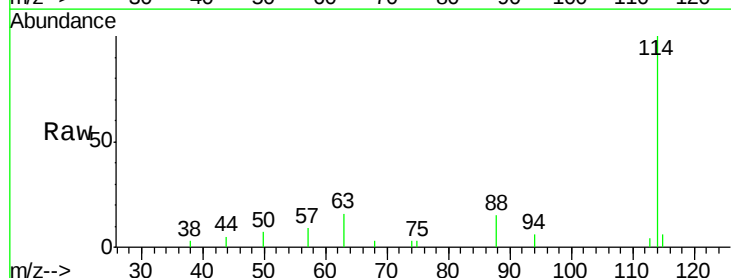
Tgt Ion: 114 Resp: 26865

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.6

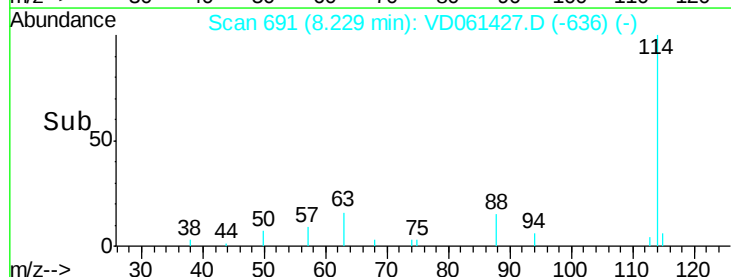
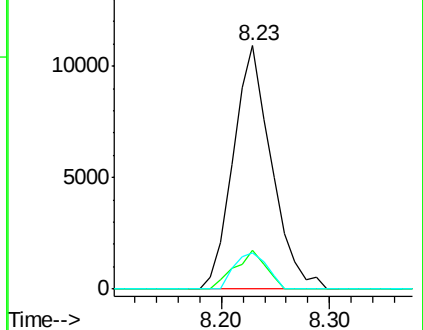
88 14.7 0.0 33.4

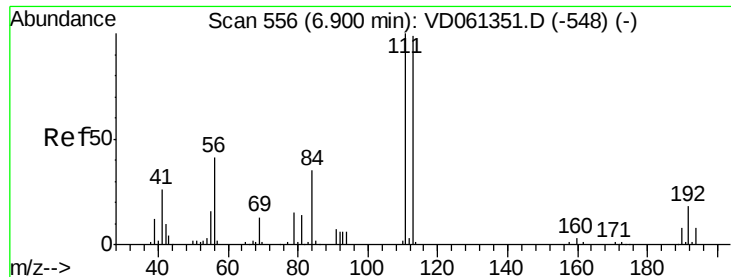


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD061427.D

Acq: 29 Mar 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

TP-5

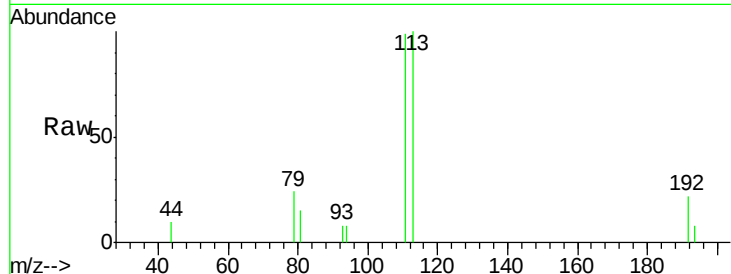
Tot Ion:113 Resp: 10875

Ion Ratio Lower Upper

113 100

111 99.4 81.0 121.6

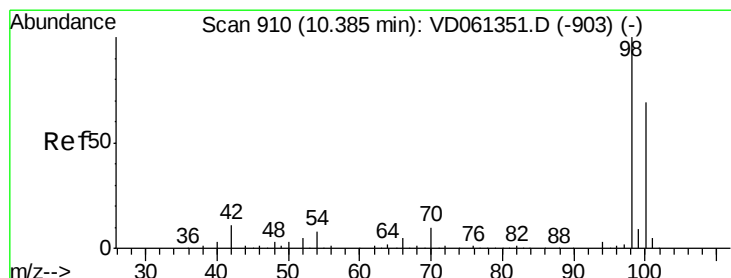
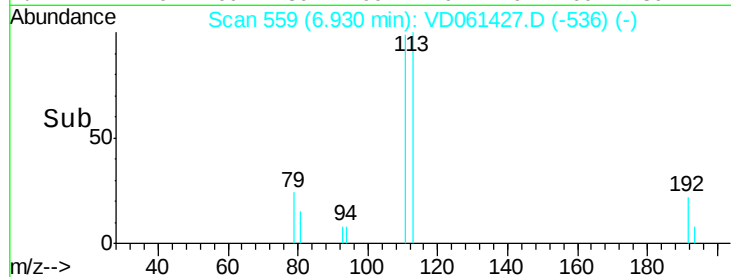
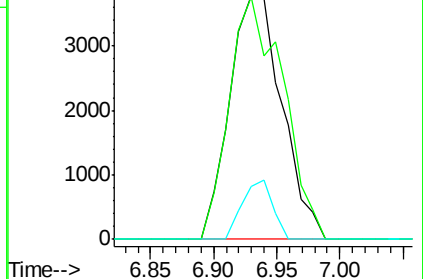
192 22.0 14.4 21.6#



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: 10.41 min Scan# 913

Delta R.T. 0.03 min

Lab File: VD061427.D

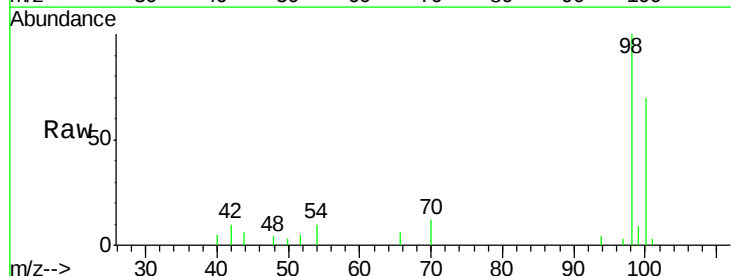
Acq: 29 Mar 2019 14:05

Tgt Ion: 98 Resp: 23678

Ion Ratio Lower Upper

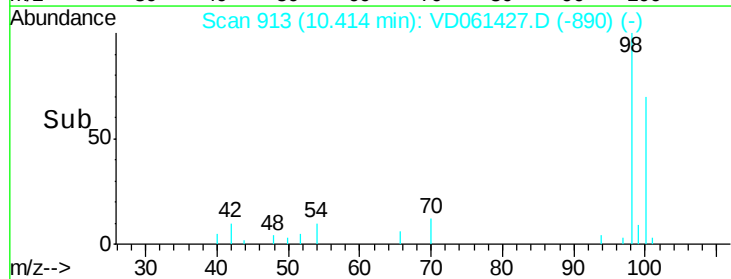
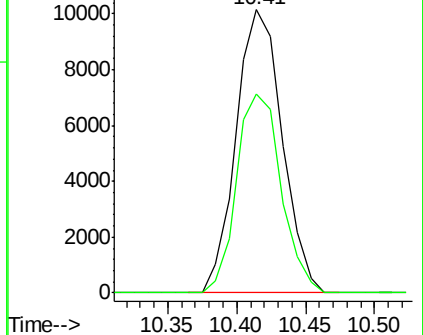
98 100

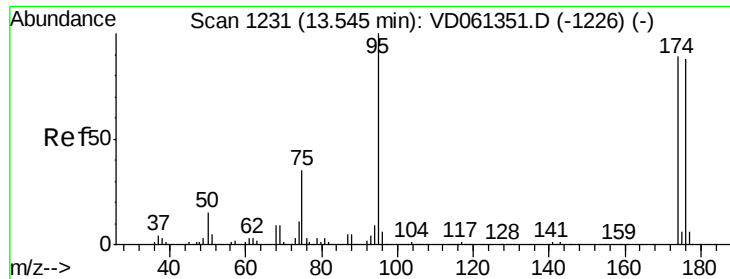
100 70.1 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

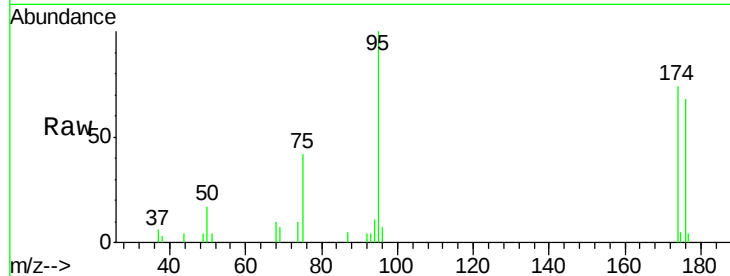




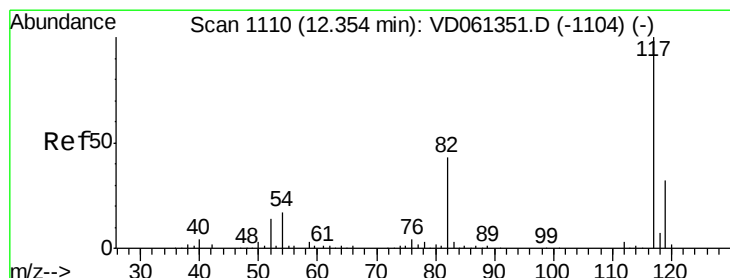
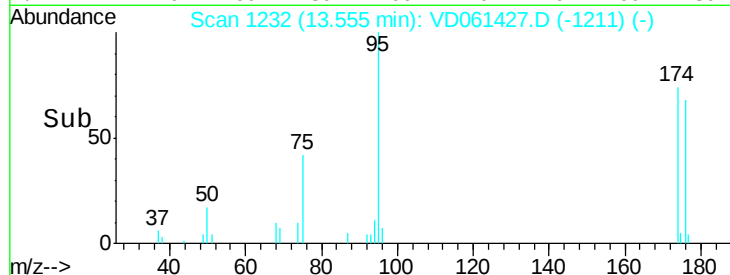
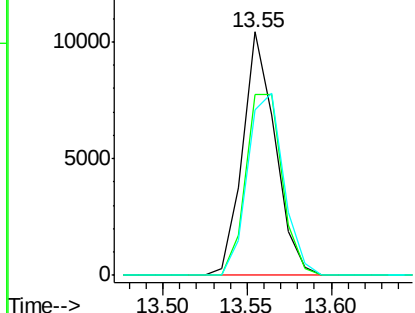
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061427.D
Acq: 29 Mar 2019 14:05

Instrument :
MSVOA_D
ClientSampleId :
TP-5

Tot Ion: 95 Resp: 13896
Ion Ratio Lower Upper
95 100
174 74.2 0.0 178.0
176 68.0 0.0 175.0

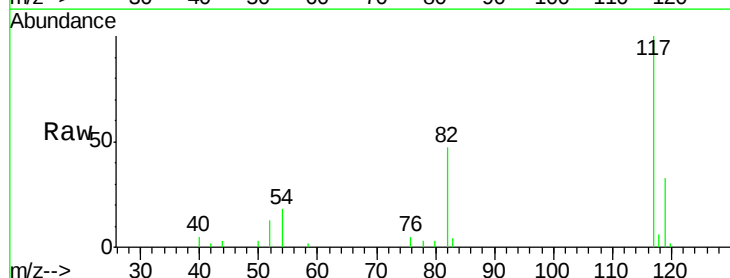


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

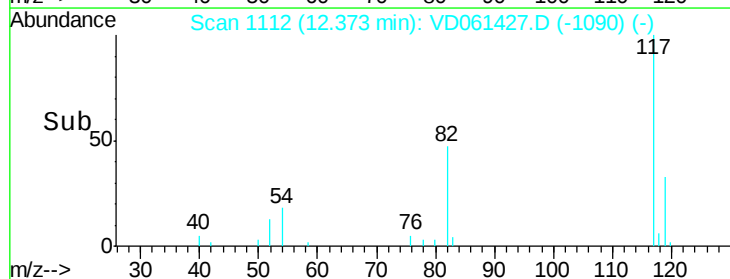
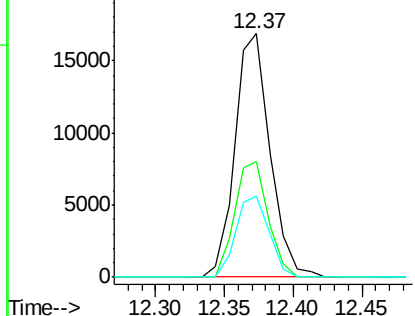


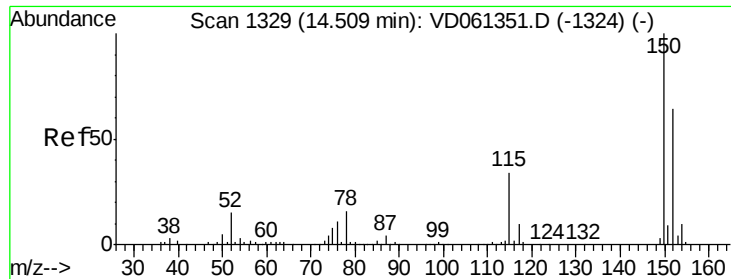
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061427.D
Acq: 29 Mar 2019 14:05

Tgt Ion: 117 Resp: 29898
Ion Ratio Lower Upper
117 100
82 47.5 34.4 51.6
119 33.5 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: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061427.D

Acq: 29 Mar 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

TP-5

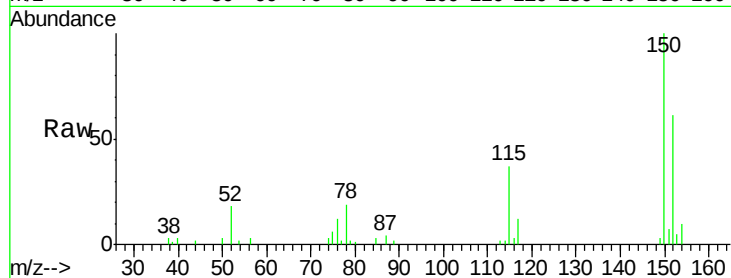
Tot Ion:152 Resp: 16188

Ion Ratio Lower Upper

152 100

115 60.6 26.9 80.6

150 162.8 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

