

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062802.D
 Acq On : 20 Jun 2019 18:59
 Operator : VA/AP
 Sample : K3455-01RE
 Misc : 4.52g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-MHRE

Quant Time: Jun 21 07:29:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

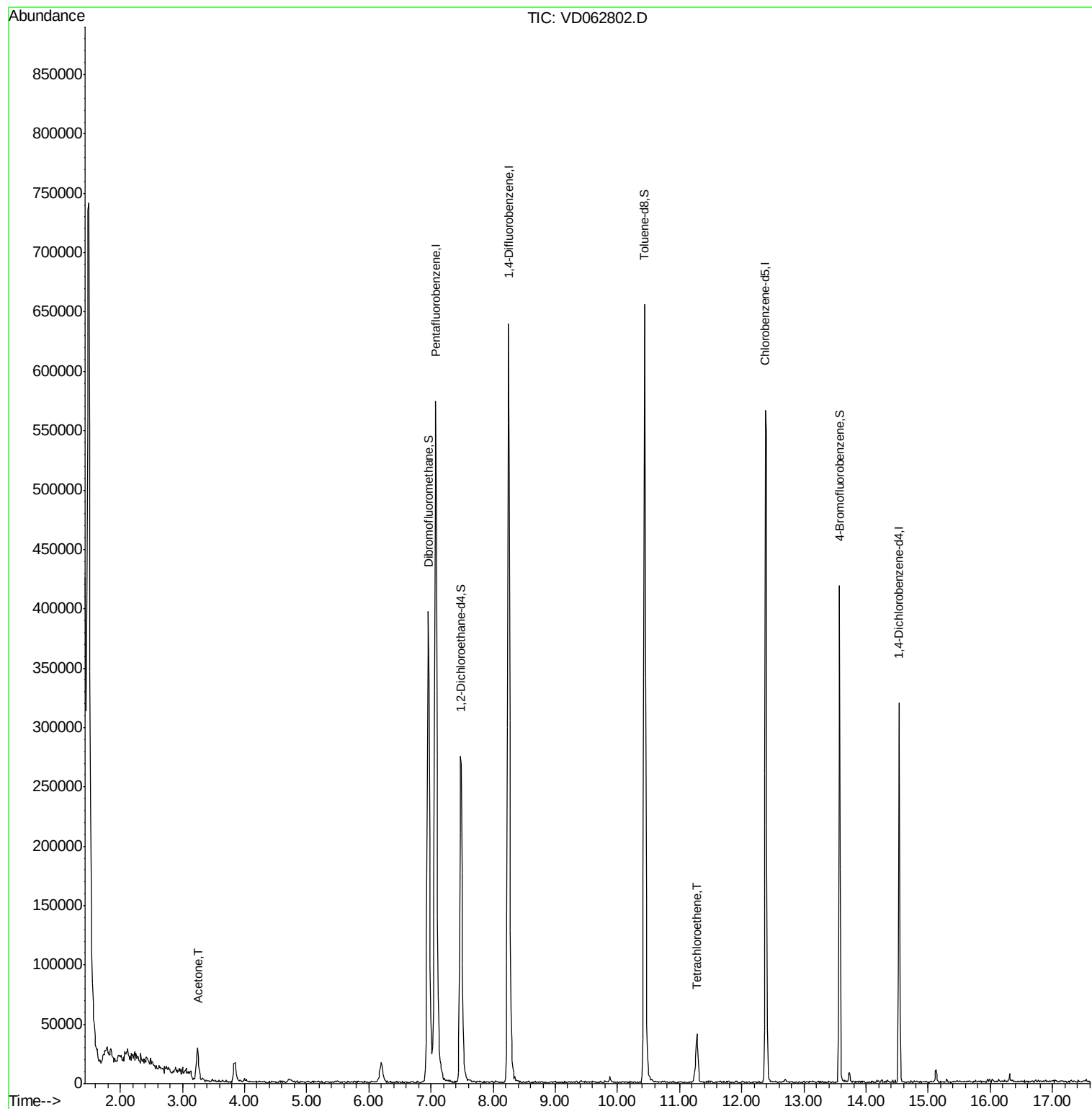
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	535445	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	664166	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	317238	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	76017	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.49	65	330842	56.84	ug/l	0.03
Spiked Amount 50.000			Recovery	=	113.68%	
35) Dibromofluoromethane	6.96	113	341374	60.96	ug/l	0.03
Spiked Amount 50.000			Recovery	=	121.92%	
50) Toluene-d8	10.43	98	524847	43.06	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.12%	
62) 4-Bromofluorobenzene	13.57	95	108272	19.54	ug/l	0.02
Spiked Amount 50.000			Recovery	=	39.08%	
Target Compounds						
16) Acetone	3.25	43	55745	41.393	ug/l #	85
64) Tetrachloroethene	11.29	164	10605	4.062	ug/l	89

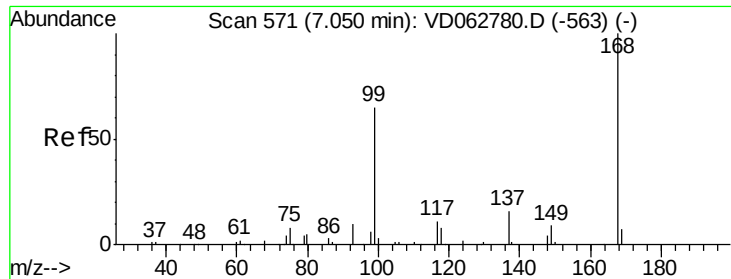
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

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MSVOA_D

ClientSampleId :

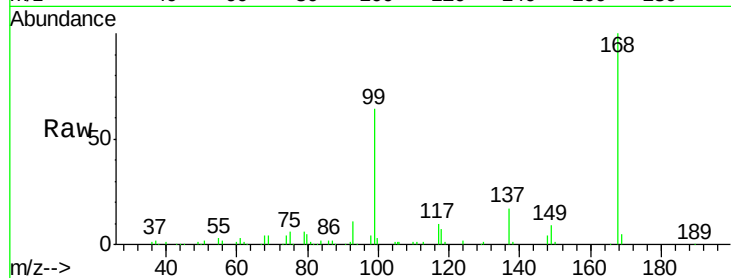
TP-1-MHRE

Tot Ion:168 Resp: 535445

Ion Ratio Lower Upper

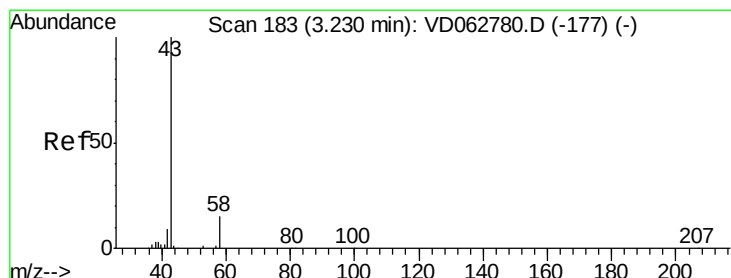
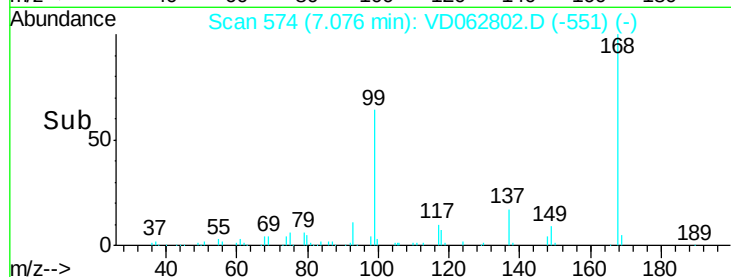
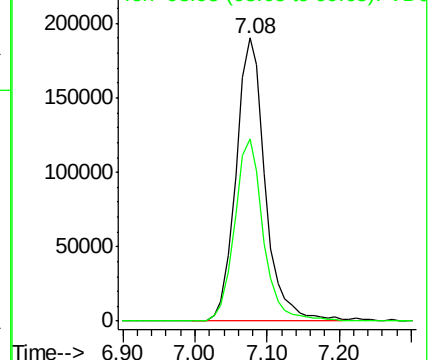
168 100

99 64.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 41.393 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD062802.D

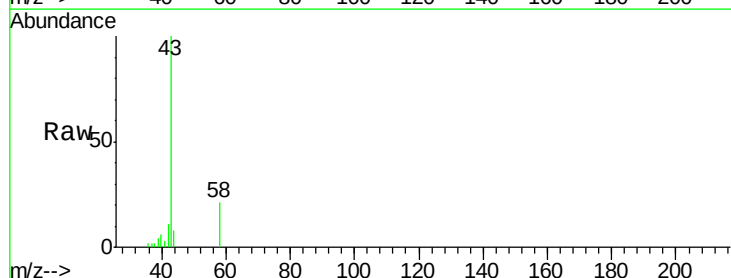
Acq: 20 Jun 2019 18:59

Tgt Ion: 43 Resp: 55745

Ion Ratio Lower Upper

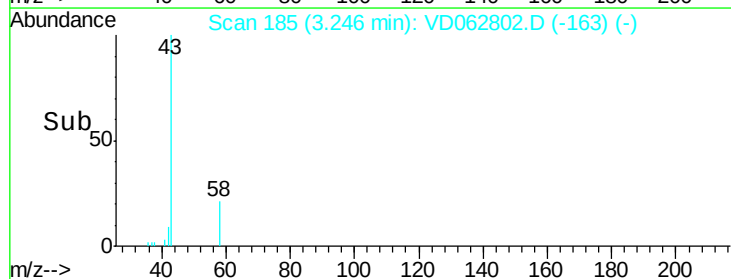
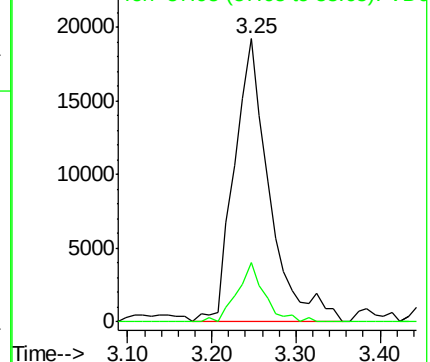
43 100

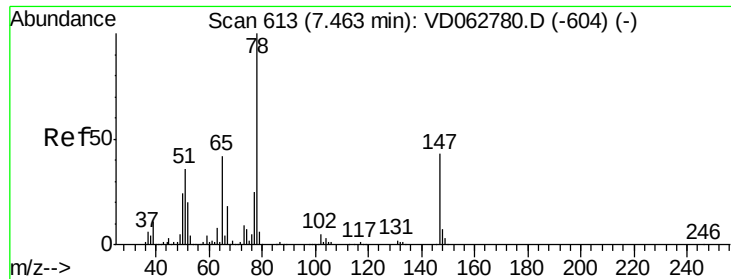
58 21.0 11.9 17.9#



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: 56.844 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.03 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

Instrument :

MSVOA_D

ClientSampleId :

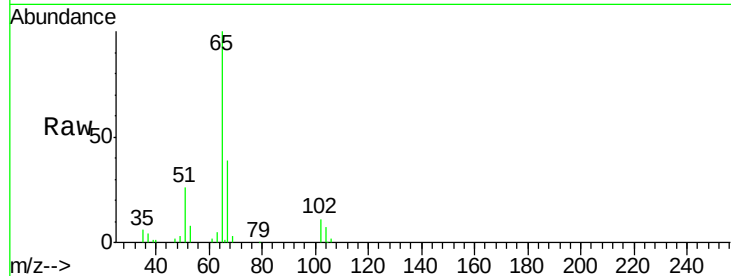
TP-1-MHRE

Tot Ion: 65 Resp: 330842

Ion Ratio Lower Upper

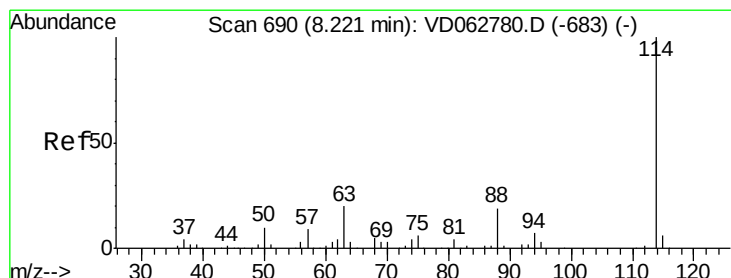
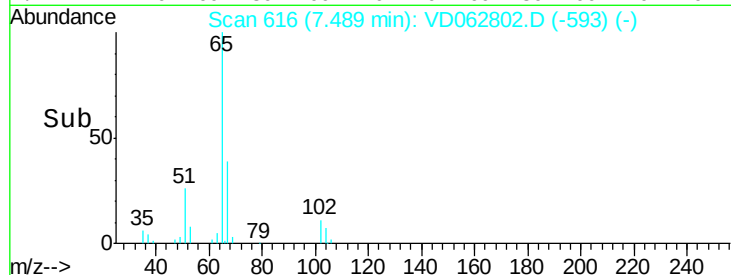
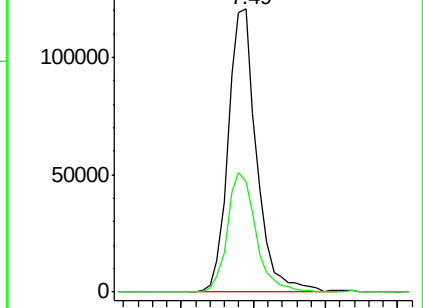
65 100

67 39.0 0.0 87.4



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: 8.25 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

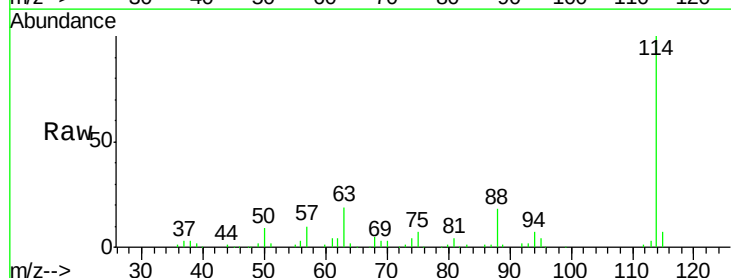
Tgt Ion: 114 Resp: 664166

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

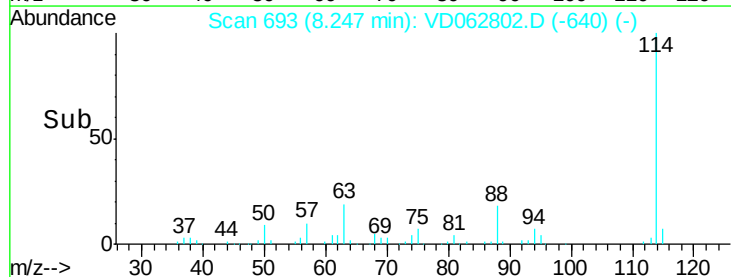
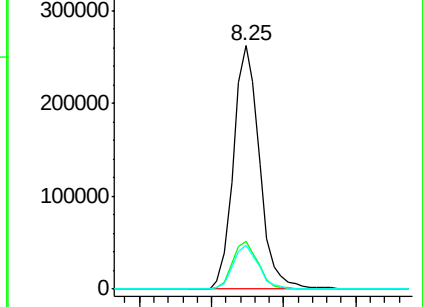
88 18.3 0.0 38.8

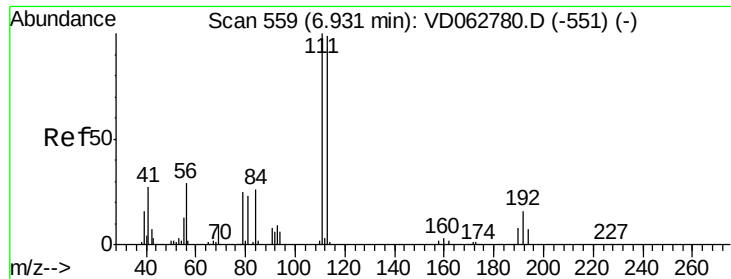


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

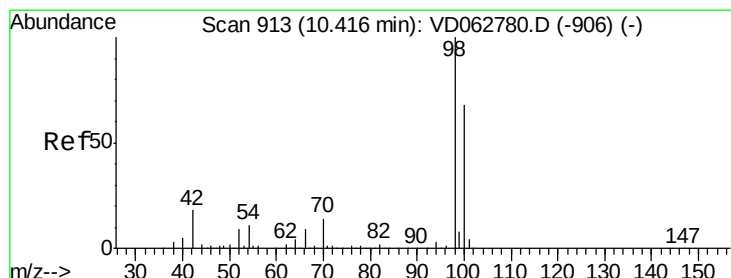
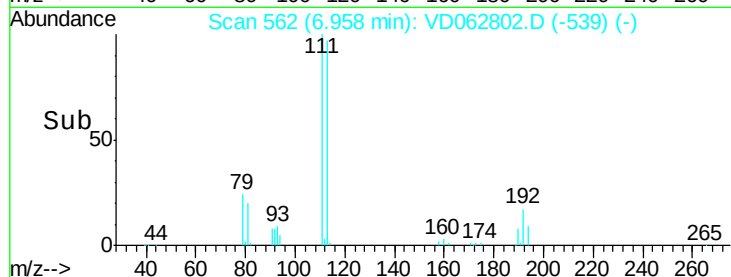
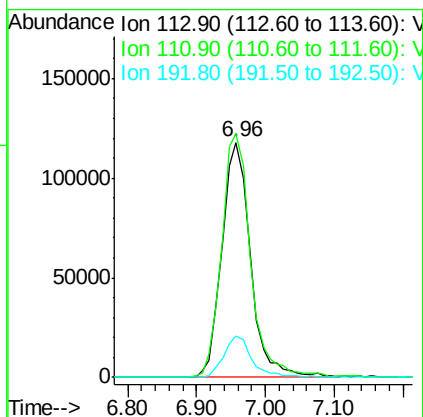
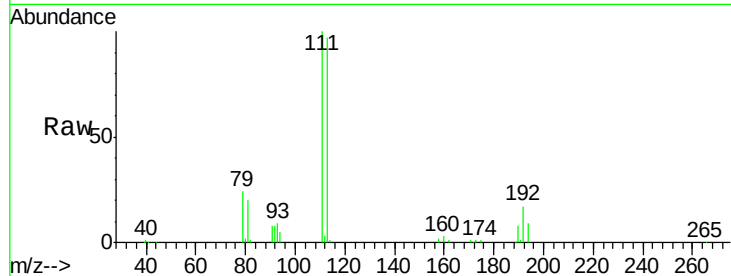




#35
Dibromofluoromethane
Concen: 60.957 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.03 min
Lab File: VD062802.D
Acq: 20 Jun 2019 18:59

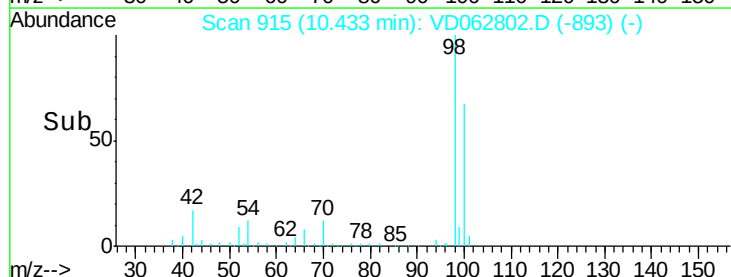
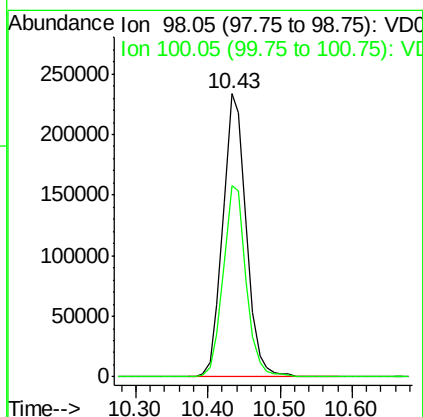
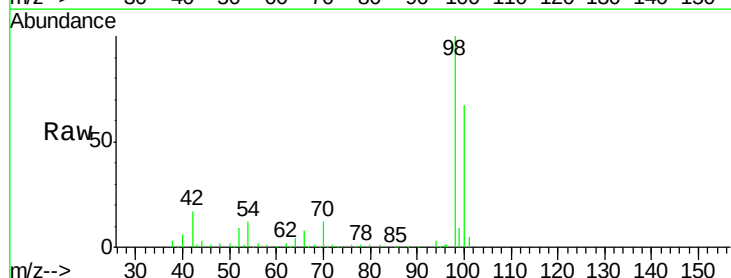
Instrument :
MSVOA_D
ClientSampleId :
TP-1-MHRE

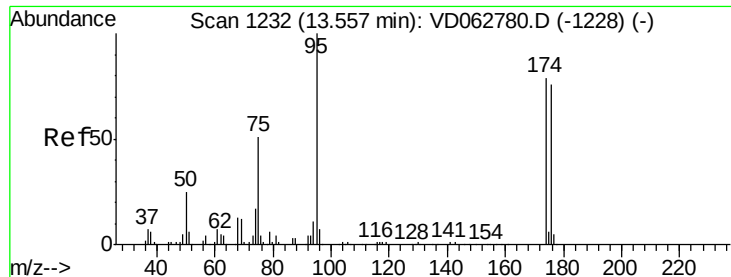
Tot Ion:113 Resp: 341374
Ion Ratio Lower Upper
113 100
111 103.6 81.2 121.8
192 17.4 12.9 19.3



#50
Toluene-d8
Concen: 43.060 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD062802.D
Acq: 20 Jun 2019 18:59

Tgt Ion: 98 Resp: 524847
Ion Ratio Lower Upper
98 100
100 67.5 54.7 82.1





#62

4-Bromofluorobenzene

Concen: 19.536 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

Instrument :

MSVOA_D

ClientSampleId :

TP-1-MHRE

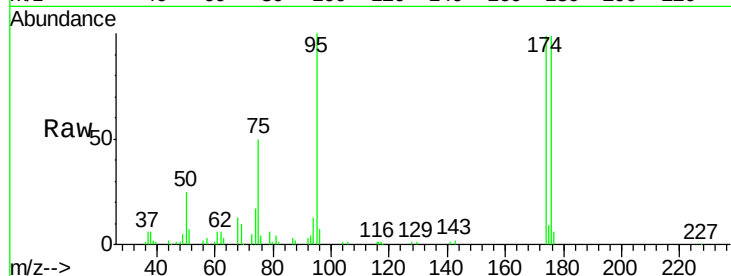
Tot Ion: 95 Resp: 108272

Ion Ratio Lower Upper

95 100

174 98.9 0.0 158.0

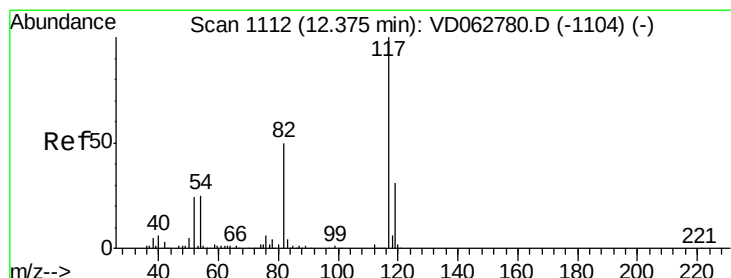
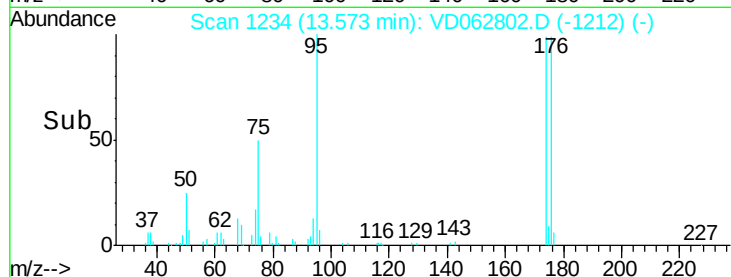
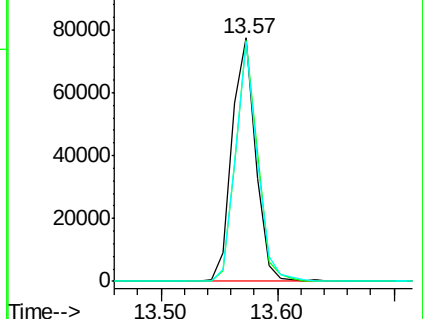
176 98.6 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): VD062802.D (-1212) (-)

Ion 173.90 (173.60 to 174.60): VD062802.D (-1212) (-)

Ion 175.90 (175.60 to 176.60): VD062802.D (-1212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

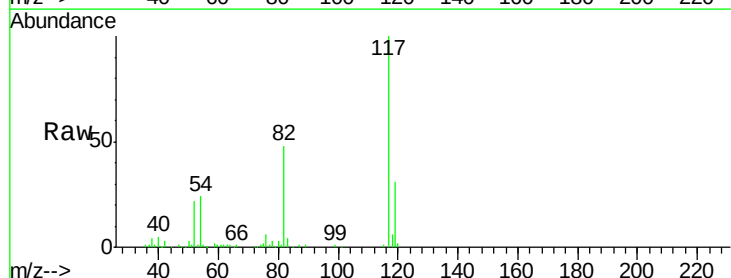
Tgt Ion: 117 Resp: 317238

Ion Ratio Lower Upper

117 100

82 48.3 40.4 60.6

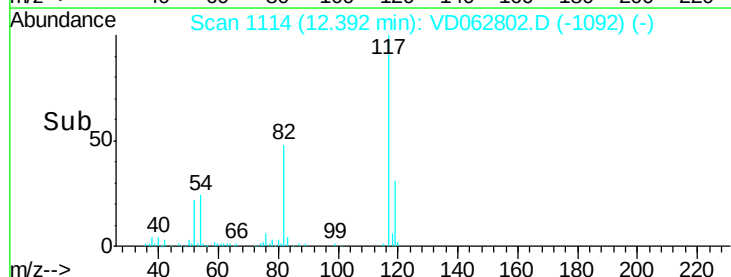
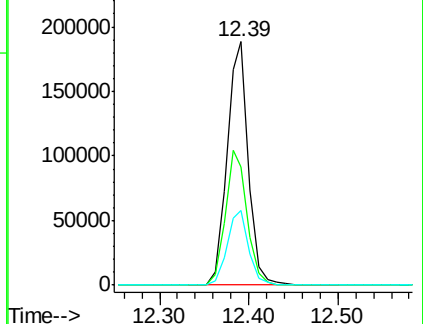
119 30.9 25.2 37.8

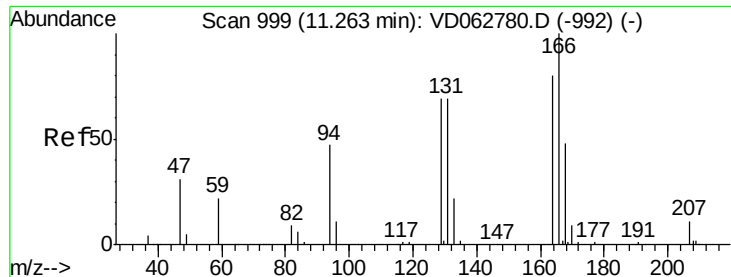


Abundance Ion 116.95 (116.65 to 117.65): VD062802.D (-1092) (-)

Ion 82.05 (81.75 to 82.75): VD062802.D (-1092) (-)

Ion 118.95 (118.65 to 119.65): VD062802.D (-1092) (-)





#64

Tetrachloroethene

Concen: 4.062 ug/l

RT: 11.29 min Scan# 1002

Delta R.T. 0.03 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

Instrument :

MSVOA_D

ClientSampleId :

TP-1-MHRE

Tot Ion:164 Resp: 10605

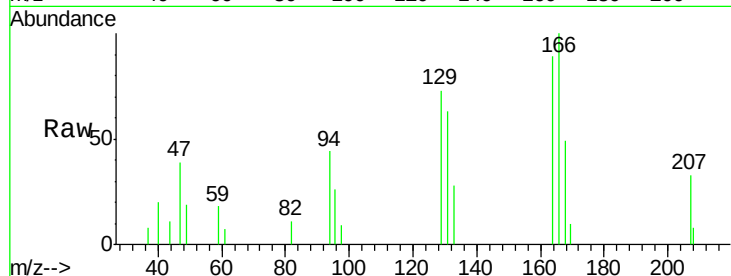
Ion Ratio Lower Upper

164 100

166 112.7 100.6 150.8

129 82.6 69.4 104.0

131 71.3 69.3 103.9

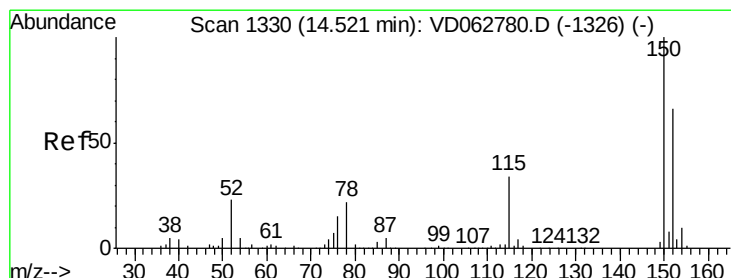
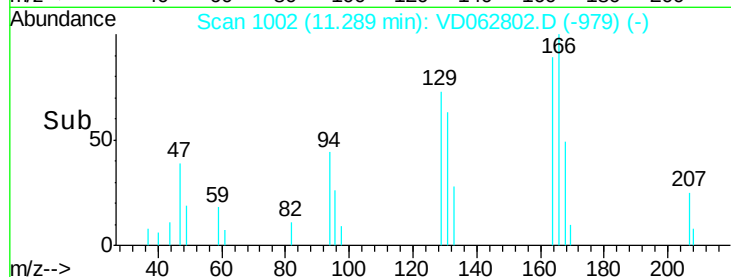
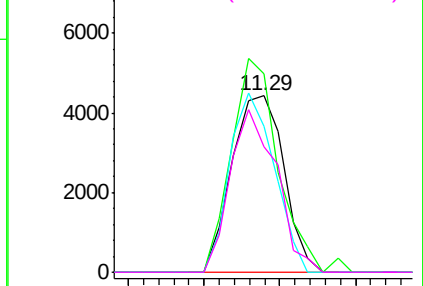


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

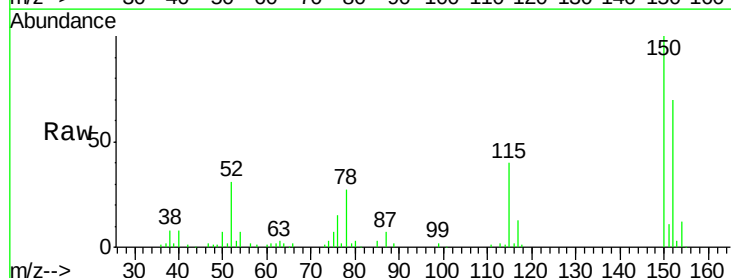
Tgt Ion:152 Resp: 76017

Ion Ratio Lower Upper

152 100

115 56.5 29.2 87.6

150 142.7 0.0 305.8



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

