

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013019\
 Data File : VD060803.D
 Acq On : 30 Jan 2019 14:03
 Operator : VA/AP
 Sample : K1282-01RE
 Misc : 3.86g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1RE

Quant Time: Jan 31 06:43:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

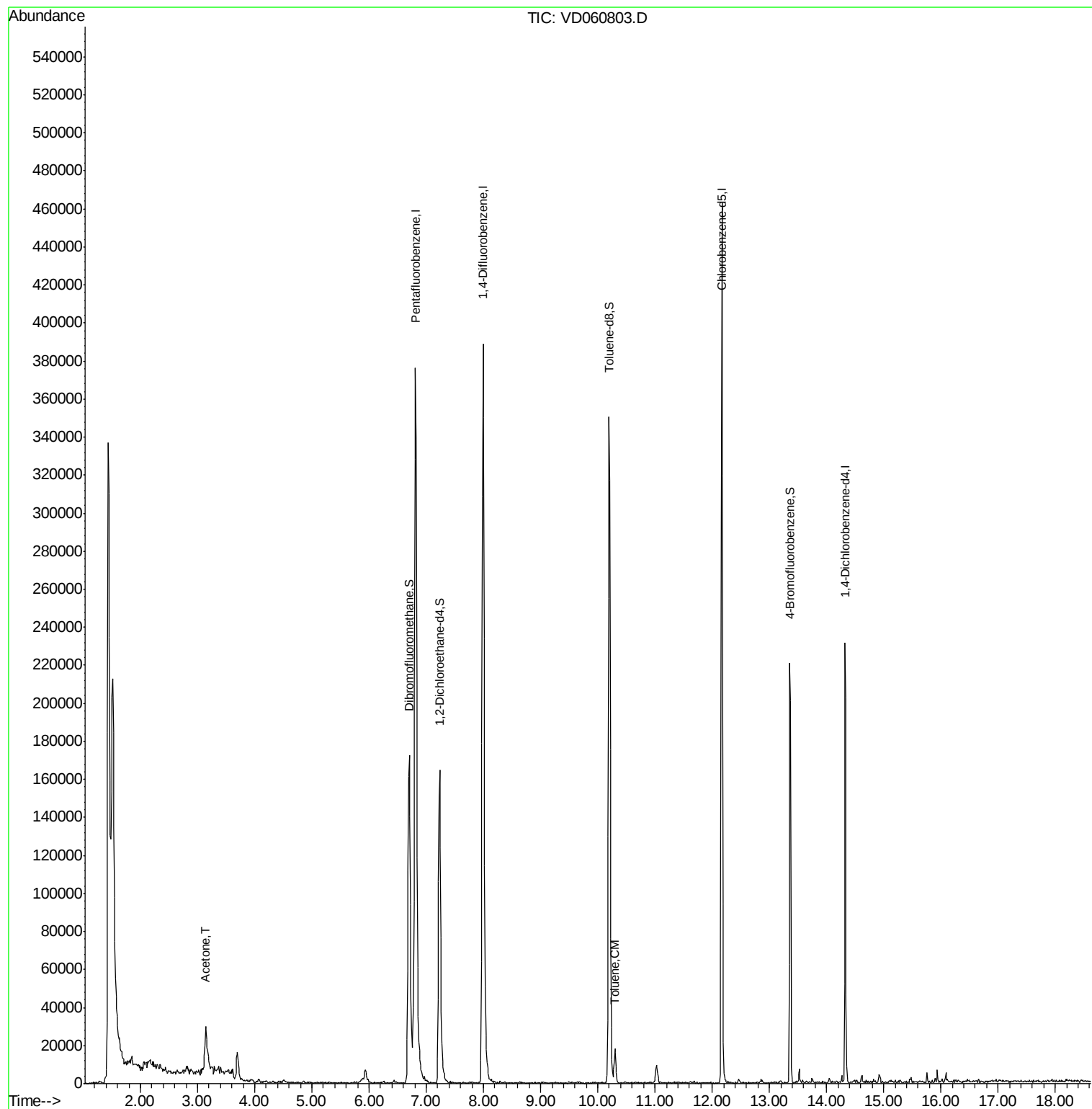
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.81	168	332588	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.99	114	395091	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.17	117	220568	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.33	152	44985	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.24	65	198590	38.95	ug/l	0.02
Spiked Amount 50.000			Recovery	=	77.90%	
35) Dibromofluoromethane	6.70	113	156152	41.21	ug/l	0.03
Spiked Amount 50.000			Recovery	=	82.42%	
50) Toluene-d8	10.20	98	287913	32.54	ug/l	0.01
Spiked Amount 50.000			Recovery	=	65.08%	
62) 4-Bromofluorobenzene	13.36	95	63519	14.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	28.56%	
Target Compounds						
16) Acetone	3.14	43	64467	87.538	ug/l #	89
52) Toluene	10.30	92	8399	1.422	ug/l	80

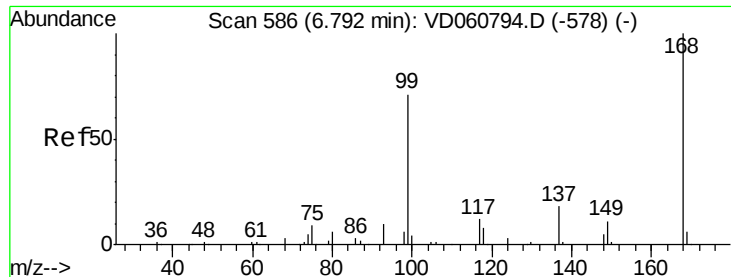
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.81 min Scan# 588

Delta R.T. 0.02 min

Lab File: VD060803.D

Acq: 30 Jan 2019 14:03

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MSVOA_D

ClientSampleId :

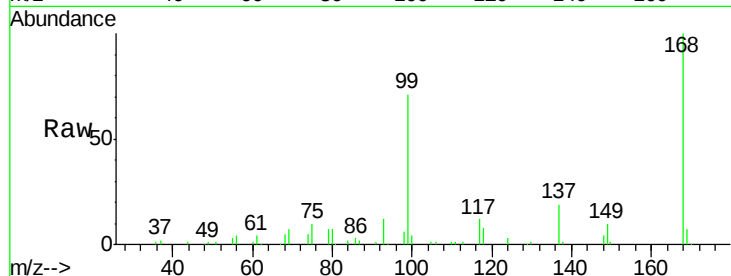
TP-1RE

Tot Ion:168 Resp: 332588

Ion Ratio Lower Upper

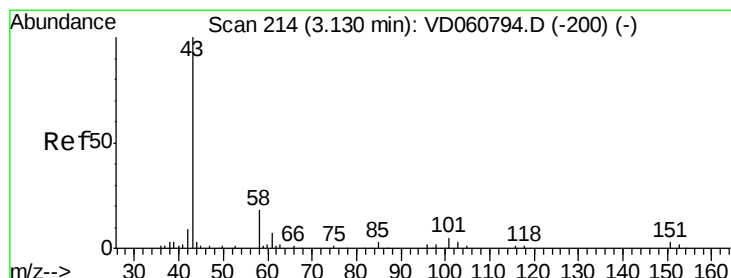
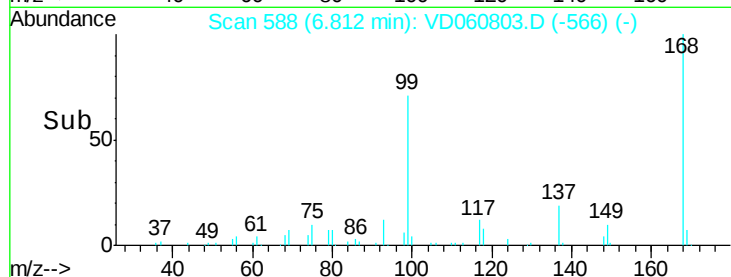
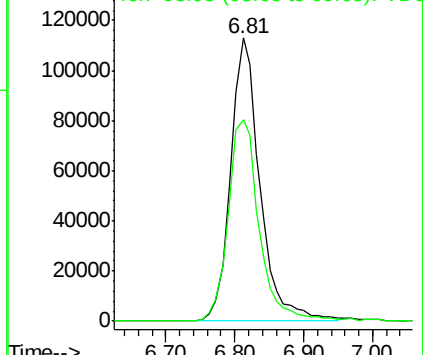
168 100

99 71.3 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 87.538 ug/l

RT: 3.14 min Scan# 215

Delta R.T. 0.01 min

Lab File: VD060803.D

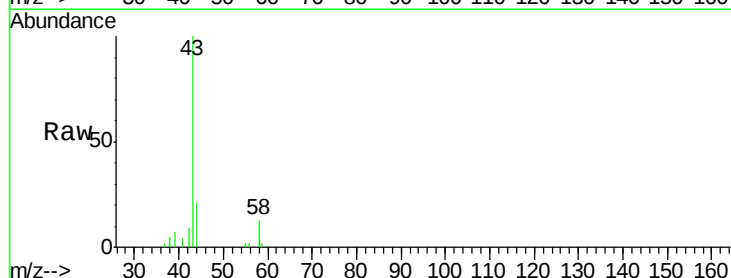
Acq: 30 Jan 2019 14:03

Tgt Ion: 43 Resp: 64467

Ion Ratio Lower Upper

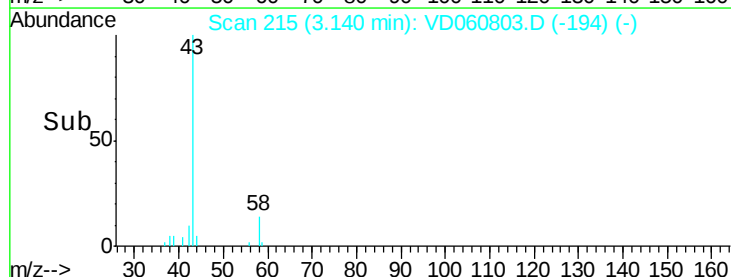
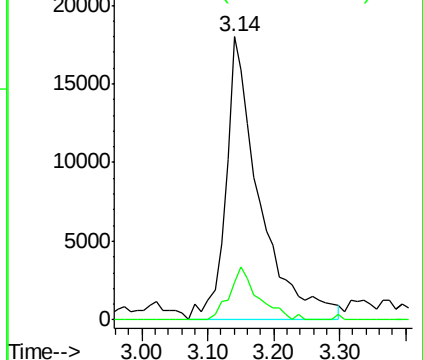
43 100

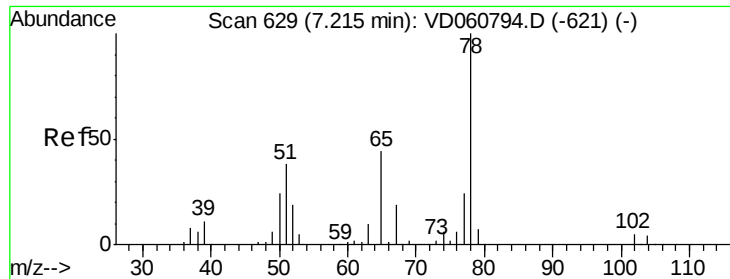
58 13.4 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

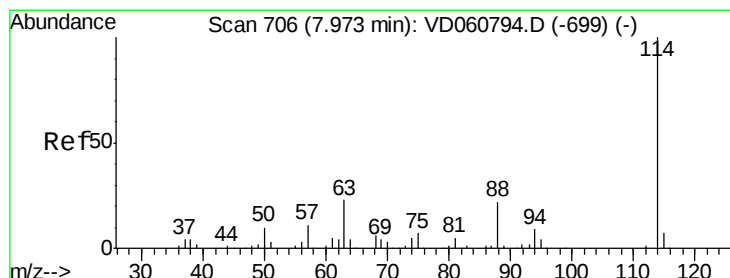
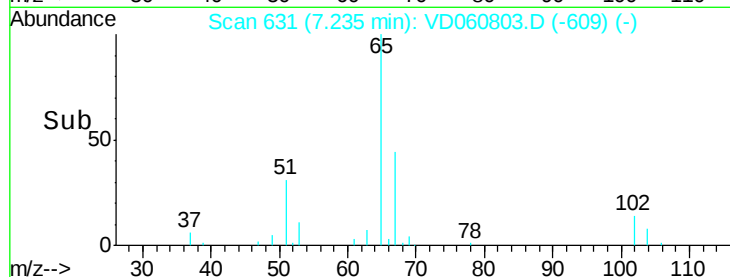
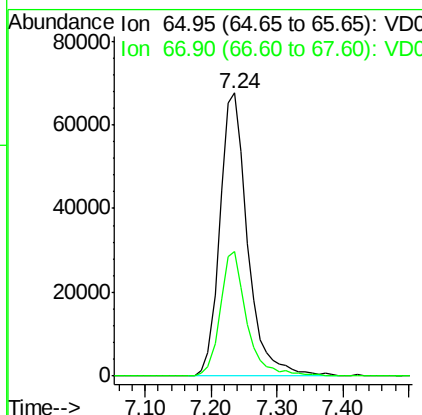
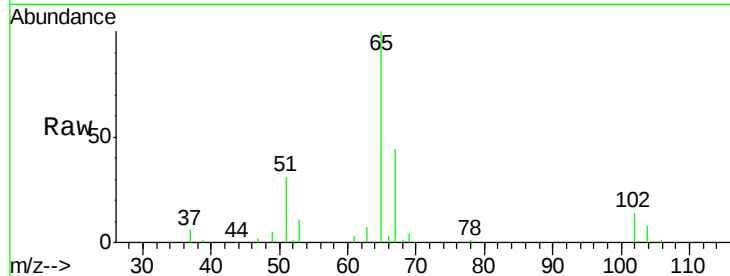




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.24 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VD060803.D
 Acq: 30 Jan 2019 14:03

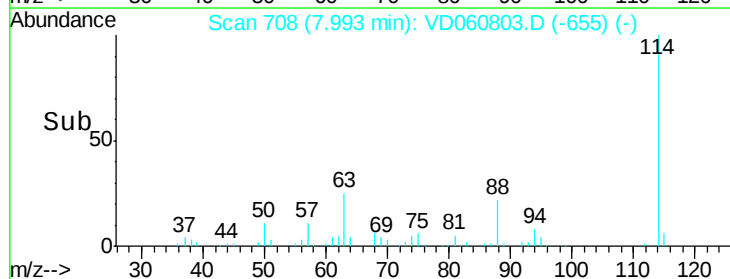
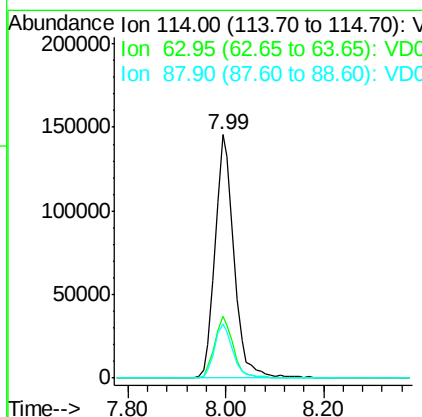
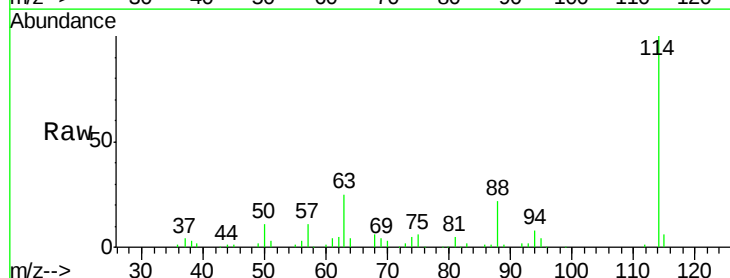
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1RE

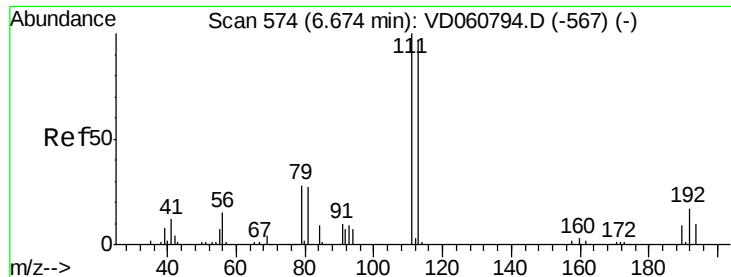
Tot Ion: 65 Resp: 198590
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.99 min Scan# 708
 Delta R.T. 0.02 min
 Lab File: VD060803.D
 Acq: 30 Jan 2019 14:03

Tgt Ion: 114 Resp: 395091
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 46.6
 88 22.4 0.0 44.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.70 min Scan# 577

Delta R.T. 0.03 min

Lab File: VD060803.D

Acq: 30 Jan 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

TP-1RE

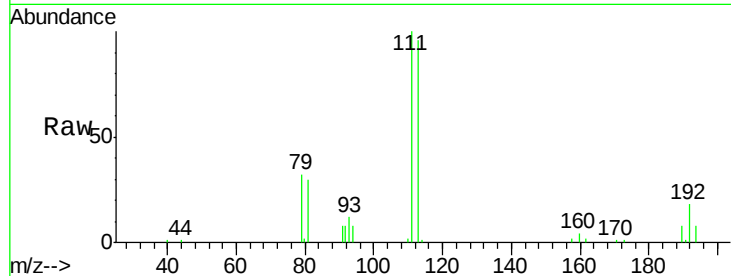
Tot Ion:113 Resp: 156152

Ion Ratio Lower Upper

113 100

111 104.2 82.3 123.5

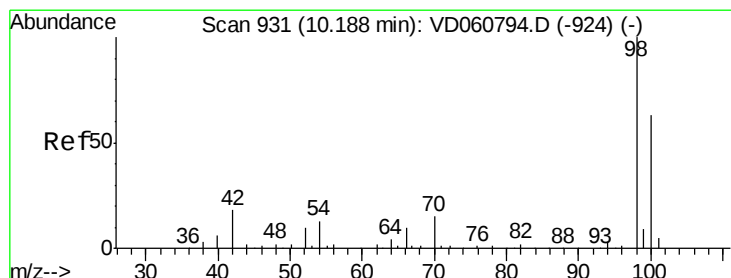
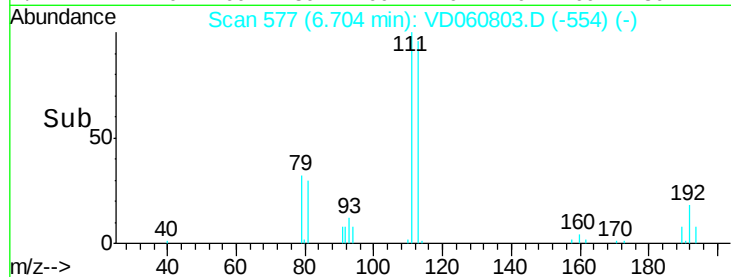
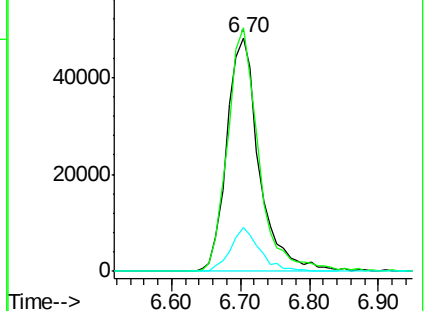
192 18.6 14.4 21.6



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: 10.20 min Scan# 932

Delta R.T. 0.01 min

Lab File: VD060803.D

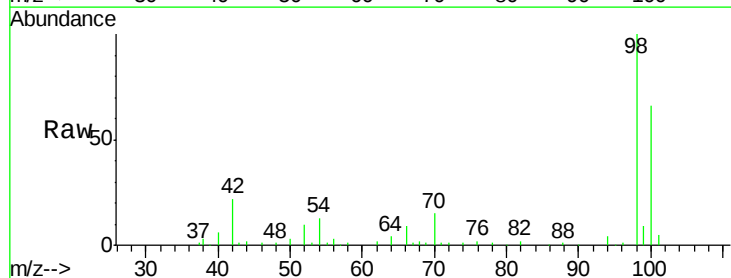
Acq: 30 Jan 2019 14:03

Tgt Ion: 98 Resp: 287913

Ion Ratio Lower Upper

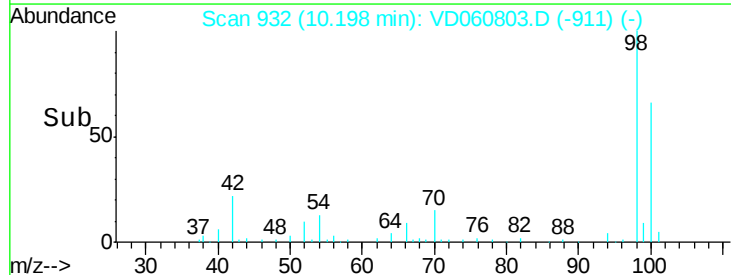
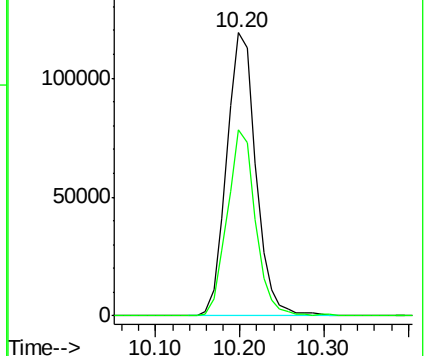
98 100

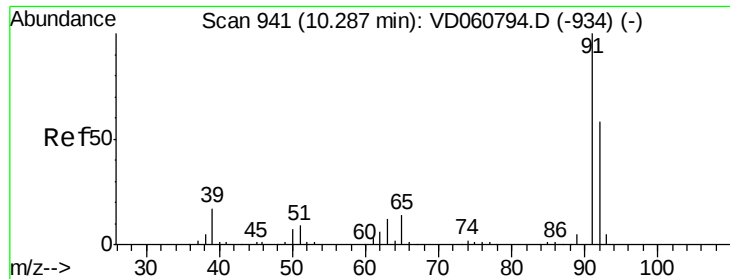
100 65.9 51.0 76.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.422 ug/l

RT: 10.30 min Scan# 942

Delta R.T. 0.01 min

Lab File: VD060803.D

Acq: 30 Jan 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

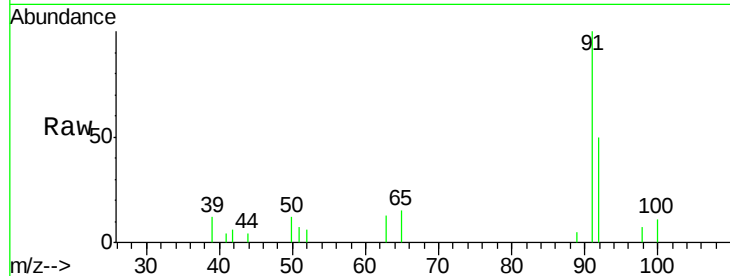
TP-1RE

Tot Ion: 92 Resp: 8399

Ion Ratio Lower Upper

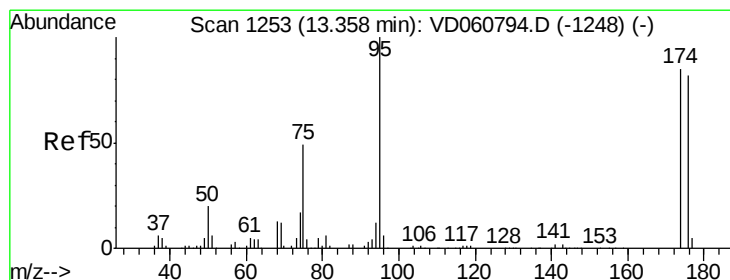
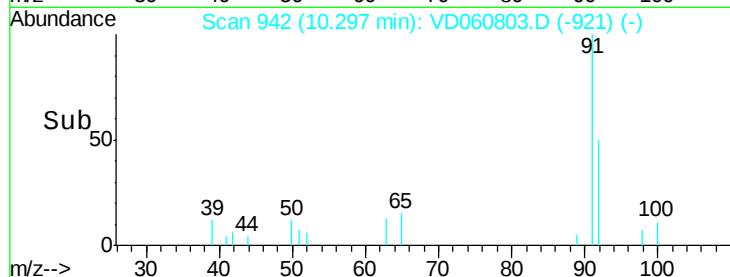
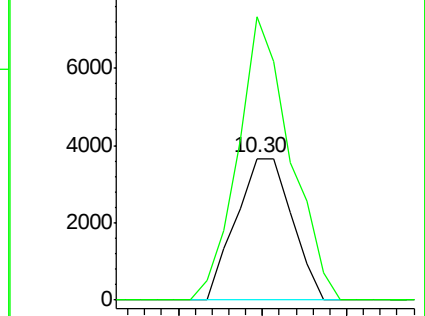
92 100

91 200.0 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.36 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD060803.D

Acq: 30 Jan 2019 14:03

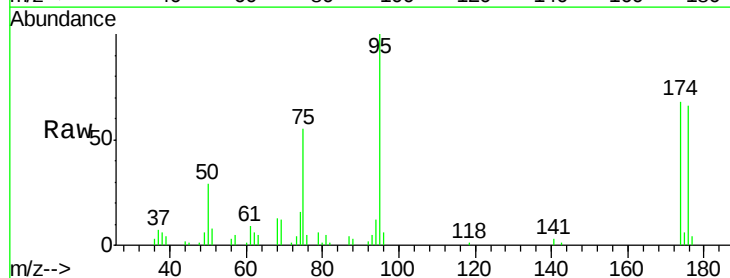
Tgt Ion: 95 Resp: 63519

Ion Ratio Lower Upper

95 100

174 68.2 0.0 169.6

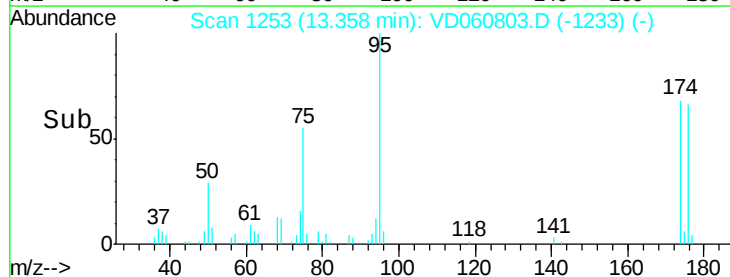
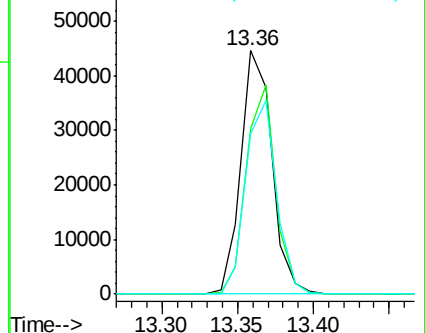
176 66.1 0.0 163.8

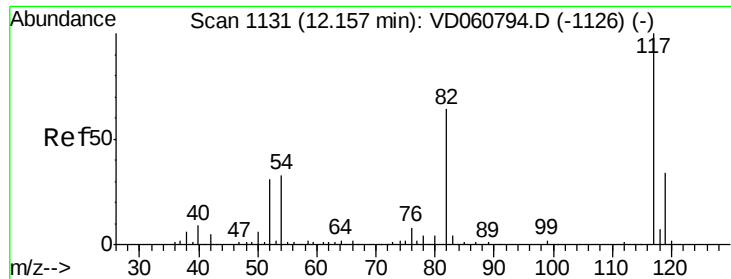


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

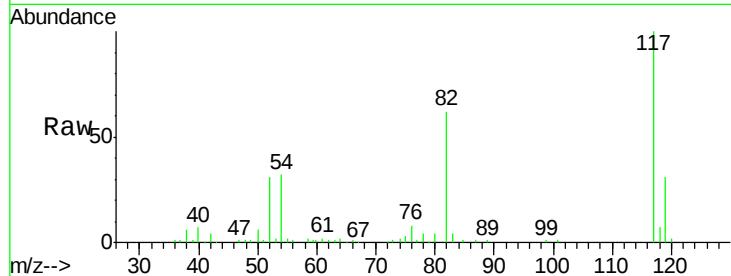




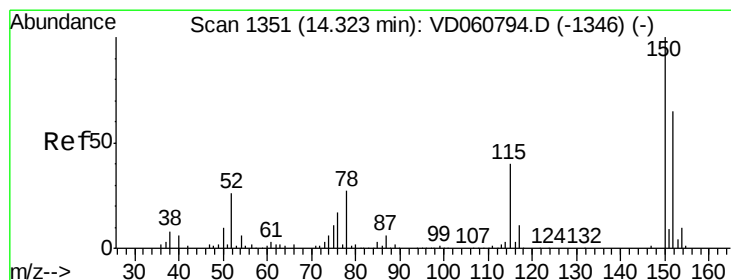
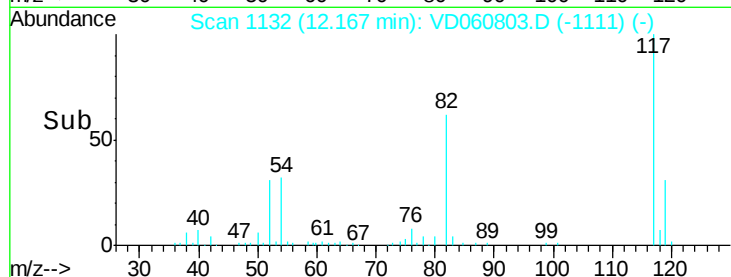
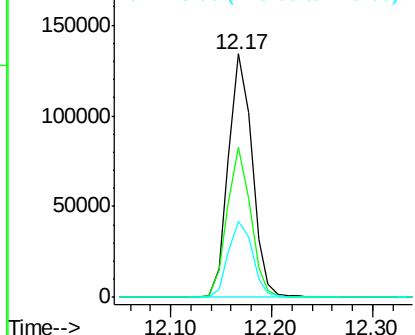
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VD060803.D
Acq: 30 Jan 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

Tot Ion:117 Resp: 220568
Ion Ratio Lower Upper
117 100
82 61.7 51.5 77.3
119 31.4 27.1 40.7

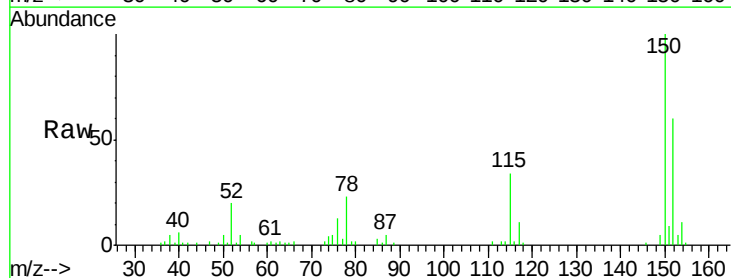


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.33 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VD060803.D
Acq: 30 Jan 2019 14:03

Tgt Ion:152 Resp: 44985
Ion Ratio Lower Upper
152 100
115 57.5 31.6 95.0
150 167.7 0.0 317.6



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

