

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060823.D
 Acq On : 1 Feb 2019 17:04
 Operator : VA/AP
 Sample : K1297-04RE
 Misc : 4.34g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-01-30-19RE

Quant Time: Feb 02 01:55:03 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

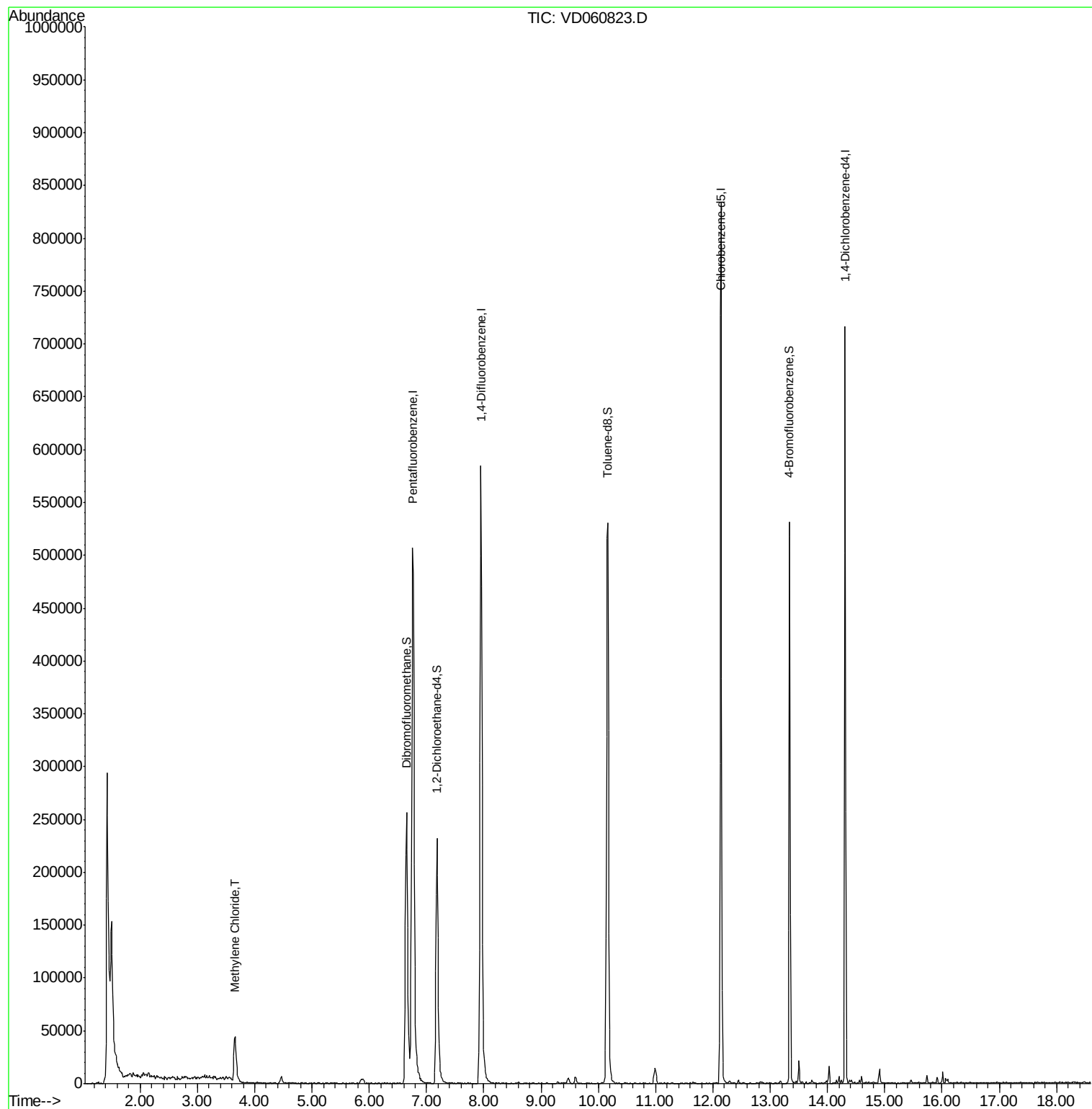
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.77	168	438136	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.95	114	559233	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.14	117	398583	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.31	152	136481	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.18	65	283164	42.16	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	84.32%	
35) Dibromofluoromethane	6.65	113	222506	41.49	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	82.98%	
50) Toluene-d8	10.16	98	421851	33.68	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	67.36%	
62) 4-Bromofluorobenzene	13.33	95	166626	26.47	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	52.94%	
Target Compounds						
20) Methylene Chloride	3.65	84	27362	1.927	ug/l #	Qvalue 83

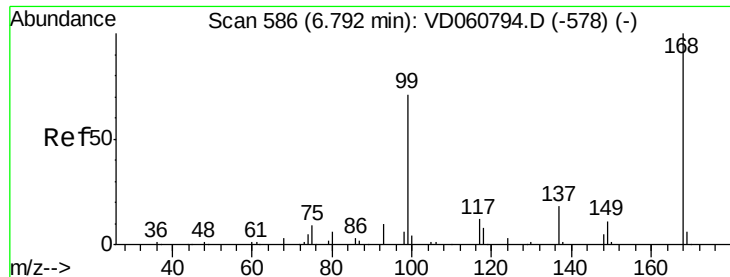
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.77 min Scan# 583

Delta R.T. -0.02 min

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Instrument :

MSVOA_D

ClientSampleId :

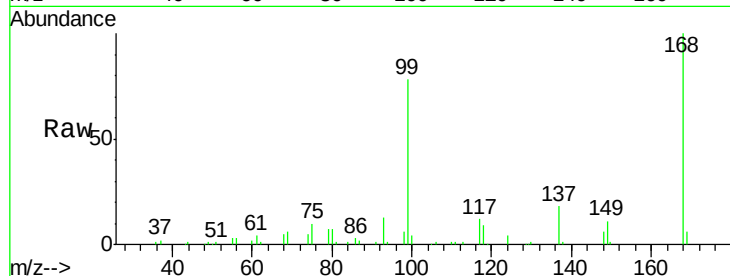
DUP-01-30-19RE

Tot Ion:168 Resp: 438136

Ion Ratio Lower Upper

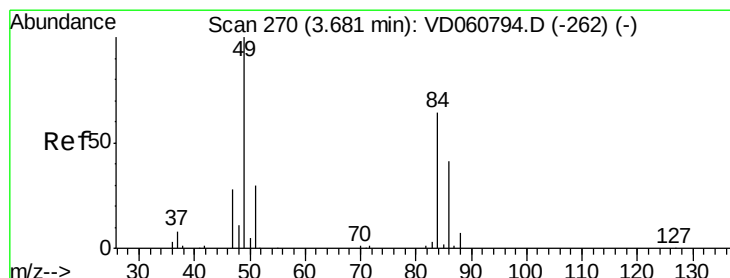
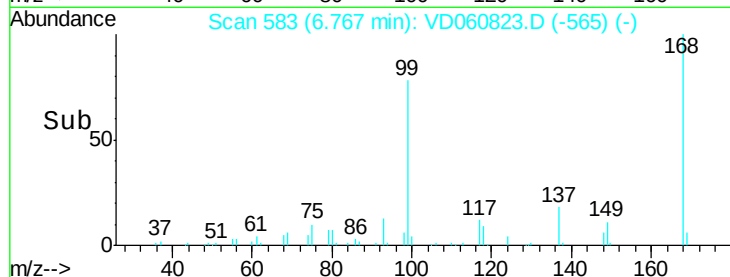
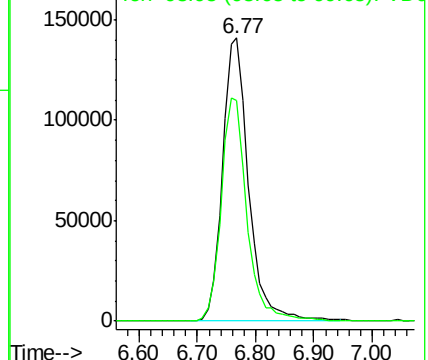
168 100

99 77.9 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 1.927 ug/l

RT: 3.65 min Scan# 266

Delta R.T. -0.03 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

Tgt Ion: 84 Resp: 27362

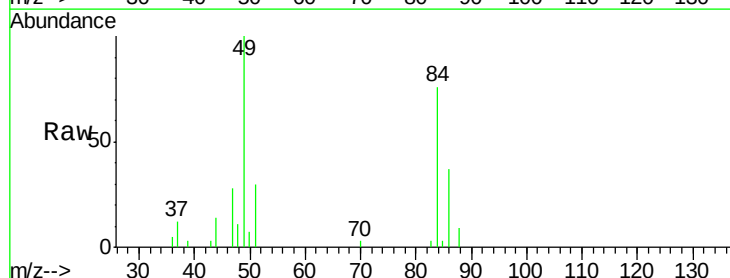
Ion Ratio Lower Upper

84 100

49 131.8 124.2 186.2

51 39.5 38.1 57.1

86 49.3 50.6 76.0#

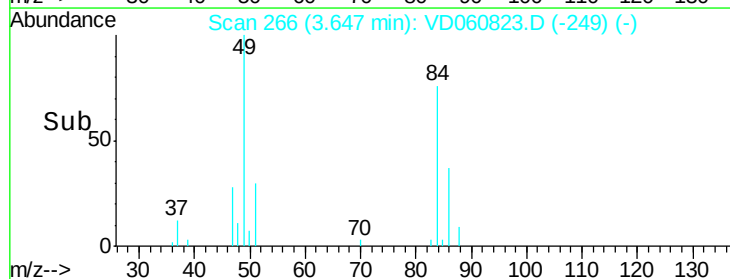
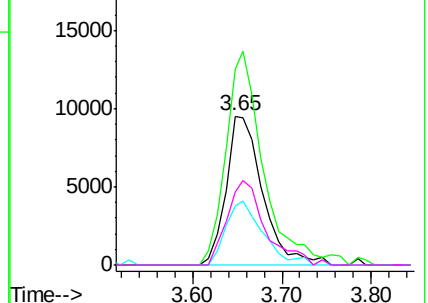


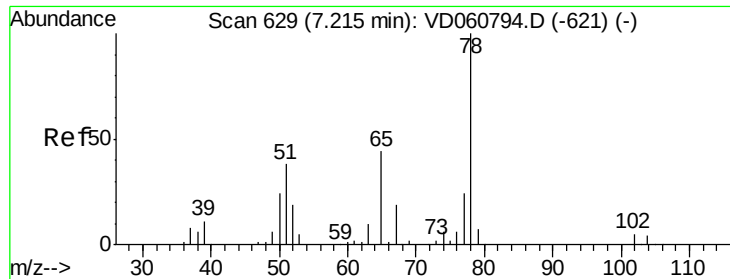
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

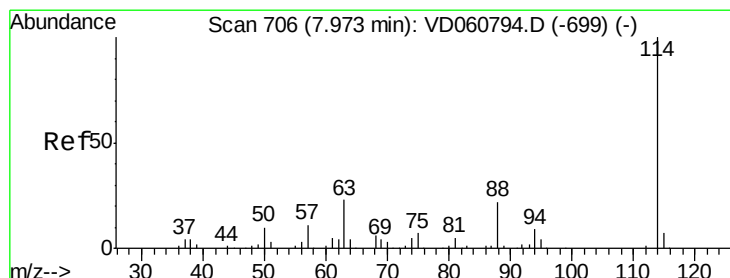
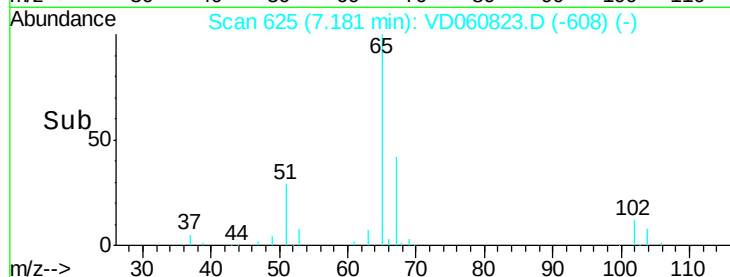
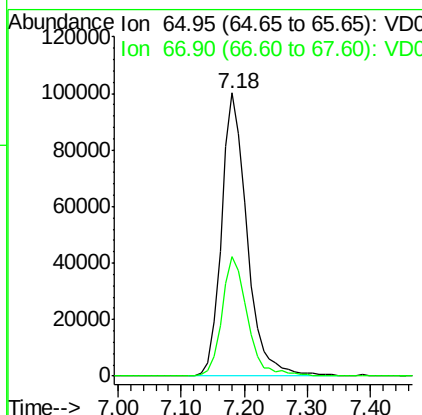
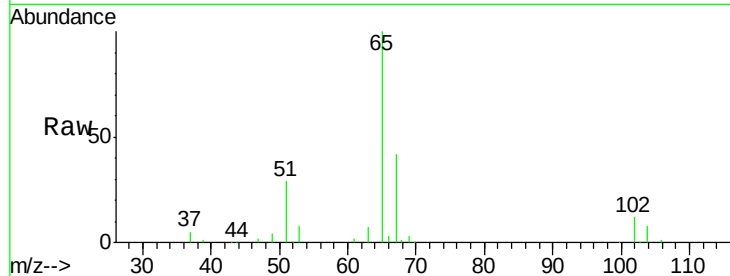




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.18 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: VD060823.D
 Acq: 1 Feb 2019 17:04

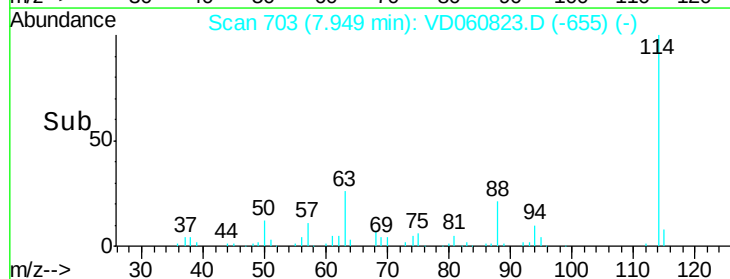
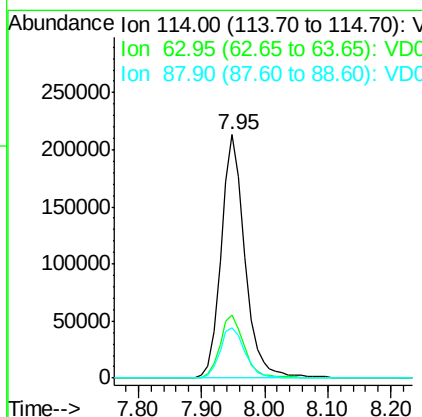
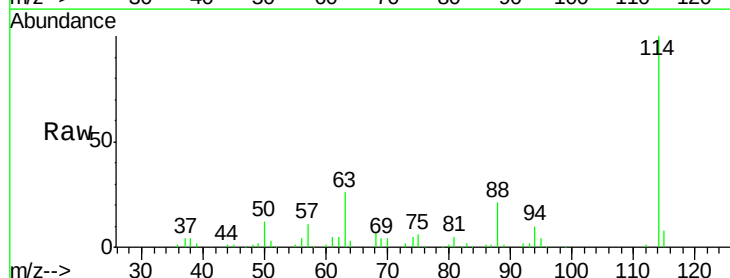
Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-01-30-19RE

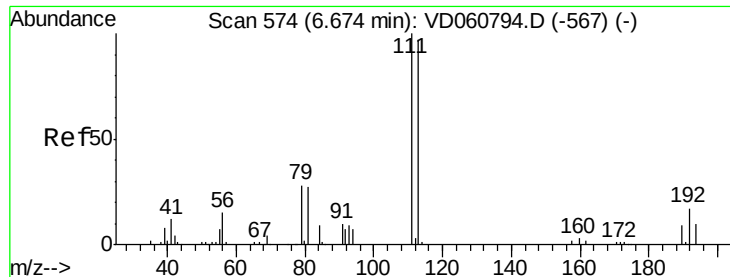
Tot Ion: 65 Resp: 283164
 Ion Ratio Lower Upper
 65 100
 67 42.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 703
 Delta R.T. -0.02 min
 Lab File: VD060823.D
 Acq: 1 Feb 2019 17:04

Tgt Ion: 114 Resp: 559233
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 46.6
 88 20.8 0.0 44.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.65 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

DUP-01-30-19RE

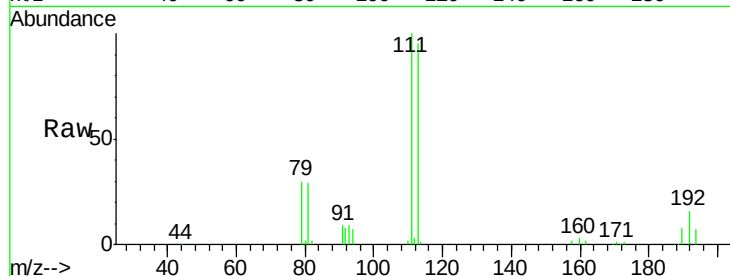
Tot Ion:113 Resp: 222506

Ion Ratio Lower Upper

113 100

111 105.2 82.3 123.5

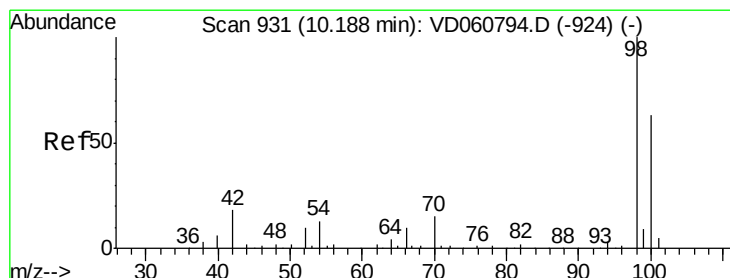
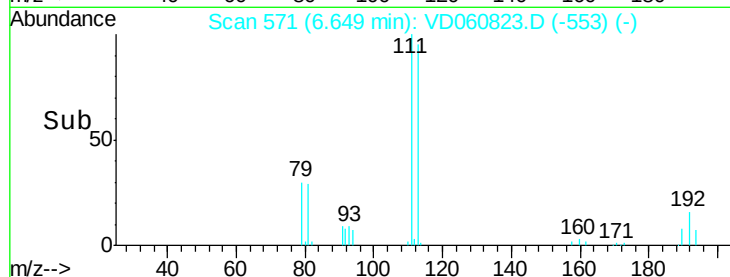
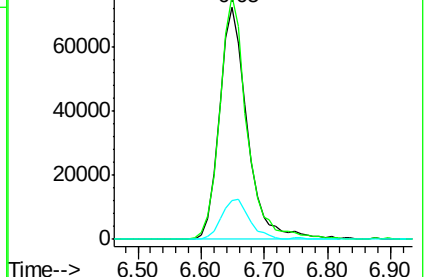
192 16.6 14.4 21.6



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: 10.16 min Scan# 928

Delta R.T. -0.02 min

Lab File: VD060823.D

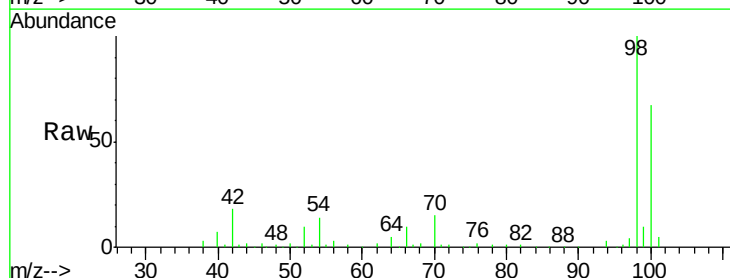
Acq: 1 Feb 2019 17:04

Tgt Ion: 98 Resp: 421851

Ion Ratio Lower Upper

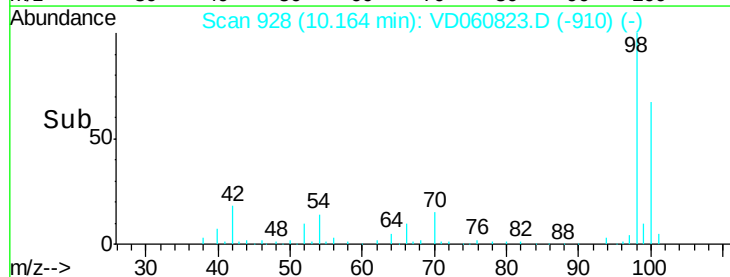
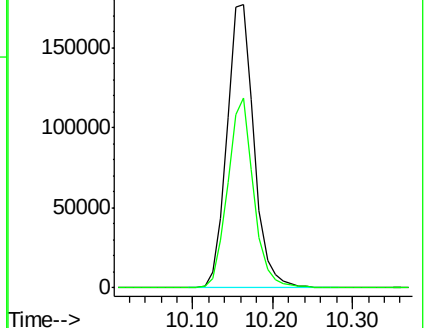
98 100

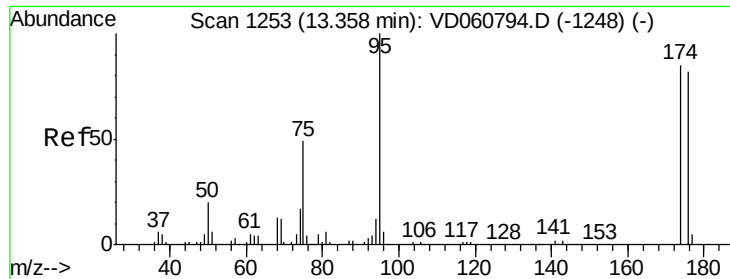
100 67.2 51.0 76.6



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: 13.33 min Scan# 1250

Delta R.T. -0.02 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

DUP-01-30-19RE

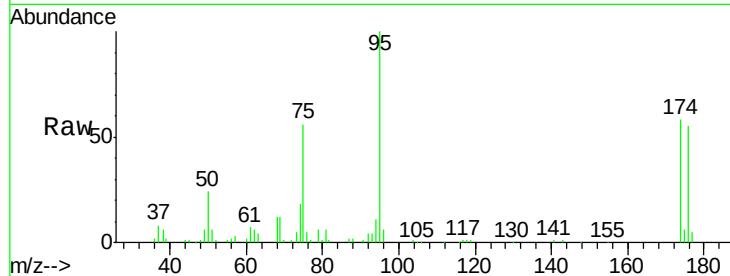
Tot Ion: 95 Resp: 166626

Ion Ratio Lower Upper

95 100

174 58.0 0.0 169.6

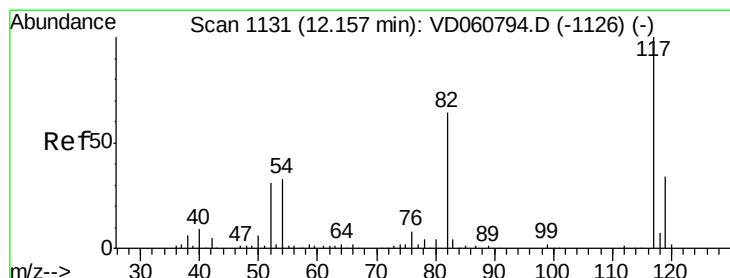
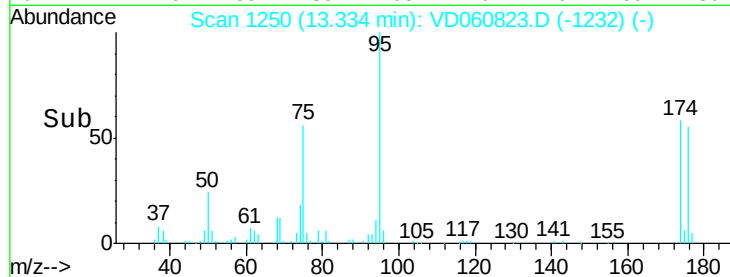
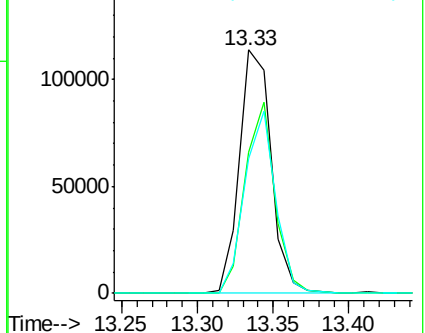
176 55.4 0.0 163.8



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: 12.14 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

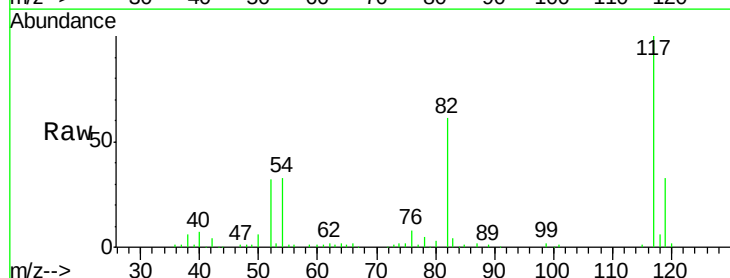
Tgt Ion: 117 Resp: 398583

Ion Ratio Lower Upper

117 100

82 61.3 51.5 77.3

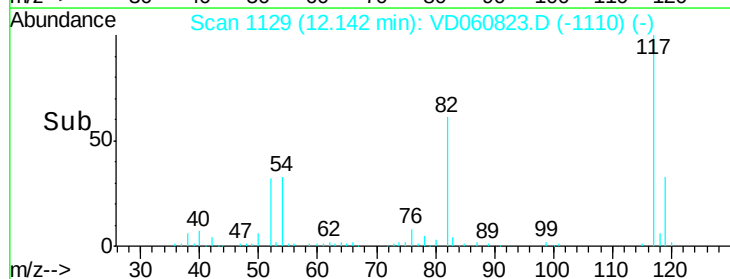
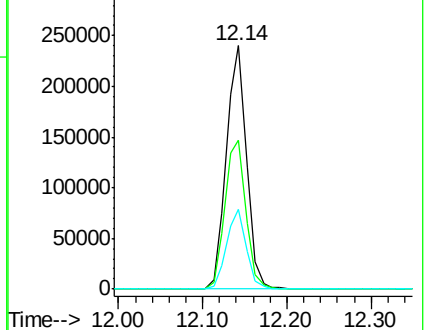
119 32.9 27.1 40.7

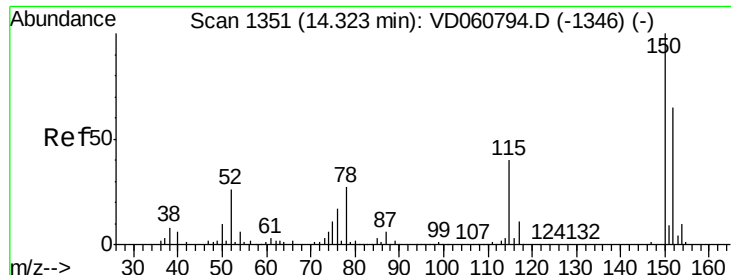


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.31 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

DUP-01-30-19RE

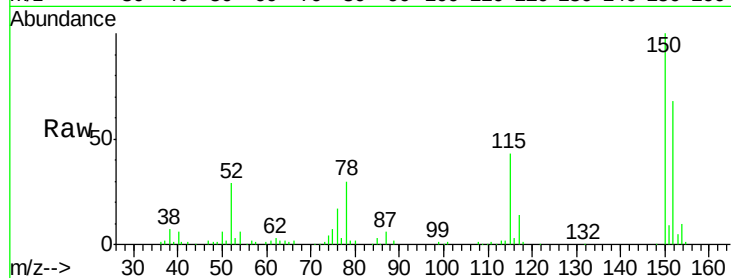
Tot Ion:152 Resp: 136481

Ion Ratio Lower Upper

152 100

115 63.4 31.6 95.0

150 147.9 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

