

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060824.D
 Acq On : 1 Feb 2019 17:32
 Operator : VA/AP
 Sample : K1297-05RE
 Misc : 5.22g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SS2RE

Quant Time: Feb 02 01:57:31 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

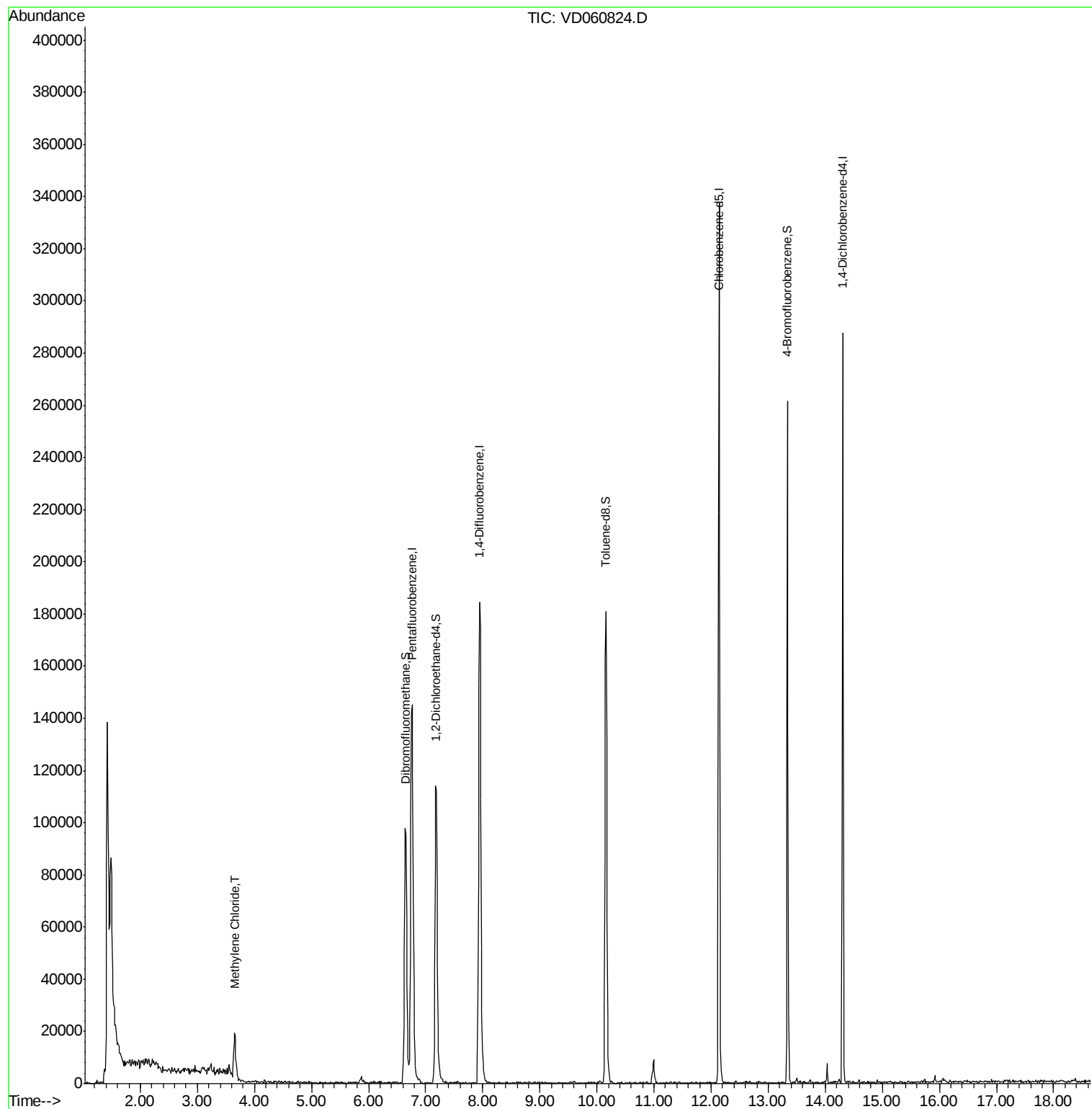
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.76	168	128970	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.94	114	183230	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	145637	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.30	152	53910	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.18	65	141855	71.74	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	143.48%	
35) Dibromofluoromethane	6.64	113	83464	47.50	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	10.16	98	142347	34.69	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	69.38%	
62) 4-Bromofluorobenzene	13.34	95	69794	33.84	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	67.68%	
Target Compounds						
20) Methylene Chloride	3.65	84	10932	4.455	ug/l #	84

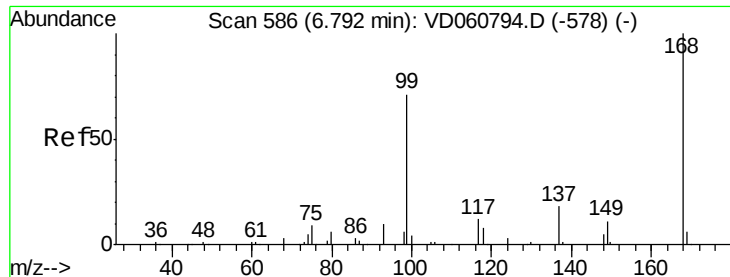
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.03 min

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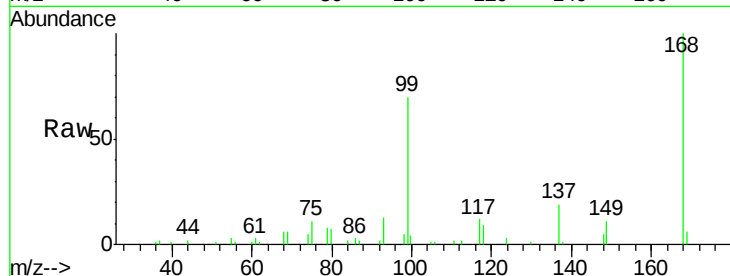
A0C17-SS2RE

Tot Ion:168 Resp: 128970

Ion Ratio Lower Upper

168 100

99 69.9 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.76

40000

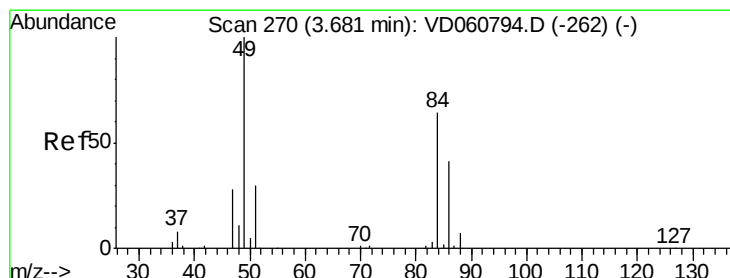
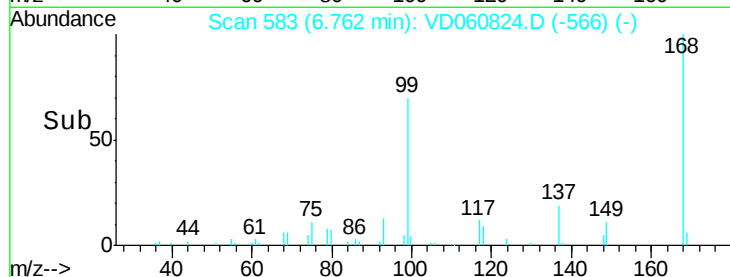
30000

20000

10000

0

Time--> 6.60 6.70 6.80 6.90



#20

Methylene Chloride

Concen: 4.455 ug/l

RT: 3.65 min Scan# 267

Delta R.T. -0.03 min

Lab File: VD060824.D

Acq: 1 Feb 2019 17:32

Tgt Ion: 84 Resp: 10932

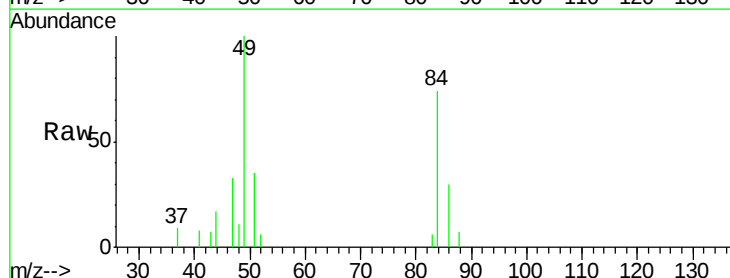
Ion Ratio Lower Upper

84 100

49 134.6 124.2 186.2

51 47.2 38.1 57.1

86 40.4 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

3.65

8000

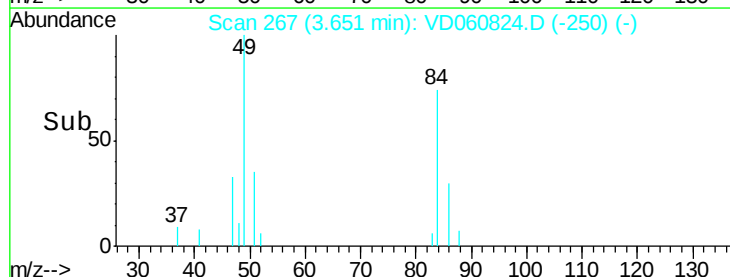
6000

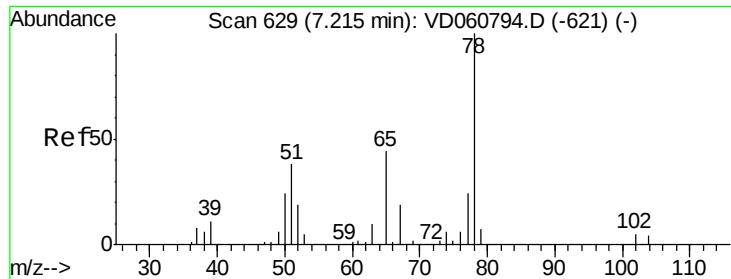
4000

2000

0

Time--> 3.55 3.60 3.65 3.70 3.75

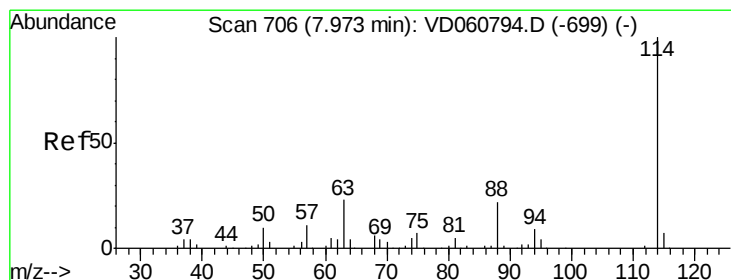
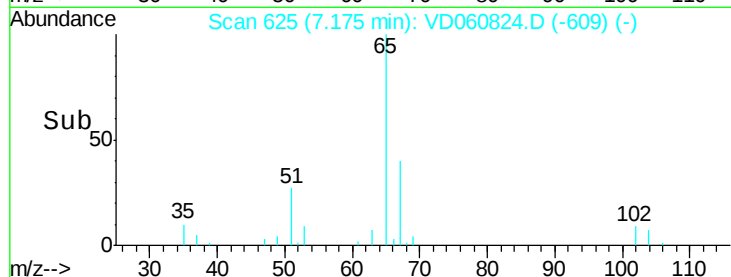
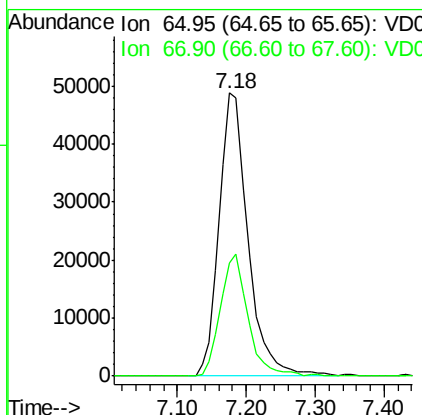
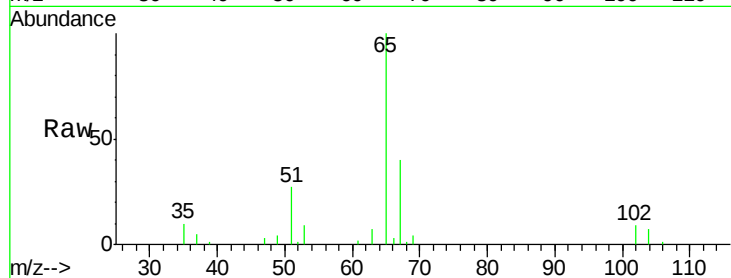




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.18 min Scan# 625
 Delta R.T. -0.04 min
 Lab File: VD060824.D
 Acq: 1 Feb 2019 17:32

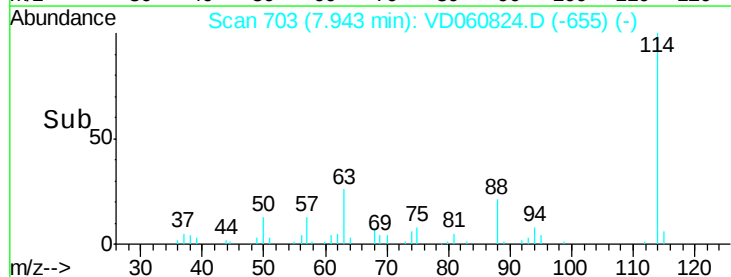
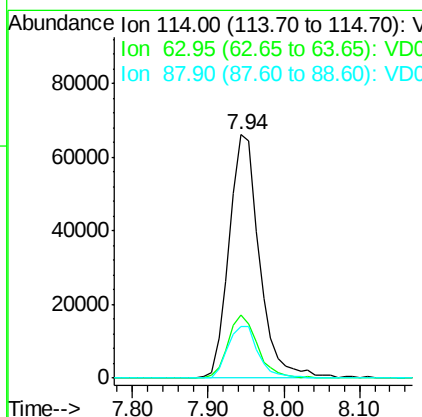
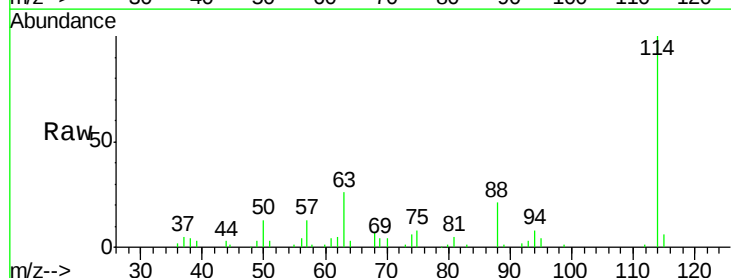
Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SS2RE

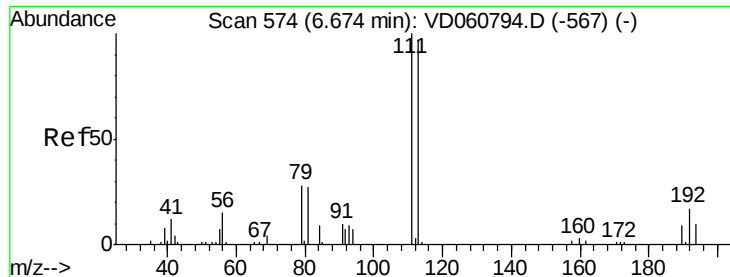
Tot Ion: 65 Resp: 141855
 Ion Ratio Lower Upper
 65 100
 67 40.0 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.94 min Scan# 703
 Delta R.T. -0.03 min
 Lab File: VD060824.D
 Acq: 1 Feb 2019 17:32

Tgt Ion: 114 Resp: 183230
 Ion Ratio Lower Upper
 114 100
 63 26.1 0.0 46.6
 88 21.2 0.0 44.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.64 min Scan# 571

Delta R.T. -0.03 min

Lab File: VD060824.D

Acq: 1 Feb 2019 17:32

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SS2RE

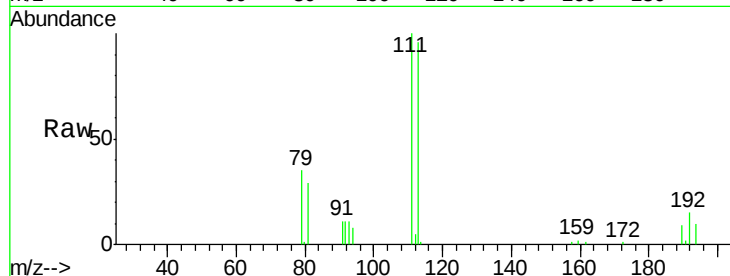
Tot Ion:113 Resp: 83464

Ion Ratio Lower Upper

113 100

111 104.0 82.3 123.5

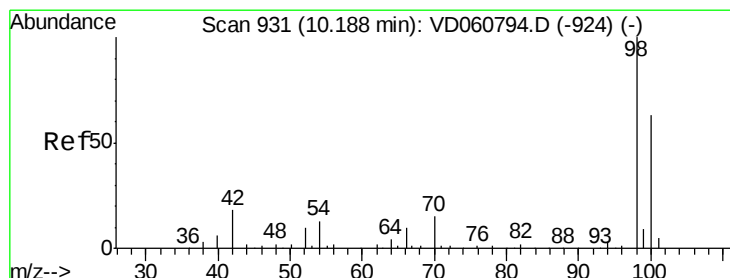
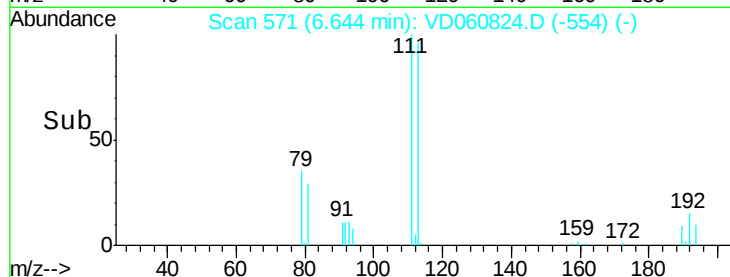
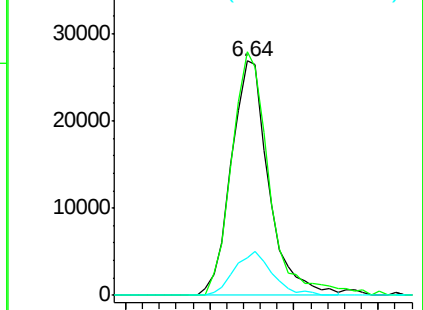
192 15.8 14.4 21.6



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. -0.03 min

Lab File: VD060824.D

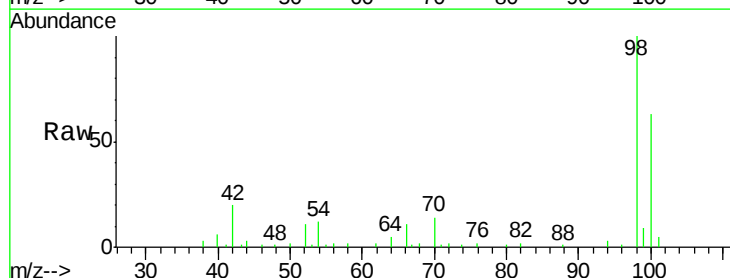
Acq: 1 Feb 2019 17:32

Tgt Ion: 98 Resp: 142347

Ion Ratio Lower Upper

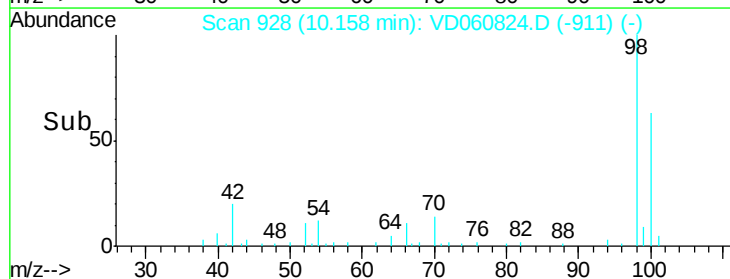
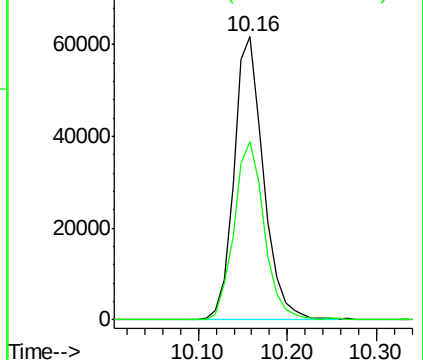
98 100

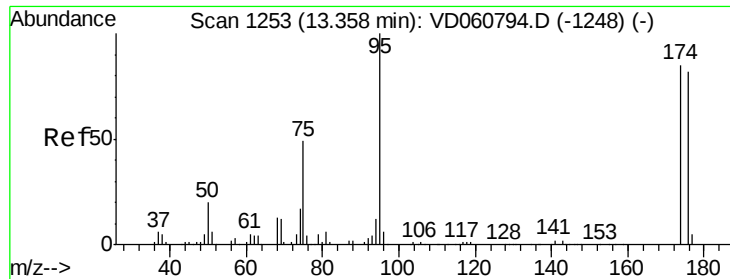
100 63.1 51.0 76.6



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: 13.34 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD060824.D

Acq: 1 Feb 2019 17:32

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SS2RE

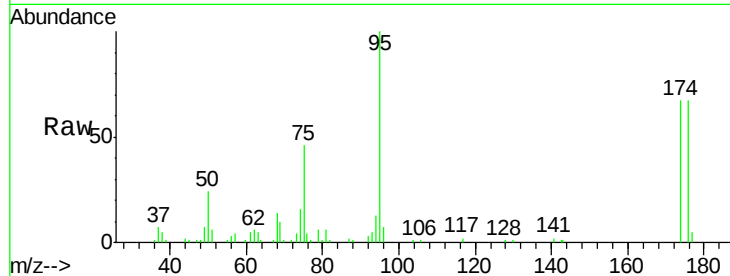
Tot Ion: 95 Resp: 69794

Ion Ratio Lower Upper

95 100

174 67.4 0.0 169.6

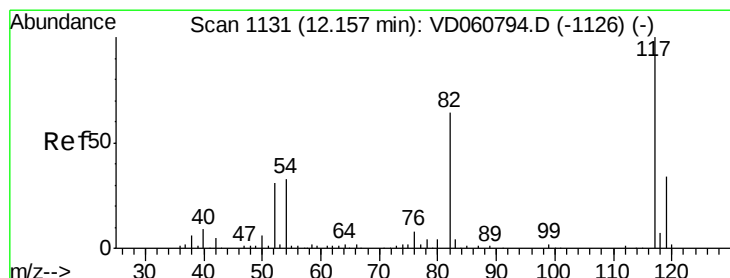
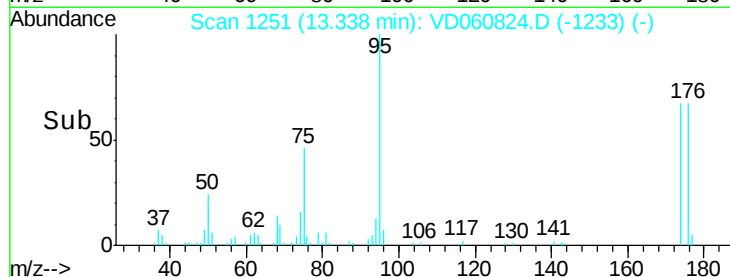
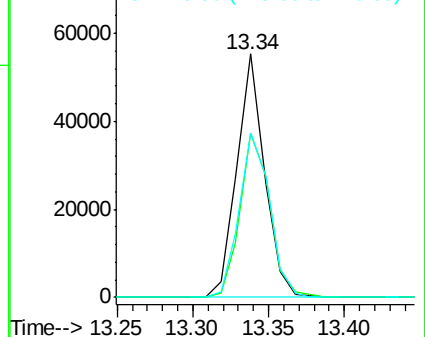
176 67.3 0.0 163.8



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. -0.02 min

Lab File: VD060824.D

Acq: 1 Feb 2019 17:32

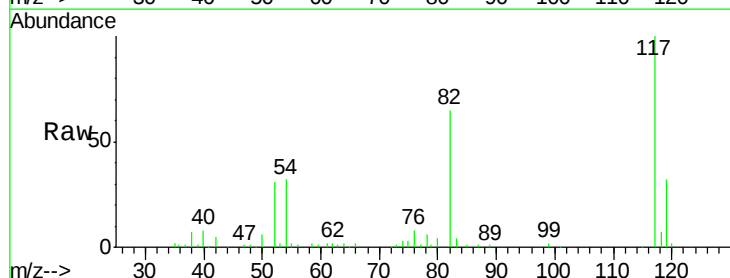
Tgt Ion: 117 Resp: 145637

Ion Ratio Lower Upper

117 100

82 64.9 51.5 77.3

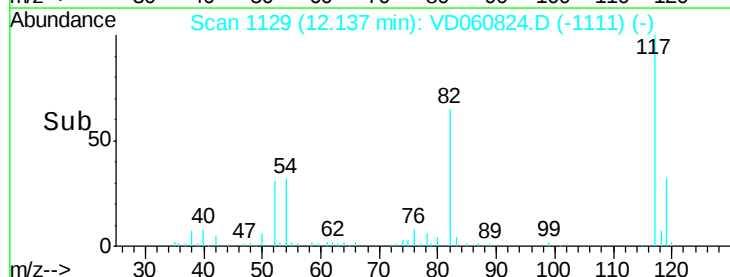
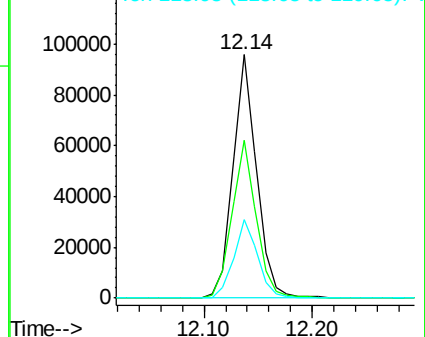
119 32.2 27.1 40.7

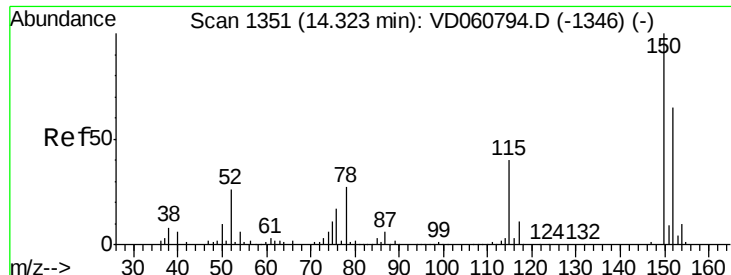


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.30 min Scan# 1349

Delta R.T. -0.02 min

Lab File: VD060824.D

Acq: 1 Feb 2019 17:32

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SS2RE

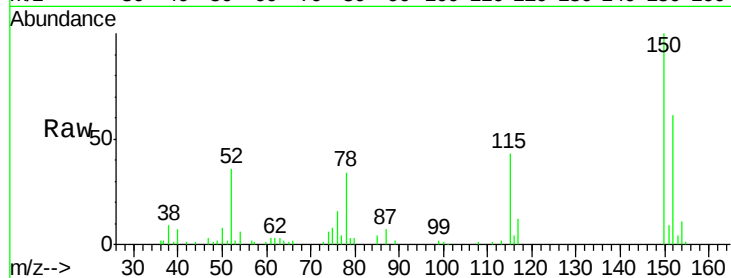
Tot Ion:152 Resp: 53910

Ion Ratio Lower Upper

152 100

115 71.2 31.6 95.0

150 163.9 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

