

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061669.D
 Acq On : 9 Apr 2019 00:14
 Operator : VA/AP
 Sample : K2240-06
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-(13.5-14)

Quant Time: Apr 09 03:06:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

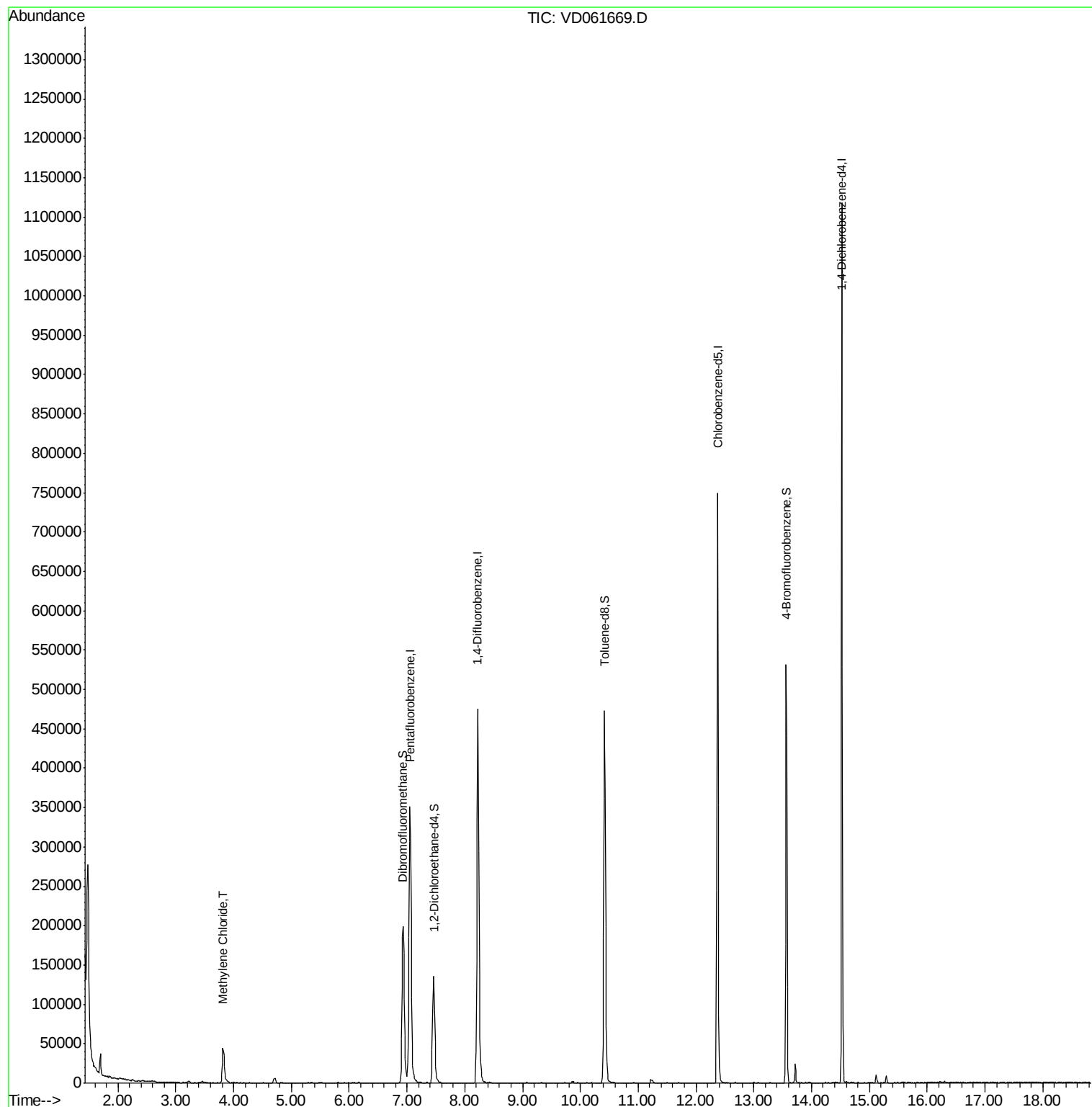
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	361448	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	574772	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	474352	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	240669	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	137521	50.19	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.38%	
35) Dibromofluoromethane	6.93	113	195411	49.08	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.16%	
50) Toluene-d8	10.42	98	410951	41.08	ug/l	0.01
Spiked Amount 50.000			Recovery	=	82.16%	
62) 4-Bromofluorobenzene	13.56	95	167866	47.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.34%	
Target Compounds						
20) Methylene Chloride	3.81	84	31604	6.800	ug/l #	Qvalue 87

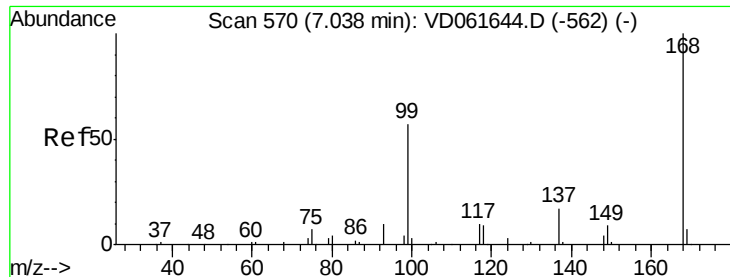
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

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Acq: 9 Apr 2019 00:14

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ClientSampleId :

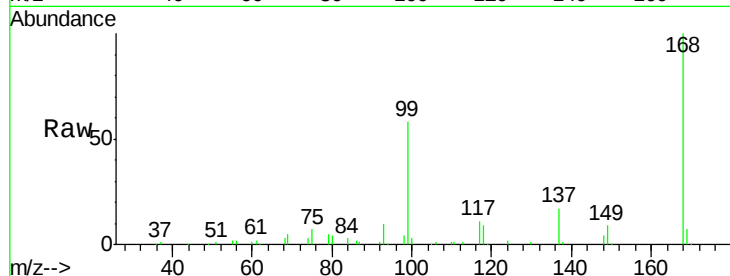
SB-02-(13.5-14)

Tot Ion:168 Resp: 361448

Ion Ratio Lower Upper

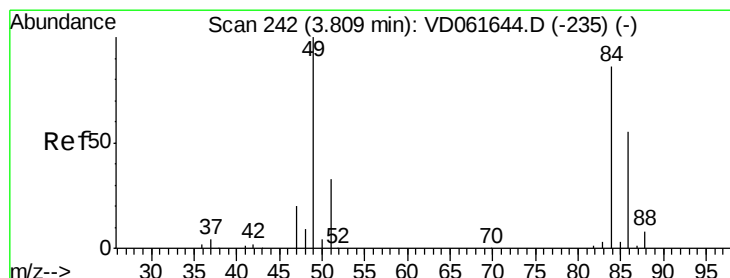
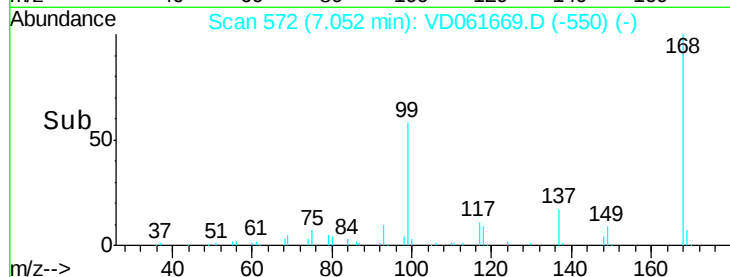
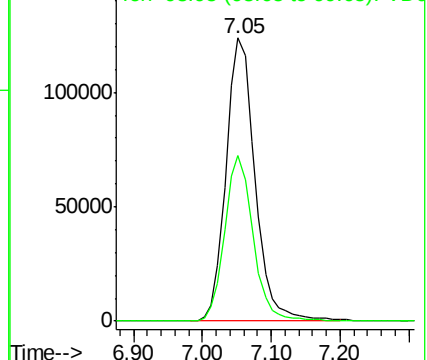
168 100

99 58.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 6.800 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061669.D

Acq: 9 Apr 2019 00:14

Tgt Ion: 84 Resp: 31604

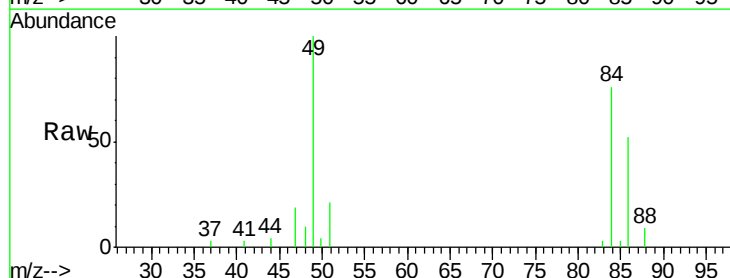
Ion Ratio Lower Upper

84 100

49 132.3 93.0 139.4

51 27.9 30.4 45.6#

86 69.3 51.0 76.4

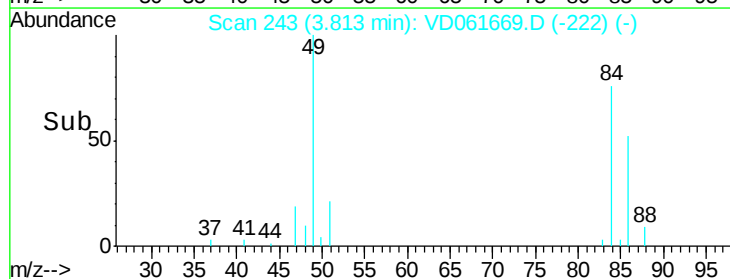
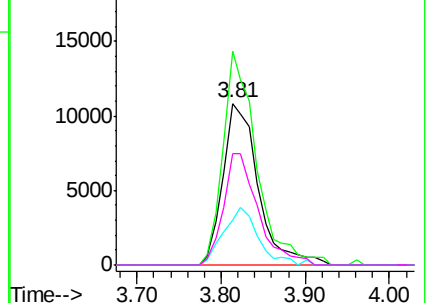


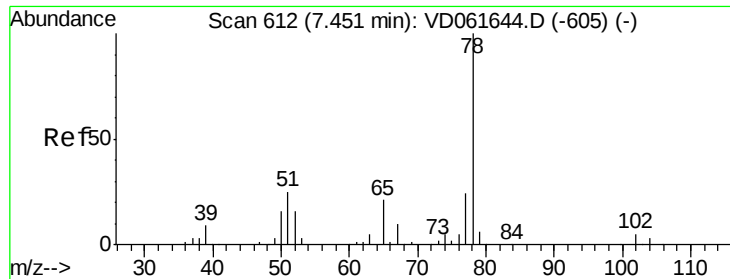
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061669.D

Acq: 9 Apr 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

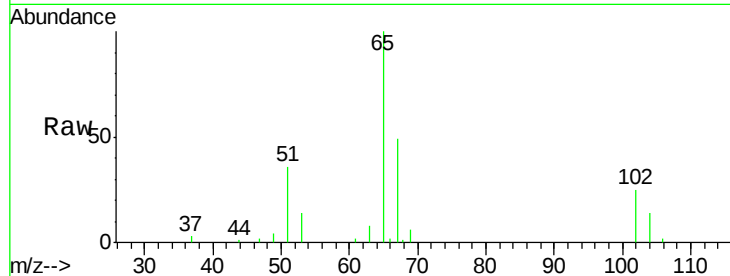
SB-02-(13.5-14)

Tot Ion: 65 Resp: 137521

Ion Ratio Lower Upper

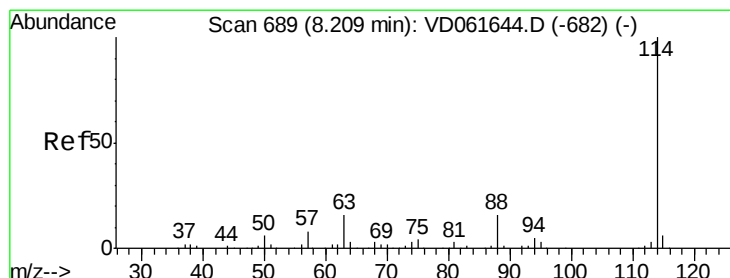
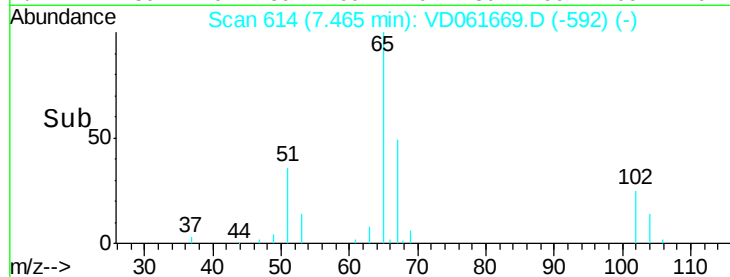
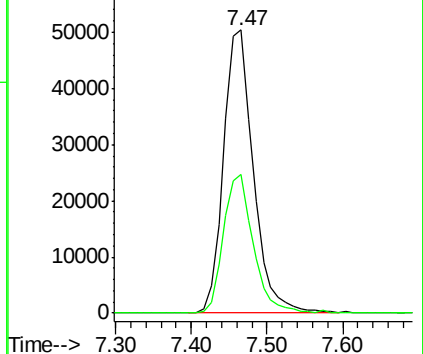
65 100

67 49.0 0.0 99.4



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: 8.22 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061669.D

Acq: 9 Apr 2019 00:14

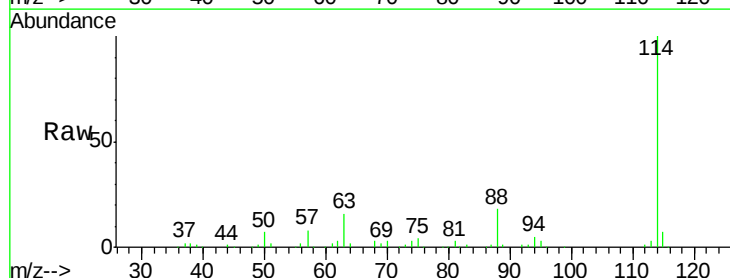
Tgt Ion: 114 Resp: 574772

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.2

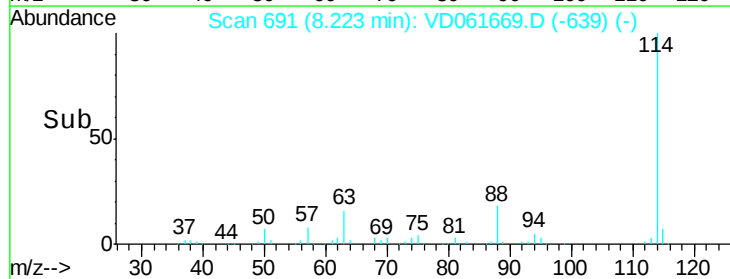
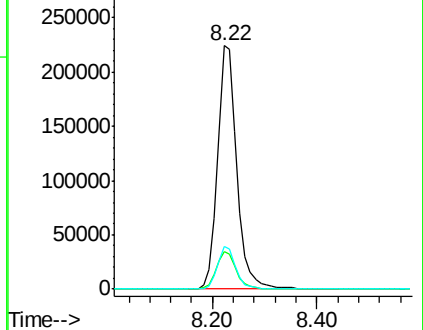
88 17.7 0.0 31.8

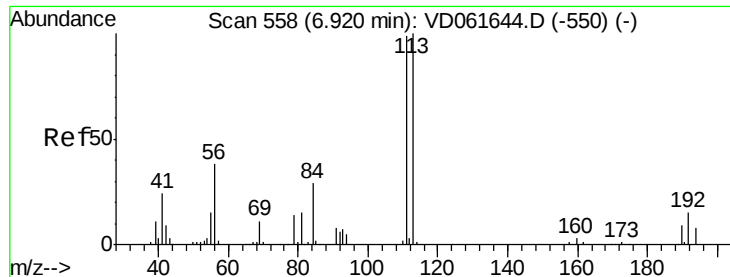


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061669.D

Acq: 9 Apr 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

SB-02-(13.5-14)

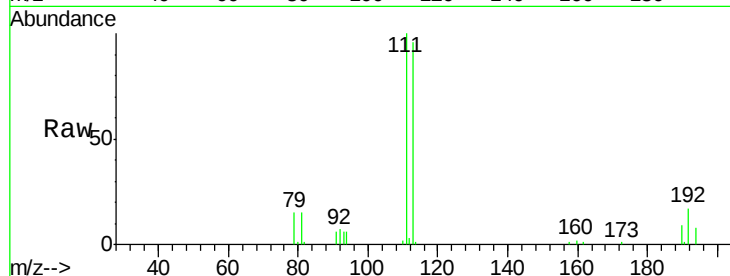
Tot Ion:113 Resp: 195411

Ion Ratio Lower Upper

113 100

111 104.1 79.3 118.9

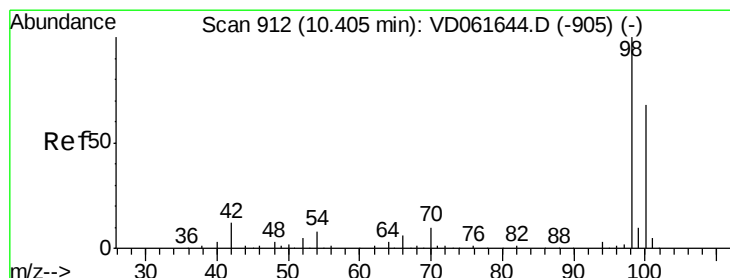
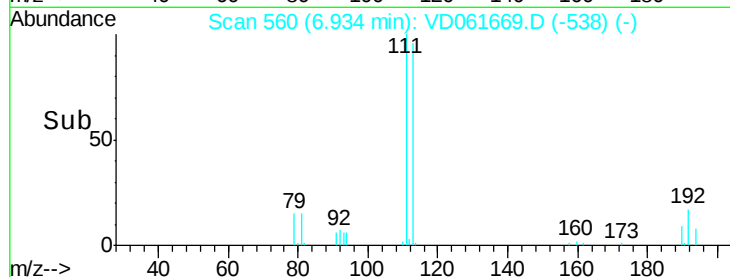
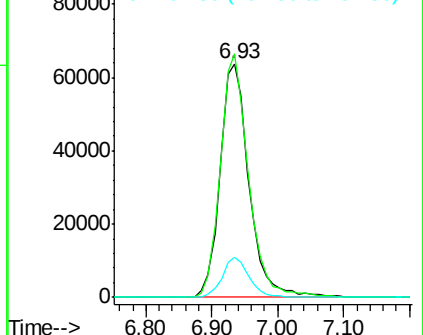
192 17.3 12.3 18.5



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: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061669.D

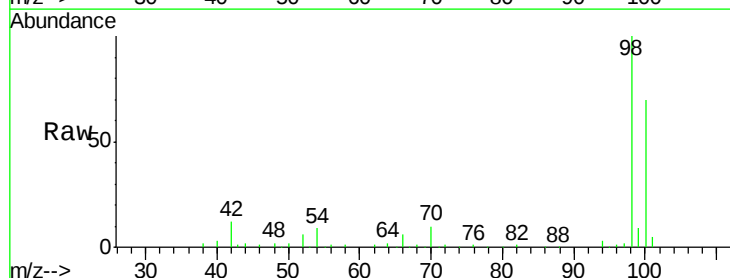
Acq: 9 Apr 2019 00:14

Tgt Ion: 98 Resp: 410951

Ion Ratio Lower Upper

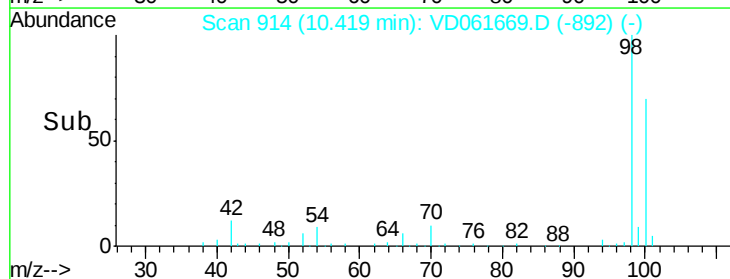
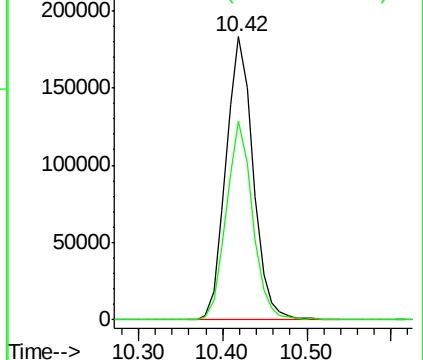
98 100

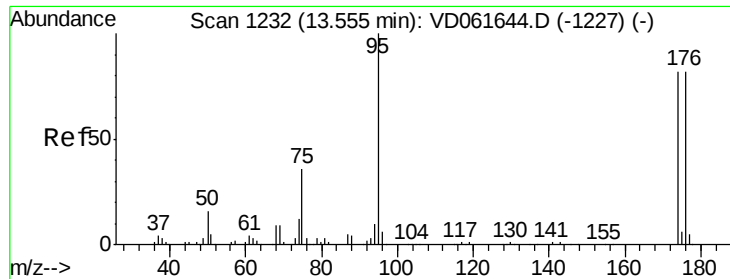
100 70.0 55.4 83.0



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061669.D

Acq: 9 Apr 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

SB-02-(13.5-14)

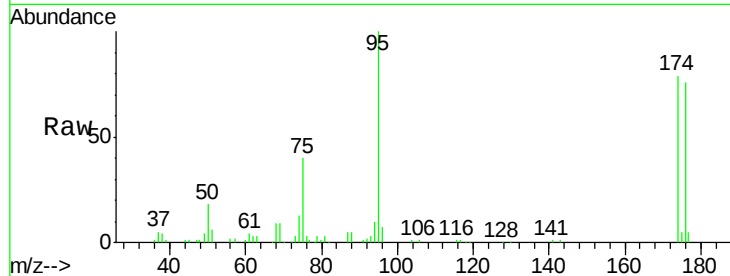
Tot Ion: 95 Resp: 167866

Ion Ratio Lower Upper

95 100

174 79.0 0.0 164.6

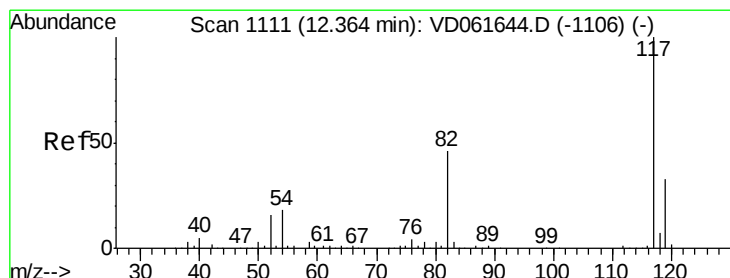
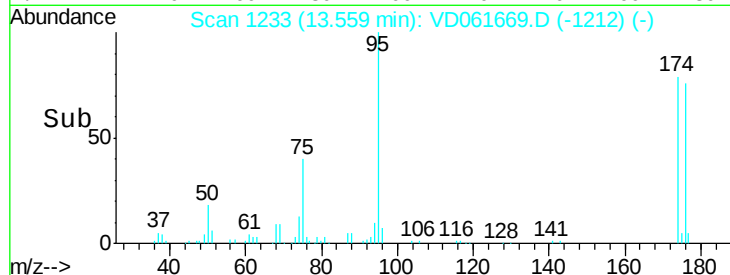
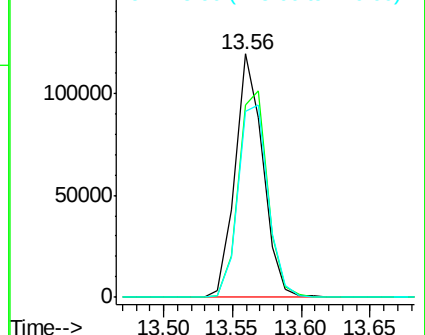
176 76.2 0.0 165.0



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: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD061669.D

Acq: 9 Apr 2019 00:14

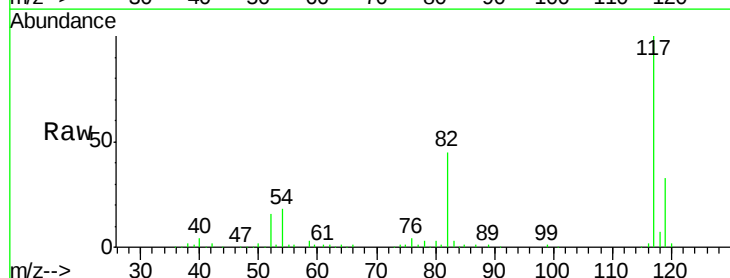
Tgt Ion: 117 Resp: 474352

Ion Ratio Lower Upper

117 100

82 45.5 36.8 55.2

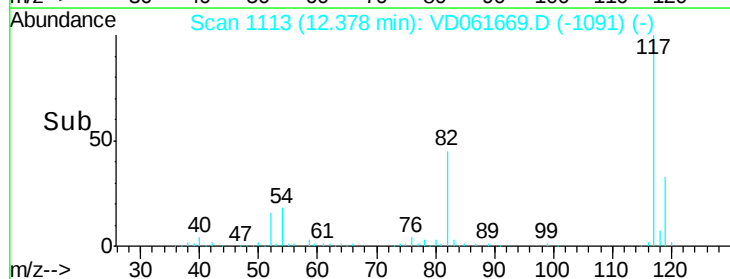
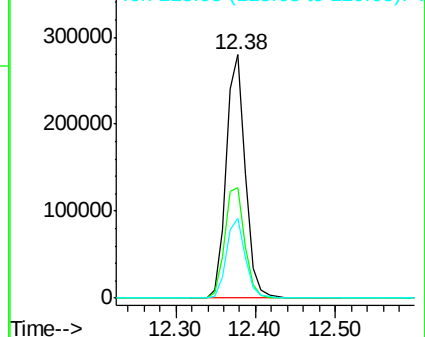
119 33.0 26.1 39.1

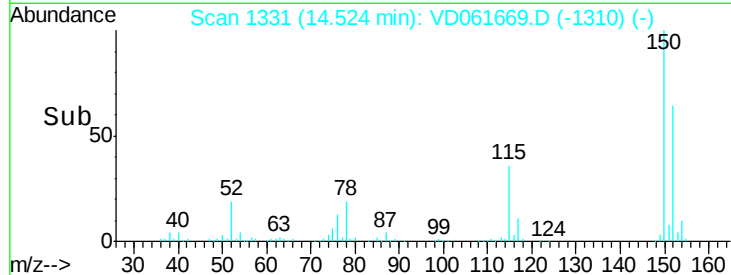
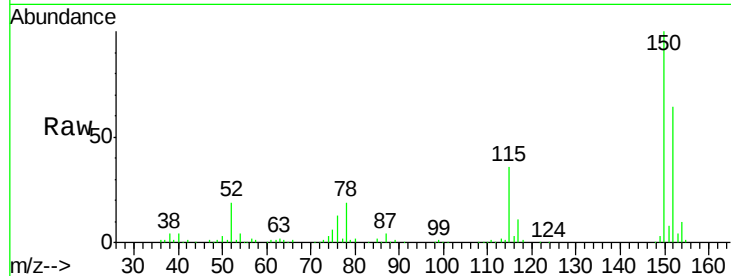
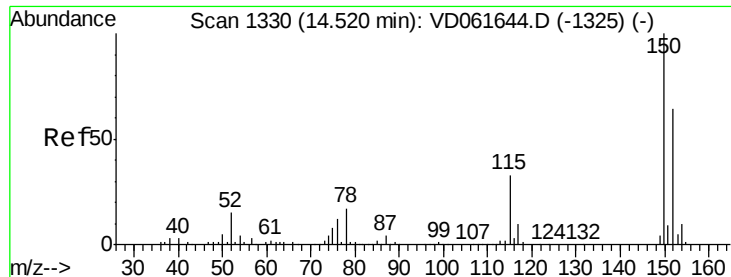


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.00 min

Lab File: VD061669.D

Acq: 9 Apr 2019 00:14

Instrument :
MSVOA_D
ClientSampleId :
SB-02-(13.5-14)

Tot Ion:152 Resp: 240669

Ion	Ratio	Lower	Upper
152	100		
115	56.9	26.4	79.2
150	155.9	0.0	320.6

