

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060663.D
 Acq On : 20 Dec 2018 17:29
 Operator : VA/AP
 Sample : J6481-01
 Misc : 5.06g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VB-1

Quant Time: Dec 21 11:58:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

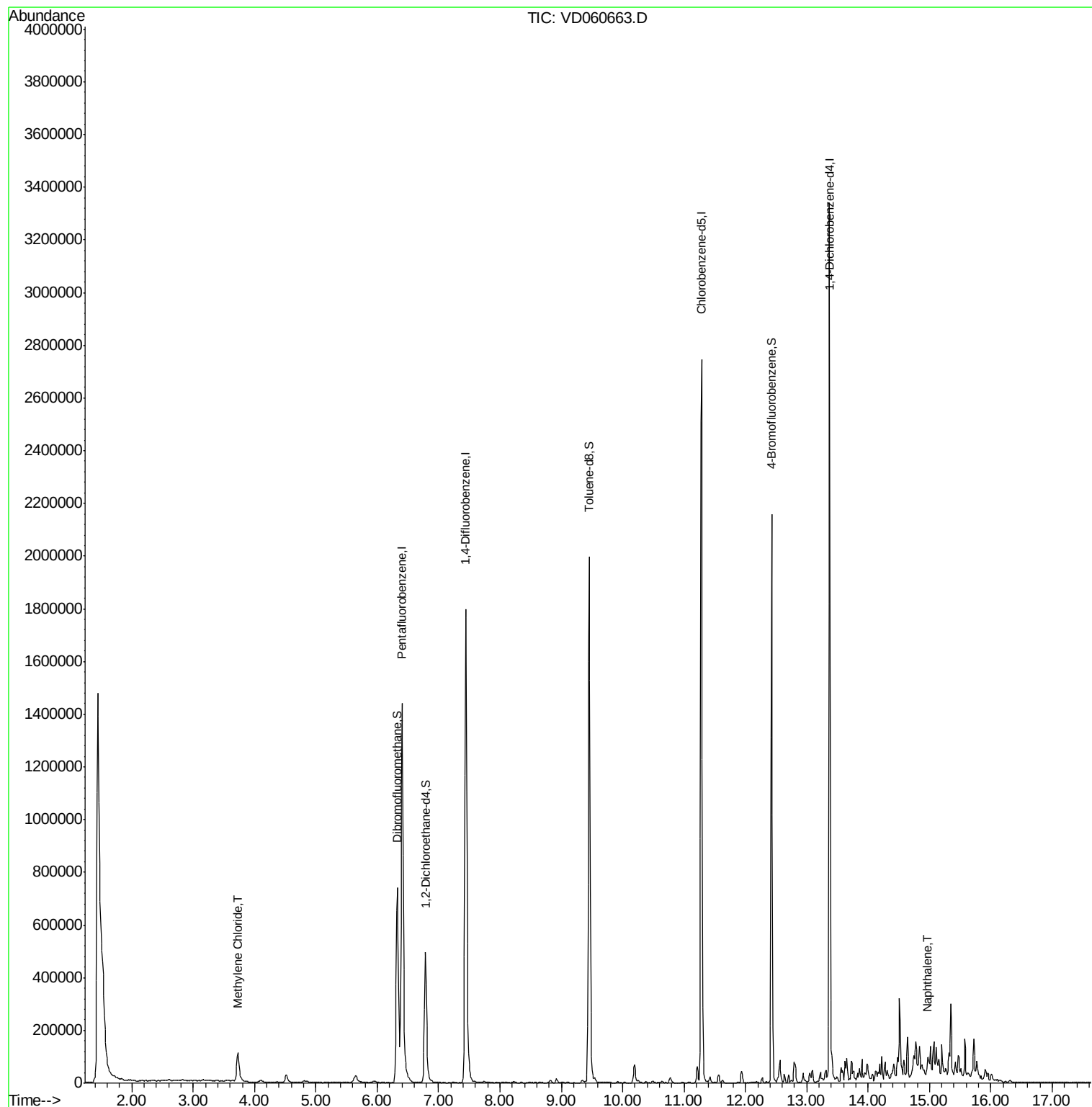
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1471620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1978040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1582681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	749418	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	418977	41.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.40%	
35) Dibromofluoromethane	6.33	113	592359	40.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.84%	
50) Toluene-d8	9.45	98	1609876	37.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.54%	
62) 4-Bromofluorobenzene	12.43	95	588817	38.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.84%	
Target Compounds						
20) Methylene Chloride	3.73	84	74042	4.014	ug/l	97
95) Naphthalene	14.97	128	36066	1.838	ug/l	99

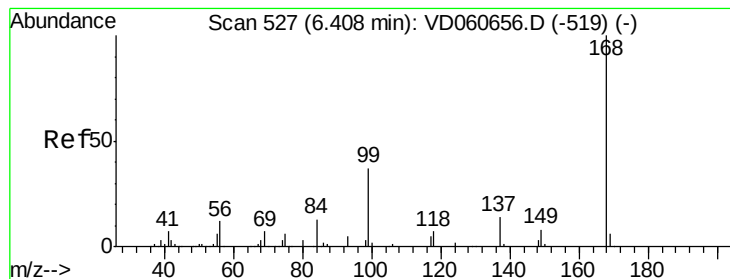
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 21 03:34:39 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 526

Delta R.T. -0.00 min

Lab File: VD060663.D

Acq: 20 Dec 2018 17:29

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MSVOA_D

ClientSampleId :

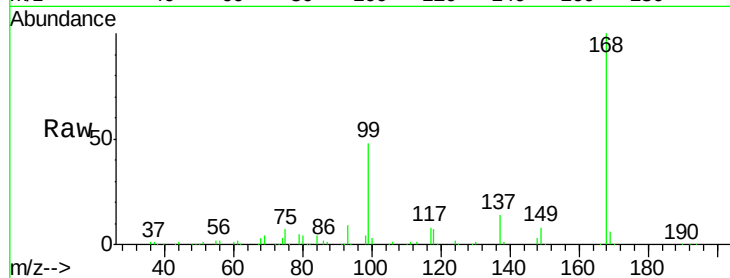
VB-1

Tgt Ion:168 Resp: 1471620

Ion Ratio Lower Upper

168 100

99 47.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

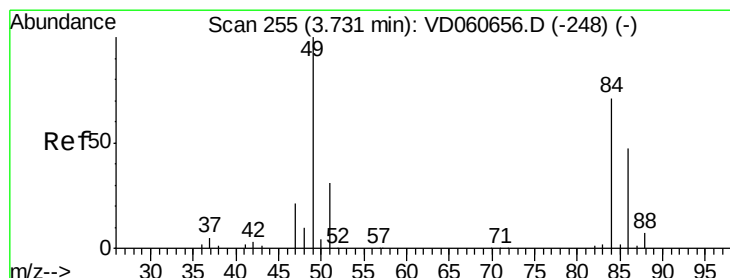
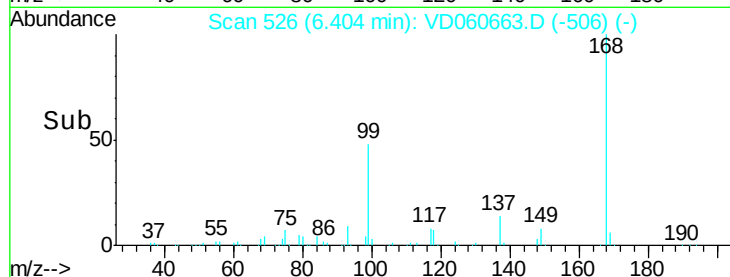
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 4.014 ug/l

RT: 3.73 min Scan# 254

Delta R.T. -0.00 min

Lab File: VD060663.D

Acq: 20 Dec 2018 17:29

Tgt Ion: 84 Resp: 74042

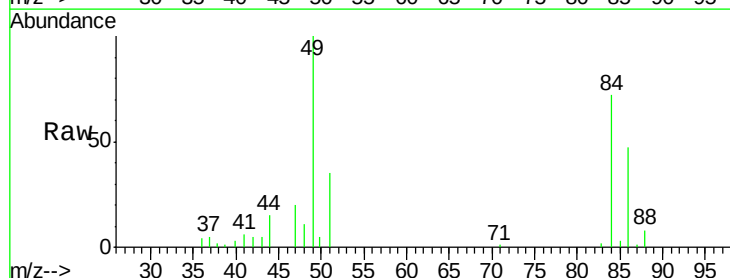
Ion Ratio Lower Upper

84 100

49 138.8 113.6 170.4

51 49.0 34.7 52.1

86 65.6 52.8 79.2



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

3.73

50000

40000

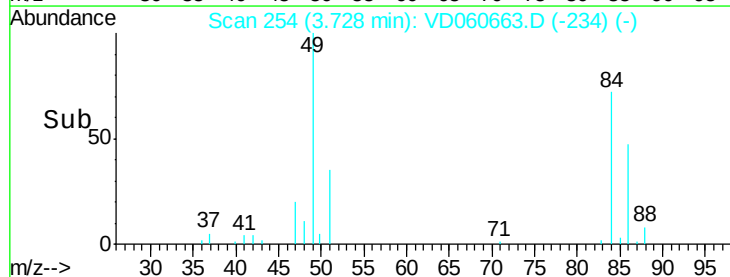
30000

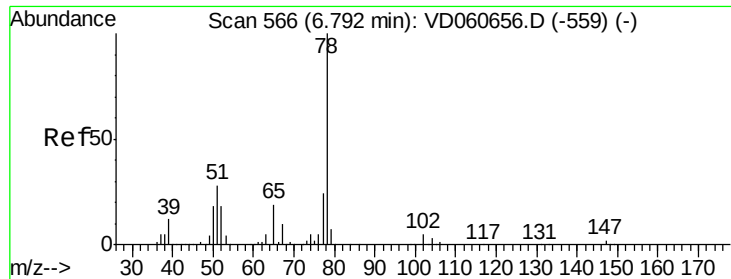
20000

10000

0

Time-->

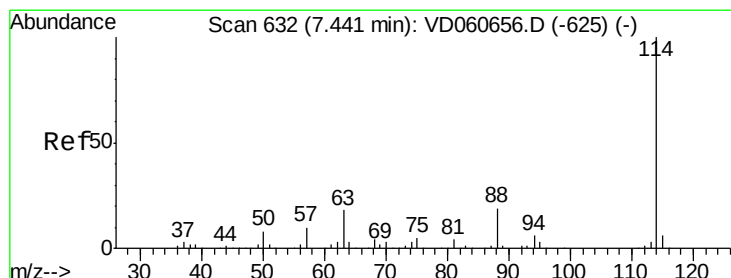
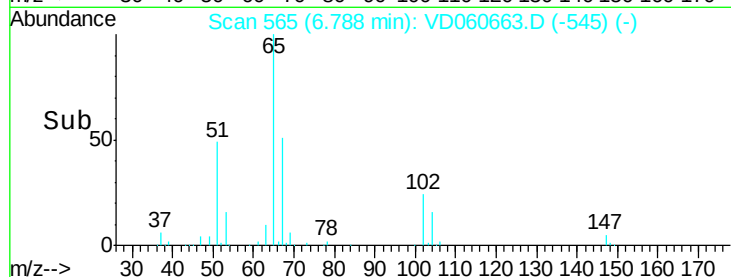
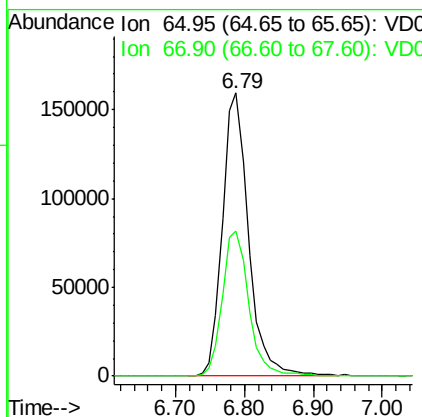
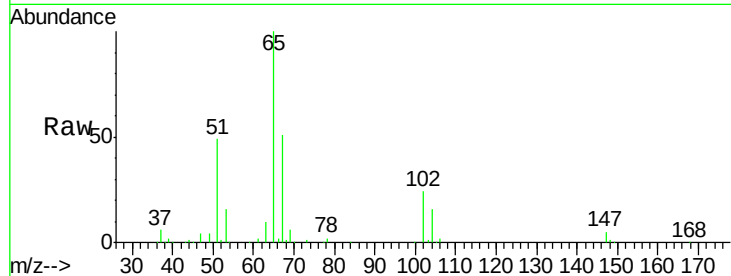




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VD060663.D
 Acq: 20 Dec 2018 17:29

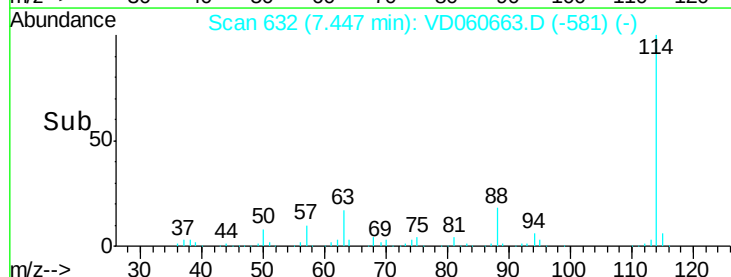
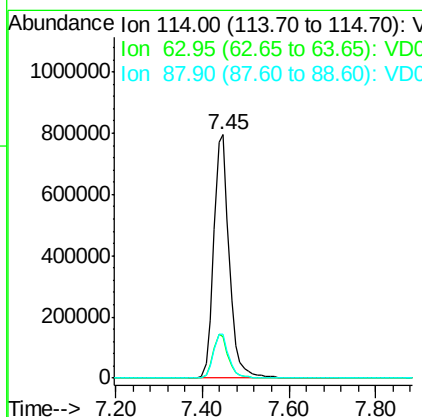
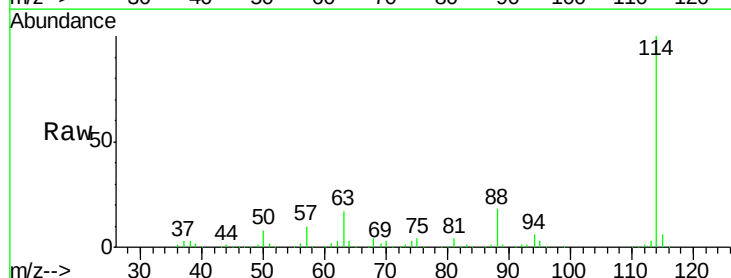
Instrument :
 MSVOA_D
 ClientSampled :
 VB-1

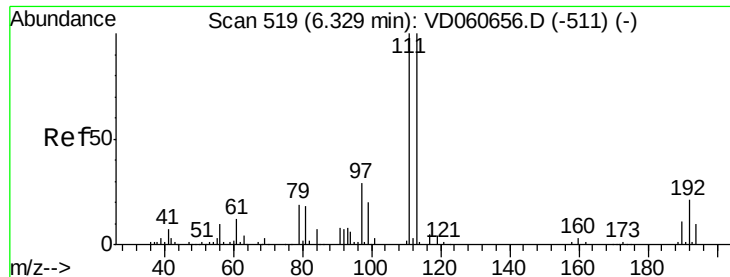
Tgt Ion: 65 Resp: 418977
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VD060663.D
 Acq: 20 Dec 2018 17:29

Tgt Ion: 114 Resp: 1978040
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.2
 88 18.0 0.0 37.0

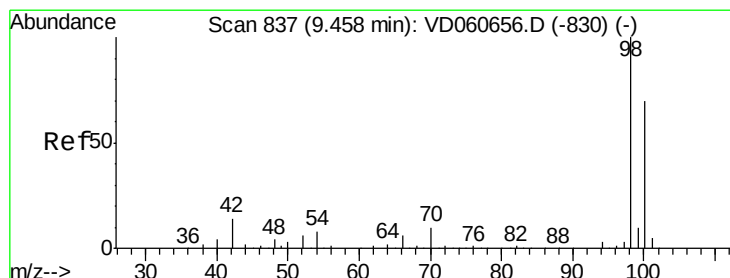
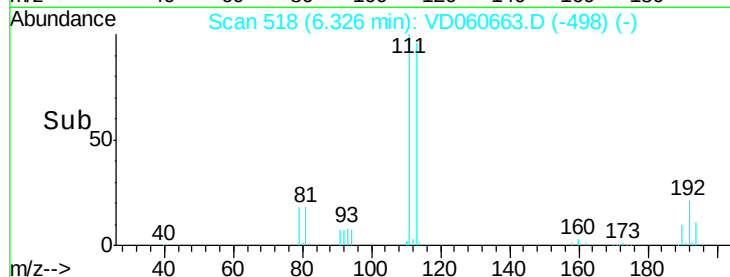
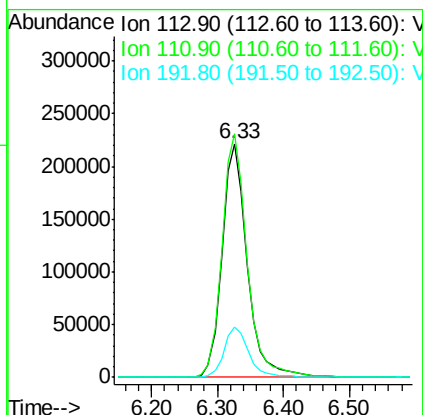
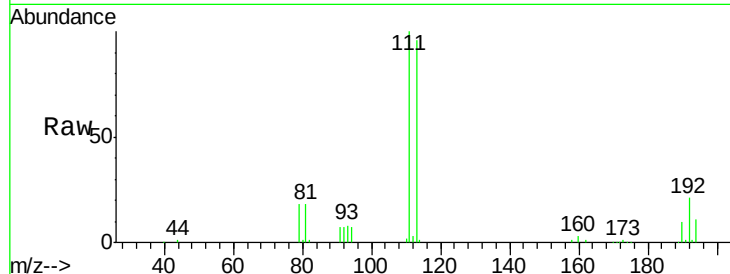




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VD060663.D
 Acq: 20 Dec 2018 17:29

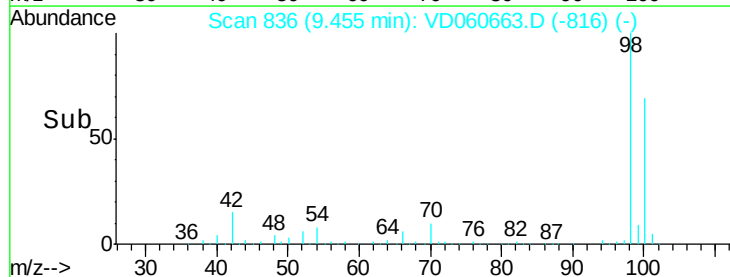
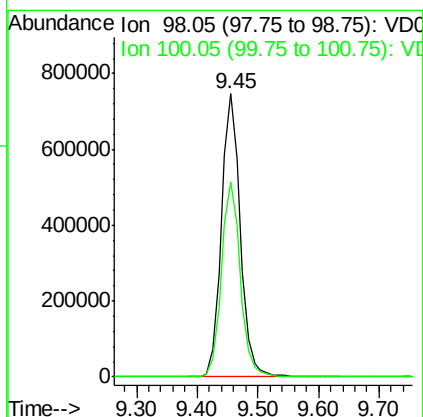
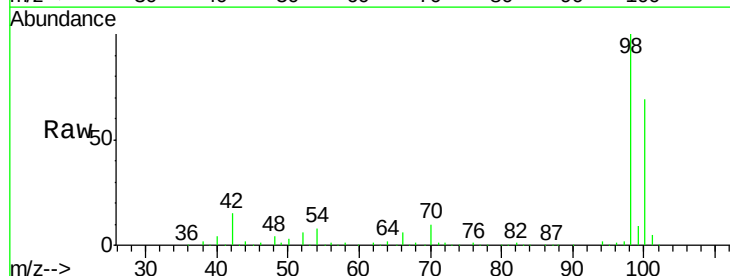
Instrument :
 MSVOA_D
 ClientSampleId :
 VB-1

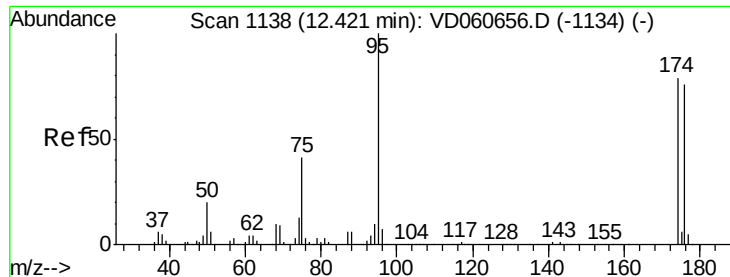
Tgt Ion: 113 Resp: 592359
 Ion Ratio Lower Upper
 113 100
 111 104.3 80.0 120.0
 192 21.7 16.6 25.0



#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 9.45 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: VD060663.D
 Acq: 20 Dec 2018 17:29

Tgt Ion: 98 Resp: 1609876
 Ion Ratio Lower Upper
 98 100
 100 68.8 55.8 83.8





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.43 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060663.D

Acq: 20 Dec 2018 17:29

Instrument :

MSVOA_D

ClientSampleId :

VB-1

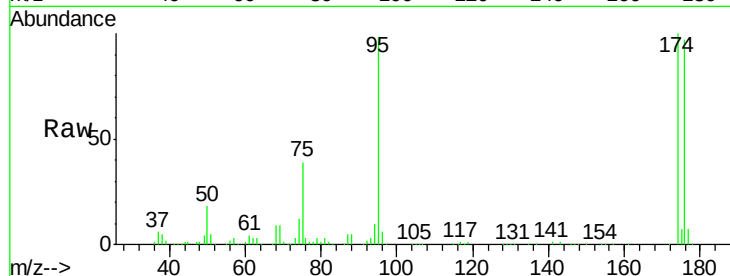
Tgt Ion: 95 Resp: 588817

Ion Ratio Lower Upper

95 100

174 101.7 0.0 158.2

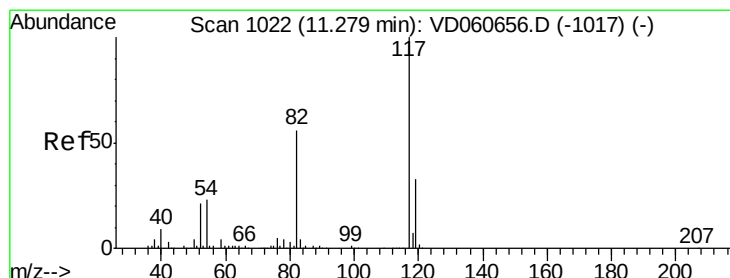
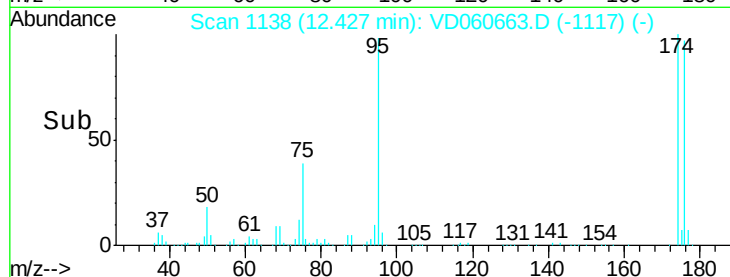
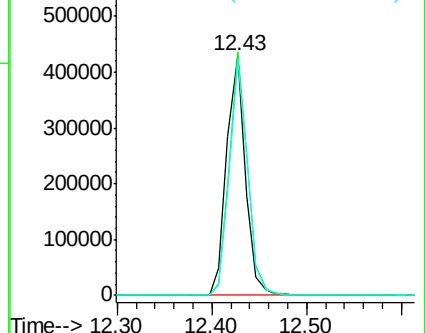
176 98.4 0.0 152.4



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: 11.29 min Scan# 1022

Delta R.T. 0.01 min

Lab File: VD060663.D

Acq: 20 Dec 2018 17:29

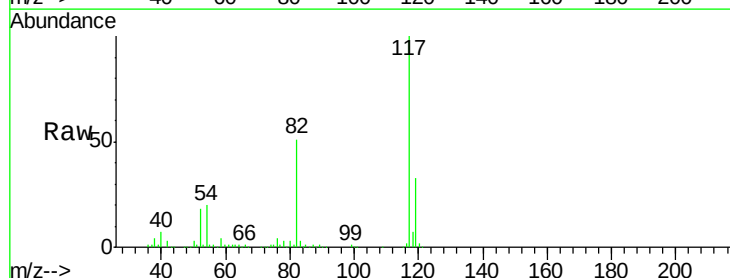
Tgt Ion: 117 Resp: 1582681

Ion Ratio Lower Upper

117 100

82 51.2 44.5 66.7

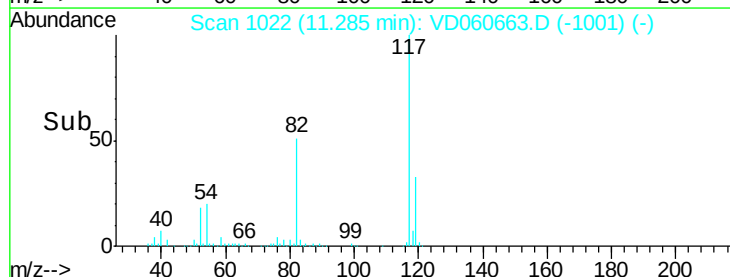
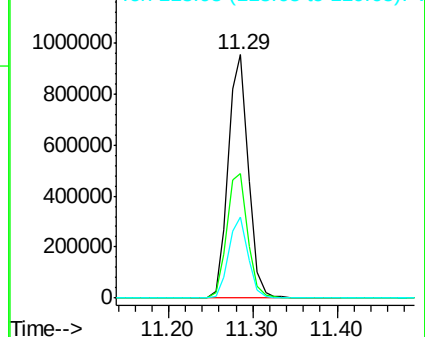
119 33.2 26.3 39.5

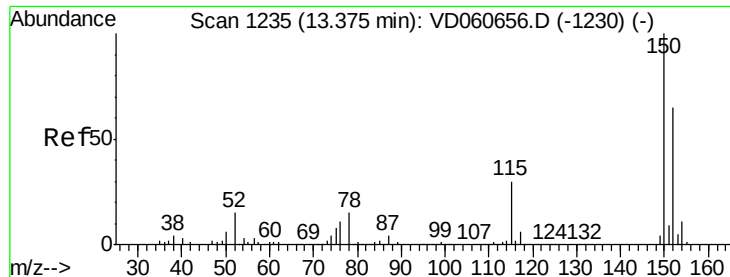


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.37 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VD060663.D

Acq: 20 Dec 2018 17:29

Instrument :

MSVOA_D

ClientSampleId :

VB-1

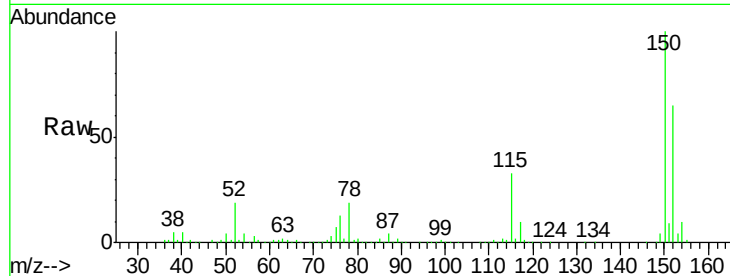
Tgt Ion:152 Resp: 749418

Ion Ratio Lower Upper

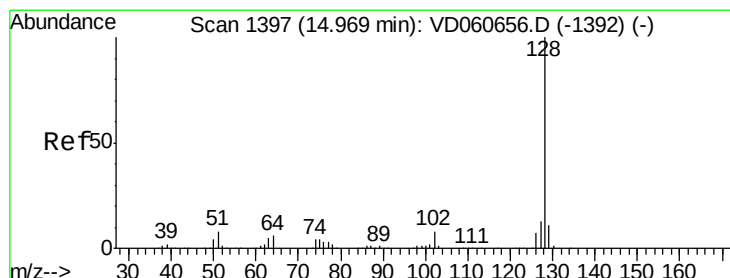
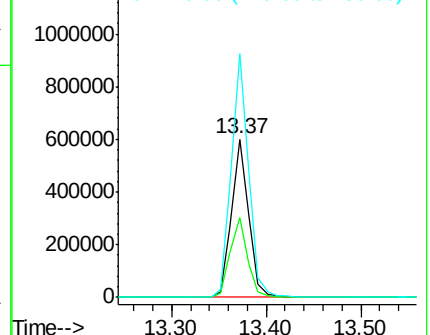
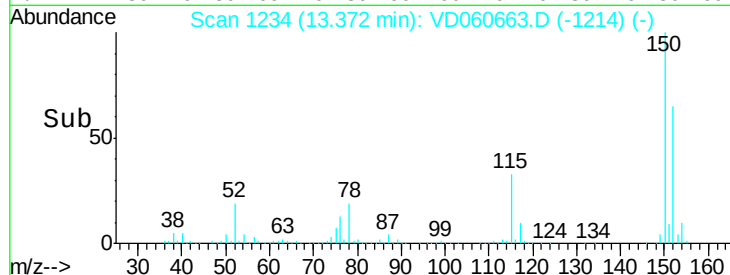
152 100

115 50.6 24.1 72.3

150 153.9 0.0 315.0



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



#95

Naphthalene

Concen: 1.838 ug/l

RT: 14.97 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VD060663.D

Acq: 20 Dec 2018 17:29

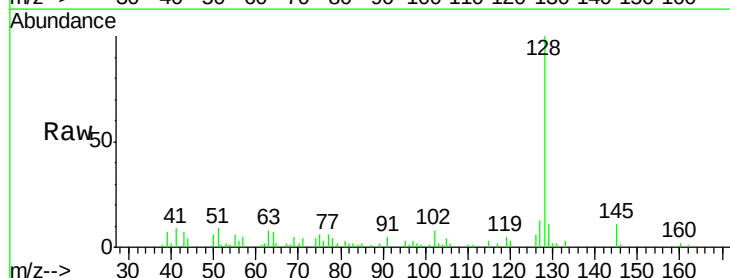
Tgt Ion:128 Resp: 36066

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

