

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062837.D
 Acq On : 24 Jun 2019 13:48
 Operator : VA/AP
 Sample : K2459-02
 Misc : 5.16g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-002

Quant Time: Jun 25 05:23:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

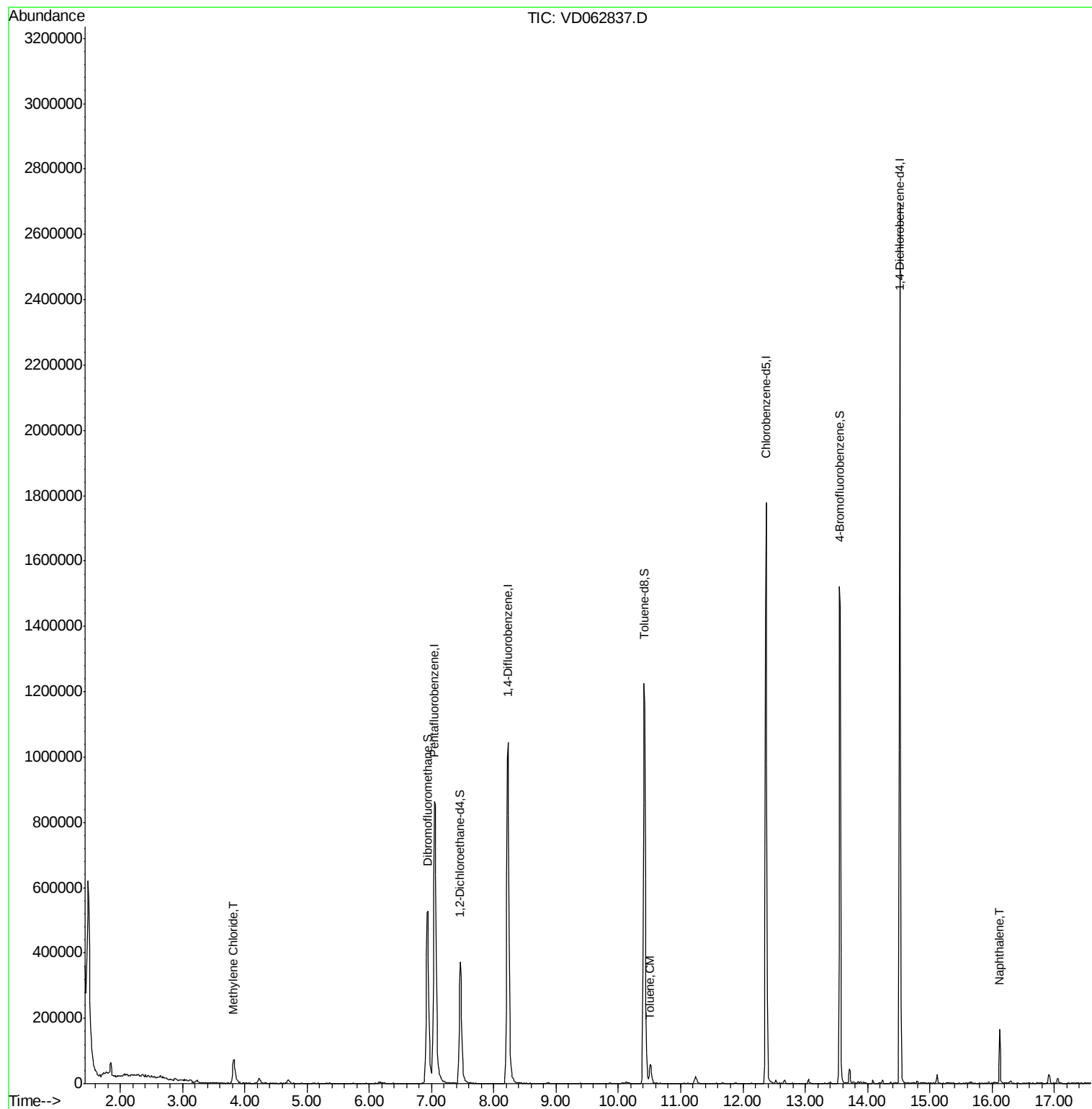
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	844881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1176695	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	983154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	553192	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	427150	46.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.02%	
35) Dibromofluoromethane	6.94	113	467409	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
50) Toluene-d8	10.41	98	1008992	46.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.44%	
62) 4-Bromofluorobenzene	13.55	95	461389	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	
Target Compounds						
20) Methylene Chloride	3.83	84	47407	6.769	ug/l	92
52) Toluene	10.51	92	26879	1.788	ug/l #	72
95) Naphthalene	16.12	128	98038	6.120	ug/l	98

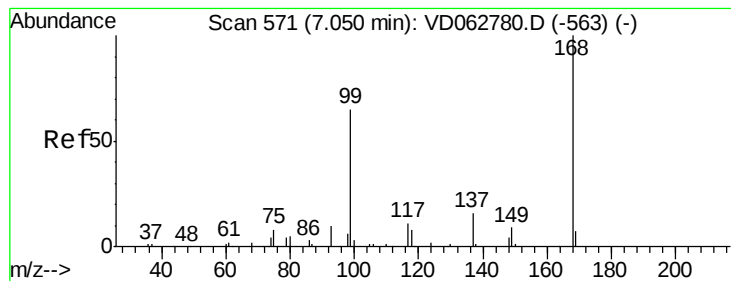
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

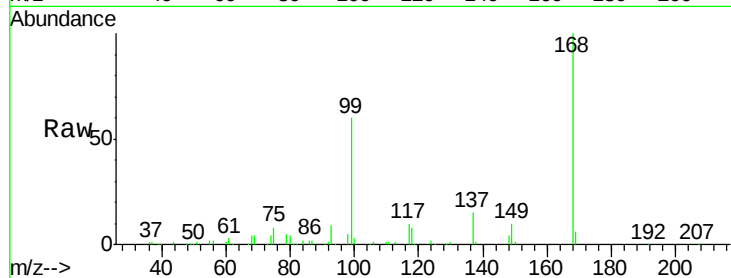
FK-BPM-04-002

Tot Ion:168 Resp: 844881

Ion Ratio Lower Upper

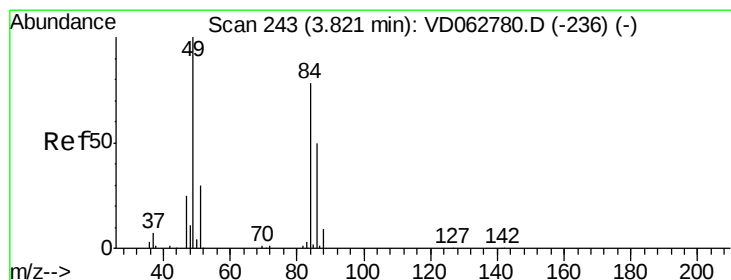
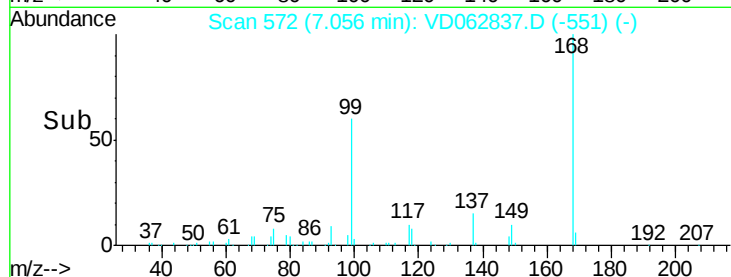
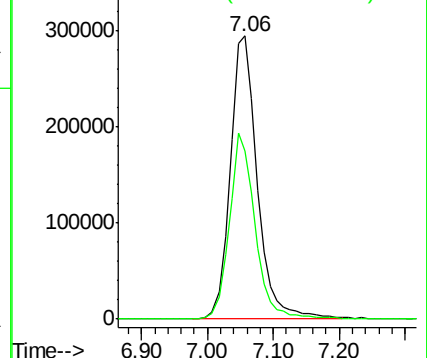
168 100

99 59.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 6.769 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Tgt Ion: 84 Resp: 47407

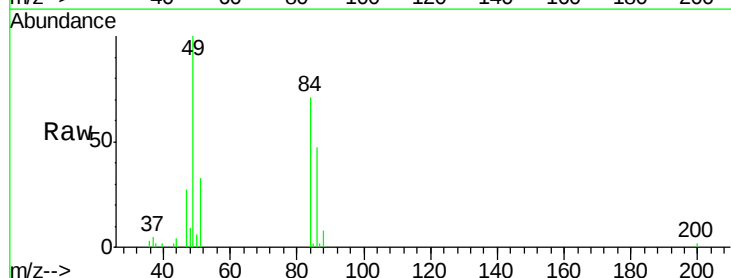
Ion Ratio Lower Upper

84 100

49 140.6 102.9 154.3

51 46.3 31.2 46.8

86 66.2 51.4 77.2

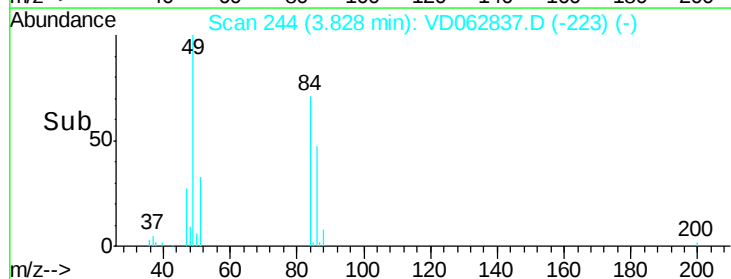
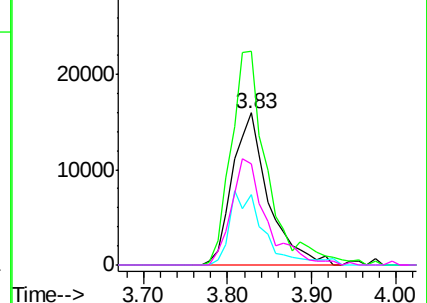


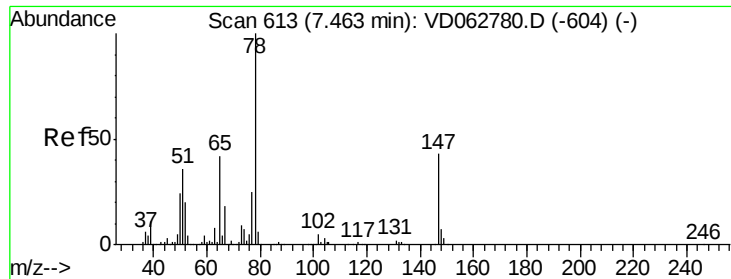
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: 46.512 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

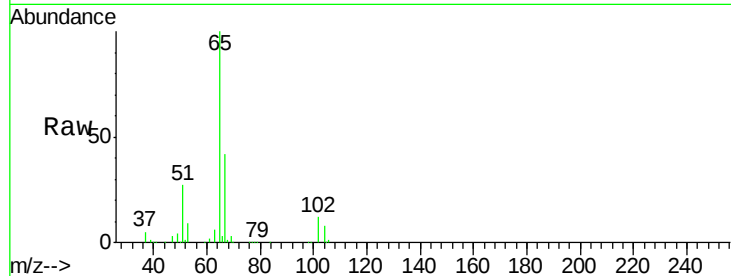
FK-BPM-04-002

Tot Ion: 65 Resp: 427150

Ion Ratio Lower Upper

65 100

67 41.8 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

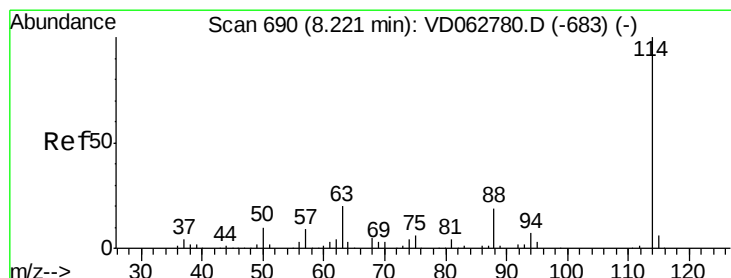
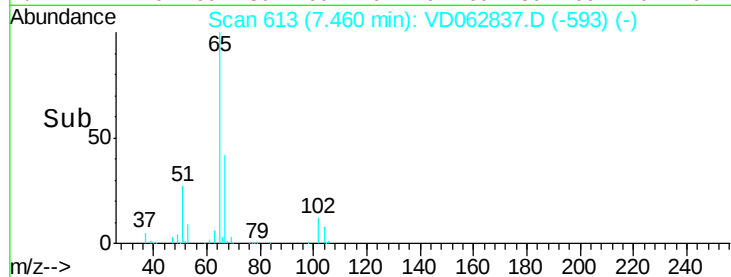
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

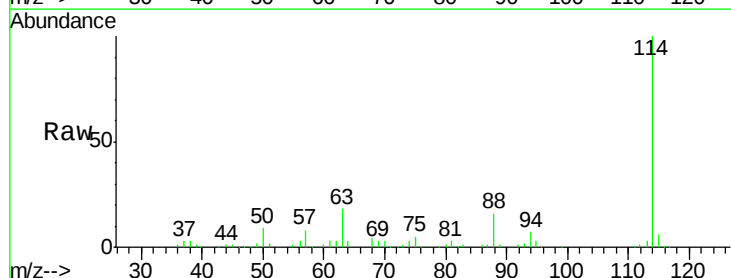
Tgt Ion: 114 Resp: 1176695

Ion Ratio Lower Upper

114 100

63 18.1 0.0 40.0

88 16.5 0.0 38.8



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

8.23

600000

500000

400000

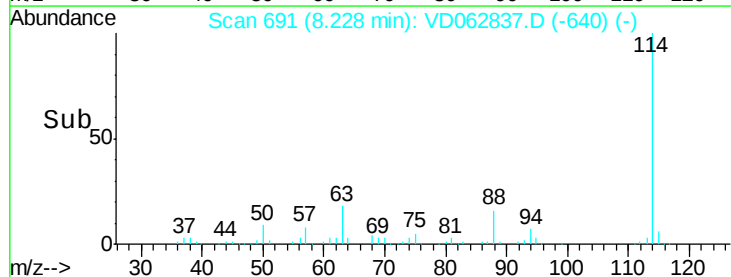
300000

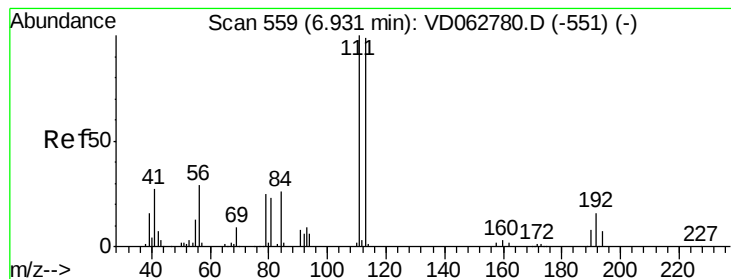
200000

100000

0

Time--> 8.00 8.20 8.40 8.60





#35

Dibromofluoromethane

Concen: 47.109 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002

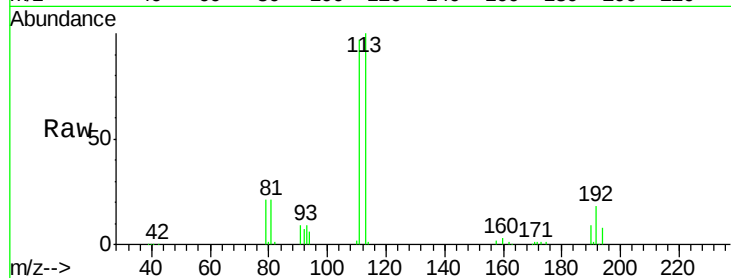
Tot Ion:113 Resp: 467409

Ion Ratio Lower Upper

113 100

111 97.1 81.2 121.8

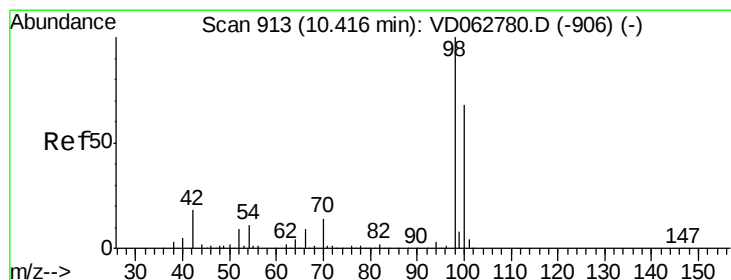
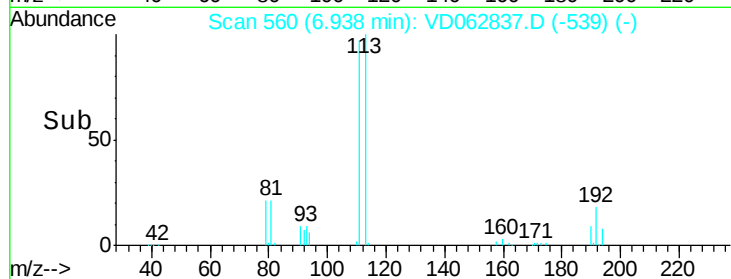
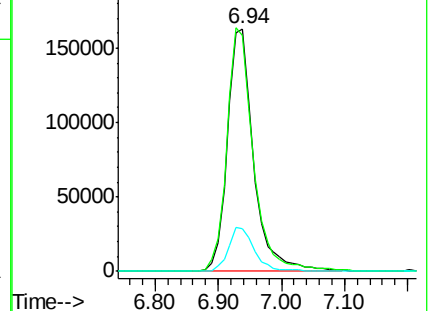
192 17.8 12.9 19.3



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: 46.725 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062837.D

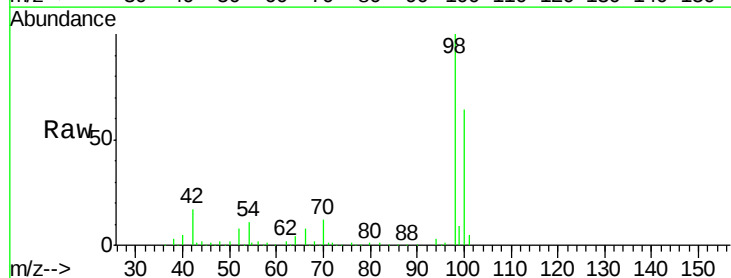
Acq: 24 Jun 2019 13:48

Tgt Ion: 98 Resp: 1008992

Ion Ratio Lower Upper

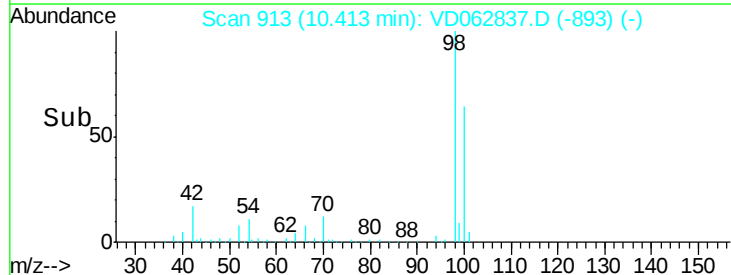
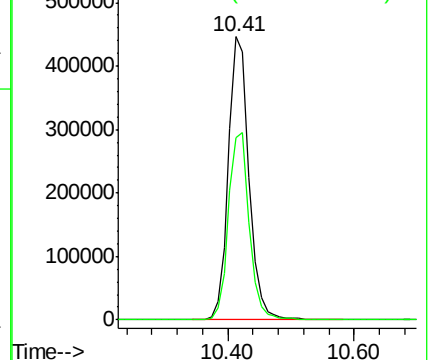
98 100

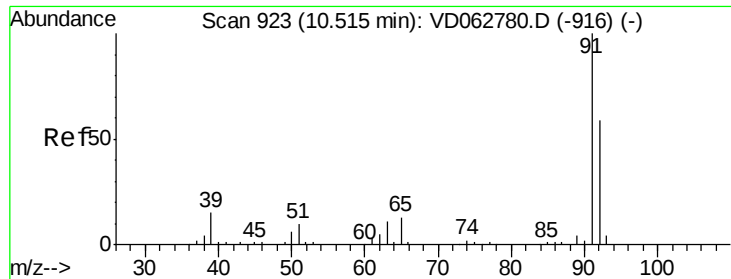
100 64.4 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 1.788 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

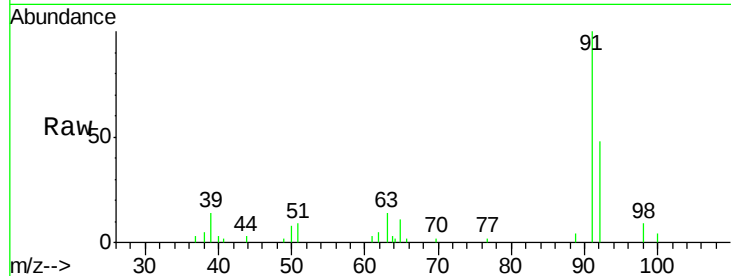
FK-BPM-04-002

Tot Ion: 92 Resp: 26879

Ion Ratio Lower Upper

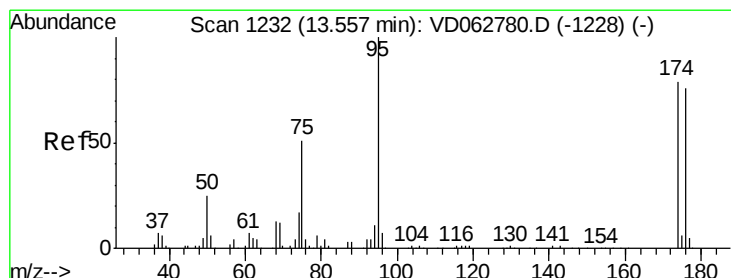
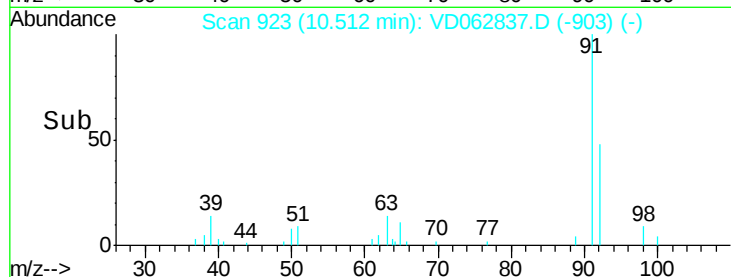
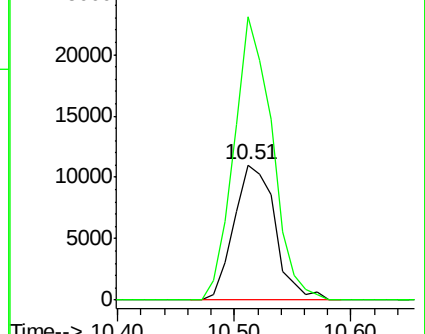
92 100

91 209.3 136.3 204.5#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.989 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

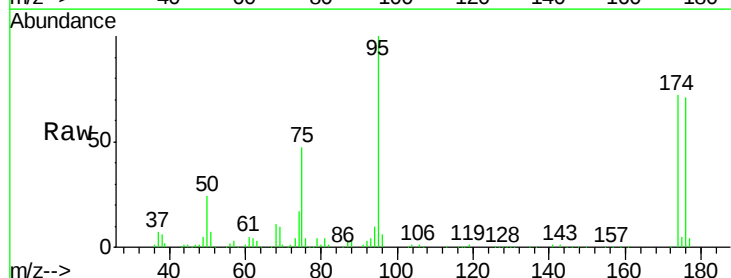
Tgt Ion: 95 Resp: 461389

Ion Ratio Lower Upper

95 100

174 72.2 0.0 158.0

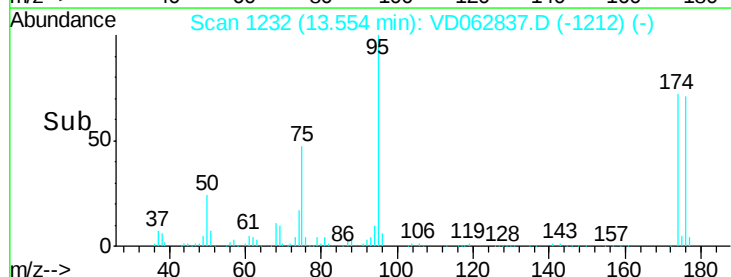
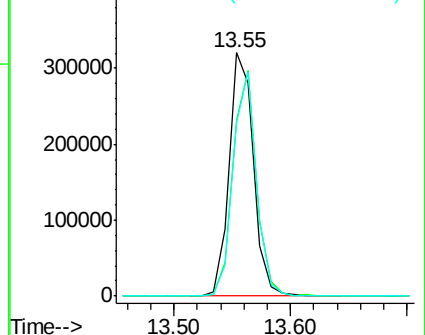
176 71.0 0.0 151.6

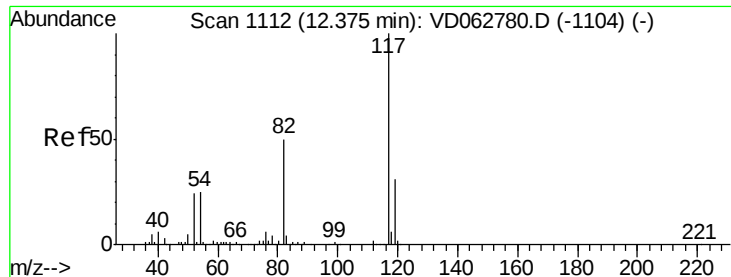


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

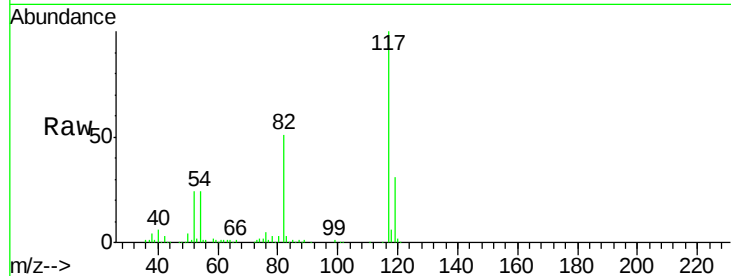




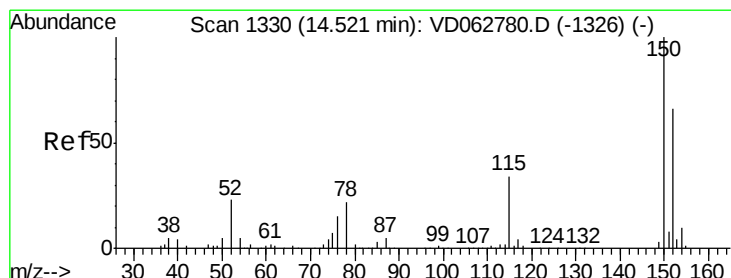
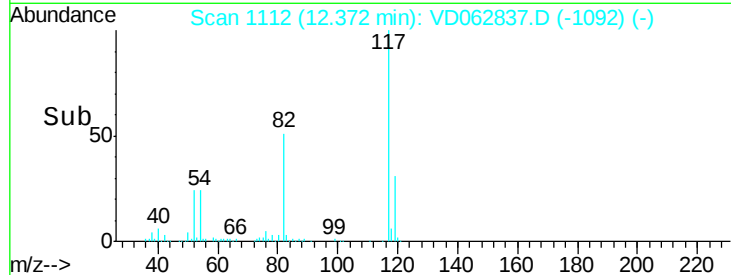
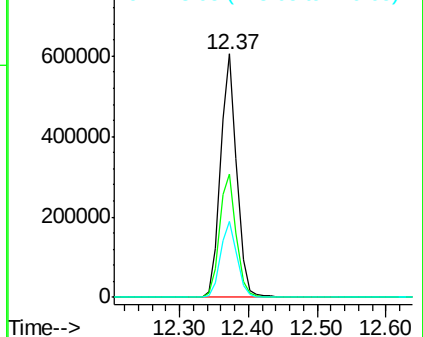
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062837.D
Acq: 24 Jun 2019 13:48

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-002

Tot Ion:117 Resp: 983154
Ion Ratio Lower Upper
117 100
82 50.6 40.4 60.6
119 31.0 25.2 37.8

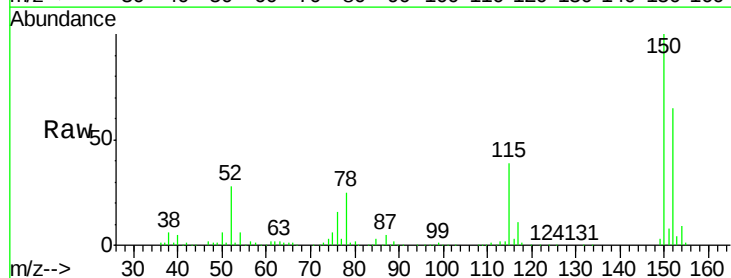


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

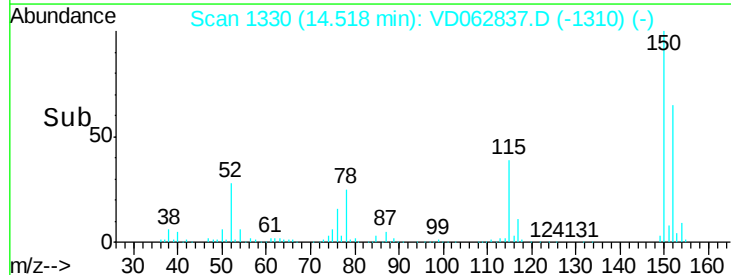
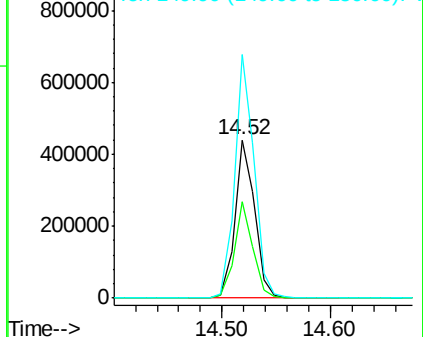


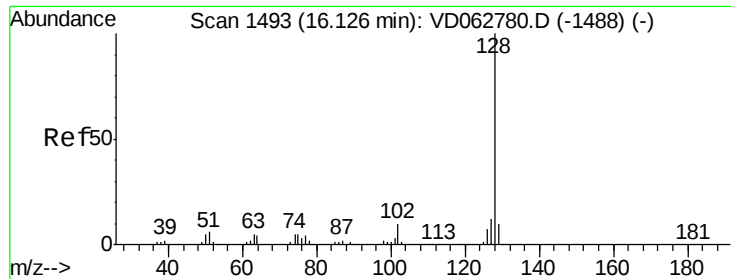
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062837.D
Acq: 24 Jun 2019 13:48

Tgt Ion:152 Resp: 553192
Ion Ratio Lower Upper
152 100
115 60.7 29.2 87.6
150 154.0 0.0 305.8



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: 6.120 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062837.D

Acq: 24 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002

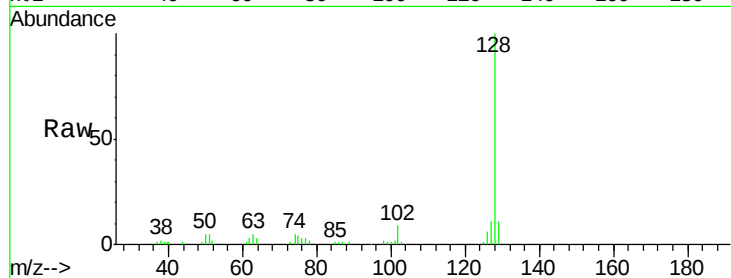
Tot Ion:128 Resp: 98038

Ion Ratio Lower Upper

128 100

127 11.3 9.7 14.5

129 10.7 8.3 12.5



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

