

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061270.D
 Acq On : 22 Mar 2019 19:32
 Operator : VA/AP
 Sample : K2004-12RE
 Misc : 5.61g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-23(4-5)RE

Quant Time: Mar 23 00:50:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

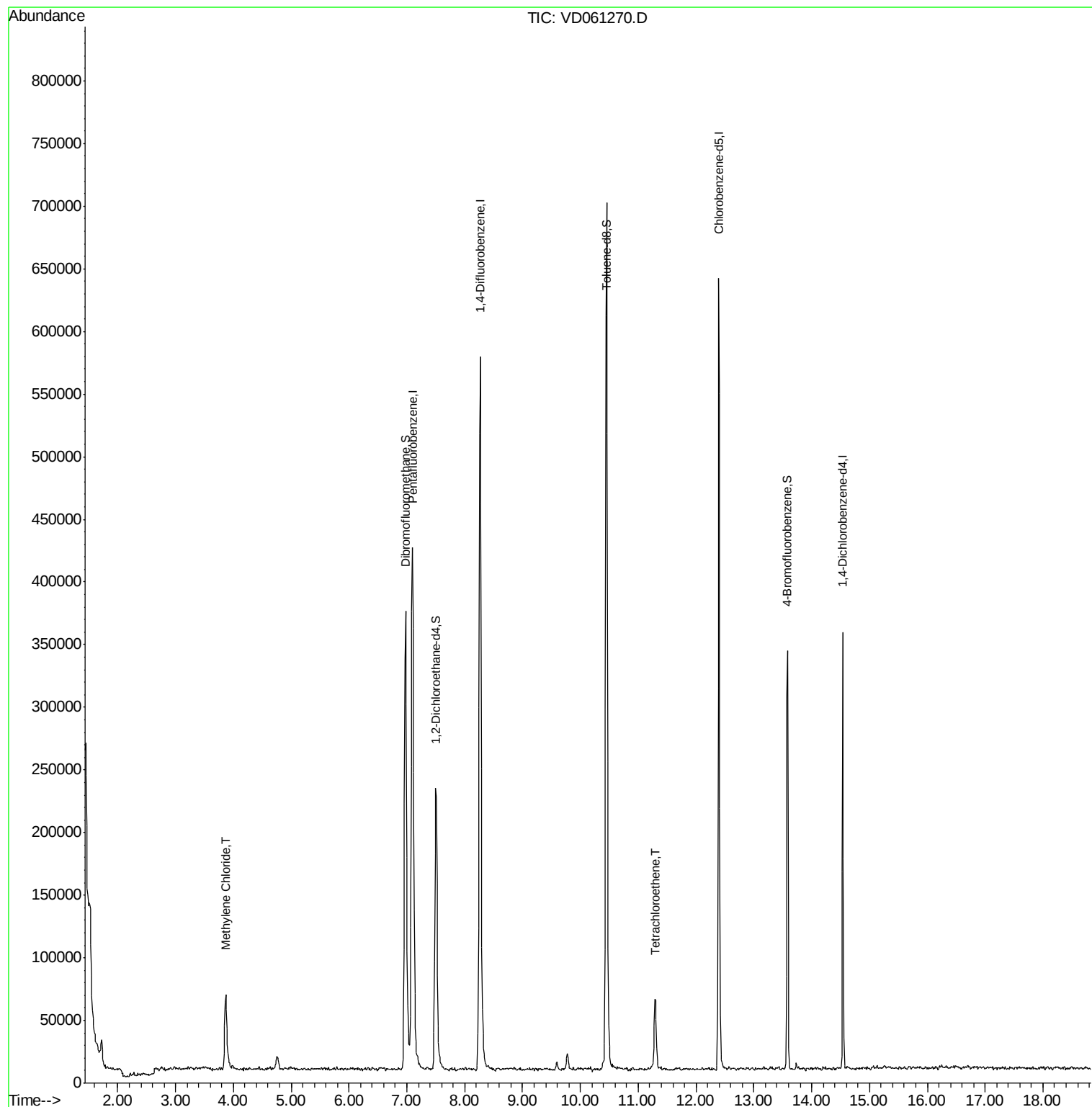
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	439435	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.27	114	710705	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.39	117	402564	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.54	152	80812	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.50	65	223712	61.16	ug/l	0.05
Spiked Amount 50.000			Recovery	=	122.32%	
35) Dibromofluoromethane	6.98	113	343497	65.13	ug/l	0.05
Spiked Amount 50.000			Recovery	=	130.26%	
50) Toluene-d8	10.45	98	602231	45.47	ug/l	0.05
Spiked Amount 50.000			Recovery	=	90.94%	
62) 4-Bromofluorobenzene	13.57	95	111023	21.60	ug/l	0.02
Spiked Amount 50.000			Recovery	=	43.20%	
Target Compounds						
20) Methylene Chloride	3.87	84	48814	6.145	ug/l	97
64) Tetrachloroethene	11.30	164	18192	6.694	ug/l	87

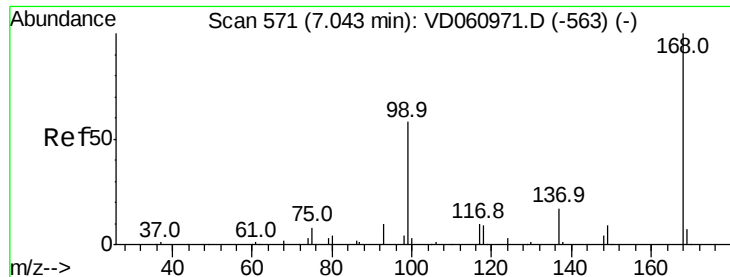
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.10 min Scan# 576

Delta R.T. 0.05 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

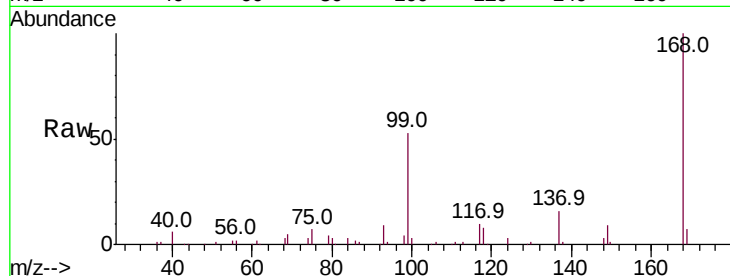
SB-23(4-5)RE

Tot Ion:168 Resp: 439435

Ion Ratio Lower Upper

168 100

99 53.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.10

150000

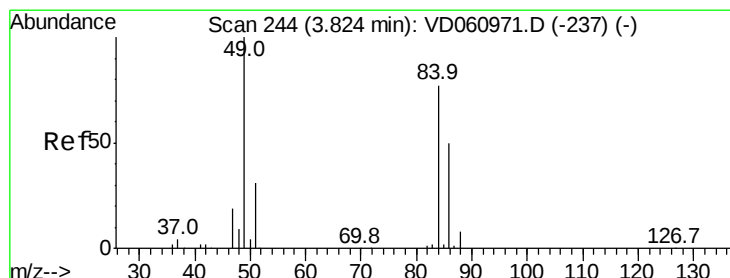
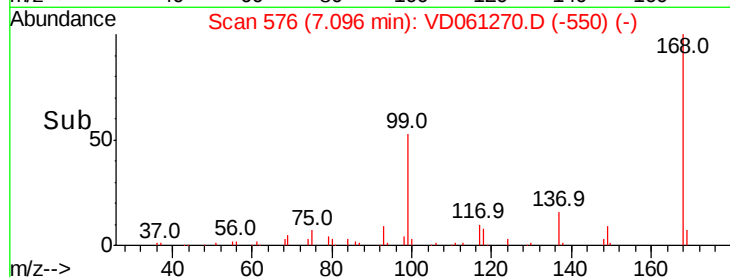
100000

50000

0

Time-->

7.00 7.10 7.20



#20

Methylene Chloride

Concen: 6.145 ug/l

RT: 3.87 min Scan# 248

Delta R.T. 0.04 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

Tgt Ion: 84 Resp: 48814

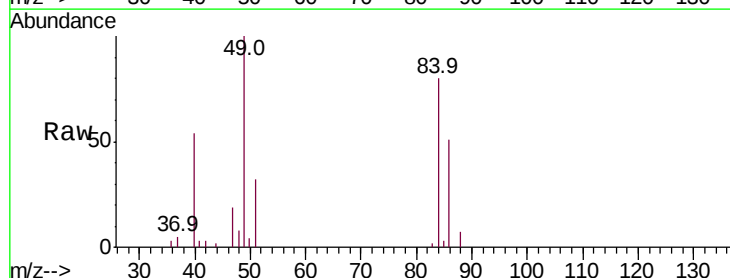
Ion Ratio Lower Upper

84 100

49 125.4 104.2 156.2

51 40.2 32.3 48.5

86 63.6 52.3 78.5



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

30000

25000

20000

15000

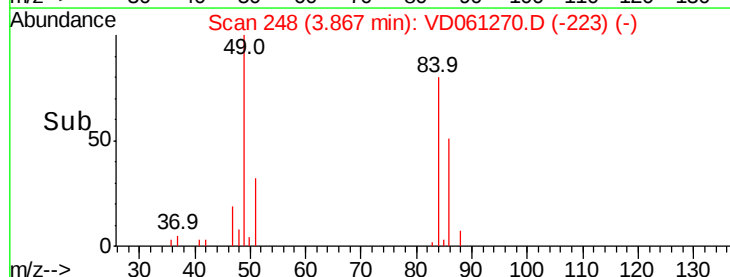
10000

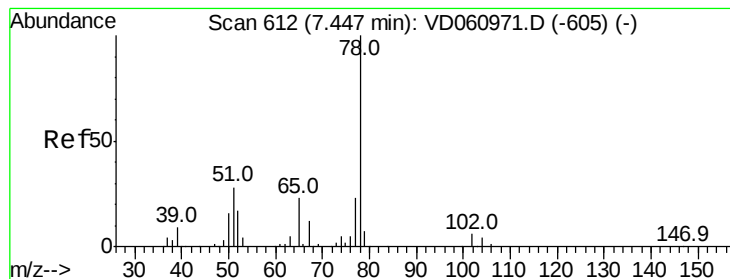
5000

0

Time-->

3.80 3.90 4.00





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.50 min Scan# 617

Delta R.T. 0.05 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

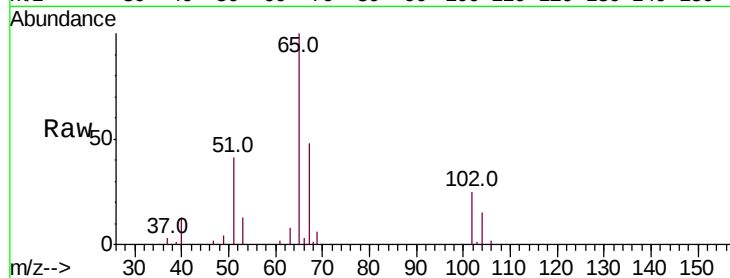
SB-23(4-5)RE

Tot Ion: 65 Resp: 223712

Ion Ratio Lower Upper

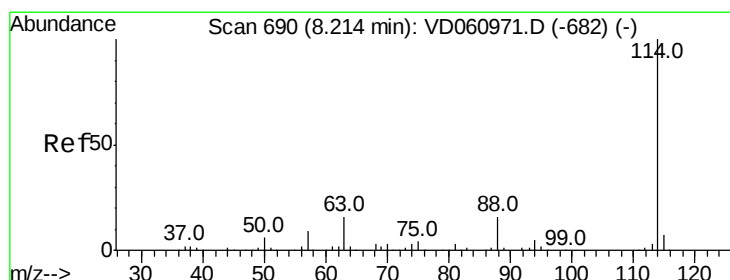
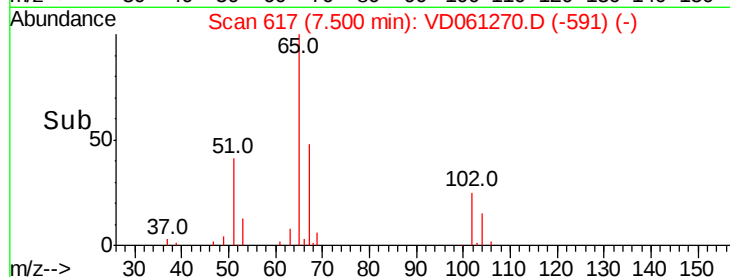
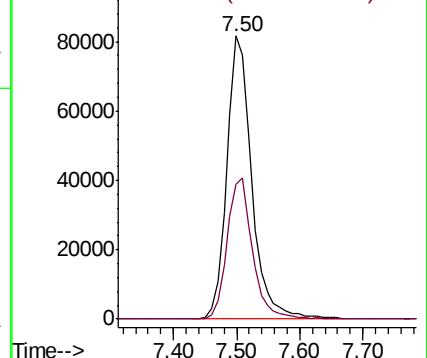
65 100

67 47.9 0.0 105.2



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: 8.27 min Scan# 695

Delta R.T. 0.05 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

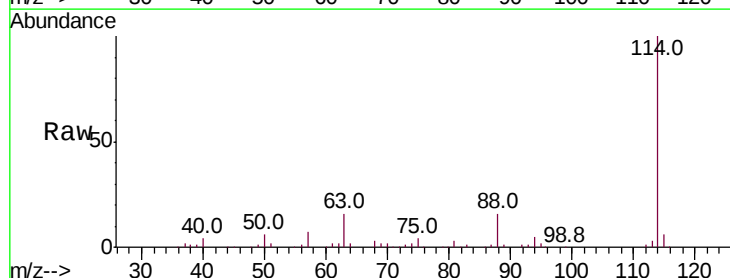
Tgt Ion: 114 Resp: 710705

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.4

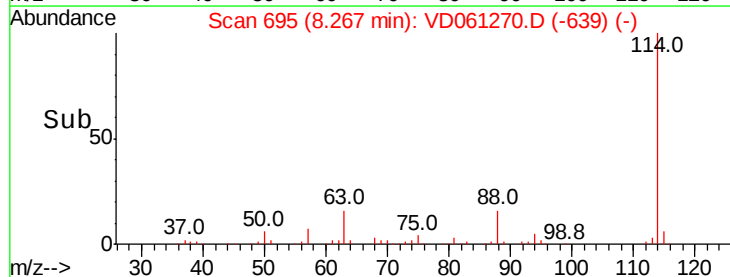
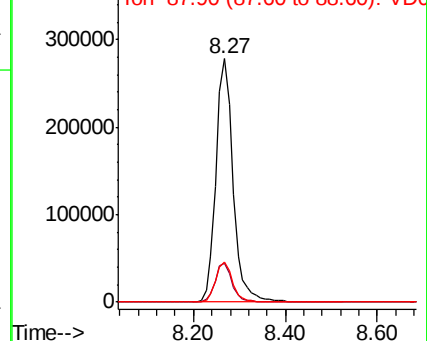
88 16.4 0.0 33.0

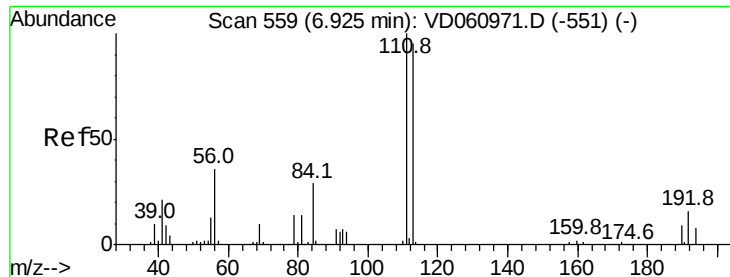


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 6.98 min Scan# 564

Delta R.T. 0.05 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

SB-23(4-5)RE

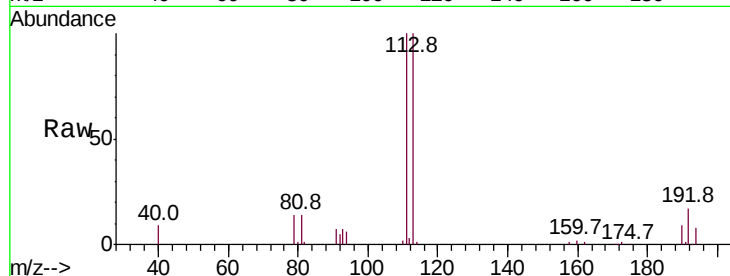
Tot Ion:113 Resp: 343497

Ion Ratio Lower Upper

113 100

111 99.9 84.2 126.4

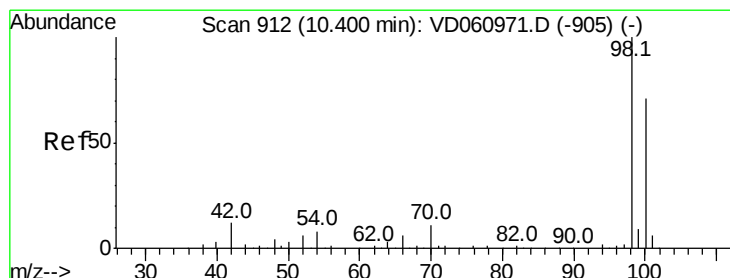
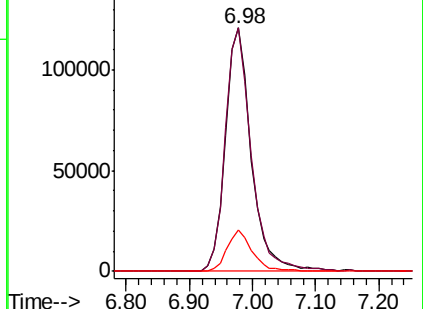
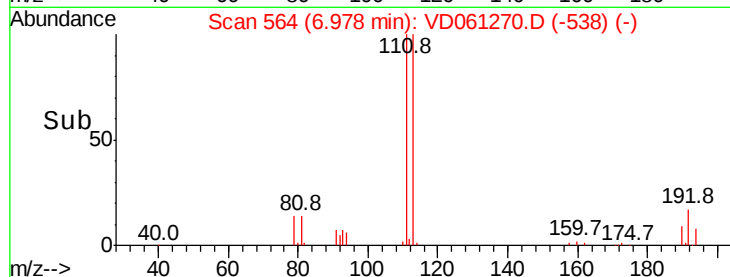
192 17.0 13.1 19.7



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: 10.45 min Scan# 917

Delta R.T. 0.05 min

Lab File: VD061270.D

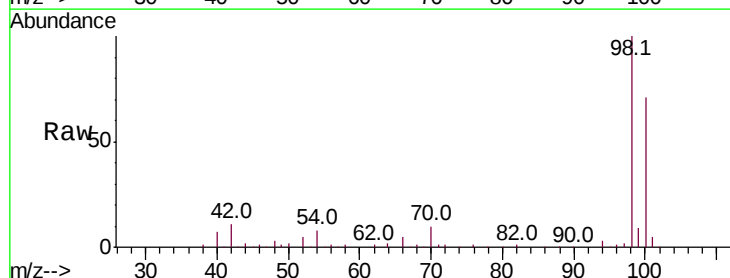
Acq: 22 Mar 2019 19:32

Tgt Ion: 98 Resp: 602231

Ion Ratio Lower Upper

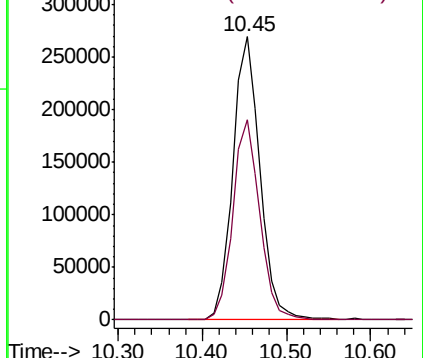
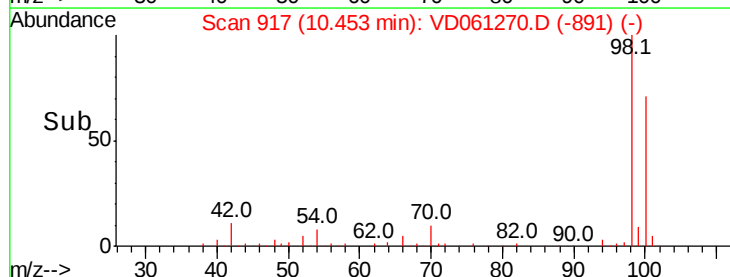
98 100

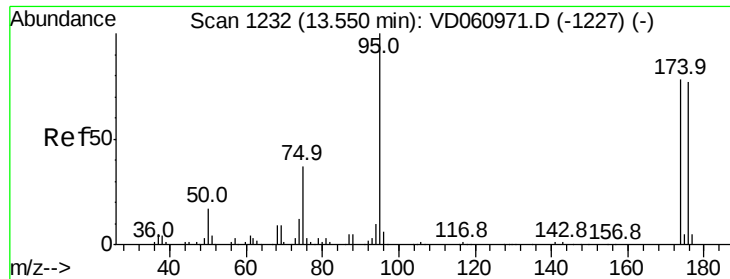
100 70.8 57.4 86.2



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: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

SB-23(4-5)RE

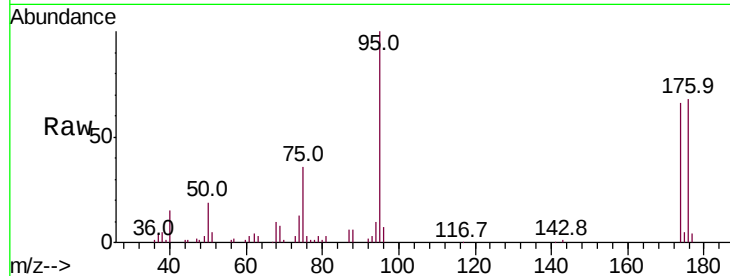
Tot Ion: 95 Resp: 111023

Ion Ratio Lower Upper

95 100

174 66.1 0.0 155.6

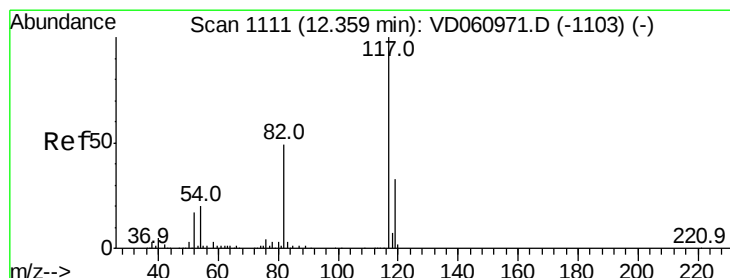
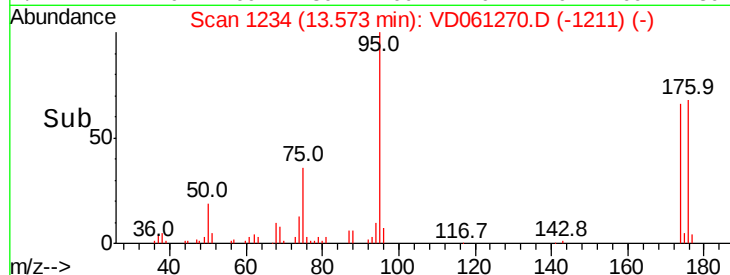
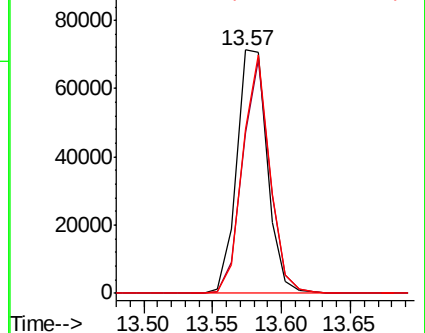
176 67.6 0.0 153.8



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: 12.39 min Scan# 1114

Delta R.T. 0.03 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

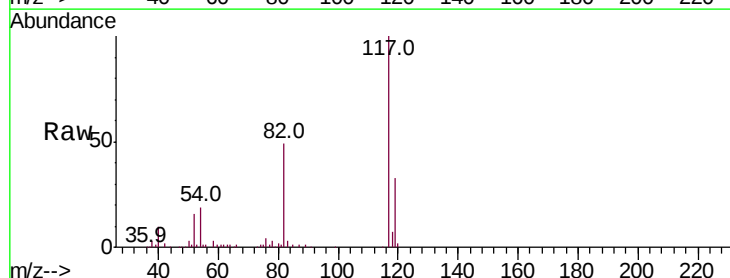
Tgt Ion: 117 Resp: 402564

Ion Ratio Lower Upper

117 100

82 48.5 38.9 58.3

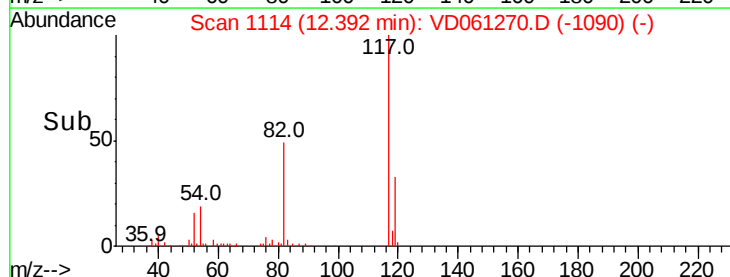
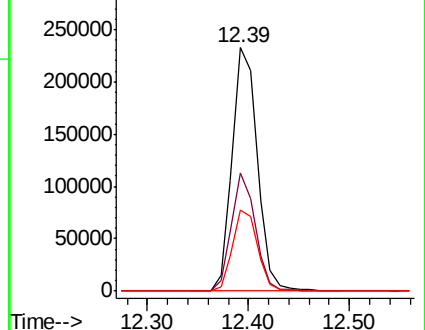
119 33.4 26.6 39.8

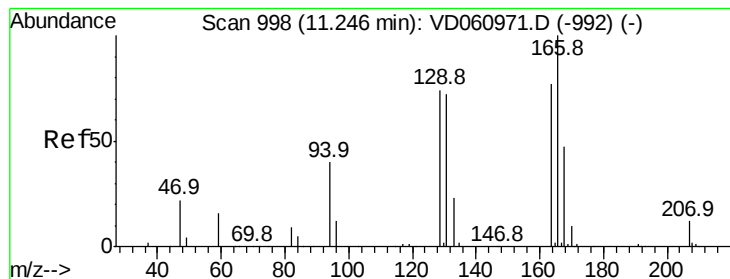


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 6.694 ug/l

RT: 11.30 min Scan# 1003

Delta R.T. 0.05 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

SB-23(4-5)RE

Tot Ion:164 Resp: 18192

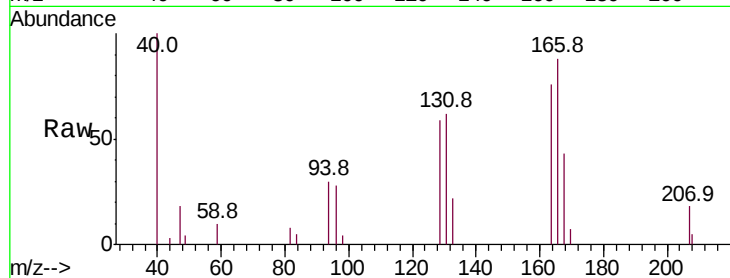
Ion Ratio Lower Upper

164 100

166 116.0 103.4 155.0

129 78.6 76.9 115.3

131 82.4 74.4 111.6



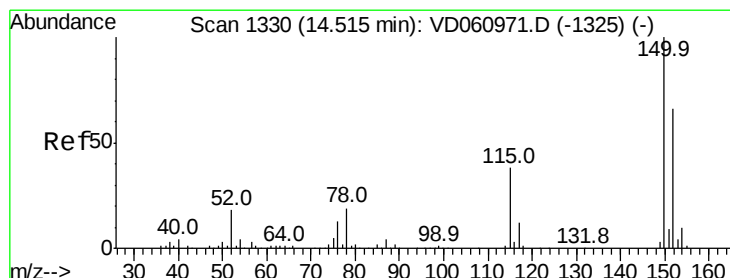
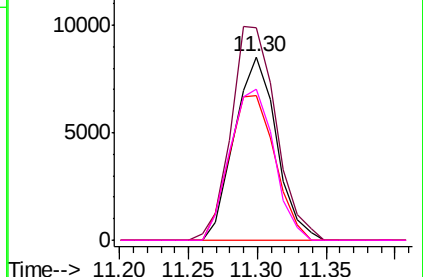
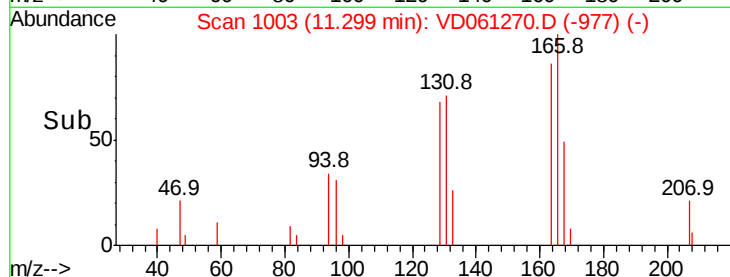
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time--> 11.20 11.25 11.30 11.35



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

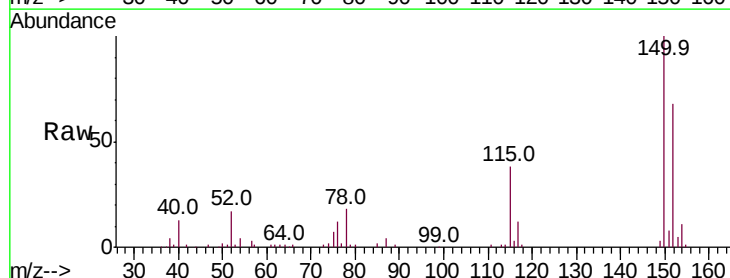
Tgt Ion:152 Resp: 80812

Ion Ratio Lower Upper

152 100

115 55.7 28.6 85.9

150 147.9 0.0 310.6



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

Time--> 14.45 14.50 14.55 14.60

