

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061987.D
 Acq On : 24 Apr 2019 2:28
 Operator : VA/AP
 Sample : K2204-03
 Misc : 6.38g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-042219

Quant Time: Apr 24 04:02:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

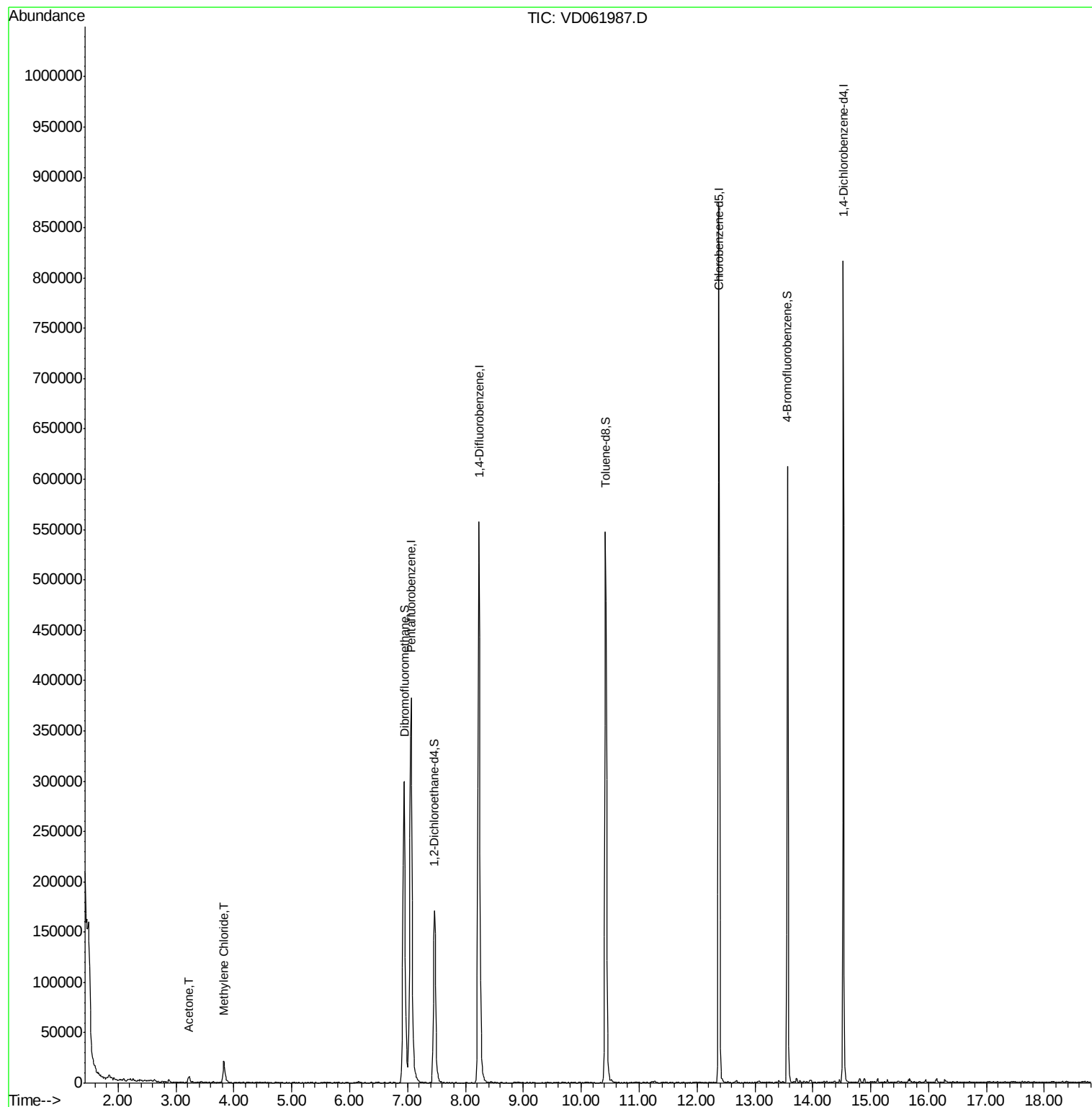
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	387853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	677916	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	536650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	190041	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	180377	59.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.84%	
35) Dibromofluoromethane	6.93	113	286840	61.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.36%	
50) Toluene-d8	10.42	98	479429	42.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.94%	
62) 4-Bromofluorobenzene	13.56	95	207925	46.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.94%	
Target Compounds						
16) Acetone	3.22	43	11905	16.425	ug/l	92
20) Methylene Chloride	3.82	84	16154	1.484	ug/l	92

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

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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

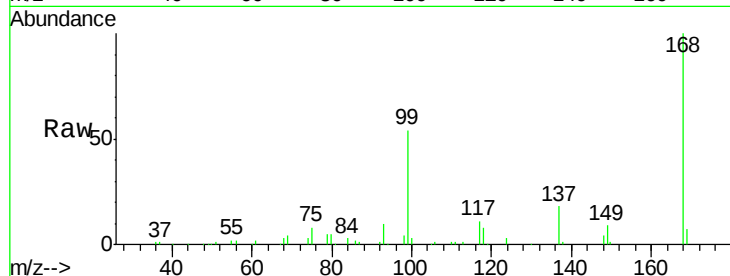
TR-05-042219

Tot Ion:168 Resp: 387853

Ion Ratio Lower Upper

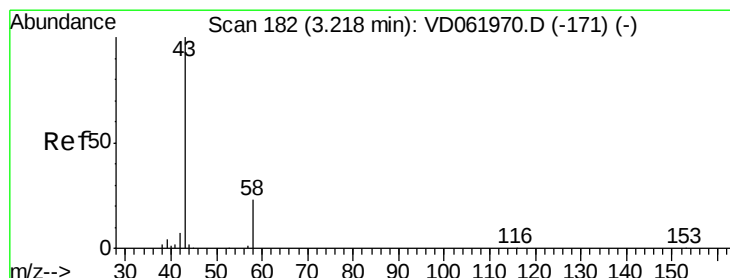
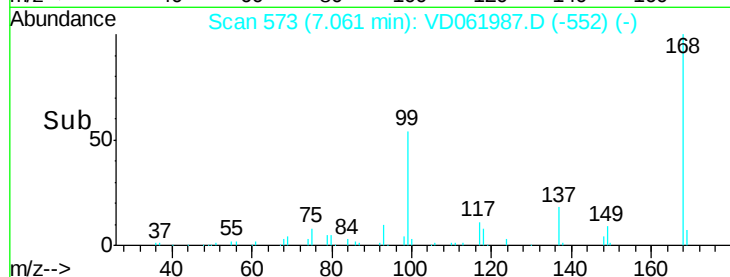
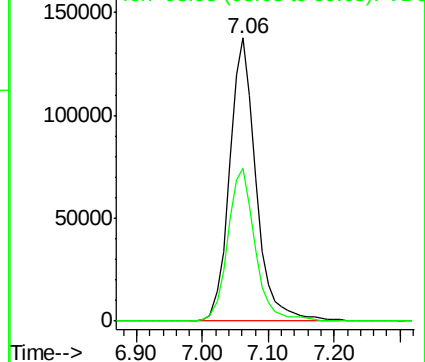
168 100

99 53.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 16.425 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061987.D

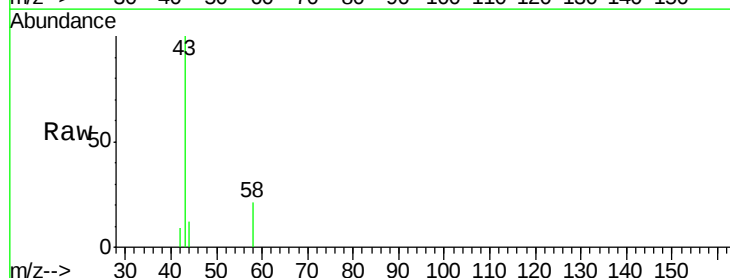
Acq: 24 Apr 2019 2:28

Tgt Ion: 43 Resp: 11905

Ion Ratio Lower Upper

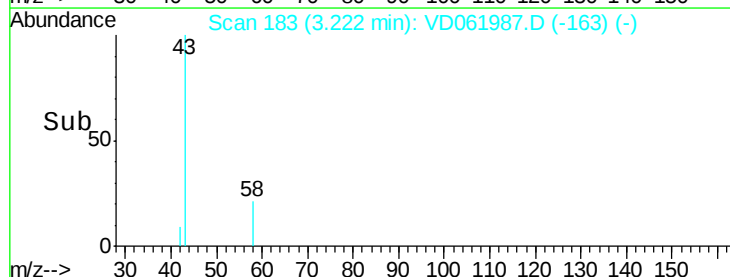
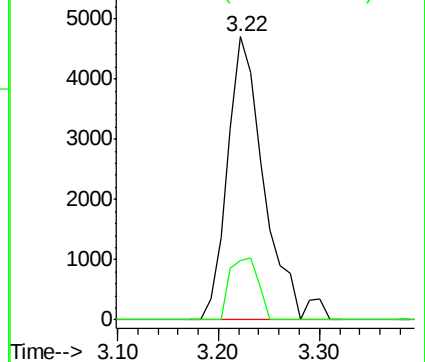
43 100

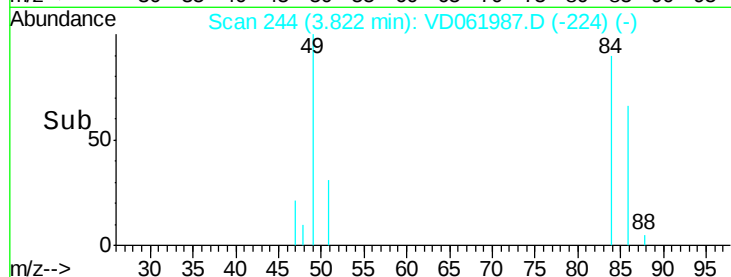
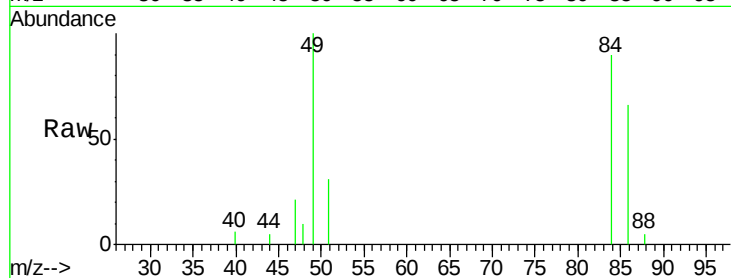
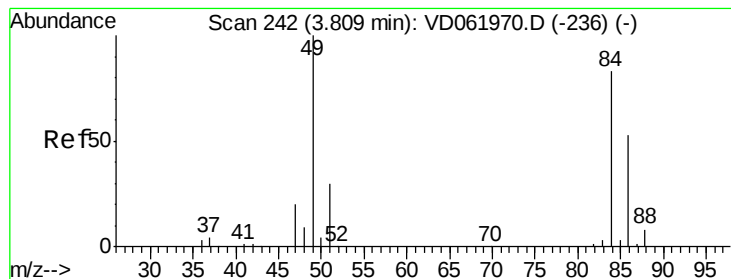
58 20.8 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 1.484 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.00 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

TR-05-042219

Tot Ion: 84 Resp: 16154

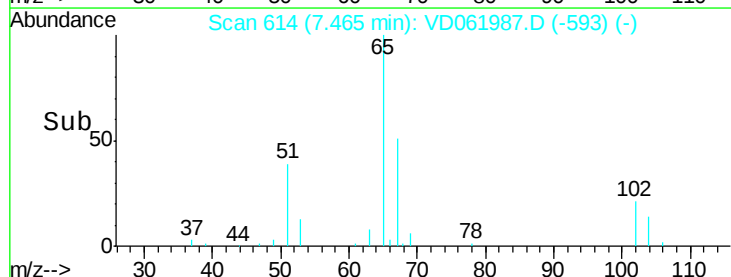
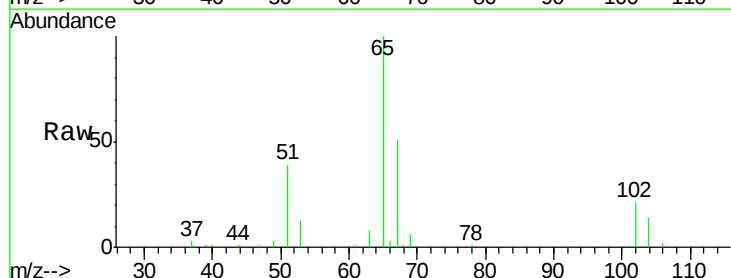
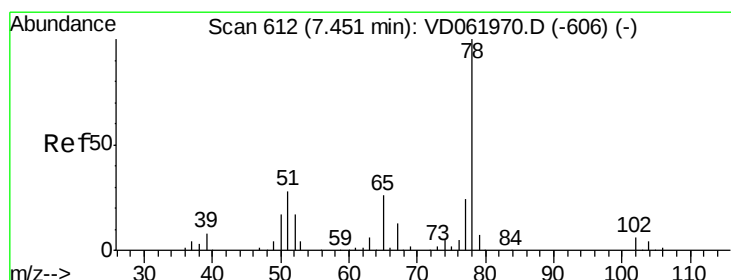
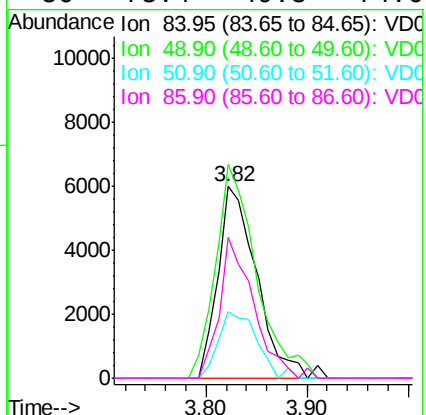
Ion Ratio Lower Upper

84 100

49 111.4 94.0 141.0

51 34.8 29.0 43.4

86 73.4 49.8 74.6



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061987.D

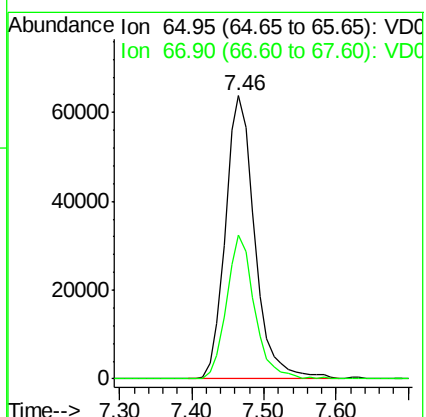
Acq: 24 Apr 2019 2:28

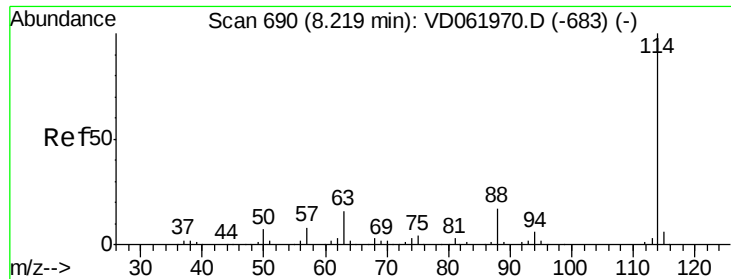
Tgt Ion: 65 Resp: 180377

Ion Ratio Lower Upper

65 100

67 50.7 0.0 98.0

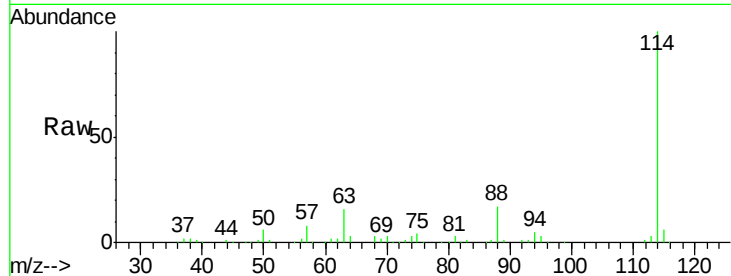




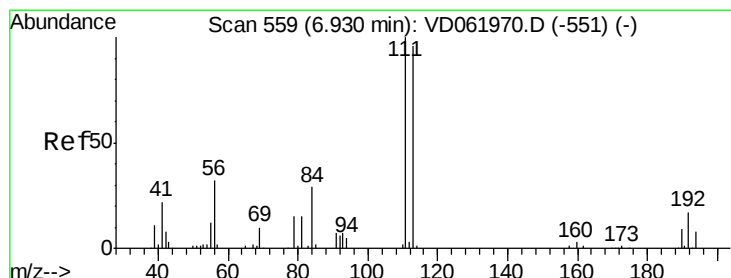
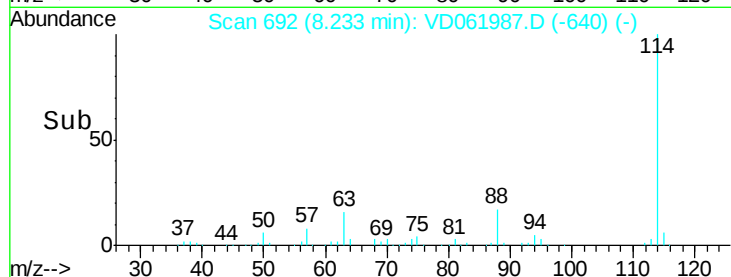
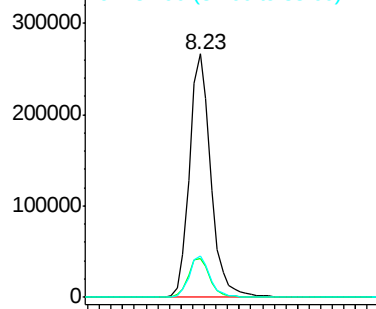
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD061987.D
 Acq: 24 Apr 2019 2:28

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-042219

Tot Ion:114 Resp: 677916
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 32.4
 88 16.8 0.0 33.6

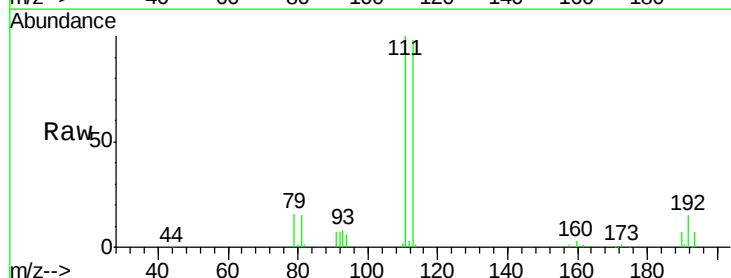


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

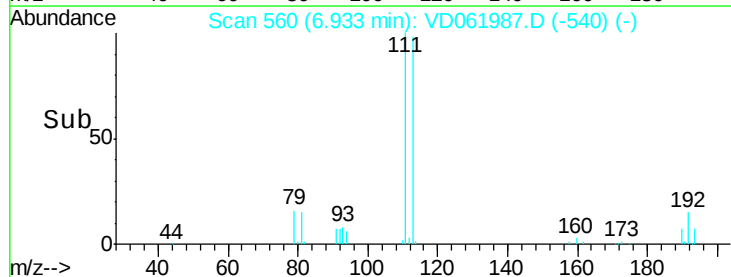
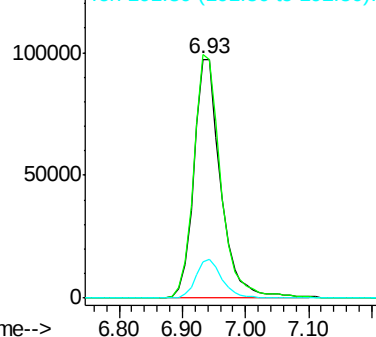


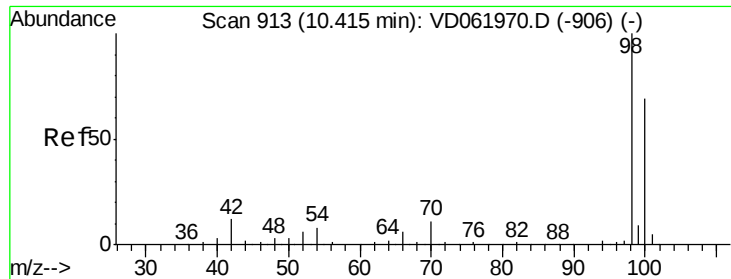
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD061987.D
 Acq: 24 Apr 2019 2:28

Tgt Ion:113 Resp: 286840
 Ion Ratio Lower Upper
 113 100
 111 101.9 78.5 117.7
 192 15.3 13.0 19.4



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. -0.00 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

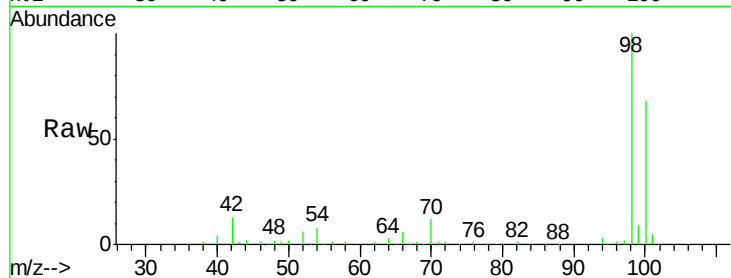
TR-05-042219

Tot Ion: 98 Resp: 479429

Ion Ratio Lower Upper

98 100

100 67.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

10.42

200000

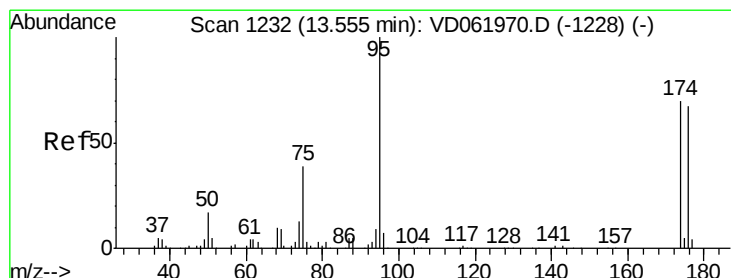
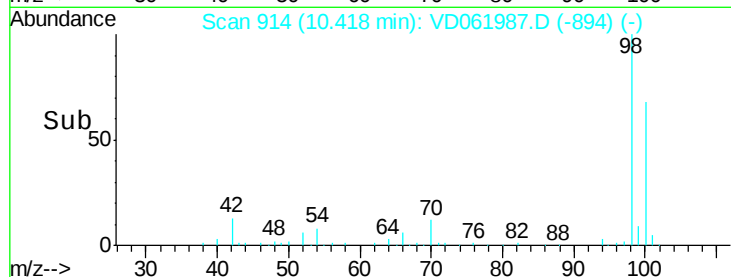
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

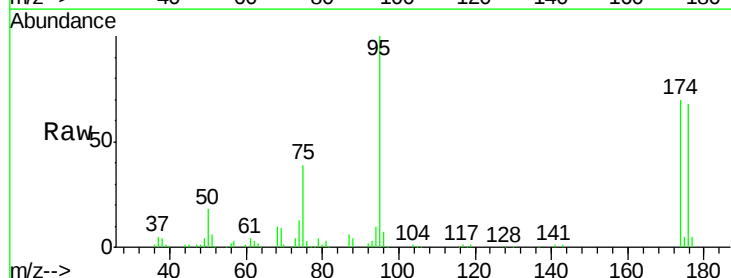
Tgt Ion: 95 Resp: 207925

Ion Ratio Lower Upper

95 100

174 69.9 0.0 181.8

176 67.9 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)

Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)

Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

13.56

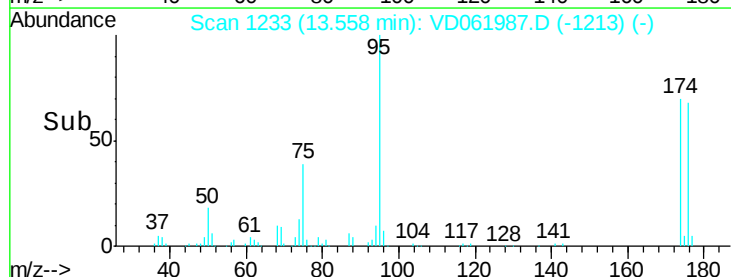
150000

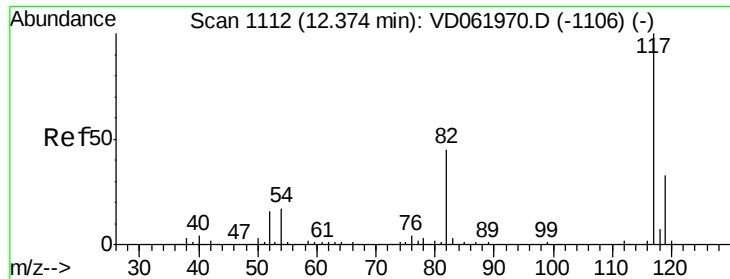
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD061987.D

Acq: 24 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

TR-05-042219

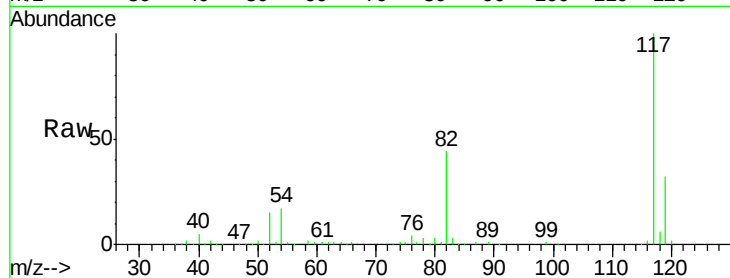
Tot Ion:117 Resp: 536650

Ion Ratio Lower Upper

117 100

82 44.3 36.2 54.2

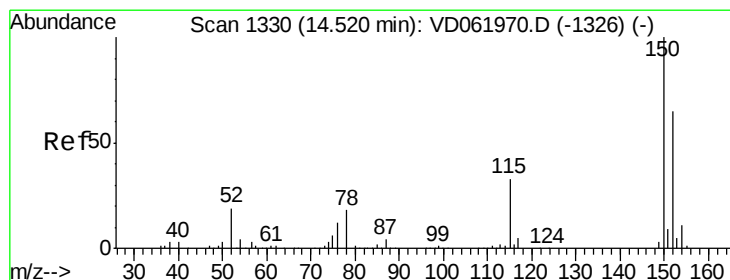
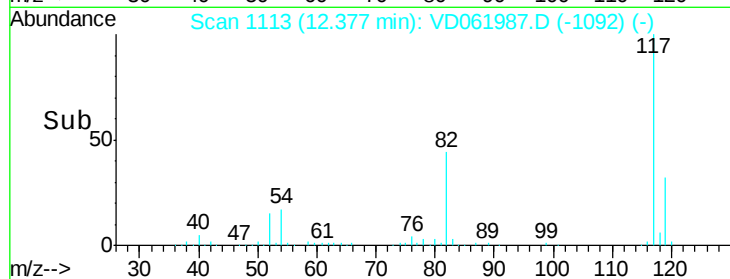
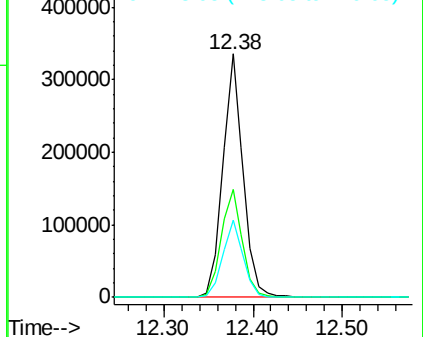
119 31.6 26.2 39.4



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: VD061987.D

Acq: 24 Apr 2019 2:28

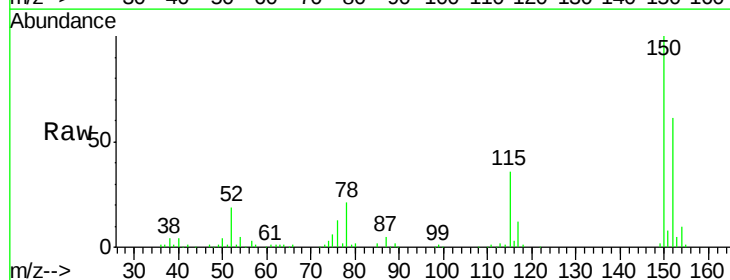
Tgt Ion:152 Resp: 190041

Ion Ratio Lower Upper

152 100

115 59.6 30.9 92.7

150 164.4 0.0 314.8



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

