

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057989.D
 Acq On : 8 Jun 2018 1:16
 Operator : JC/SY
 Sample : VD0607SBL02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBL02

Quant Time: Jun 08 06:52:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	943964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1228183	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	1042261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	539030	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	476763	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	5.54	113	483839	50.92	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	8.70	98	1158069	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.92	95	493452	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

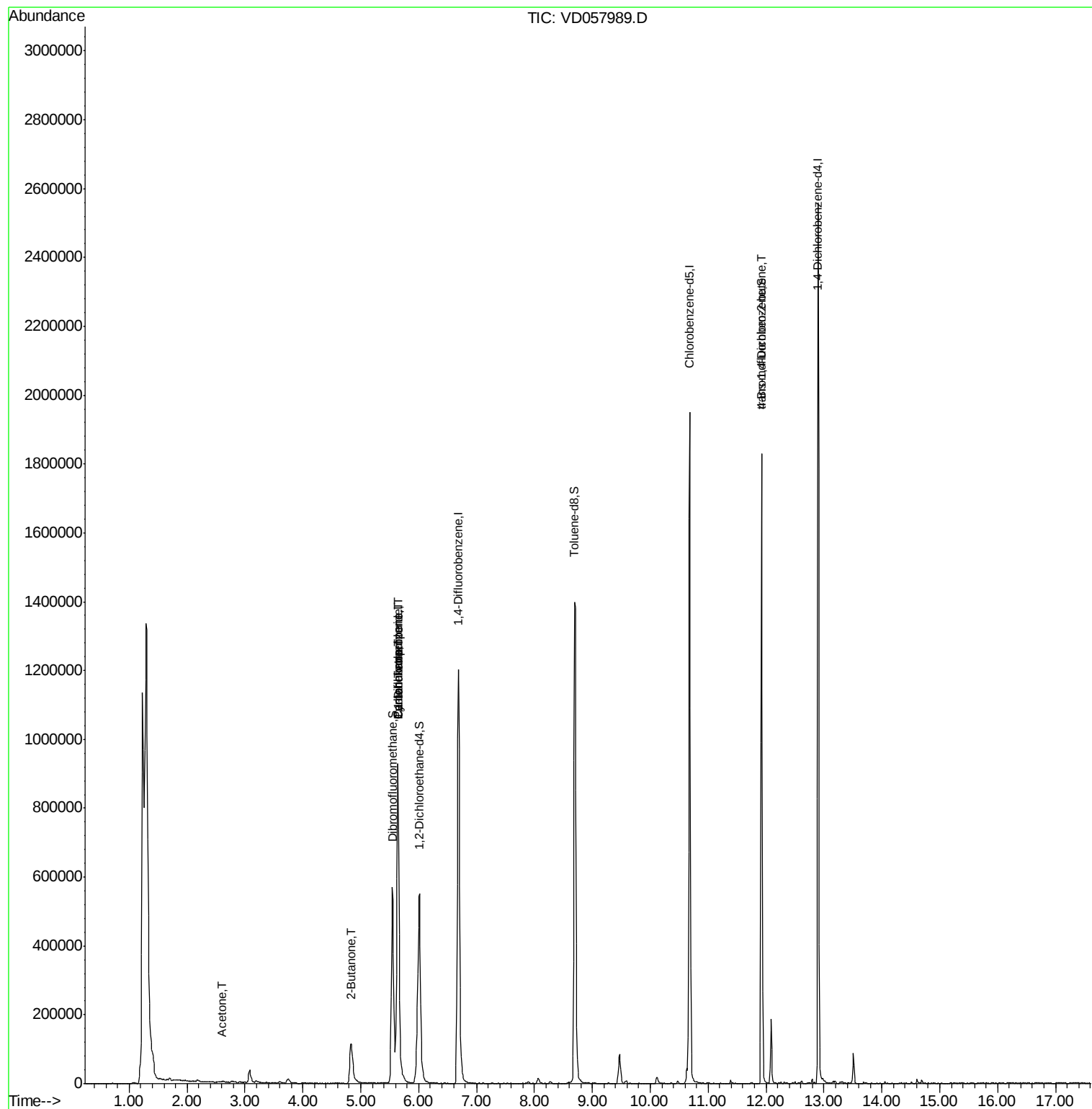
Target Compounds						Qvalue
16) Acetone	2.61	43	5986	4.403	ug/l #	57
20) Methylene Chloride	3.08	84	16727	Below Cal	#	85
25) 2-Butanone	4.84	43	10003	3.237	ug/l #	90
31) Cyclohexane	5.63	56	23559	1.436	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	82868	6.124	ug/l #	52
38) Carbon Tetrachloride	5.64	117	81206	6.089	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	241355	120.346	ug/l #	6
82) 4-Chlorotoluene	12.32	91	1680	Below Cal		94
89) n-Butylbenzene	13.19	91	1672	Below Cal	#	78

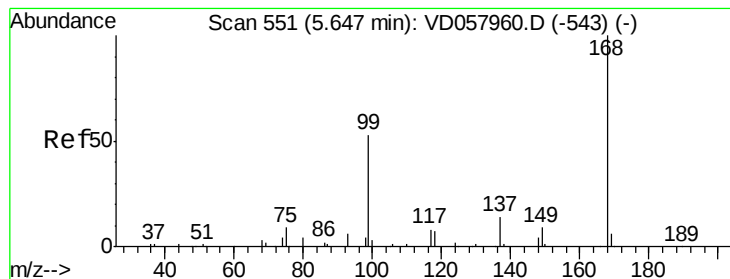
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD057989.D

Acq: 8 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

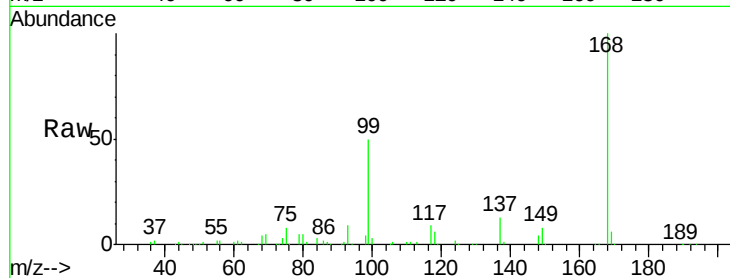
VD0607SBL02

Tgt Ion:168 Resp: 943964

Ion Ratio Lower Upper

168 100

99 49.6 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

300000

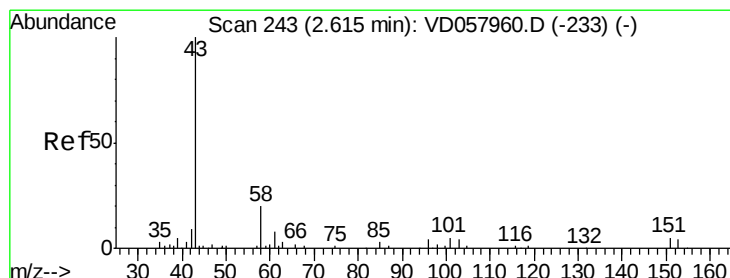
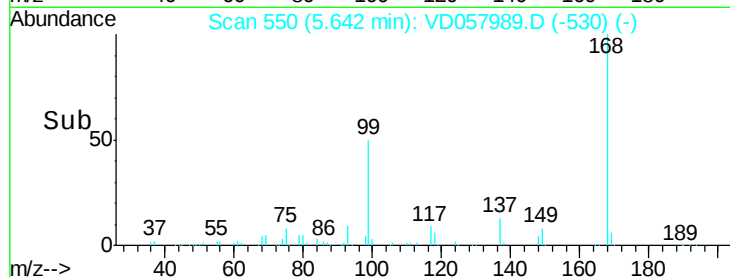
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 4.403 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD057989.D

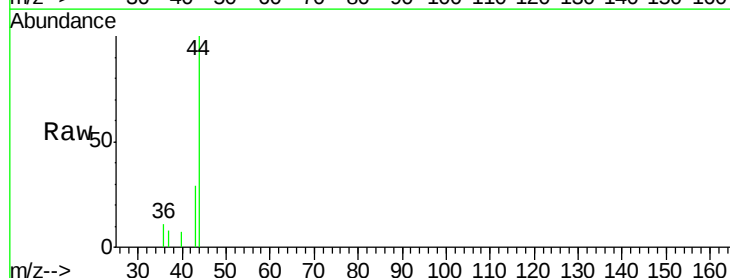
Acq: 8 Jun 2018 1:16

Tgt Ion: 43 Resp: 5986

Ion Ratio Lower Upper

43 100

58 0.0 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500

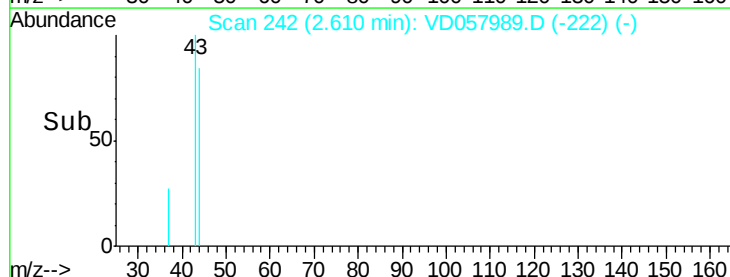
1000

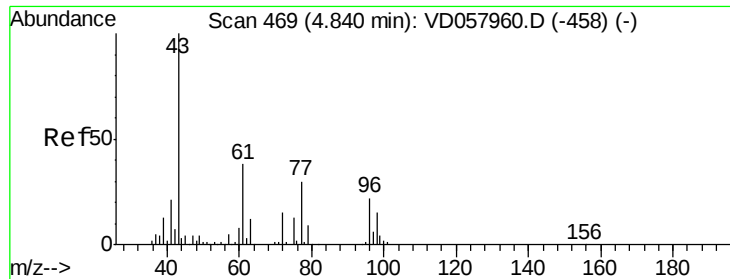
500

0

Time-->

2.50 2.60 2.70





#25

2-Butanone

Concen: 3.237 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD057989.D

Acq: 8 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

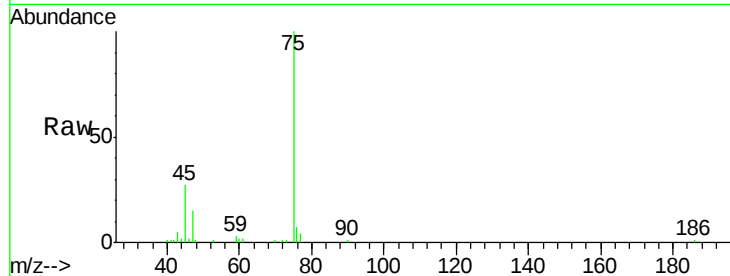
VD0607SBL02

Tgt Ion: 43 Resp: 10003

Ion Ratio Lower Upper

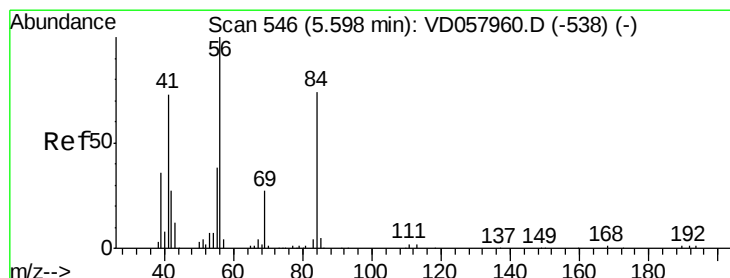
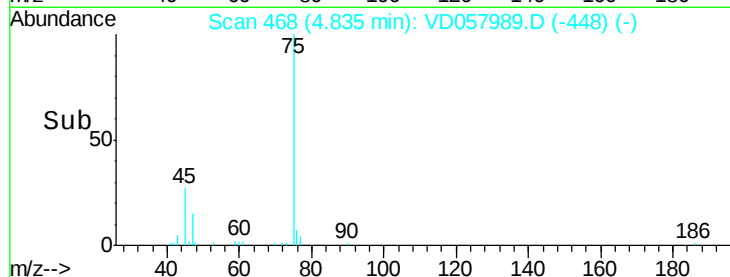
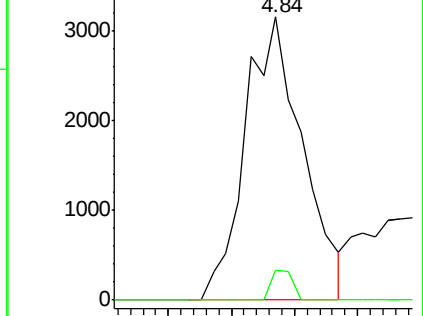
43 100

72 10.7 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.436 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD057989.D

Acq: 8 Jun 2018 1:16

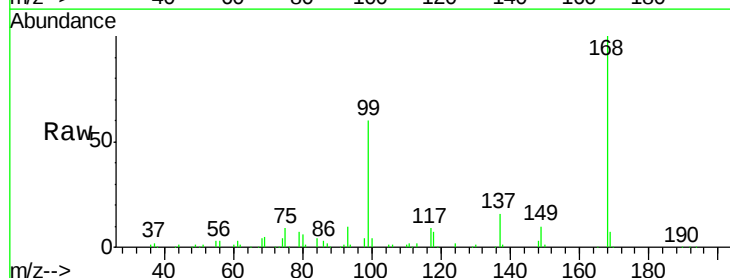
Tgt Ion: 56 Resp: 23559

Ion Ratio Lower Upper

56 100

69 201.7 21.5 32.3#

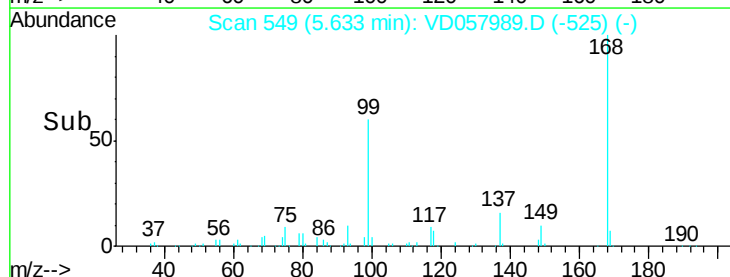
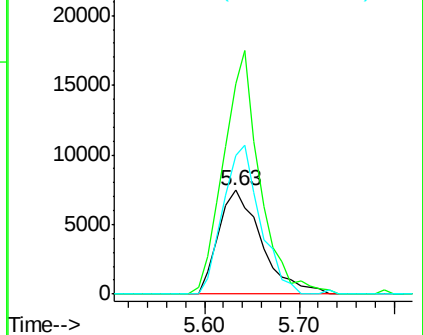
84 133.6 61.0 91.6#

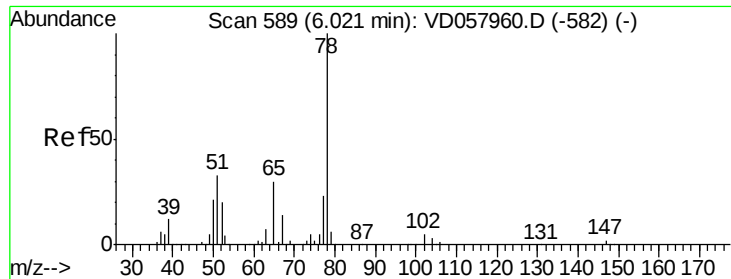


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD057989.D

Acq: 8 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

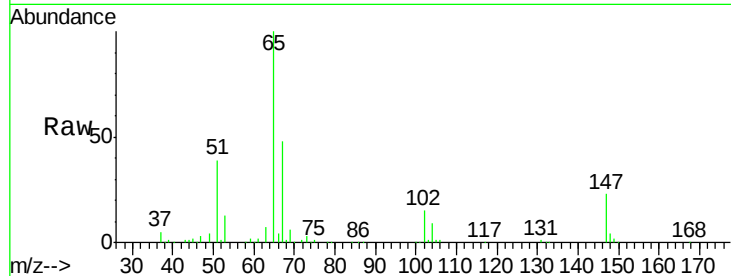
VD0607SBL02

Tgt Ion: 65 Resp: 476763

Ion Ratio Lower Upper

65 100

67 47.9 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.02

200000

150000

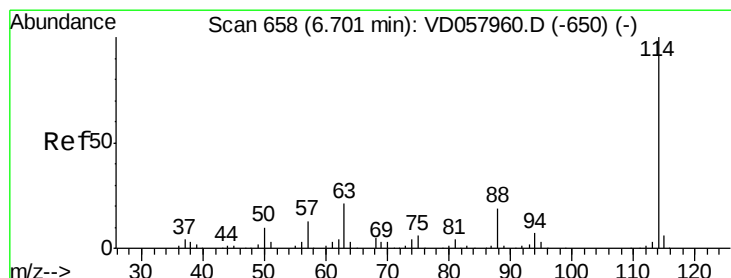
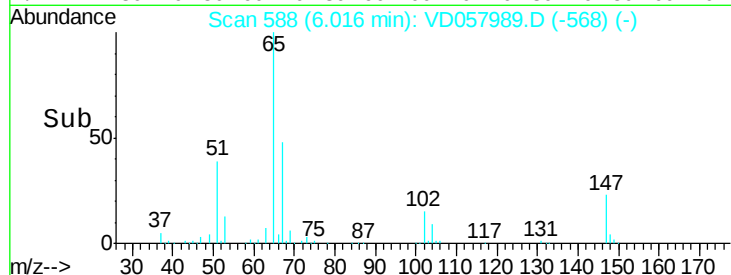
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD057989.D

Acq: 8 Jun 2018 1:16

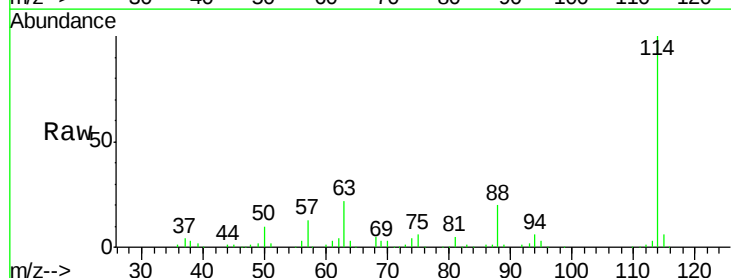
Tgt Ion: 114 Resp: 1228183

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.8

88 19.8 0.0 37.8



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

6.69

600000

500000

400000

300000

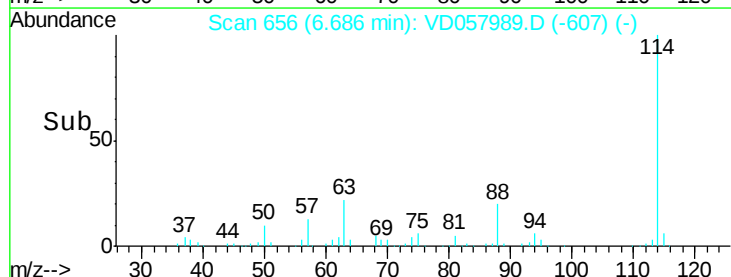
200000

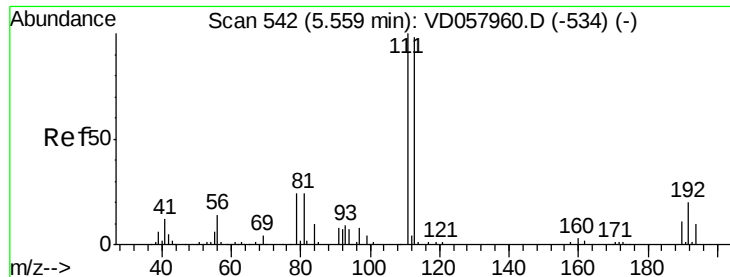
100000

0

Time-->

6.60 6.80 7.00





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD057989.D

Acq: 8 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBL02

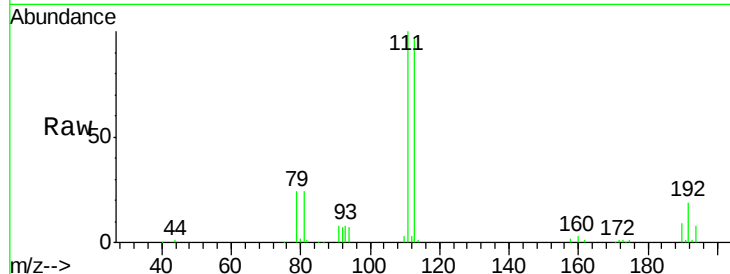
Tgt Ion:113 Resp: 483839

Ion Ratio Lower Upper

113 100

111 103.3 81.5 122.3

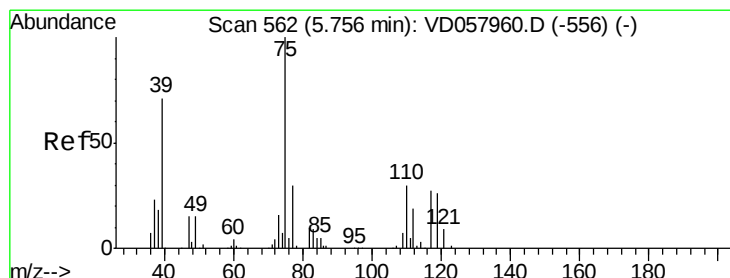
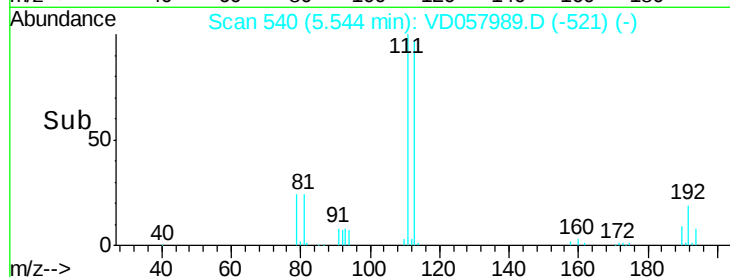
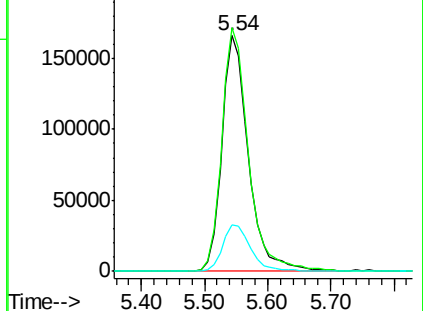
192 19.7 16.4 24.6



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



#36

1,1-Dichloropropene

Concen: 6.124 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.11 min

Lab File: VD057989.D

Acq: 8 Jun 2018 1:16

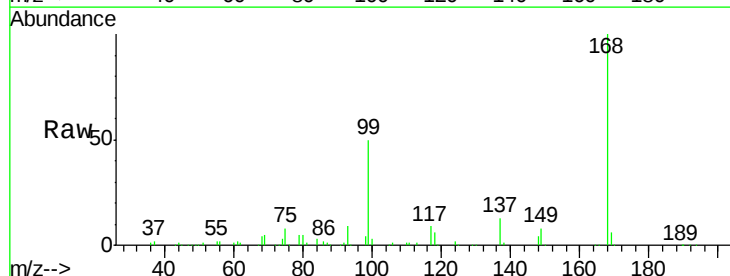
Tgt Ion: 75 Resp: 82868

Ion Ratio Lower Upper

75 100

110 7.5 14.8 44.3#

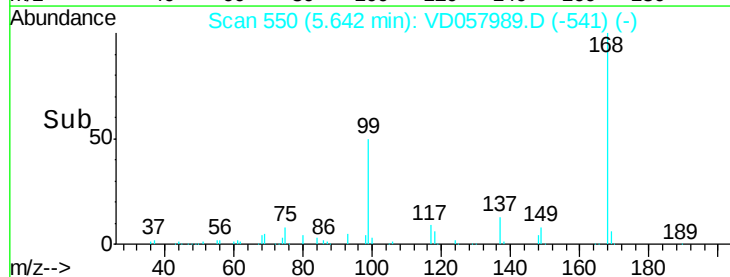
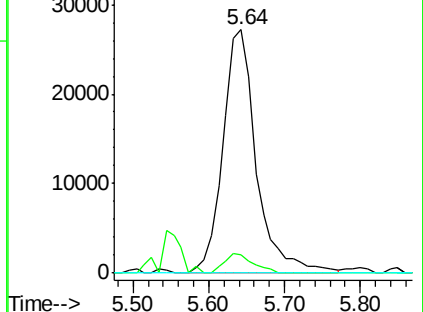
77 0.0 23.9 35.9#

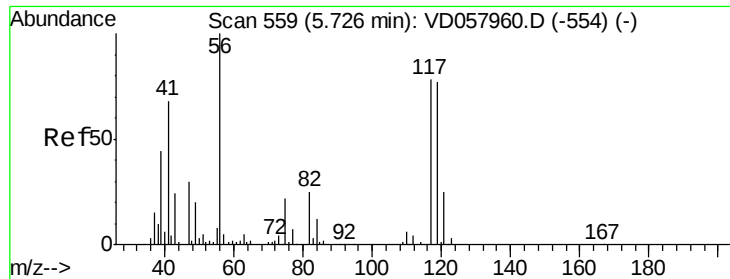


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

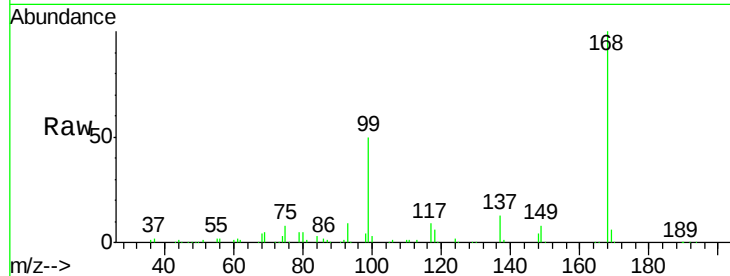




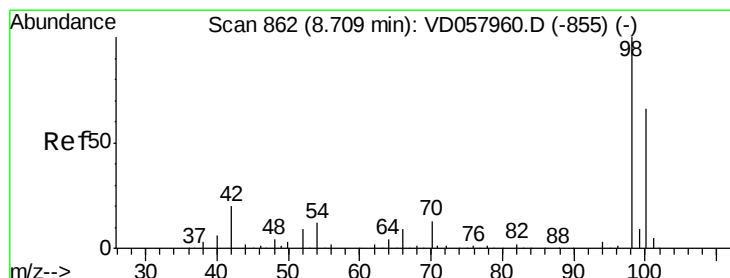
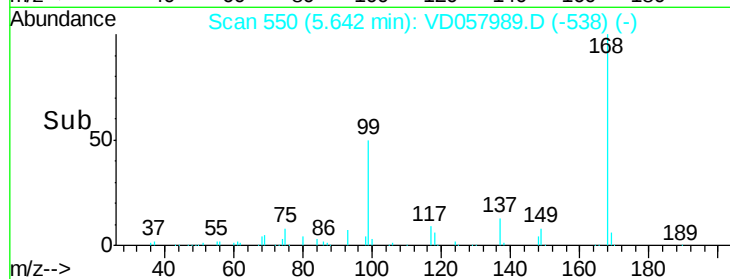
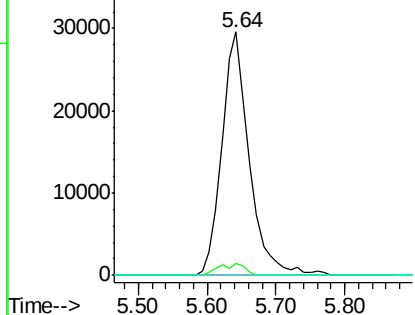
#38
Carbon Tetrachloride
Concen: 6.089 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.08 min
Lab File: VD057989.D
Acq: 8 Jun 2018 1:16

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBL02

Tgt Ion:117 Resp: 81206
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.9 37.3#

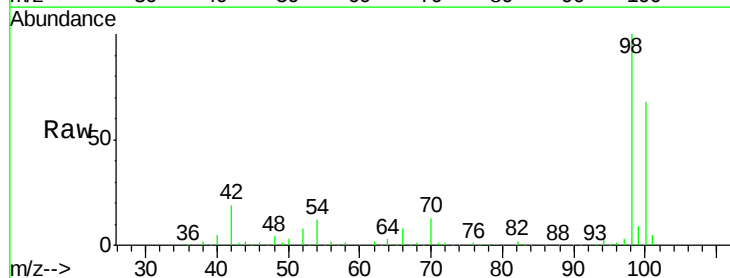


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

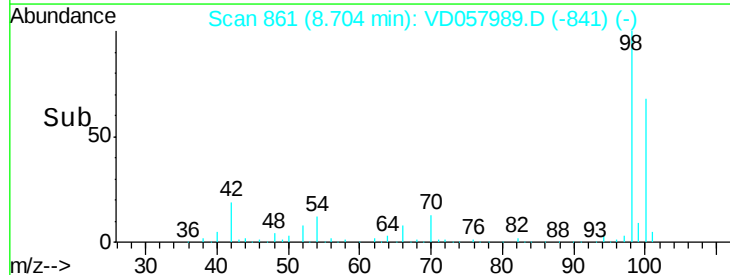
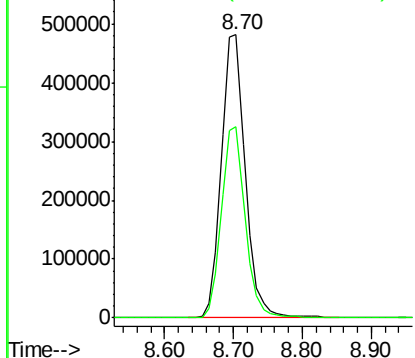


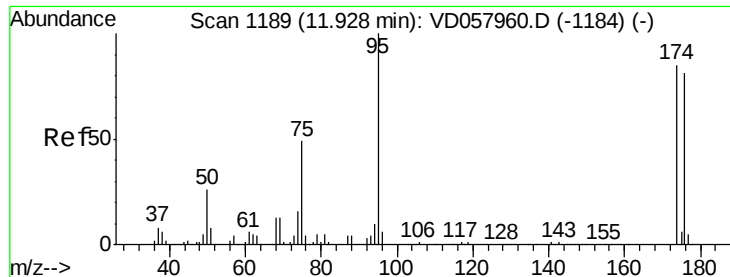
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.00 min
Lab File: VD057989.D
Acq: 8 Jun 2018 1:16

Tgt Ion: 98 Resp: 1158069
Ion Ratio Lower Upper
98 100
100 67.6 53.4 80.0



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: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD057989.D

Acq: 8 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBL02

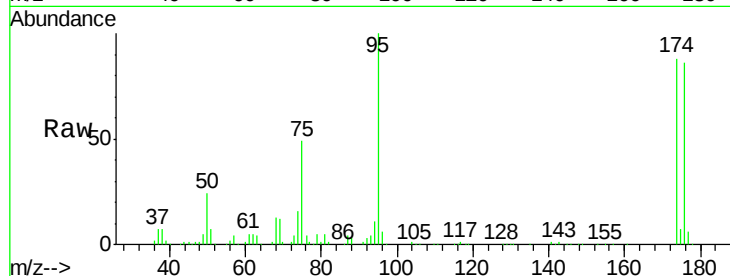
Tgt Ion: 95 Resp: 493452

Ion Ratio Lower Upper

95 100

174 88.2 0.0 169.4

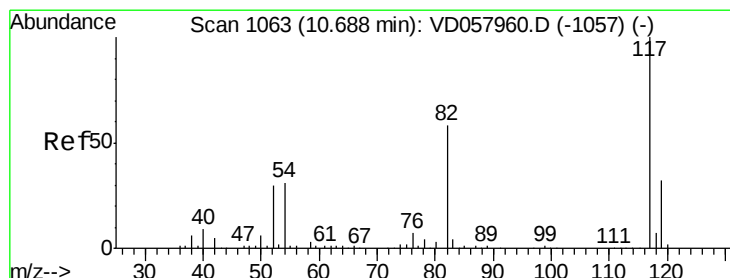
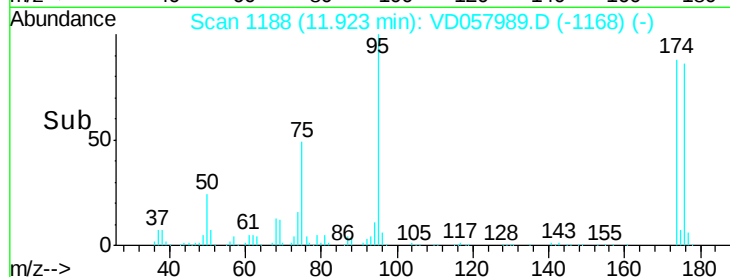
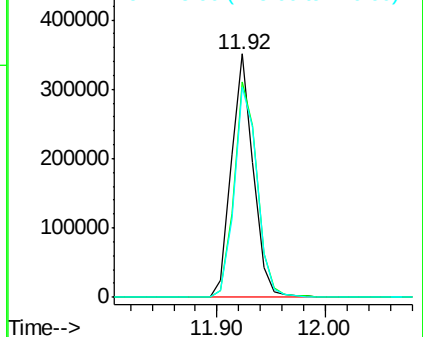
176 86.3 0.0 162.6



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: 10.68 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VD057989.D

Acq: 8 Jun 2018 1:16

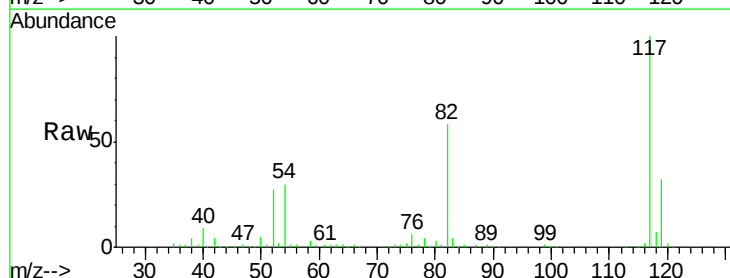
Tgt Ion: 117 Resp: 1042261

Ion Ratio Lower Upper

117 100

82 57.9 46.8 70.2

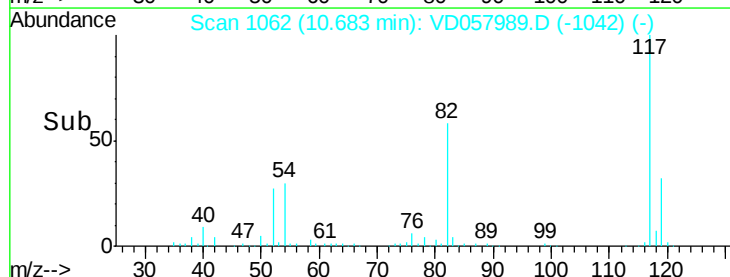
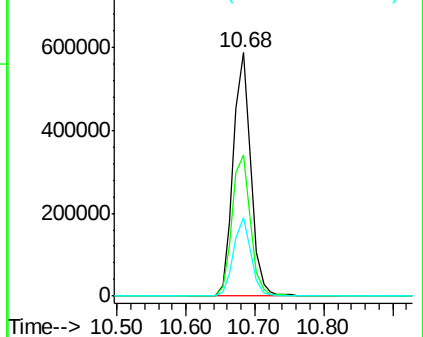
119 32.4 25.8 38.6

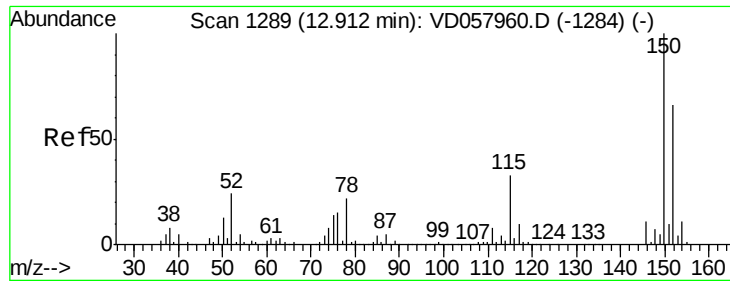


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VD057989.D

Acq: 8 Jun 2018 1:16

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBL02

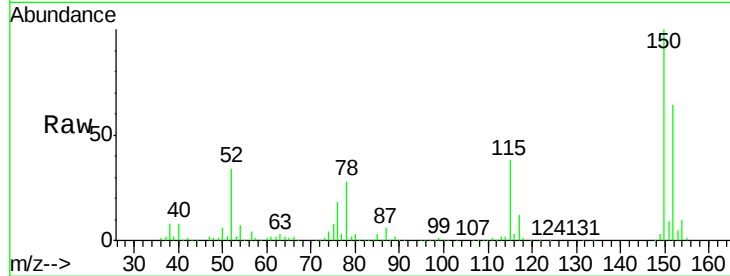
Tgt Ion: 152 Resp: 539030

Ion Ratio Lower Upper

152 100

115 58.9 25.6 76.6

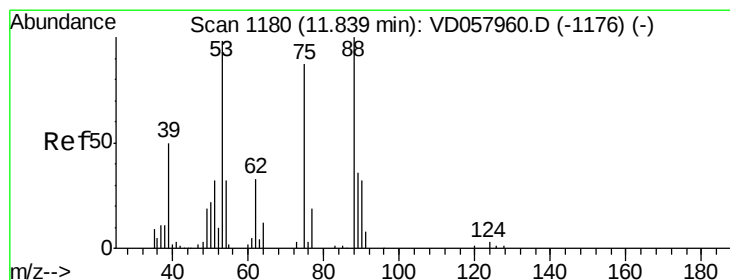
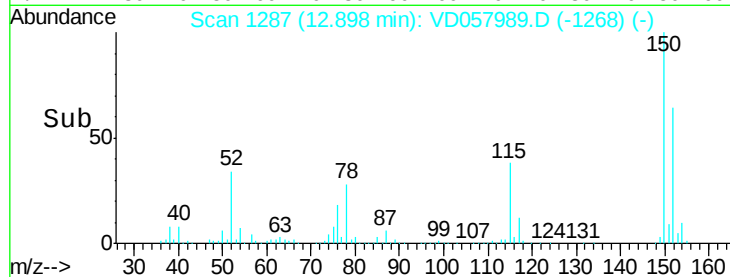
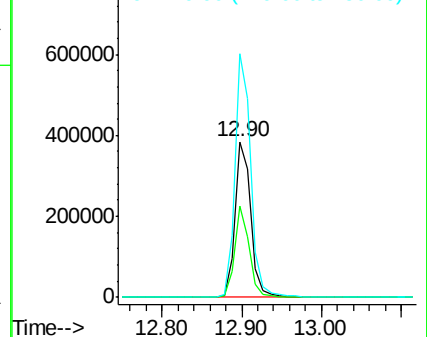
150 156.2 0.0 306.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 120.346 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD057989.D

Acq: 8 Jun 2018 1:16

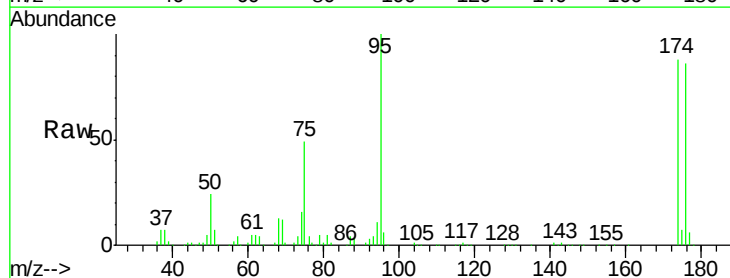
Tgt Ion: 75 Resp: 241355

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

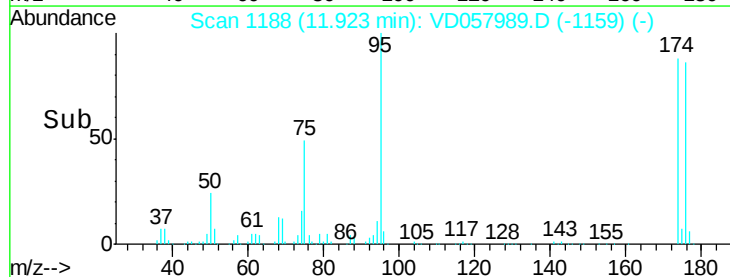
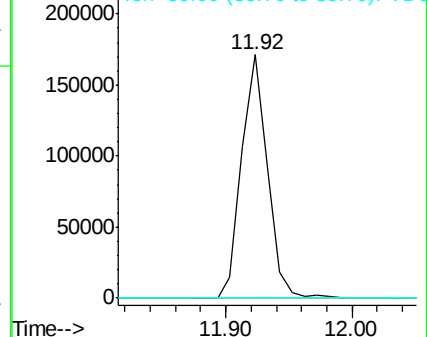
89 0.0 33.3 49.9#

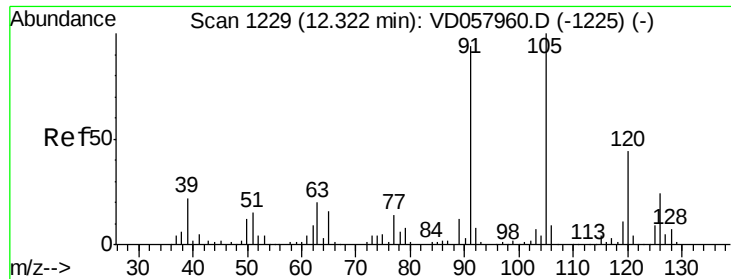


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

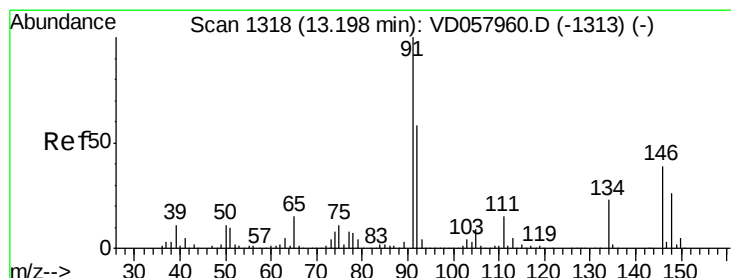
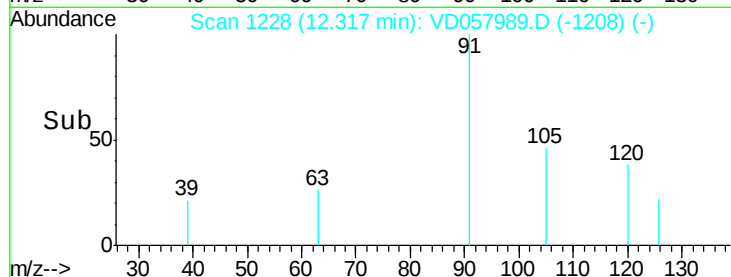
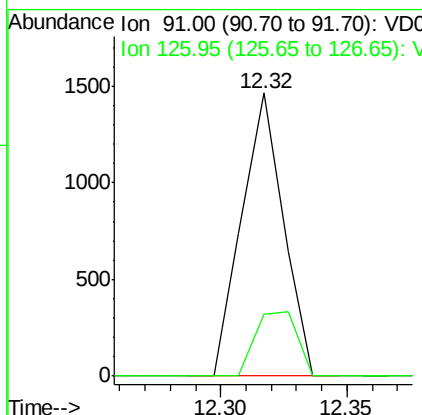
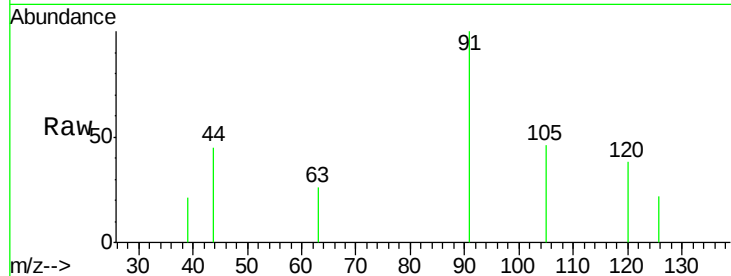




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VD057989.D
Acq: 8 Jun 2018 1:16

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBL02

Tgt Ion: 91 Resp: 1680
Ion Ratio Lower Upper
91 100
126 21.9 12.5 37.5



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD057989.D
Acq: 8 Jun 2018 1:16

Tgt Ion: 91 Resp: 1672
Ion Ratio Lower Upper
91 100
92 68.1 29.2 87.6
134 0.0 11.3 33.9#

