

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057996.D
 Acq On : 8 Jun 2018 4:32
 Operator : JC/SY
 Sample : J3329-05RE
 Misc : 5.57g/5ml/MSVOA_D/SOIL
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-33(0-5)

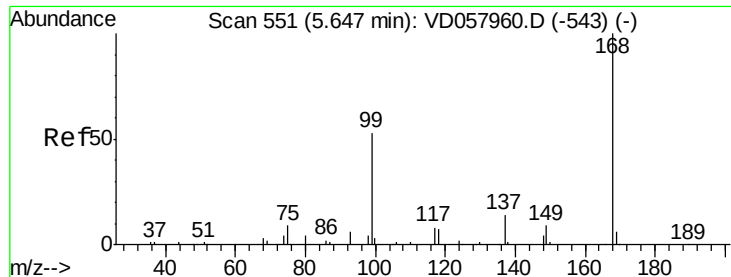
Quant Time: Jun 08 06:55:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	649664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	867088	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	636411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	304907	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	301040	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
35) Dibromofluoromethane	5.55	113	296434	44.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.38%	
50) Toluene-d8	8.70	98	617890	38.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.48%	
62) 4-Bromofluorobenzene	11.93	95	265758	38.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.25	59	725	4.167	ug/l #	74
16) Acetone	2.62	43	15452	16.513	ug/l #	91
20) Methylene Chloride	3.08	84	5502	Below Cal		94
25) 2-Butanone	4.84	43	3283	1.544	ug/l #	64
31) Cyclohexane	5.64	56	15405	1.364	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	57478	6.017	ug/l #	50
38) Carbon Tetrachloride	5.64	117	60201	6.394	ug/l #	15
51) 4-Methyl-2-Pentanone	8.70	43	4857	1.109	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	125712	110.815	ug/l #	6
82) 4-Chlorotoluene	12.31	91	761	Below Cal	#	50
89) n-Butylbenzene	13.18	91	282	Below Cal	#	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD057996.D

Acq: 8 Jun 2018 4:32

Instrument :

MSVOA_D

ClientSampleId :

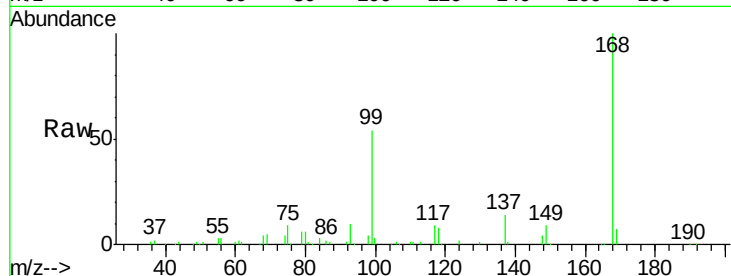
MH-33(0-5)

Tgt Ion:168 Resp: 649664

Ion Ratio Lower Upper

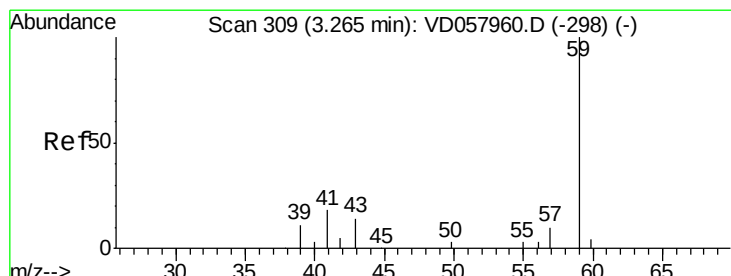
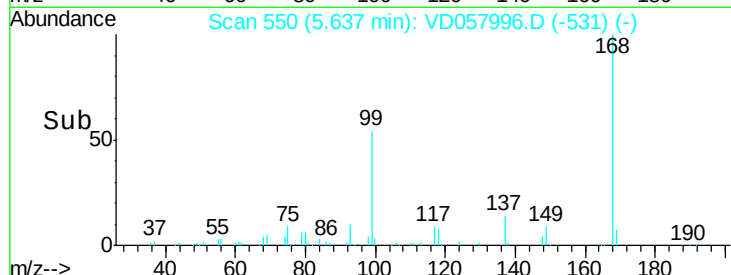
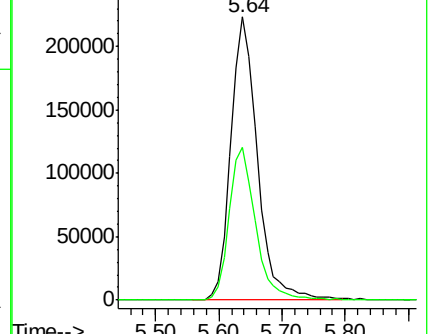
168 100

99 53.8 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 4.167 ug/l

RT: 3.25 min Scan# 307

Delta R.T. -0.02 min

Lab File: VD057996.D

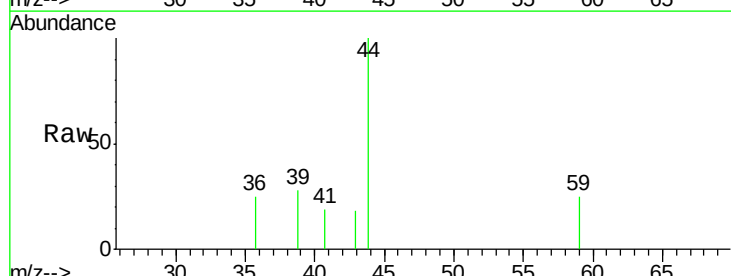
Acq: 8 Jun 2018 4:32

Tgt Ion: 59 Resp: 725

Ion Ratio Lower Upper

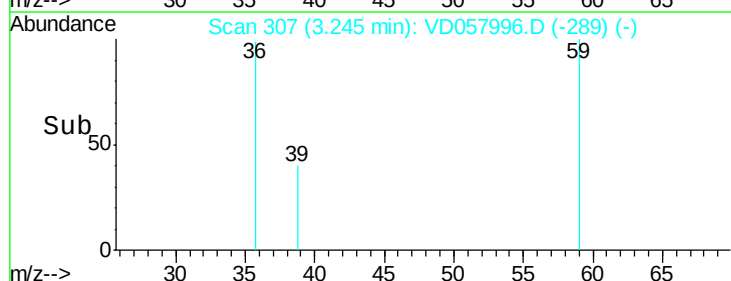
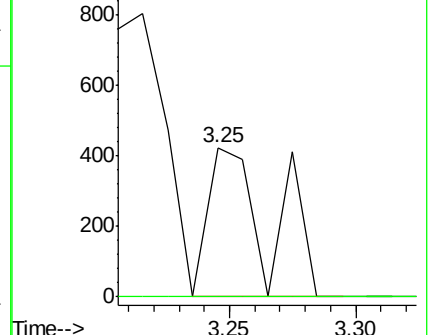
59 100

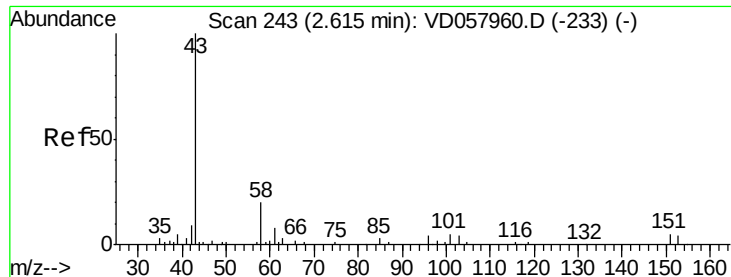
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 16.513 ug/l

RT: 2.62 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD057996.D

Acq: 8 Jun 2018 4:32

Instrument :

MSVOA_D

ClientSampleId :

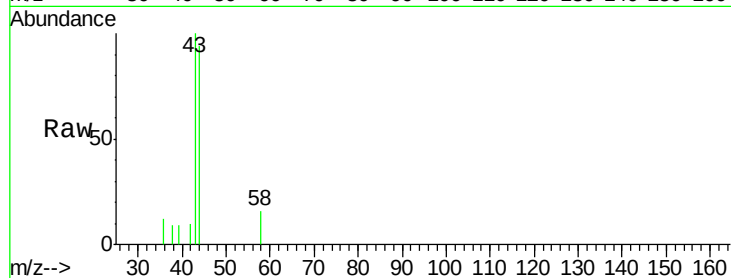
MH-33(0-5)

Tgt Ion: 43 Resp: 15452

Ion Ratio Lower Upper

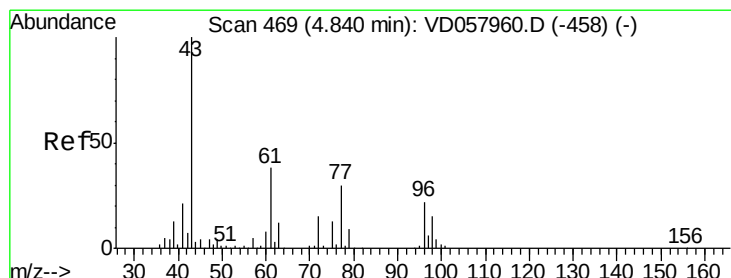
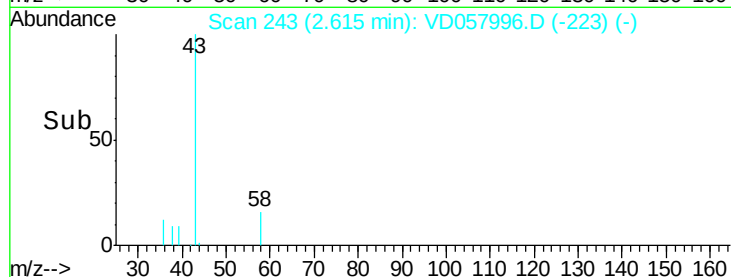
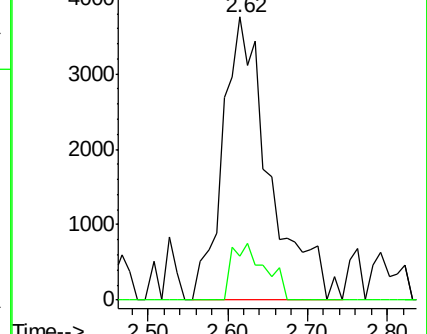
43 100

58 15.7 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#25

2-Butanone

Concen: 1.544 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD057996.D

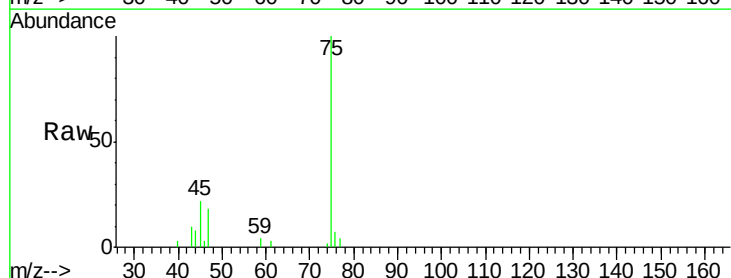
Acq: 8 Jun 2018 4:32

Tgt Ion: 43 Resp: 3283

Ion Ratio Lower Upper

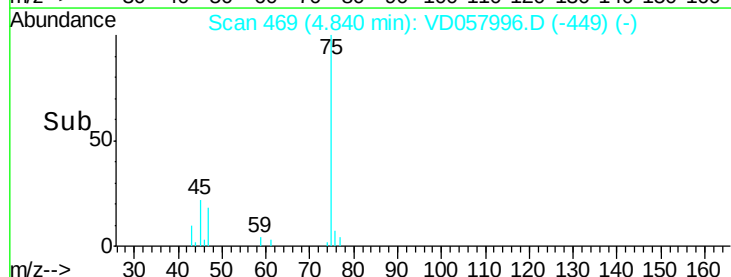
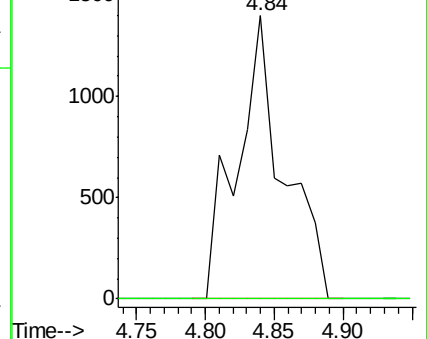
43 100

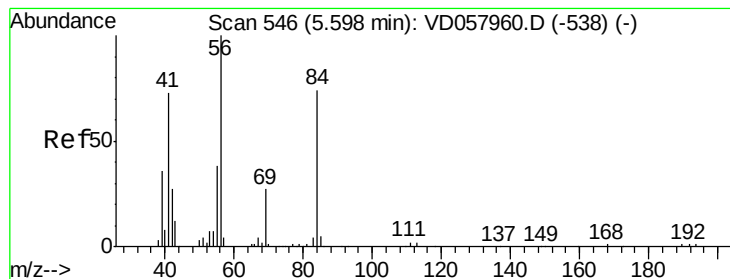
72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.364 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.04 min

Lab File: VD057996.D

Acq: 8 Jun 2018 4:32

Instrument :

MSVOA_D

ClientSampleId :

MH-33(0-5)

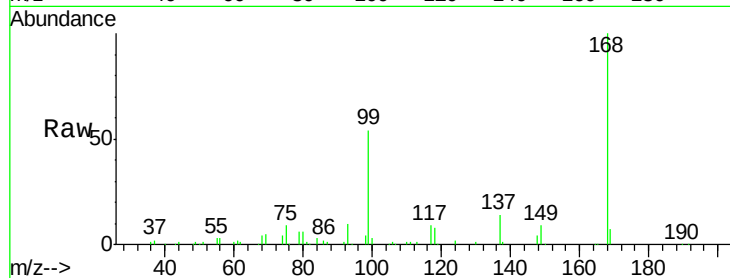
Tgt Ion: 56 Resp: 15405

Ion Ratio Lower Upper

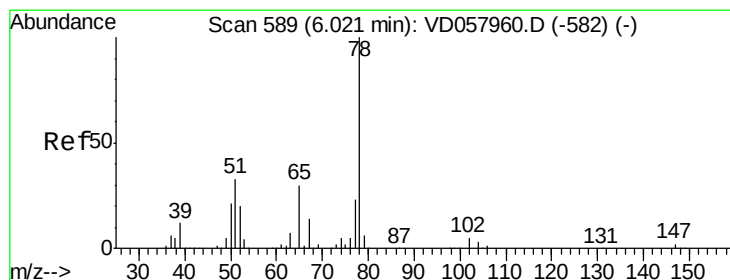
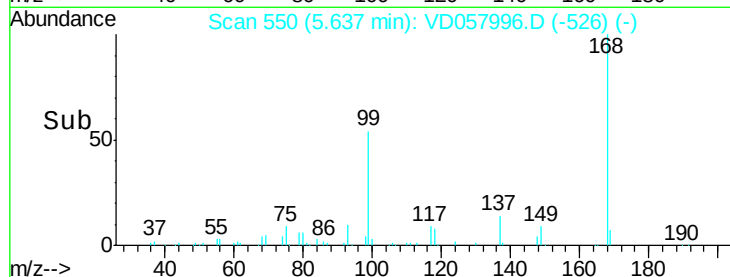
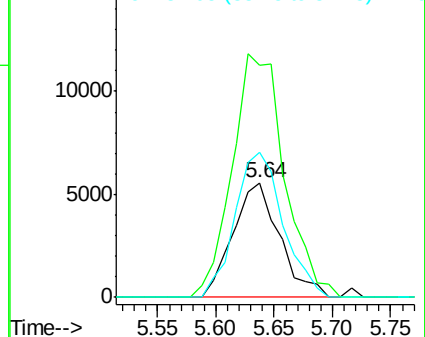
56 100

69 202.2 21.5 32.3#

84 126.4 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: Below ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD057996.D

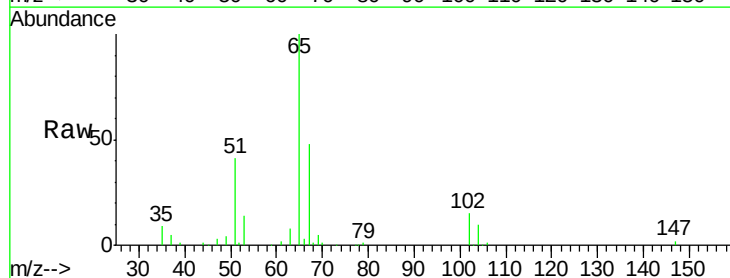
Acq: 8 Jun 2018 4:32

Tgt Ion: 65 Resp: 301040

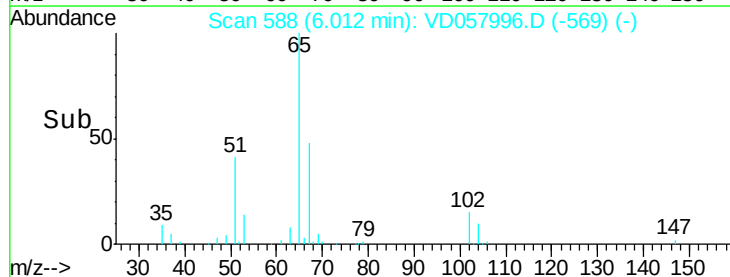
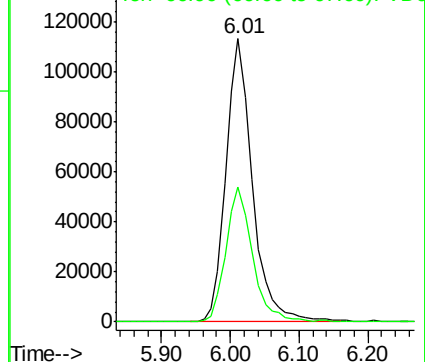
Ion Ratio Lower Upper

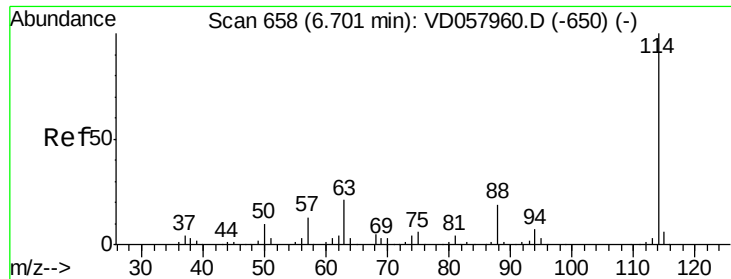
65 100

67 47.6 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

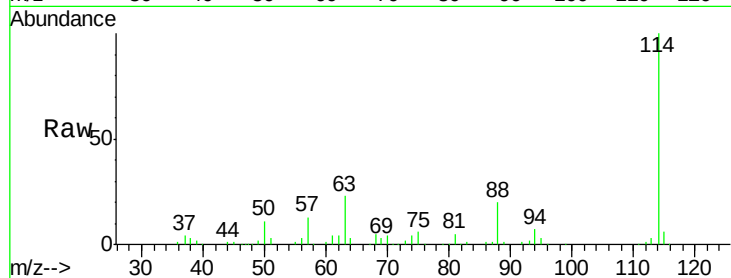




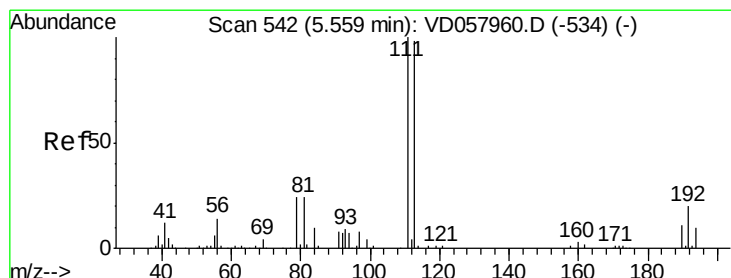
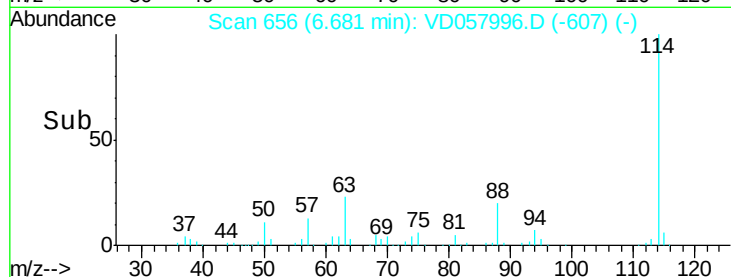
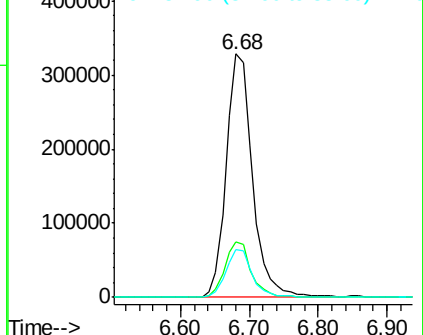
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD057996.D
 Acq: 8 Jun 2018 4:32

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-33(0-5)

Tgt Ion:114 Resp: 867088
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 42.8
 88 19.7 0.0 37.8

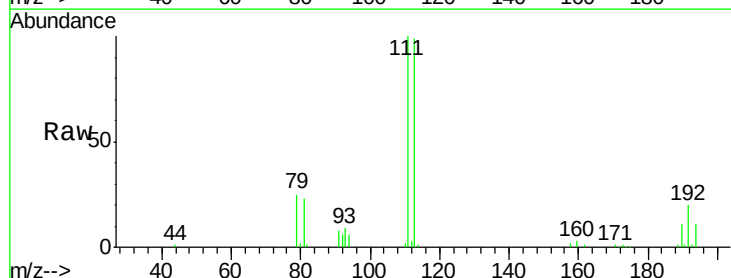


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

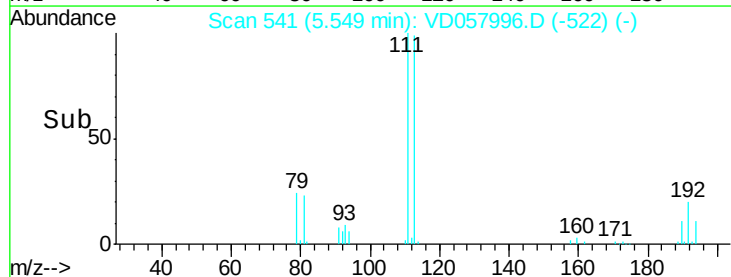
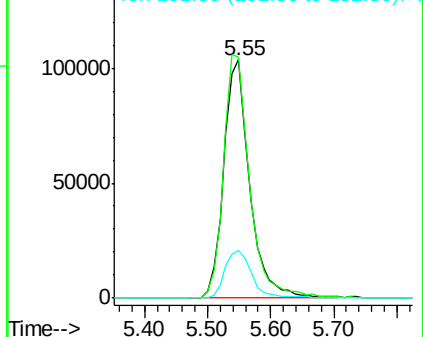


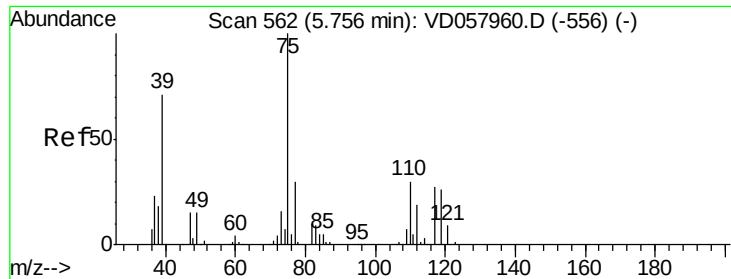
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VD057996.D
 Acq: 8 Jun 2018 4:32

Tgt Ion:113 Resp: 296434
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.5 122.3
 192 19.8 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

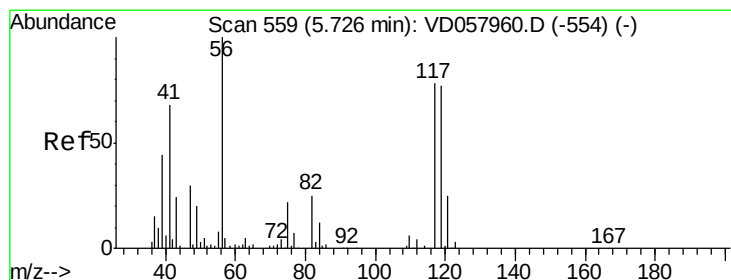
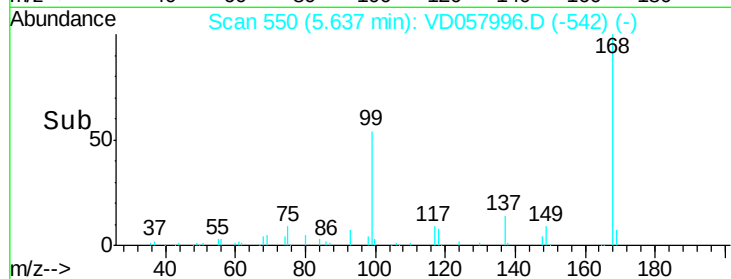
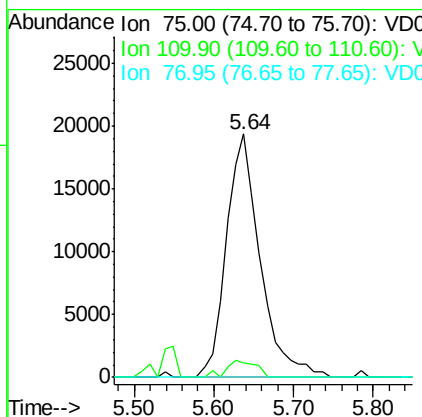
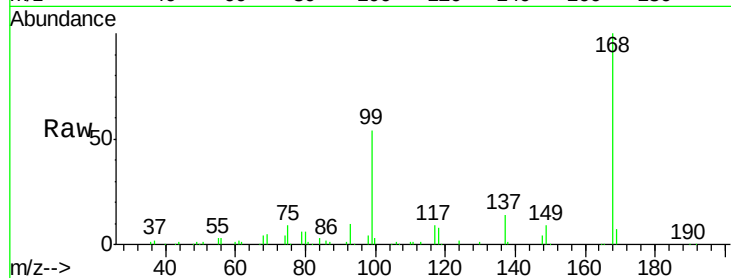




#36
 1,1-Dichloropropene
 Concen: 6.017 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.12 min
 Lab File: VD057996.D
 Acq: 8 Jun 2018 4:32

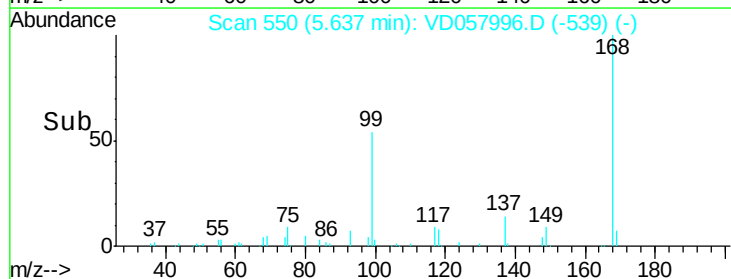
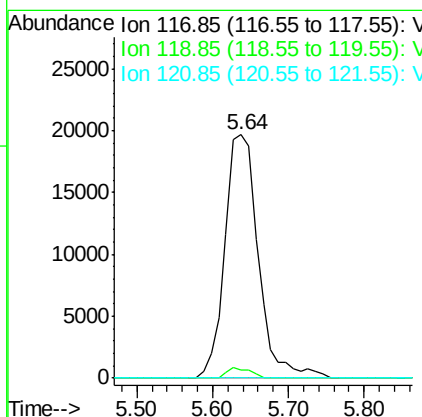
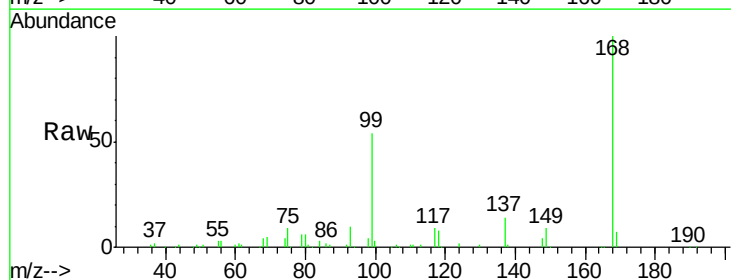
Instrument :
 MSVOA_D
 ClientSampleID :
 MH-33(0-5)

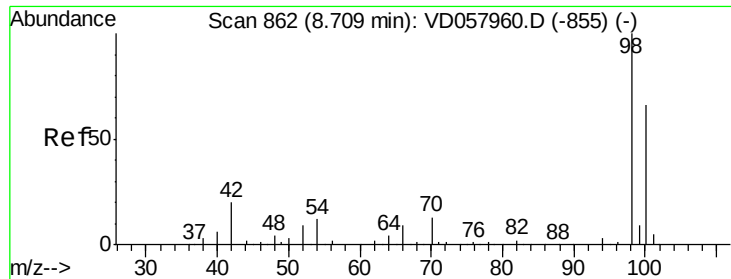
Tgt Ion: 75 Resp: 57478
 Ion Ratio Lower Upper
 75 100
 110 5.9 14.8 44.3#
 77 0.0 23.9 35.9#



#38
 Carbon Tetrachloride
 Concen: 6.394 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.09 min
 Lab File: VD057996.D
 Acq: 8 Jun 2018 4:32

Tgt Ion: 117 Resp: 60201
 Ion Ratio Lower Upper
 117 100
 119 3.4 76.1 114.1#
 121 0.0 24.9 37.3#

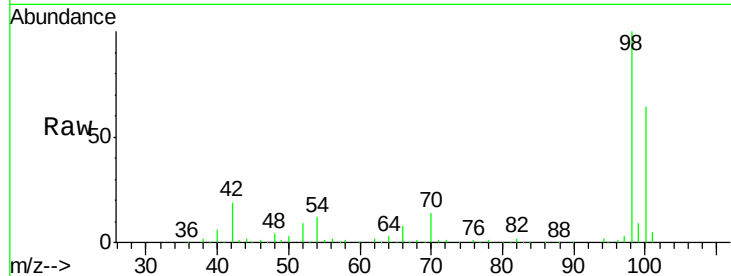




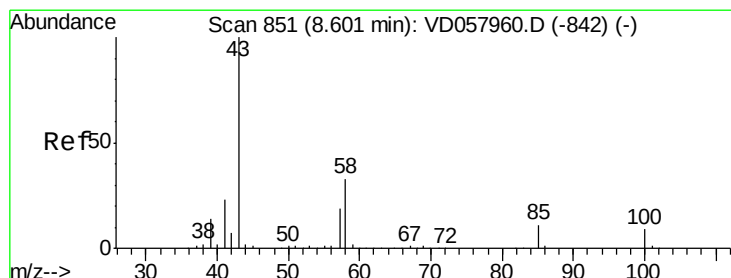
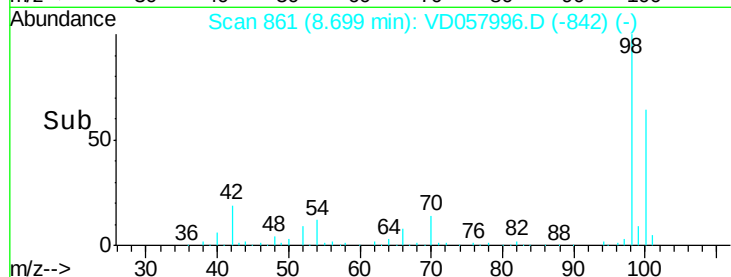
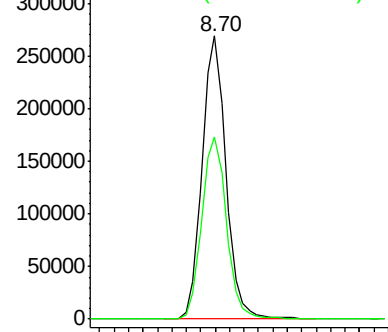
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD057996.D
Acq: 8 Jun 2018 4:32

Instrument :
MSVOA_D
ClientSampleId :
MH-33(0-5)

Tgt Ion: 98 Resp: 617890
Ion Ratio Lower Upper
98 100
100 64.3 53.4 80.0

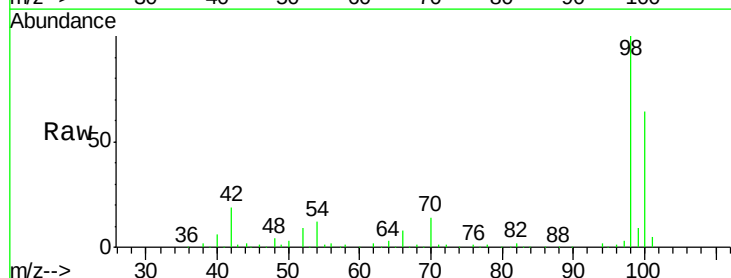


Abundance Ion 98.05 (97.75 to 98.75): VD057996.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD057996.D (-855) (-)

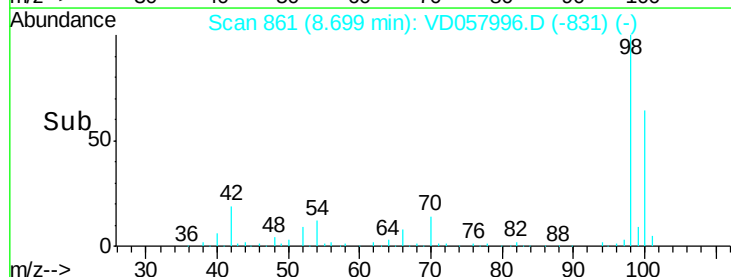
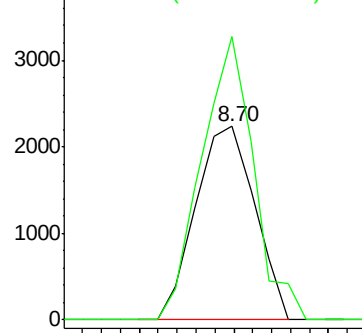


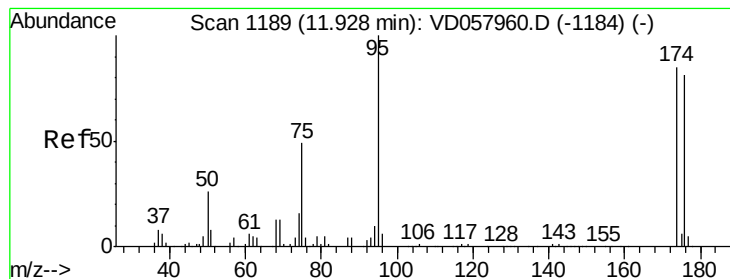
#51
4-Methyl-2-Pentanone
Concen: 1.109 ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.10 min
Lab File: VD057996.D
Acq: 8 Jun 2018 4:32

Tgt Ion: 43 Resp: 4857
Ion Ratio Lower Upper
43 100
58 146.3 26.2 39.4#



Abundance Ion 42.95 (42.65 to 43.65): VD057996.D (-831) (-)
Ion 57.95 (57.65 to 58.65): VD057996.D (-831) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD057996.D

Acq: 8 Jun 2018 4:32

Instrument :

MSVOA_D

ClientSampleId :

MH-33(0-5)

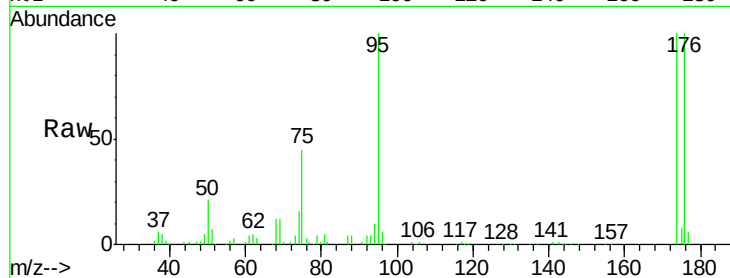
Tgt Ion: 95 Resp: 265758

Ion Ratio Lower Upper

95 100

174 99.9 0.0 169.4

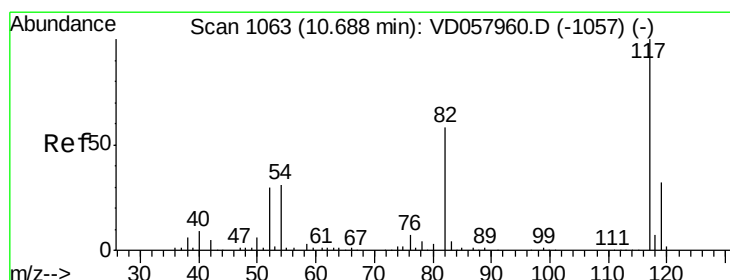
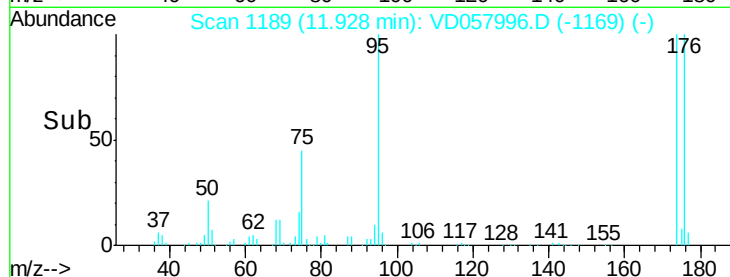
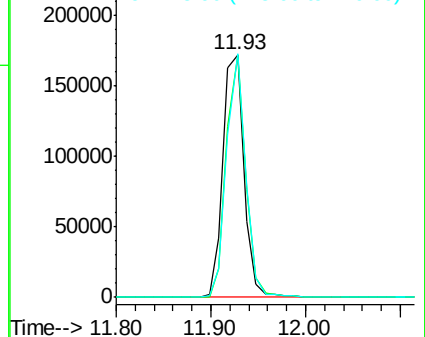
176 100.3 0.0 162.6



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. -0.01 min

Lab File: VD057996.D

Acq: 8 Jun 2018 4:32

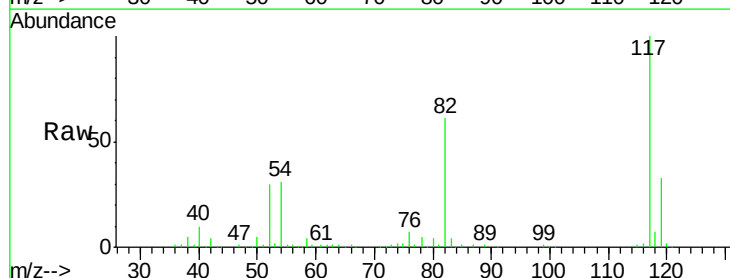
Tgt Ion: 117 Resp: 636411

Ion Ratio Lower Upper

117 100

82 61.3 46.8 70.2

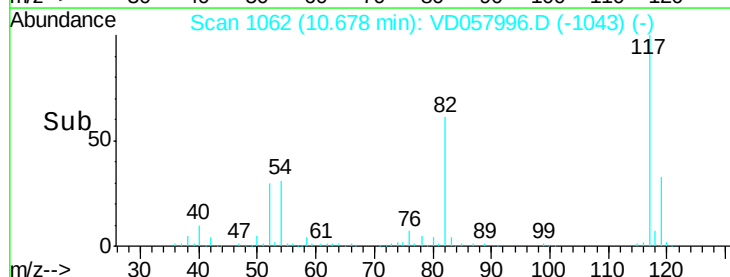
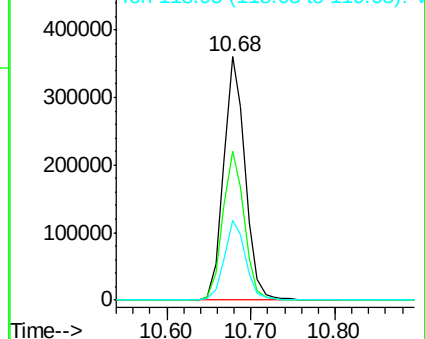
119 32.7 25.8 38.6

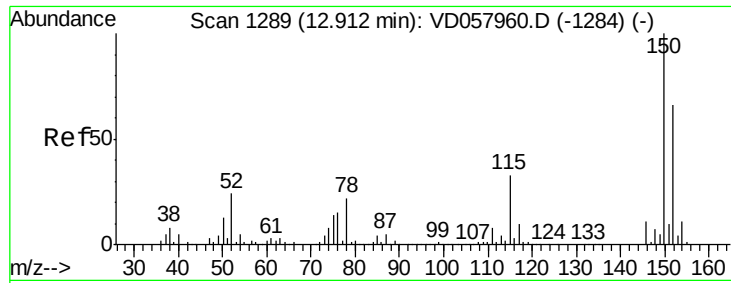


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1288

Delta R.T. -0.01 min

Lab File: VD057996.D

Acq: 8 Jun 2018 4:32

Instrument :

MSVOA_D

ClientSampleId :

MH-33(0-5)

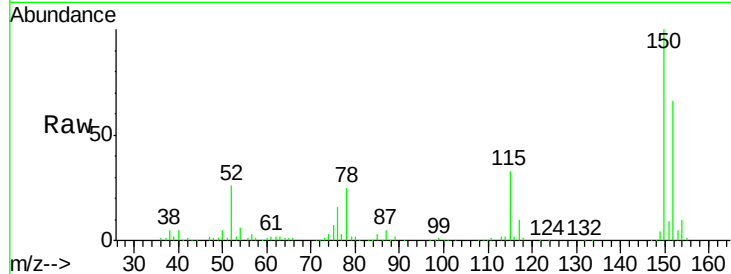
Tgt Ion: 152 Resp: 304907

Ion Ratio Lower Upper

152 100

115 50.8 25.6 76.6

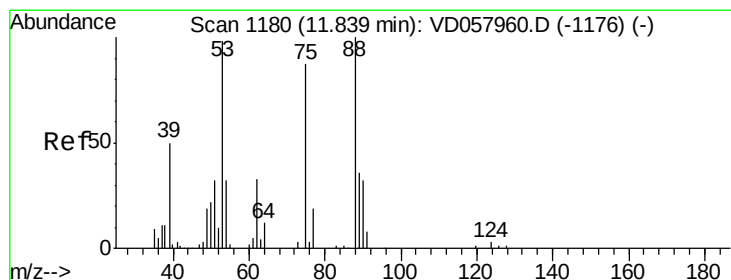
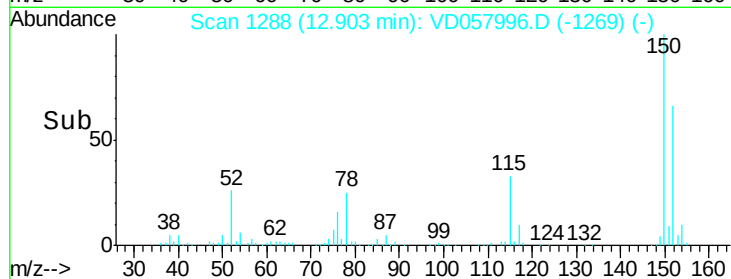
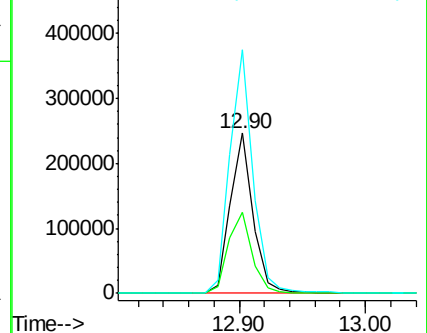
150 152.0 0.0 306.8



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: 110.815 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD057996.D

Acq: 8 Jun 2018 4:32

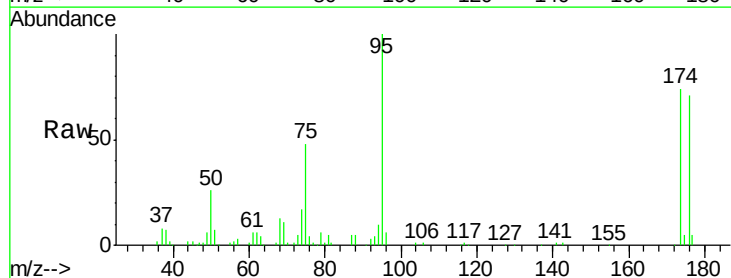
Tgt Ion: 75 Resp: 125712

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

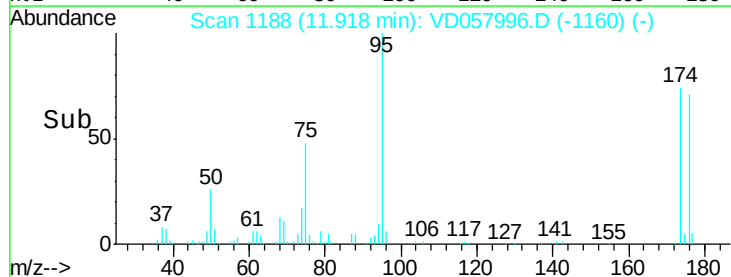
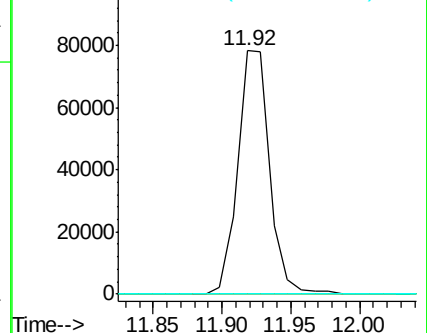
89 0.0 33.3 49.9#

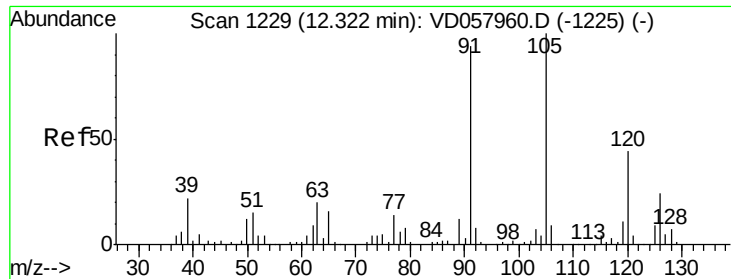


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

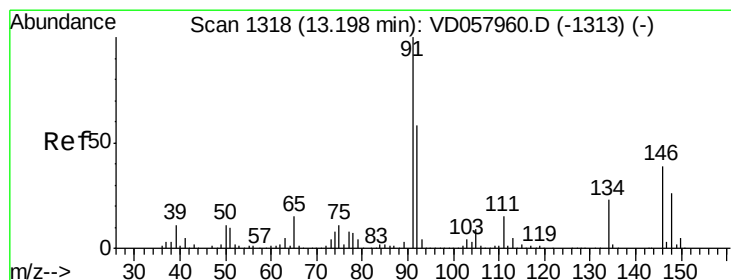
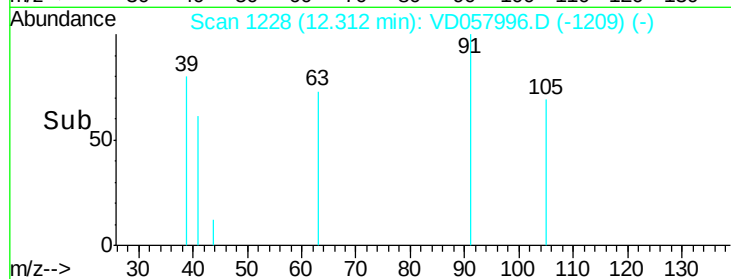
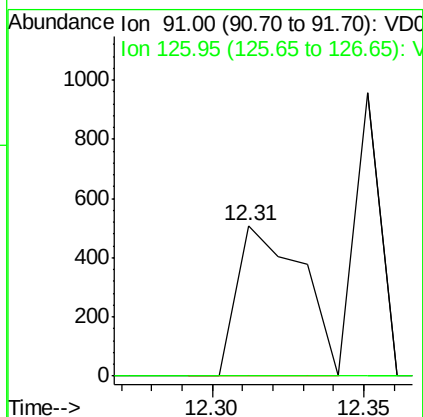
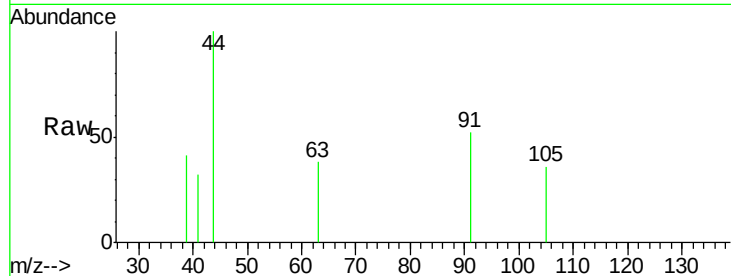




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD057996.D
Acq: 8 Jun 2018 4:32

Instrument :
MSVOA_D
ClientSampleId :
MH-33(0-5)

Tgt Ion: 91 Resp: 761
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.18 min Scan# 1316
Delta R.T. -0.02 min
Lab File: VD057996.D
Acq: 8 Jun 2018 4:32

Tgt Ion: 91 Resp: 282
Ion Ratio Lower Upper
91 100
92 65.3 29.2 87.6
134 0.0 11.3 33.9#

