

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD058000.D
 Acq On : 8 Jun 2018 6:25
 Operator : JC/SY
 Sample : J3329-09RE
 Misc : 5.99g/5ml/MSVOA_D/SOIL
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-37(0-5)RE

Quant Time: Jun 08 08:46:22 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	5.65	168	249085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	402234	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	369468	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	183986	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	213571	85.76	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	171.52%	
35) Dibromofluoromethane	5.55	113	173035	55.60	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.20%	
50) Toluene-d8	8.70	98	315245	42.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	85.22%	
62) 4-Bromofluorobenzene	11.92	95	158630	49.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.30%	

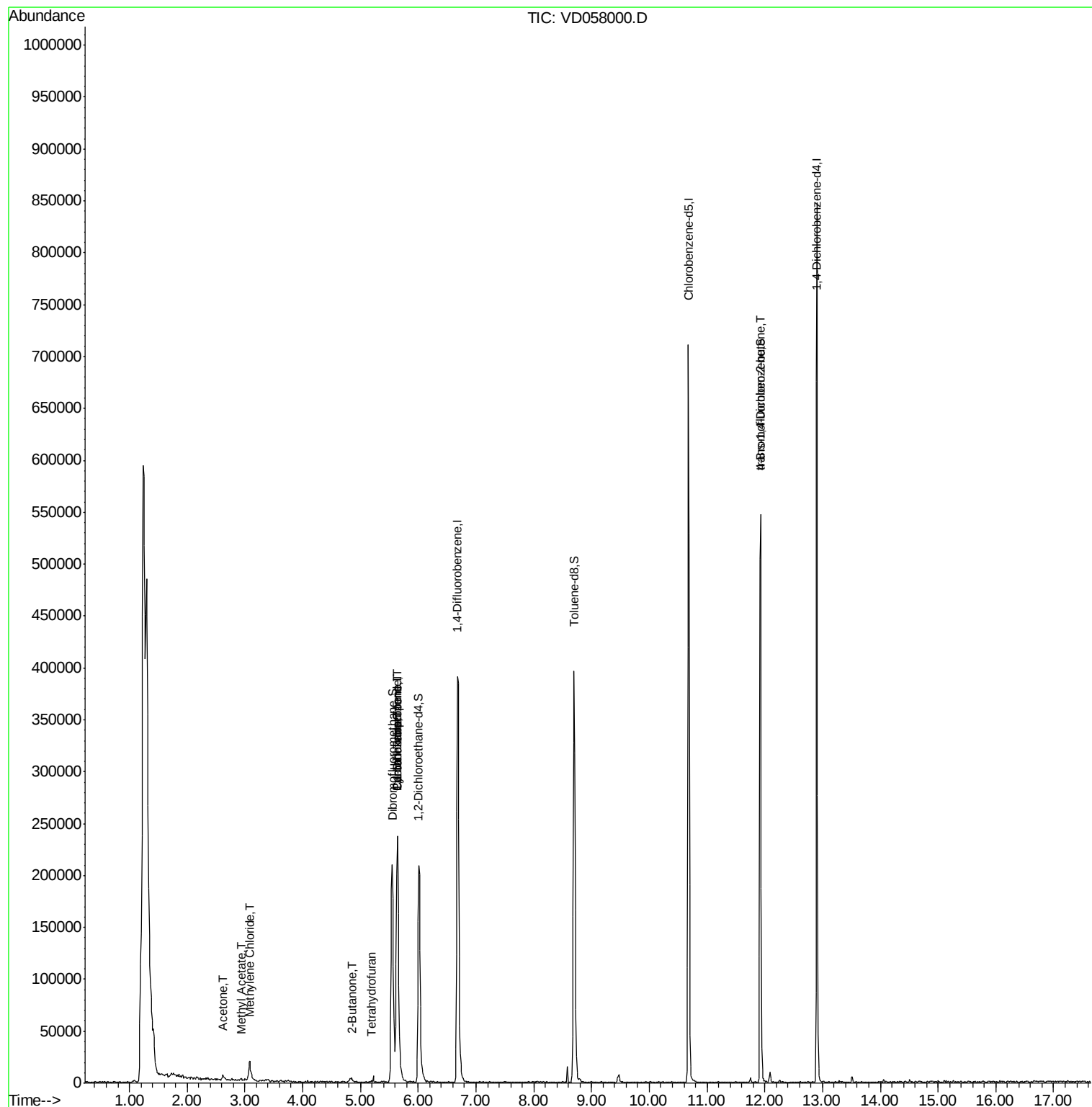
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.61	43	11151	31.081	ug/l	92
18) Methyl Acetate	2.95	43	1921	2.768	ug/l #	66
20) Methylene Chloride	3.08	84	10806	5.647	ug/l	91
25) 2-Butanone	4.84	43	1047	1.284	ug/l #	64
29) Tetrahydrofuran	5.19	42	1245	2.913	ug/l #	39
31) Cyclohexane	5.63	56	6714	1.551	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	21755	4.909	ug/l #	54
38) Carbon Tetrachloride	5.64	117	19191	4.394	ug/l #	12
81) trans-1,4-Dichloro-2-buten	11.92	75	75999	111.023	ug/l #	6
82) 4-Chlorotoluene	12.32	91	204	Below Cal	#	50

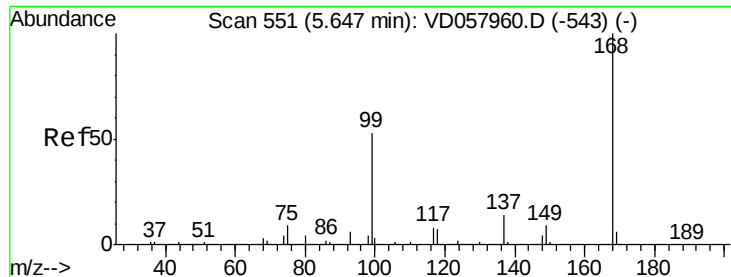
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD058000.D

Acq: 8 Jun 2018 6:25

Instrument :

MSVOA_D

ClientSampleId :

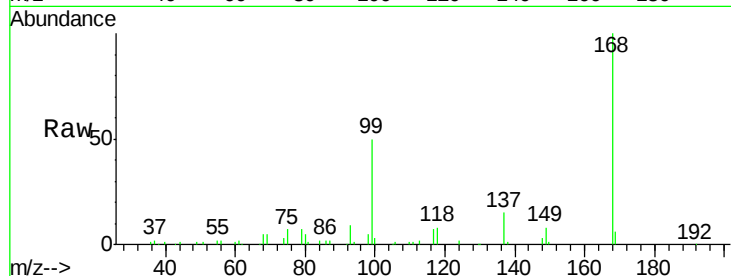
MH-37(0-5)RE

Tgt Ion:168 Resp: 249085

Ion Ratio Lower Upper

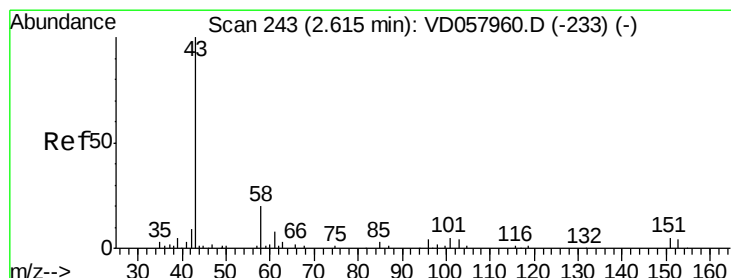
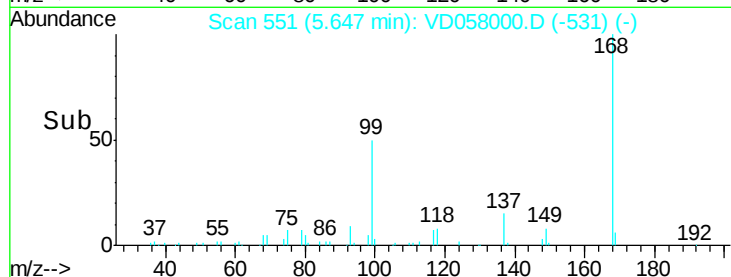
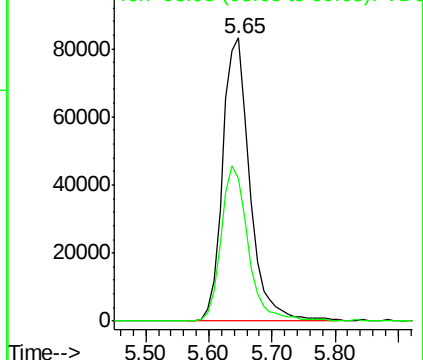
168 100

99 50.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 31.081 ug/l

RT: 2.61 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD058000.D

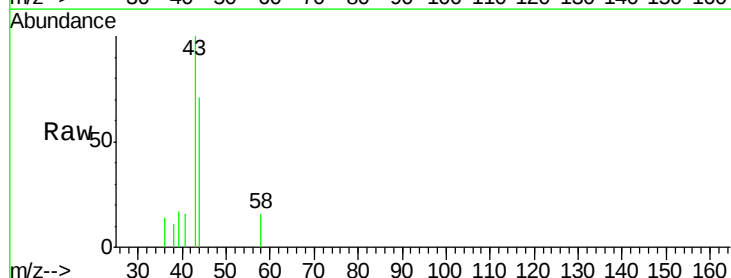
Acq: 8 Jun 2018 6:25

Tgt Ion: 43 Resp: 11151

Ion Ratio Lower Upper

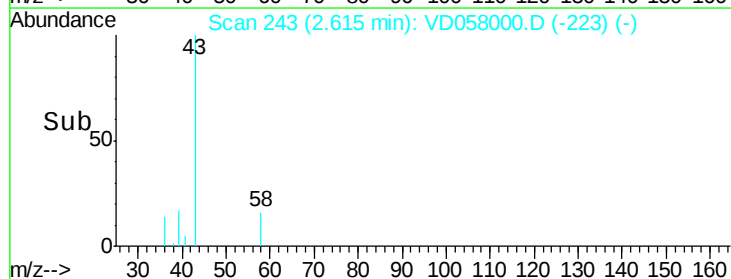
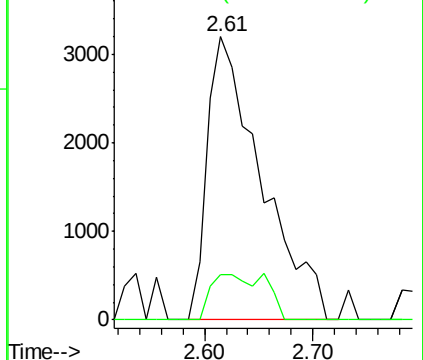
43 100

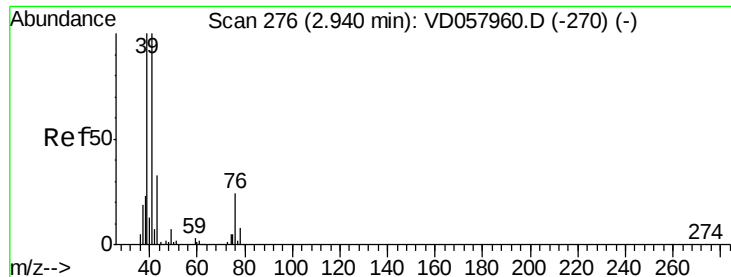
58 16.0 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

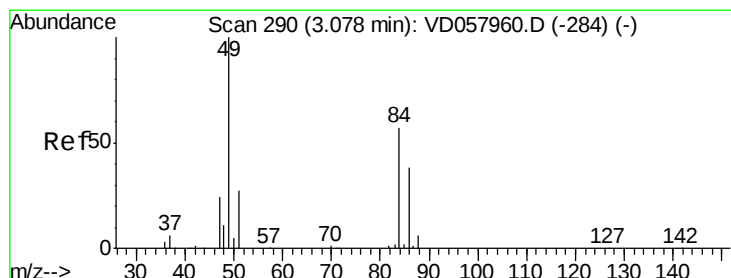
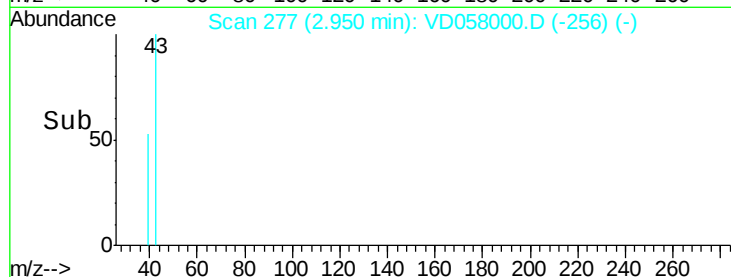
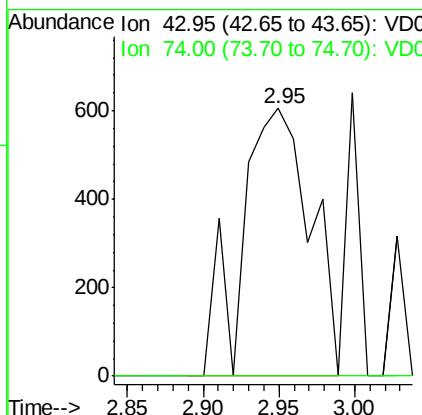
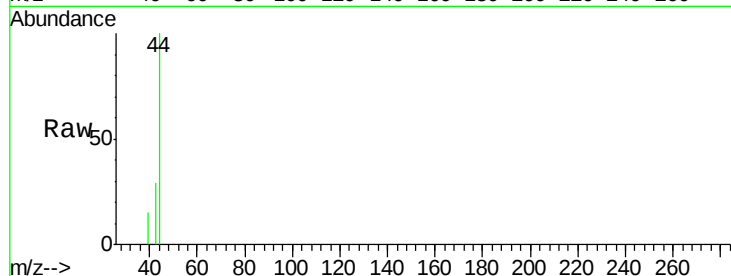




#18
Methyl Acetate
Concen: 2.768 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.01 min
Lab File: VD058000.D
Acq: 8 Jun 2018 6:25

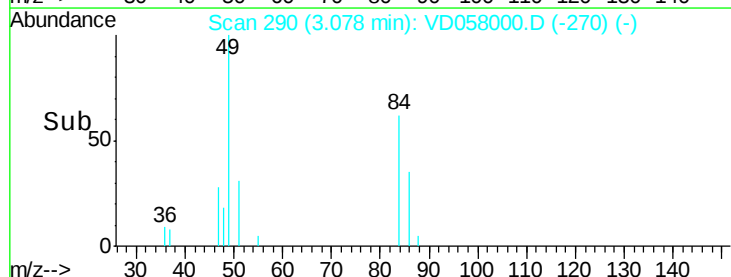
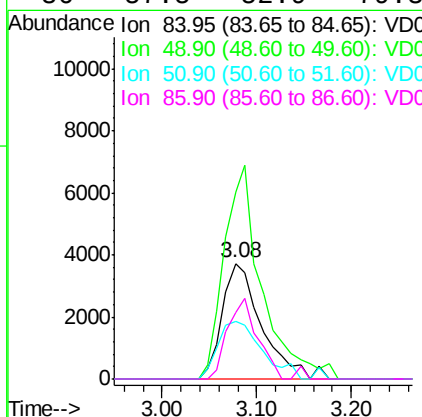
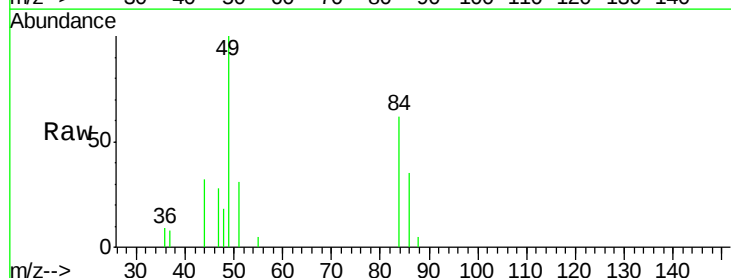
Instrument :
MSVOA_D
ClientSampleId :
MH-37(0-5)RE

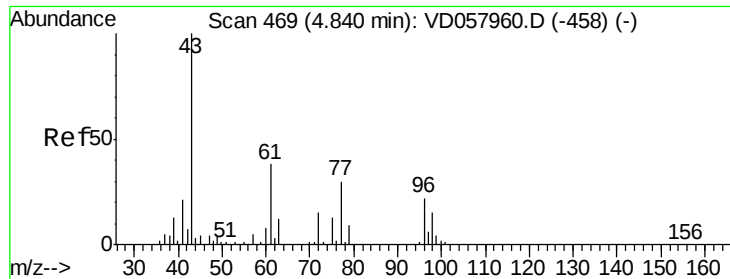
Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#20
Methylene Chloride
Concen: 5.647 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD058000.D
Acq: 8 Jun 2018 6:25

Tgt Ion: 84 Resp: 10806
Ion Ratio Lower Upper
84 100
49 162.1 141.4 212.0
51 49.5 38.3 57.5
86 57.5 52.9 79.3





#25

2-Butanone

Concen: 1.284 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058000.D

Acq: 8 Jun 2018 6:25

Instrument :

MSVOA_D

ClientSampleId :

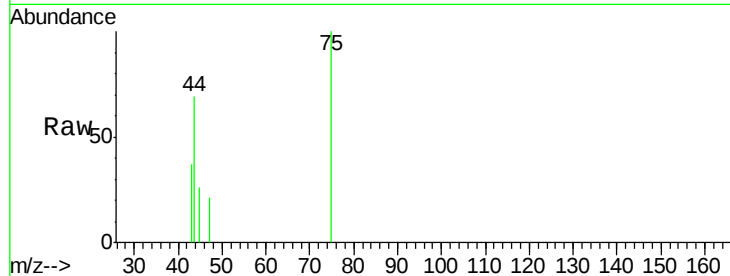
MH-37(0-5)RE

Tgt Ion: 43 Resp: 1047

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

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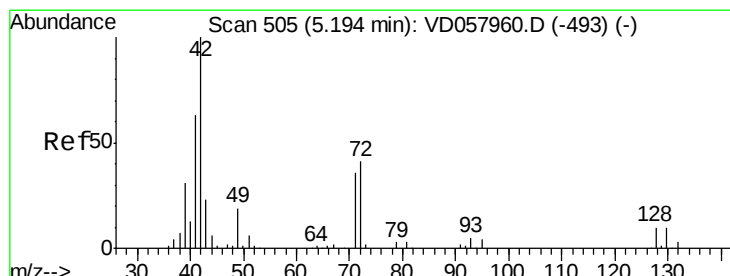
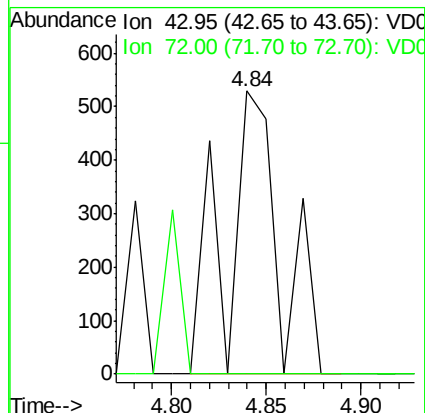
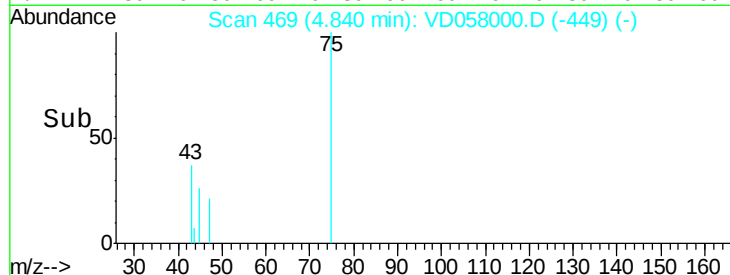
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#29

Tetrahydrofuran

Concen: 2.913 ug/l

RT: 5.19 min Scan# 505

Delta R.T. -0.00 min

Lab File: VD058000.D

Acq: 8 Jun 2018 6:25

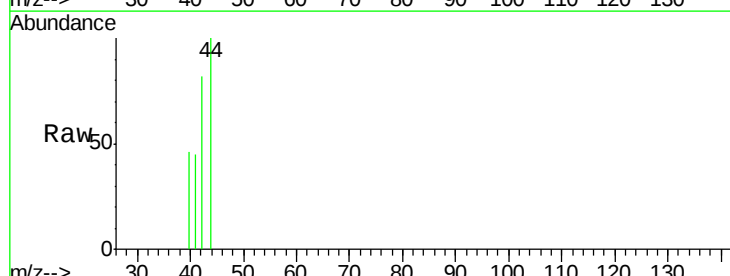
Tgt Ion: 42 Resp: 1245

Ion Ratio Lower Upper

42 100

72 0.0 28.5 42.7#

71 0.0 27.9 41.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

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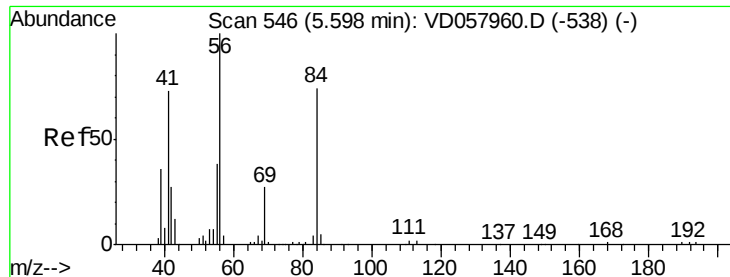
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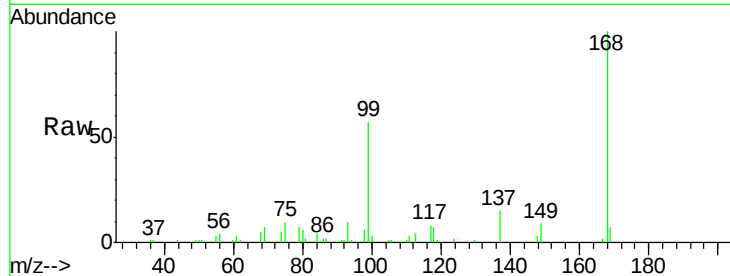
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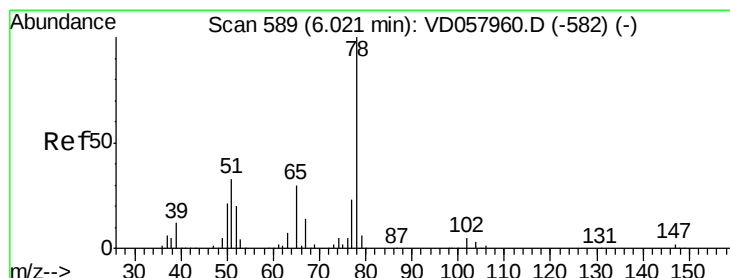
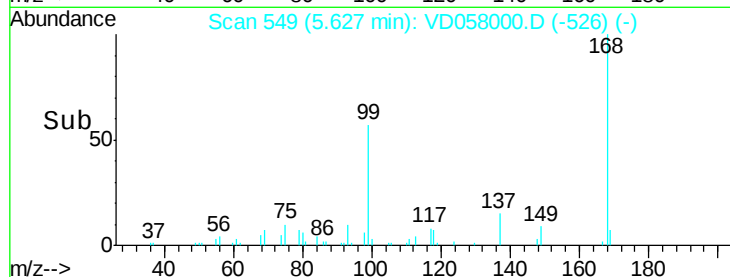
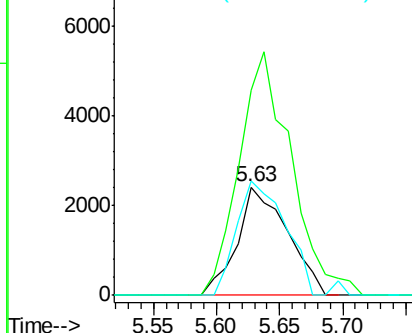
#31
Cyclohexane
Concen: 1.551 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD058000.D
Acq: 8 Jun 2018 6:25

Instrument :
MSVOA_D
ClientSampleId :
MH-37(0-5)RE

Tgt Ion: 56 Resp: 6714
Ion Ratio Lower Upper
56 100
69 188.9 21.5 32.3#
84 105.3 61.0 91.6#

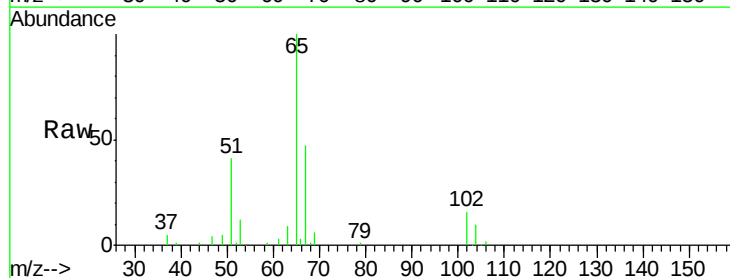


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

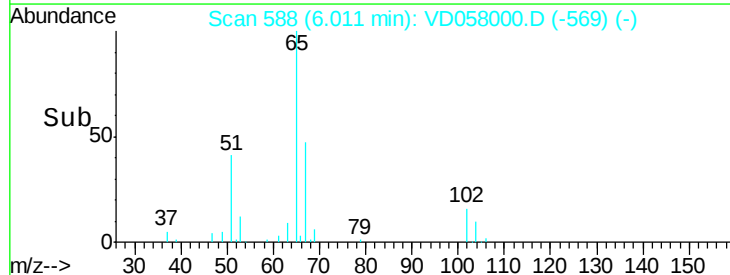
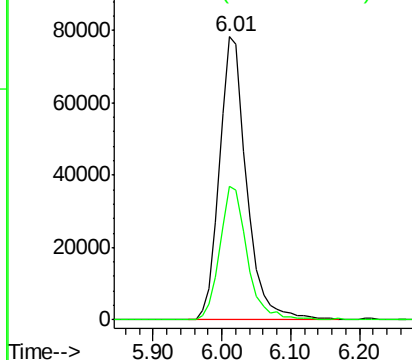


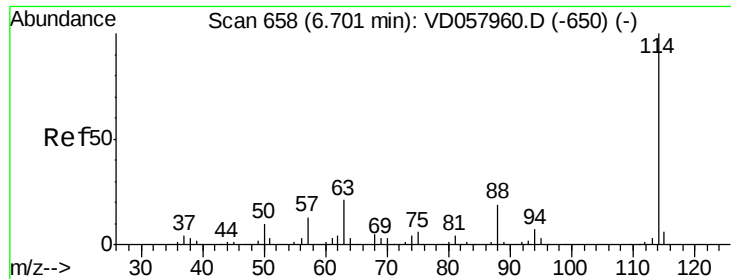
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD058000.D
Acq: 8 Jun 2018 6:25

Tgt Ion: 65 Resp: 213571
Ion Ratio Lower Upper
65 100
67 47.2 0.0 94.0



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

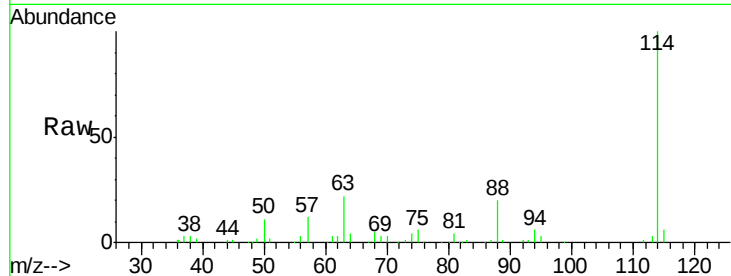




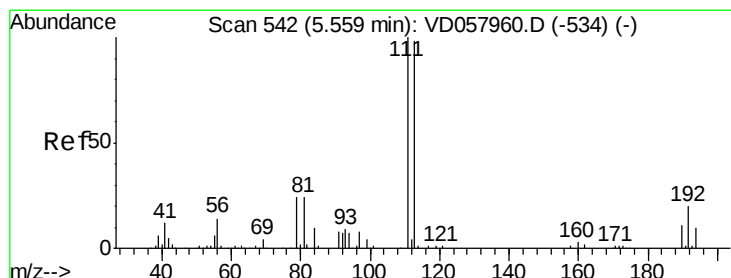
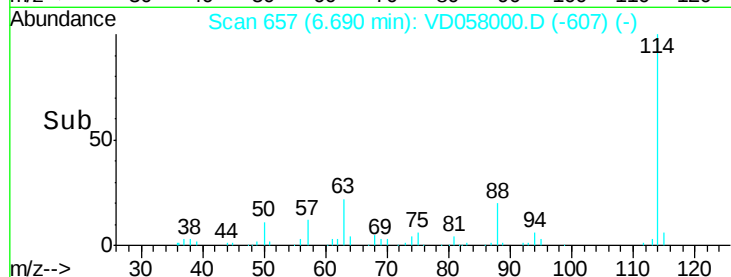
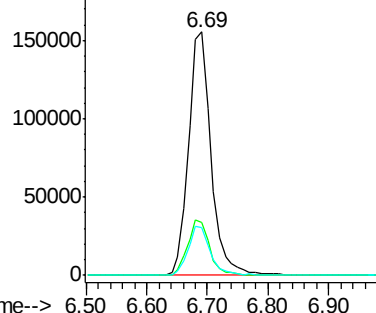
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.69 min Scan# 657
Delta R.T. -0.01 min
Lab File: VD058000.D
Acq: 8 Jun 2018 6:25

Instrument :
MSVOA_D
ClientSampleId :
MH-37(0-5)RE

Tgt Ion:114 Resp: 402234
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.8
88 19.7 0.0 37.8

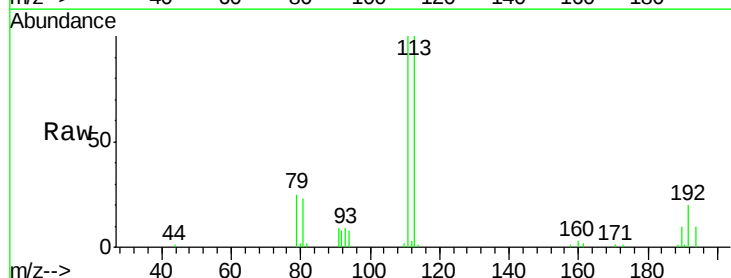


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC

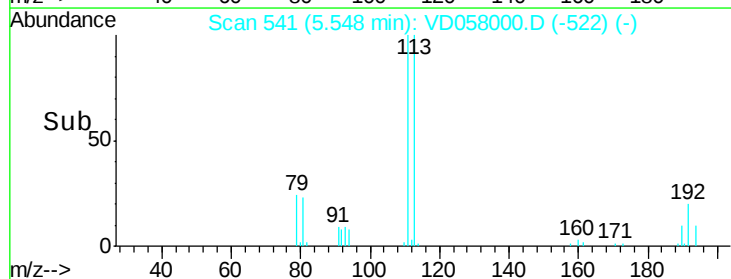
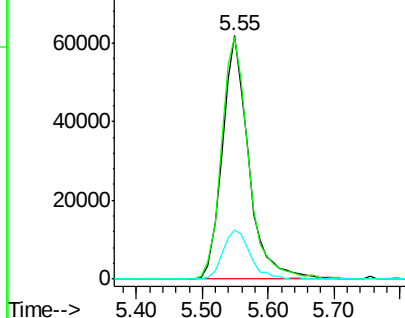


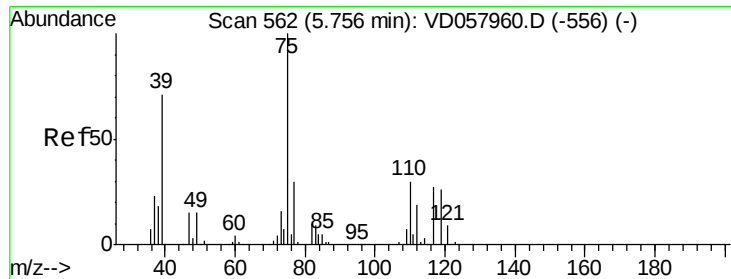
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.01 min
Lab File: VD058000.D
Acq: 8 Jun 2018 6:25

Tgt Ion:113 Resp: 173035
Ion Ratio Lower Upper
113 100
111 99.5 81.5 122.3
192 20.4 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: 4.909 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.12 min

Lab File: VD058000.D

Acq: 8 Jun 2018 6:25

Instrument :

MSVOA_D

ClientSampleId :

MH-37(0-5)RE

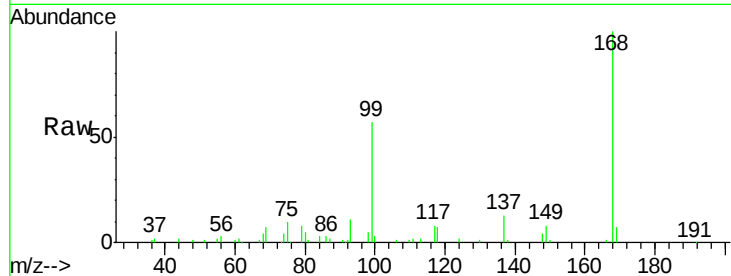
Tgt Ion: 75 Resp: 21755

Ion Ratio Lower Upper

75 100

110 9.9 14.8 44.3#

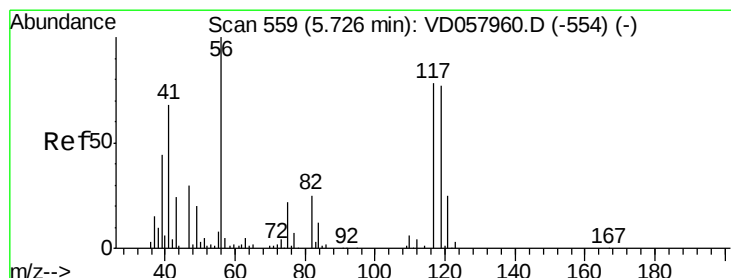
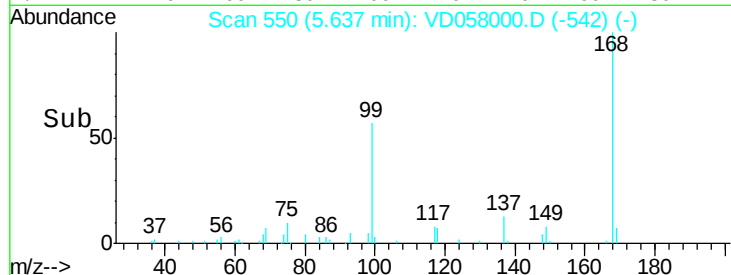
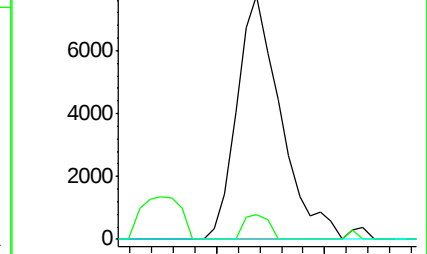
77 0.0 23.9 35.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 4.394 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD058000.D

Acq: 8 Jun 2018 6:25

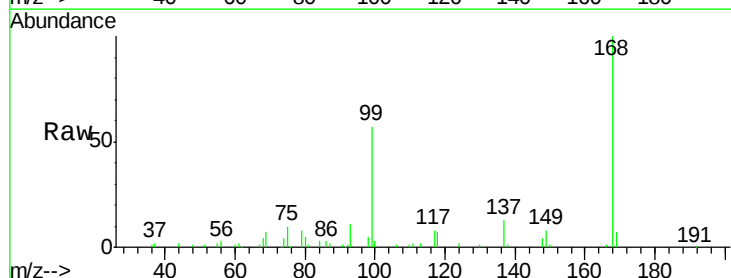
Tgt Ion: 117 Resp: 19191

Ion Ratio Lower Upper

117 100

119 0.0 76.1 114.1#

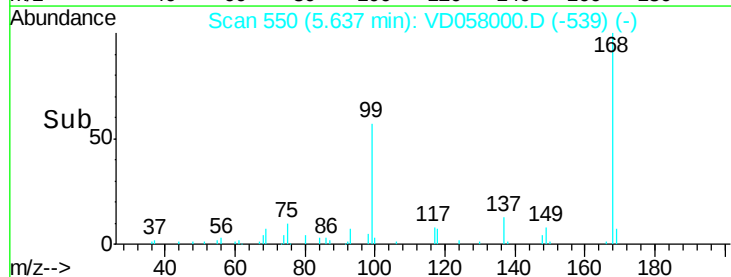
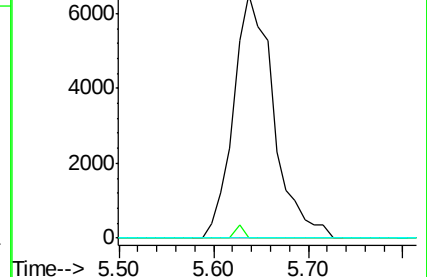
121 0.0 24.9 37.3#

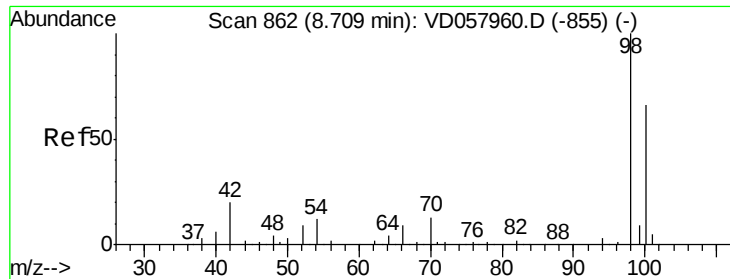


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058000.D

Acq: 8 Jun 2018 6:25

Instrument :

MSVOA_D

ClientSampleId :

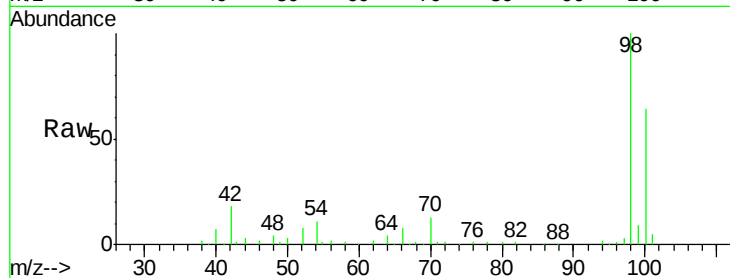
MH-37(0-5)RE

Tgt Ion: 98 Resp: 315245

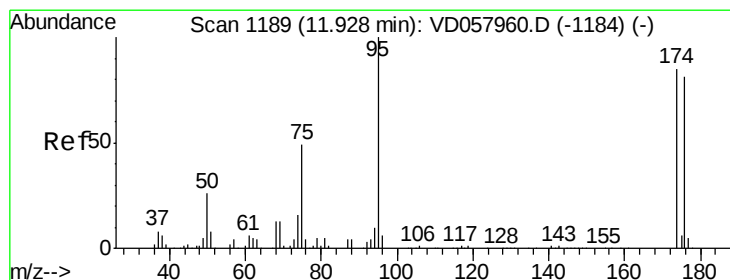
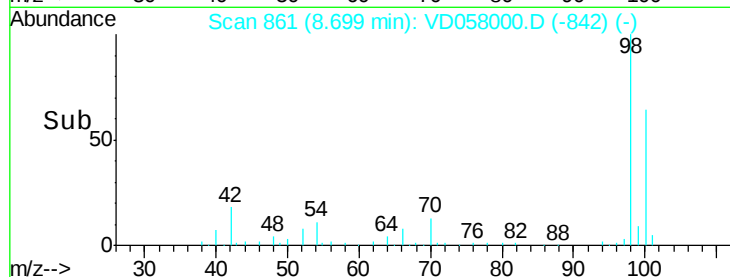
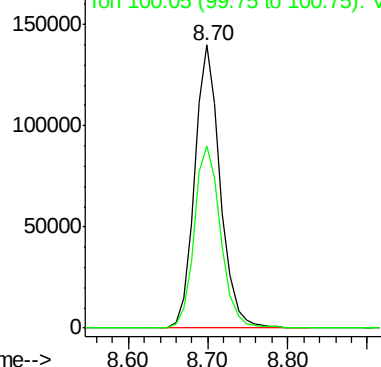
Ion Ratio Lower Upper

98 100

100 64.4 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058000.D

Acq: 8 Jun 2018 6:25

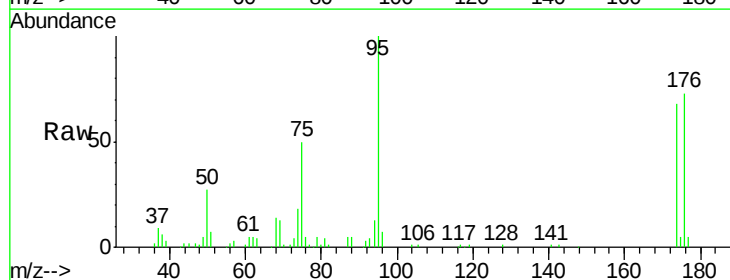
Tgt Ion: 95 Resp: 158630

Ion Ratio Lower Upper

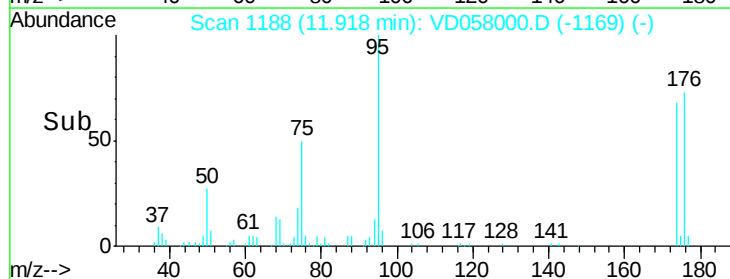
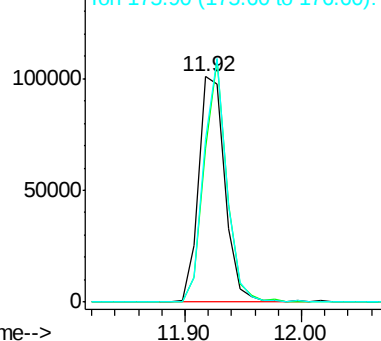
95 100

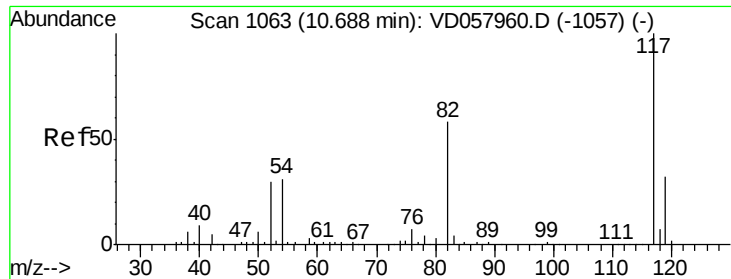
174 68.2 0.0 169.4

176 72.6 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD057960.D (-1184) (-)

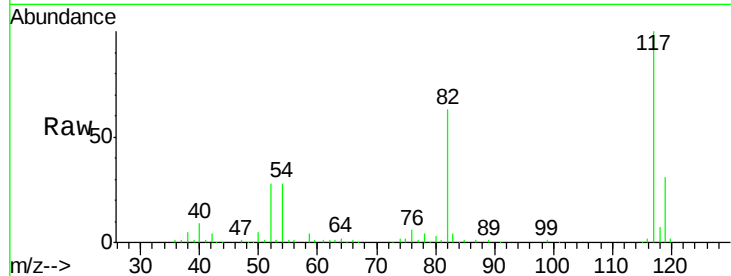




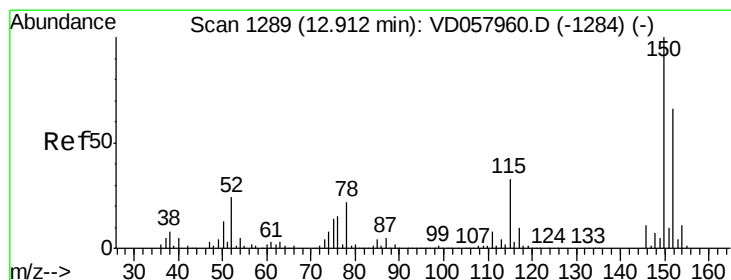
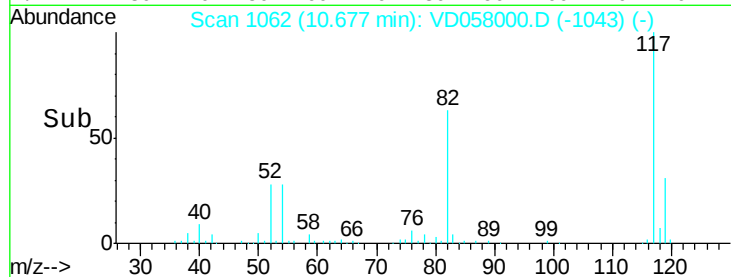
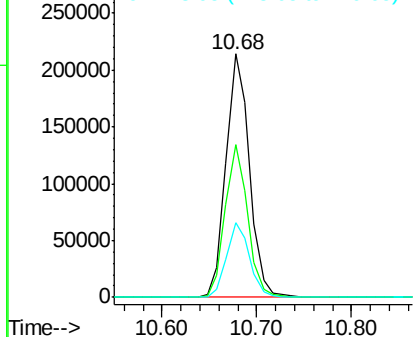
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058000.D
Acq: 8 Jun 2018 6:25

Instrument :
MSVOA_D
ClientSampleId :
MH-37(0-5)RE

Tgt Ion:117 Resp: 369468
Ion Ratio Lower Upper
117 100
82 62.7 46.8 70.2
119 30.6 25.8 38.6

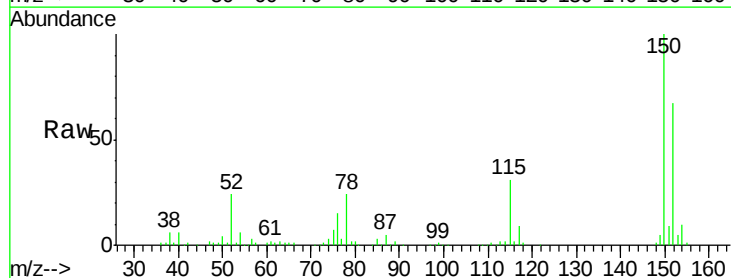


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

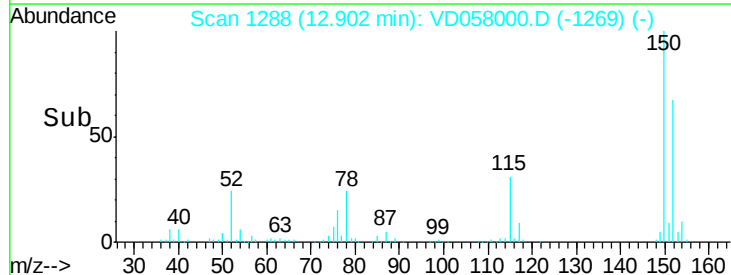
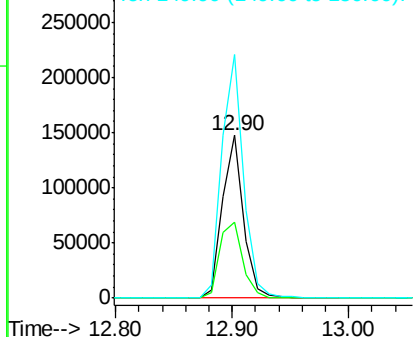


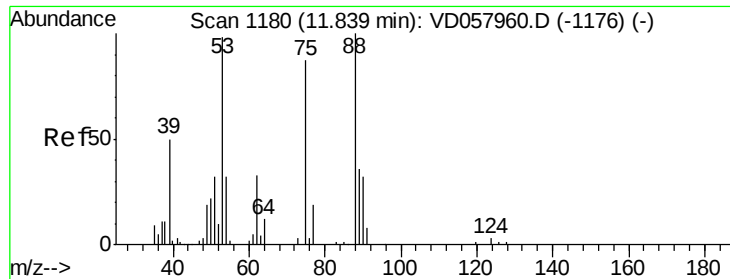
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058000.D
Acq: 8 Jun 2018 6:25

Tgt Ion:152 Resp: 183986
Ion Ratio Lower Upper
152 100
115 47.0 25.6 76.6
150 149.7 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: 111.023 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058000.D

Acq: 8 Jun 2018 6:25

Instrument :

MSVOA_D

ClientSampleId :

MH-37(0-5)RE

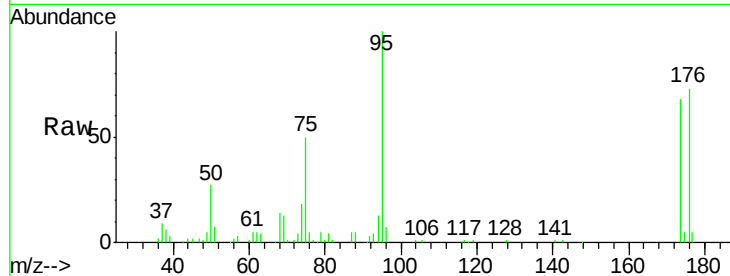
Tgt Ion: 75 Resp: 75999

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

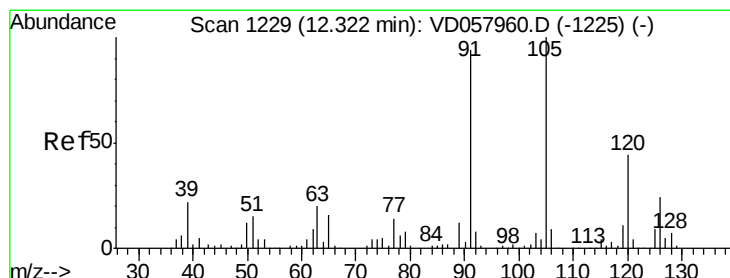
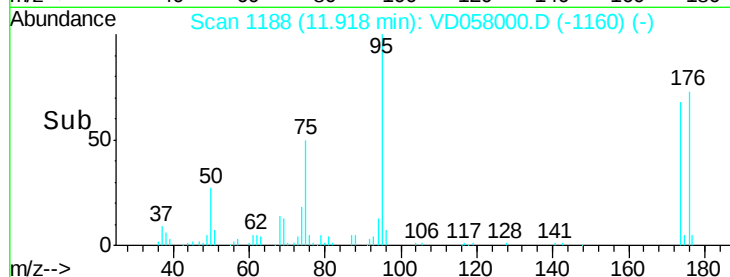
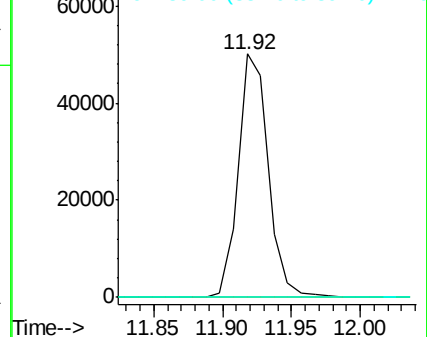
89 0.0 33.3 49.9#



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# 1229

Delta R.T. 0.00 min

Lab File: VD058000.D

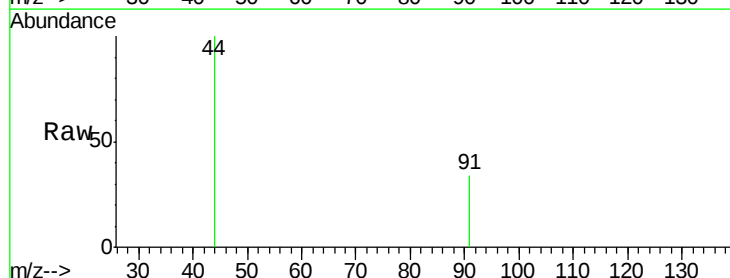
Acq: 8 Jun 2018 6:25

Tgt Ion: 91 Resp: 204

Ion Ratio Lower Upper

91 100

126 0.0 12.5 37.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

