

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057998.D
 Acq On : 8 Jun 2018 5:29
 Operator : JC/SY
 Sample : J3329-07RE
 Misc : 6.24g/5ml/MSVOA_D/SOIL
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-35(0-5)RE

Quant Time: Jun 08 06:55:32 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	5.63	168	8913	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	17834	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	16591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	9690	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	9532	106.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	213.94%	
35) Dibromofluoromethane	5.55	113	6651	48.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.40%	
50) Toluene-d8	8.70	98	13340	40.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.32%	
62) 4-Bromofluorobenzene	11.93	95	8131	56.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.64%	

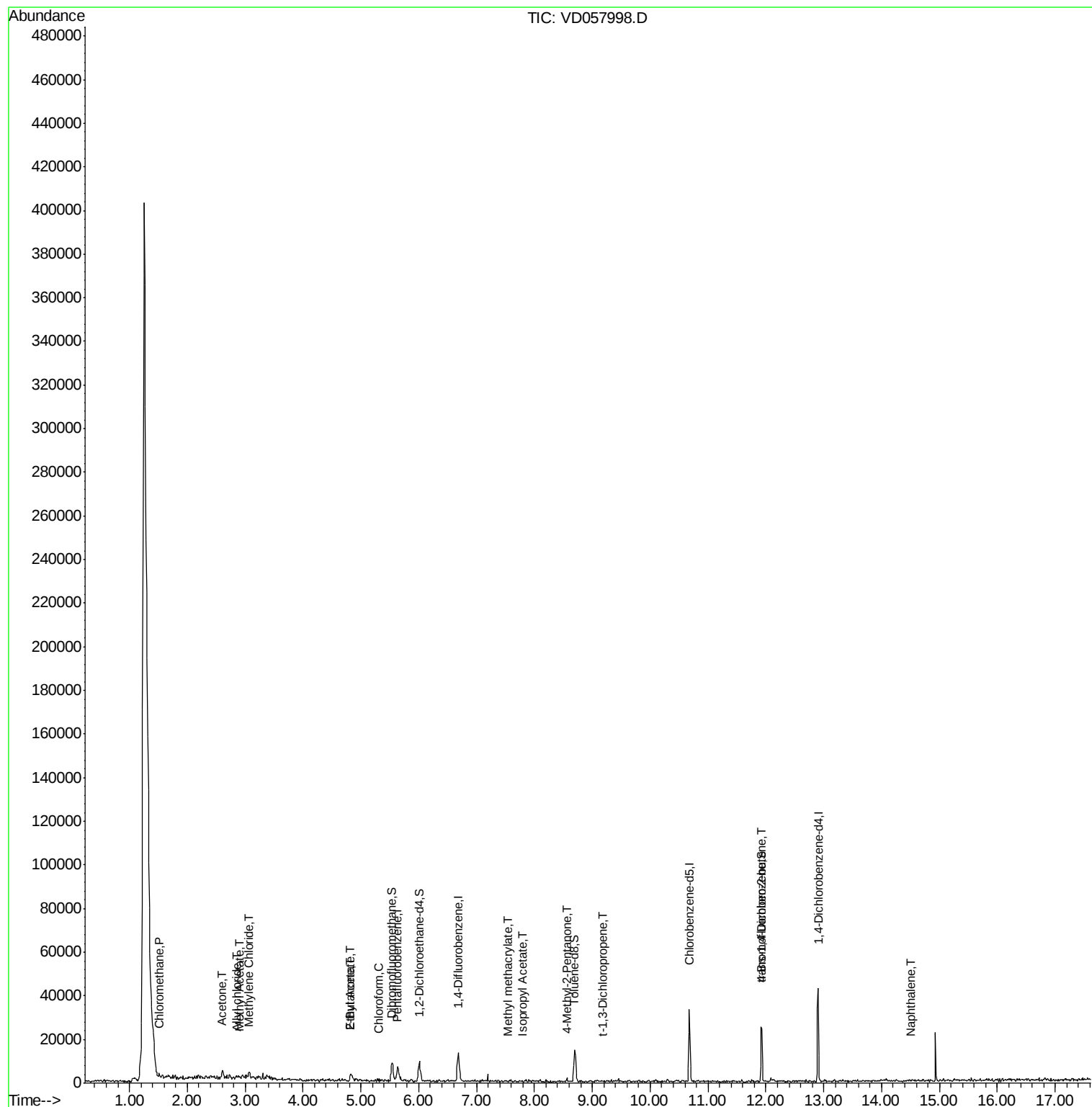
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.51	50	181	3.072	ug/l #	41
14) Allyl chloride	2.85	41	502	6.088	ug/l #	75
16) Acetone	2.61	43	5105	397.646	ug/l	93
18) Methyl Acetate	2.91	43	782	31.488	ug/l #	66
20) Methylene Chloride	3.07	84	755	19.567	ug/l #	72
25) 2-Butanone	4.83	43	582	19.948	ug/l #	64
30) Chloroform	5.31	83	251	1.389	ug/l #	18
37) Ethyl Acetate	4.83	43	582	5.429	ug/l #	72
43) Isopropyl Acetate	7.78	43	181	1.289	ug/l #	50
48) Methyl methacrylate	7.54	41	205	2.372	ug/l #	20
51) 4-Methyl-2-Pentanone	8.56	43	216	2.398	ug/l #	42
53) t-1,3-Dichloropropene	9.18	75	215	1.301	ug/l #	44
81) trans-1,4-Dichloro-2-buten	11.92	75	4295	119.132	ug/l #	6
95) Naphthalene	14.51	128	692	2.212	ug/l #	70

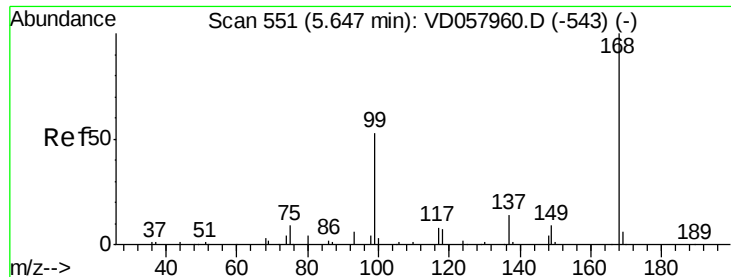
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD057998.D

Acq: 8 Jun 2018 5:29

Instrument :

MSVOA_D

ClientSampleId :

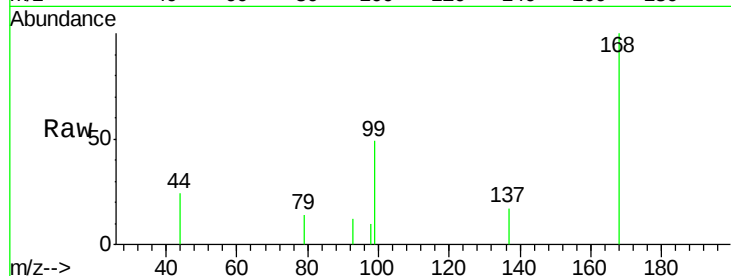
MH-35(0-5)RE

Tgt Ion: 168 Resp: 8913

Ion Ratio Lower Upper

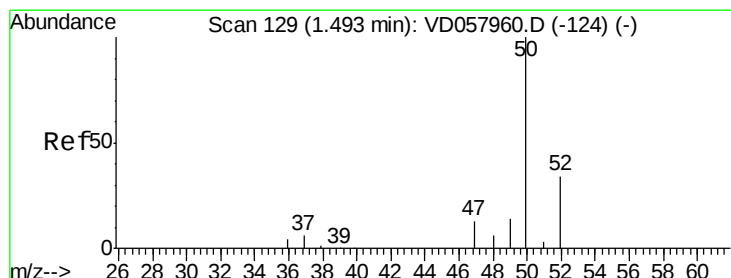
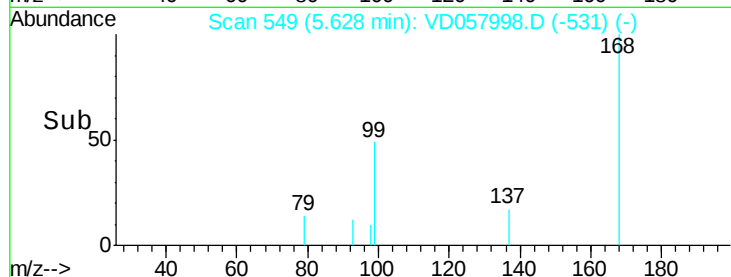
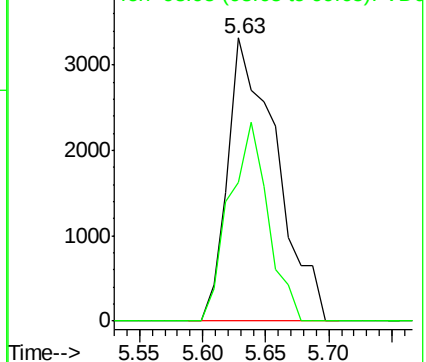
168 100

99 49.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 3.072 ug/l

RT: 1.51 min Scan# 131

Delta R.T. 0.02 min

Lab File: VD057998.D

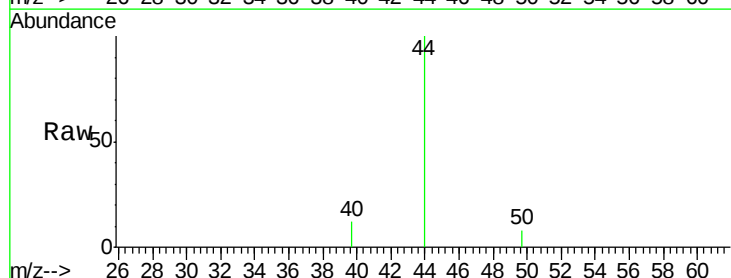
Acq: 8 Jun 2018 5:29

Tgt Ion: 50 Resp: 181

Ion Ratio Lower Upper

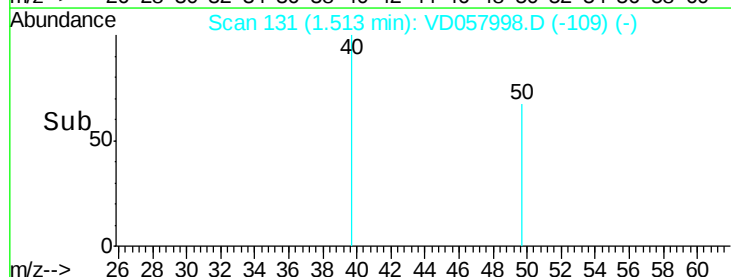
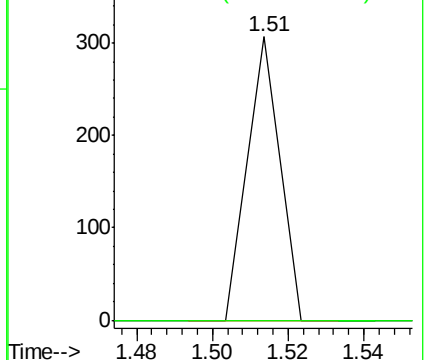
50 100

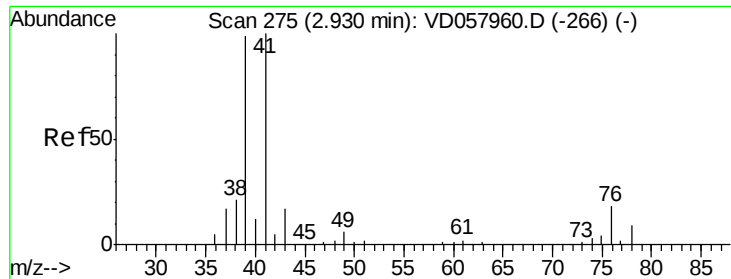
52 0.0 27.2 40.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#14

Allyl chloride

Concen: 6.088 ug/l

RT: 2.85 min Scan# 267

Delta R.T. -0.08 min

Lab File: VD057998.D

Acq: 8 Jun 2018 5:29

Instrument :

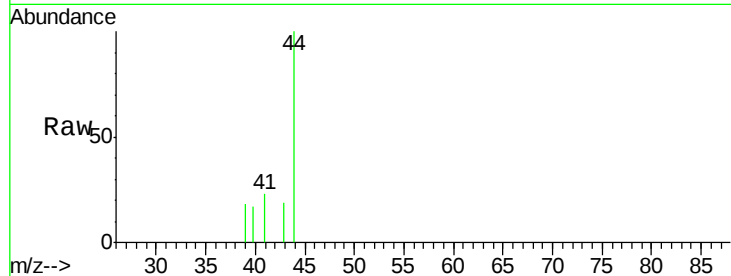
MSVOA_D

ClientSampleId :

MH-35(0-5)RE

Tgt Ion: 41 Resp: 502

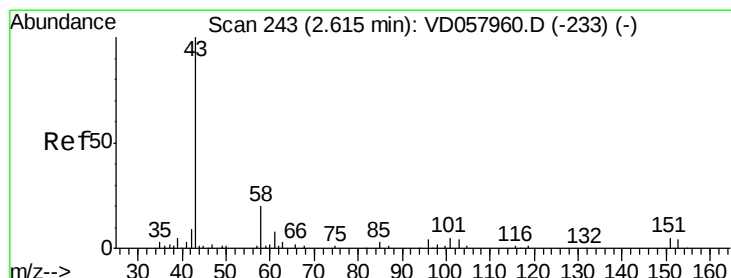
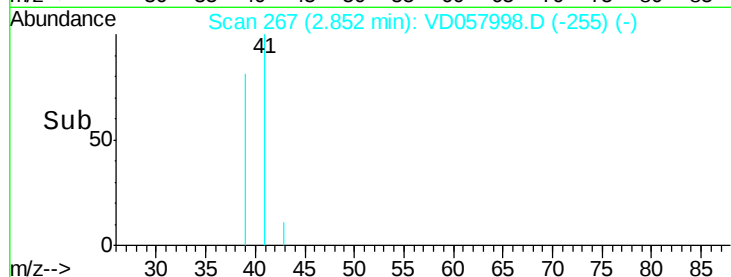
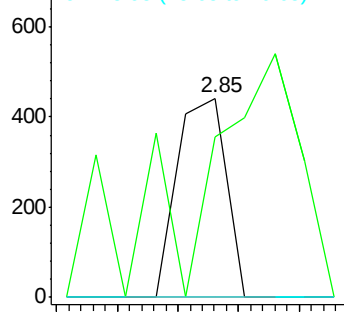
Ion	Ratio	Lower	Upper
41	100		
39	80.8	79.5	119.3
76	0.0	20.7	31.1#



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC



#16

Acetone

Concen: 397.646 ug/l

RT: 2.61 min Scan# 242

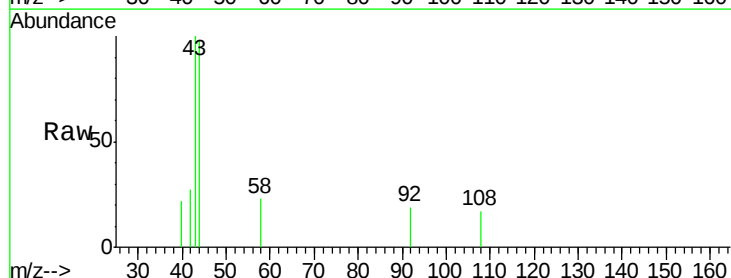
Delta R.T. -0.01 min

Lab File: VD057998.D

Acq: 8 Jun 2018 5:29

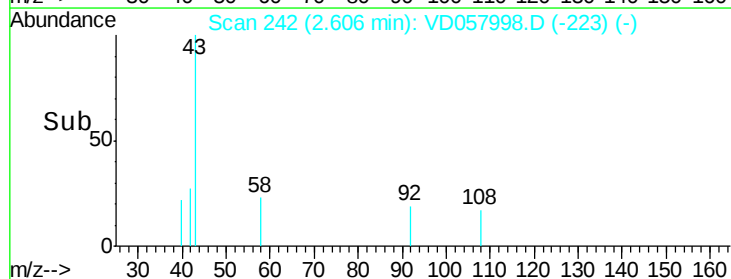
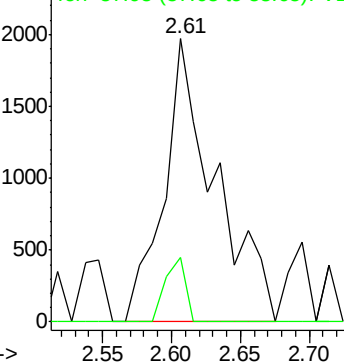
Tgt Ion: 43 Resp: 5105

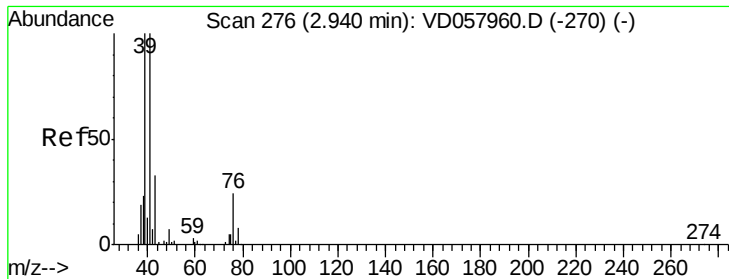
Ion	Ratio	Lower	Upper
43	100		
58	22.9	15.8	23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

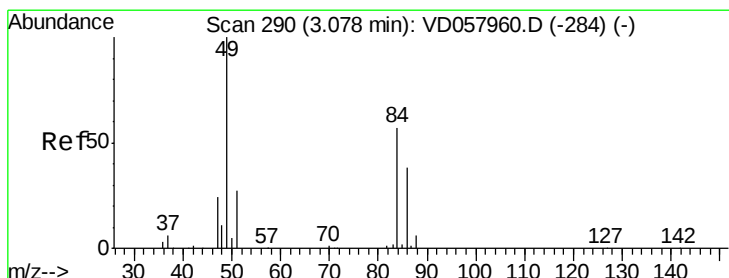
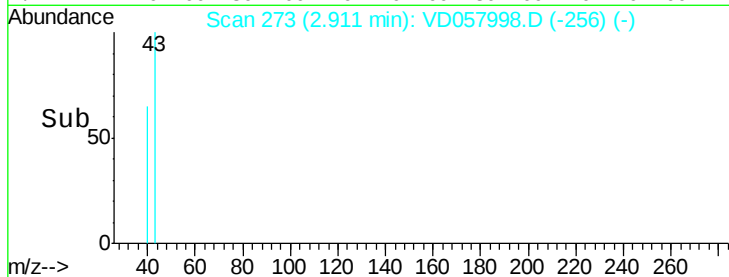
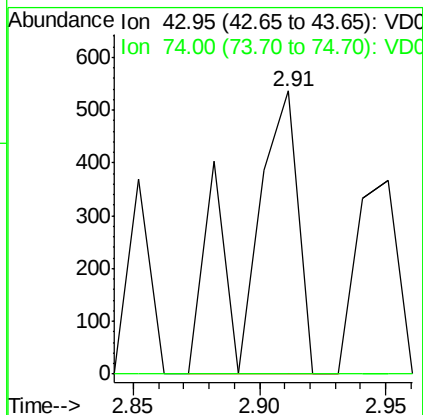
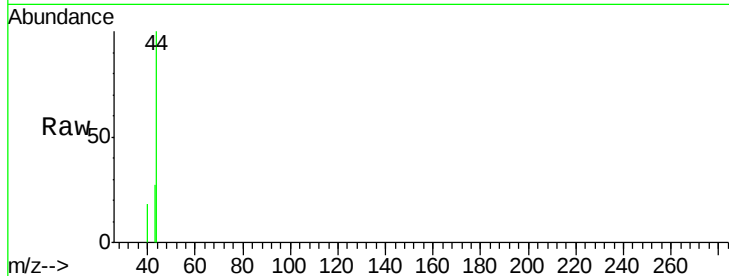




#18
Methyl Acetate
Concen: 31.488 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.03 min
Lab File: VD057998.D
Acq: 8 Jun 2018 5:29

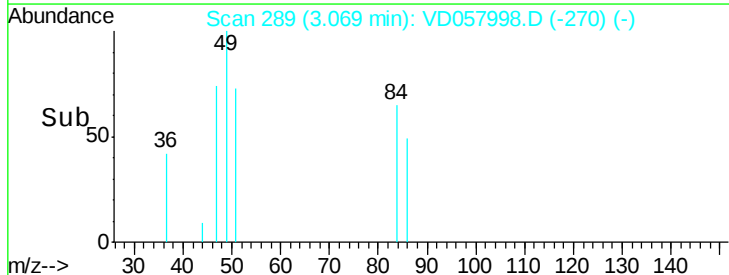
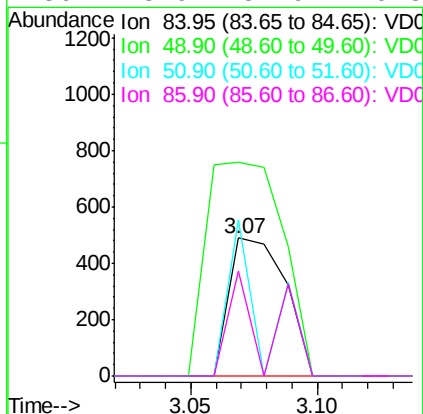
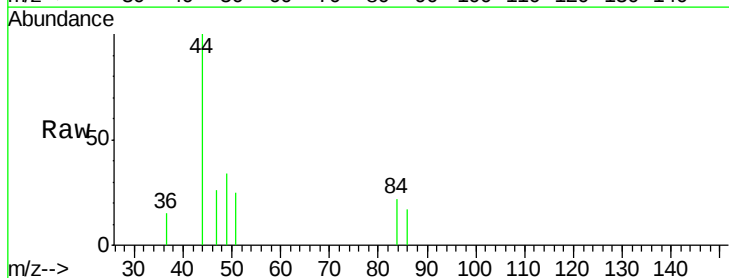
Instrument :
MSVOA_D
ClientSampleId :
MH-35(0-5)RE

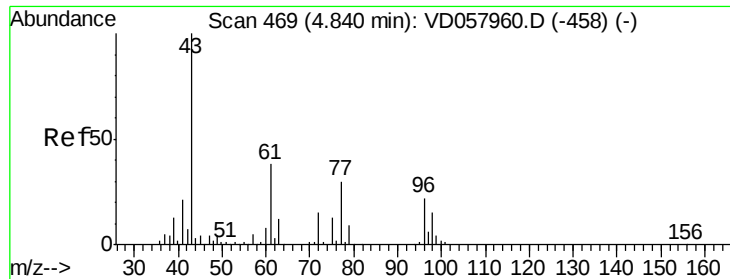
Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#20
Methylene Chloride
Concen: 19.567 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD057998.D
Acq: 8 Jun 2018 5:29

Tgt Ion: 84 Resp: 755
Ion Ratio Lower Upper
84 100
49 154.7 141.4 212.0
51 113.3 38.3 57.5#
86 75.9 52.9 79.3





#25

2-Butanone

Concen: 19.948 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD057998.D

Acq: 8 Jun 2018 5:29

Instrument :

MSVOA_D

ClientSampleId :

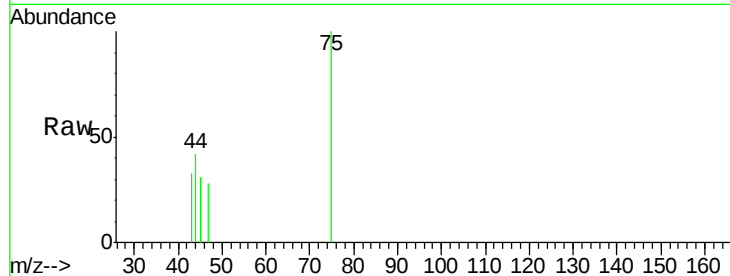
MH-35(0-5)RE

Tgt Ion: 43 Resp: 582

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

600

500

400

300

200

100

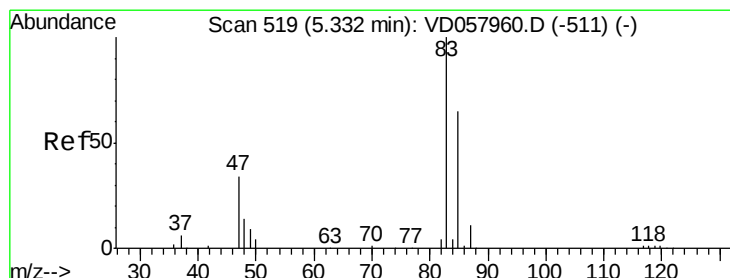
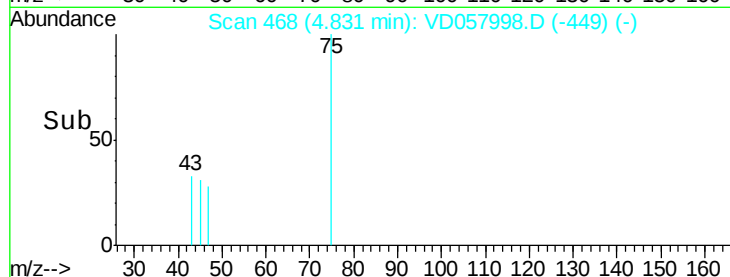
0

4.80

4.83

4.85

Time-->



#30

Chloroform

Concen: 1.389 ug/l

RT: 5.31 min Scan# 517

Delta R.T. -0.02 min

Lab File: VD057998.D

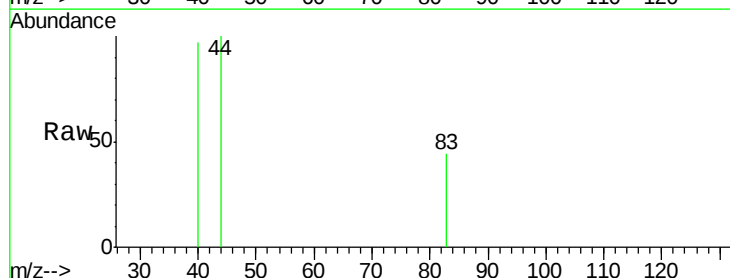
Acq: 8 Jun 2018 5:29

Tgt Ion: 83 Resp: 251

Ion Ratio Lower Upper

83 100

85 0.0 51.6 77.4#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

500

400

300

200

100

0

5.28

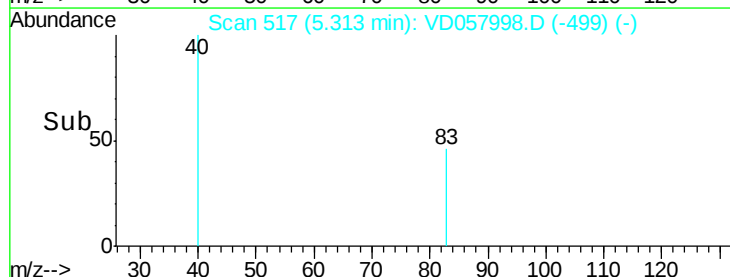
5.30

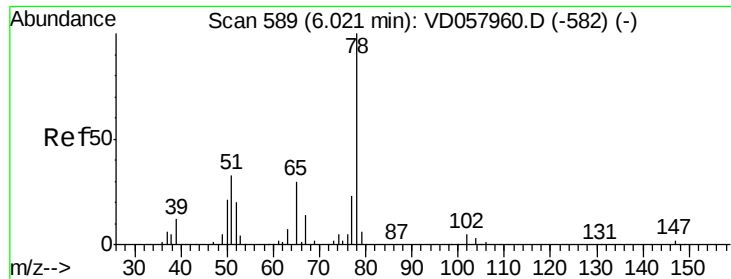
5.31

5.32

5.34

Time-->

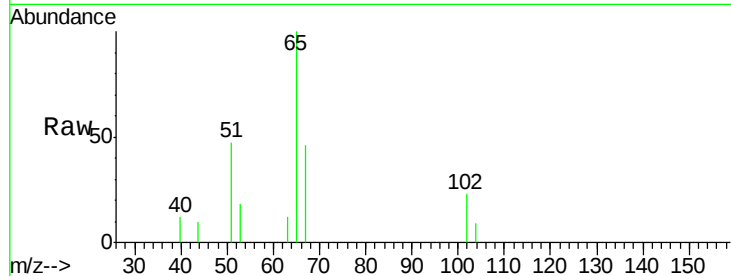




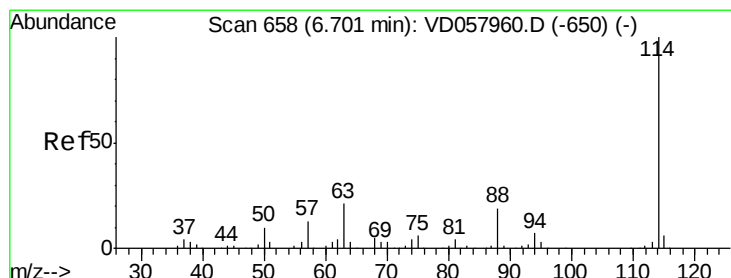
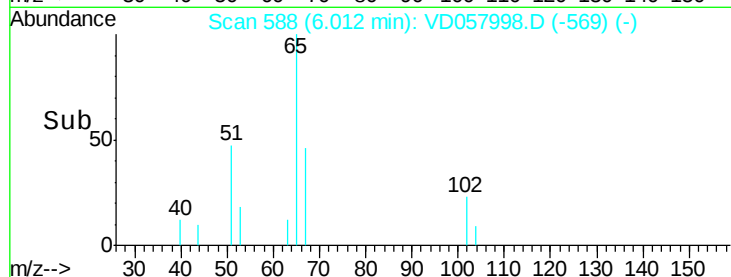
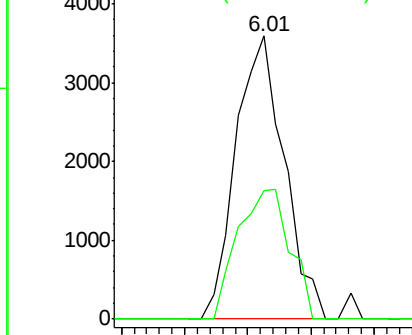
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD057998.D
 Acq: 8 Jun 2018 5:29

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-35(0-5)RE

Tgt Ion: 65 Resp: 9532
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 94.0

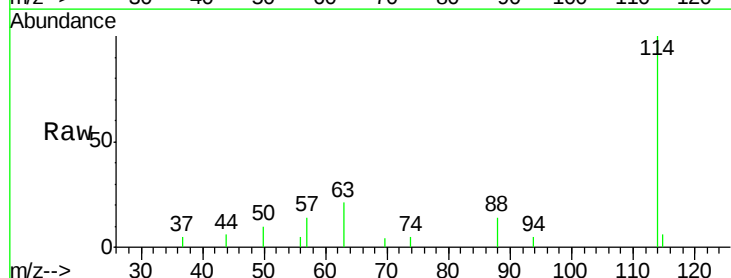


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

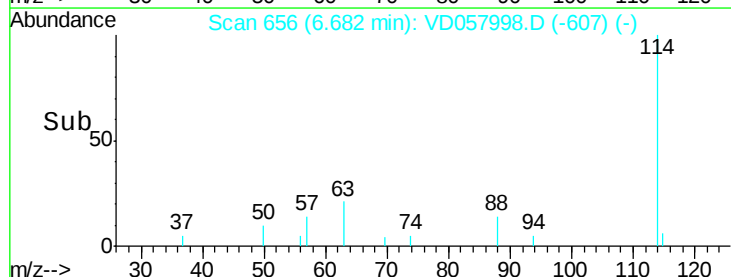
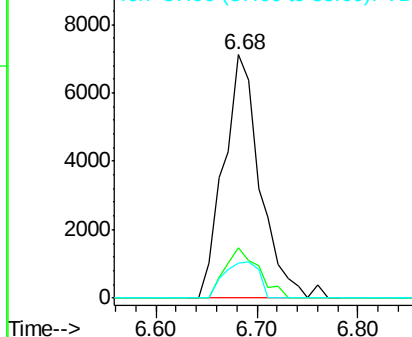


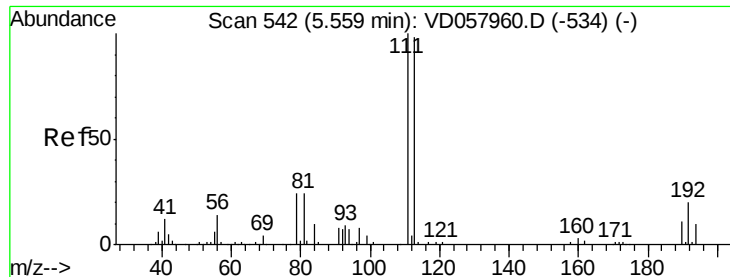
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD057998.D
 Acq: 8 Jun 2018 5:29

Tgt Ion: 114 Resp: 17834
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.8
 88 14.2 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: VD057998.D

Acq: 8 Jun 2018 5:29

Instrument :

MSVOA_D

ClientSampleId :

MH-35(0-5)RE

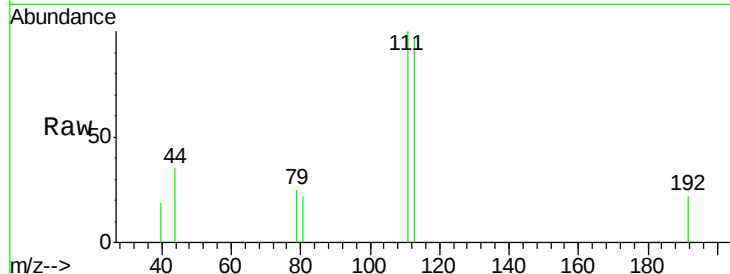
Tgt Ion:113 Resp: 6651

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

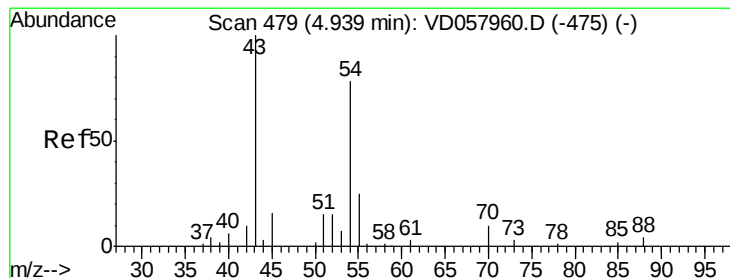
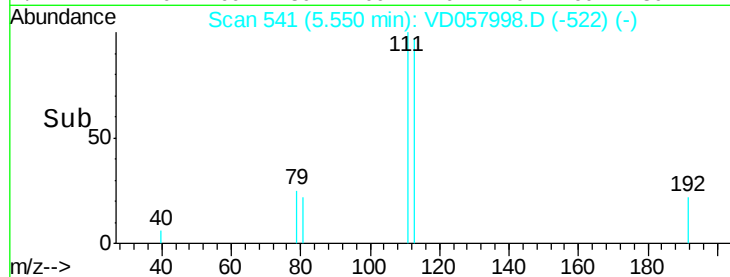
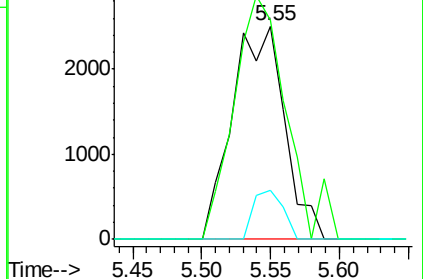
192 23.0 16.4 24.6



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



#37

Ethyl Acetate

Concen: 5.429 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.11 min

Lab File: VD057998.D

Acq: 8 Jun 2018 5:29

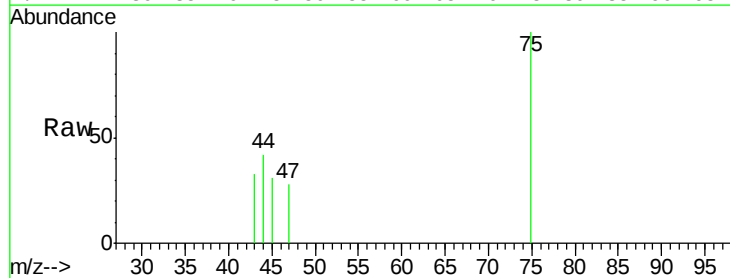
Tgt Ion: 43 Resp: 582

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

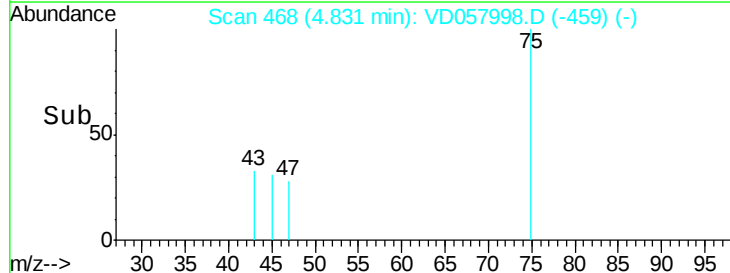
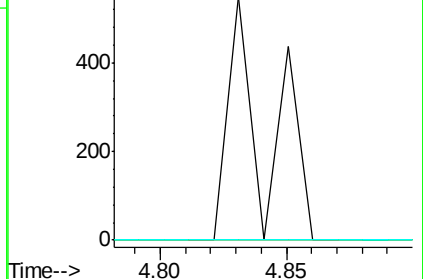
70 0.0 5.7 8.5#

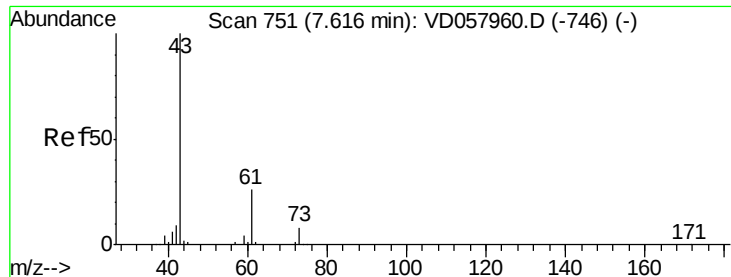


Abundance Ion 42.95 (42.65 to 43.65): V

Ion 60.95 (60.65 to 61.65): V

Ion 70.00 (69.70 to 70.70): V





#43

Isopropyl Acetate

Concen: 1.289 ug/l

RT: 7.78 min Scan# 768

Delta R.T. 0.17 min

Lab File: VD057998.D

Acq: 8 Jun 2018 5:29

Instrument :

MSVOA_D

ClientSampleId :

MH-35(0-5)RE

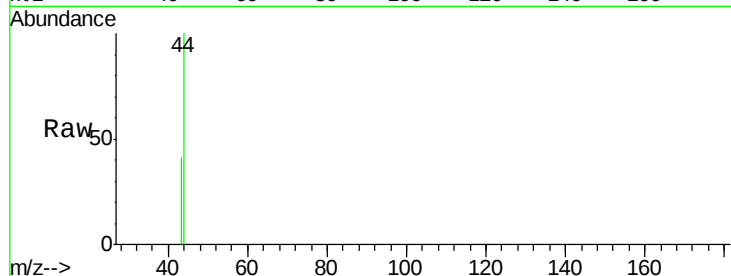
Tgt Ion: 43 Resp: 181

Ion Ratio Lower Upper

43 100

61 0.0 20.6 30.8#

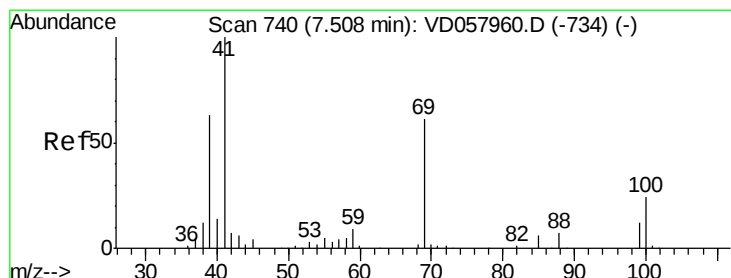
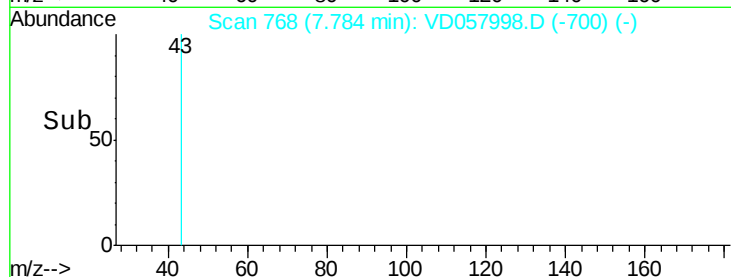
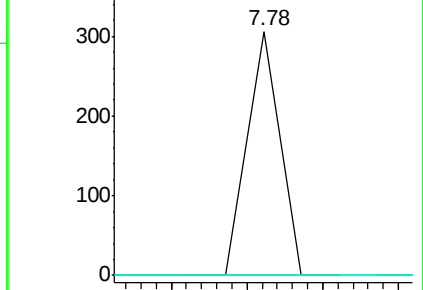
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#48

Methyl methacrylate

Concen: 2.372 ug/l

RT: 7.54 min Scan# 743

Delta R.T. 0.03 min

Lab File: VD057998.D

Acq: 8 Jun 2018 5:29

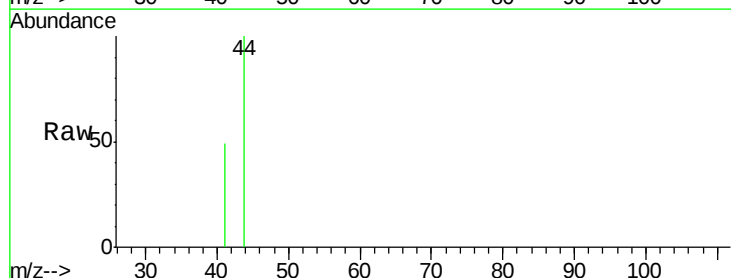
Tgt Ion: 41 Resp: 205

Ion Ratio Lower Upper

41 100

69 0.0 48.0 72.0#

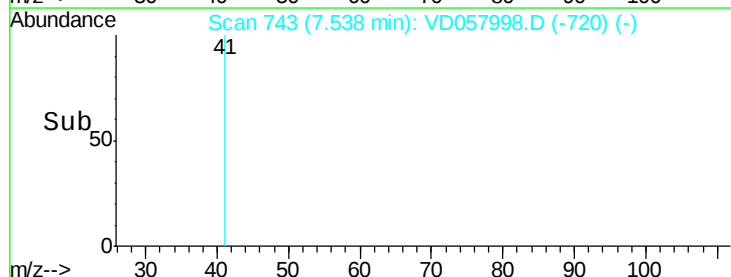
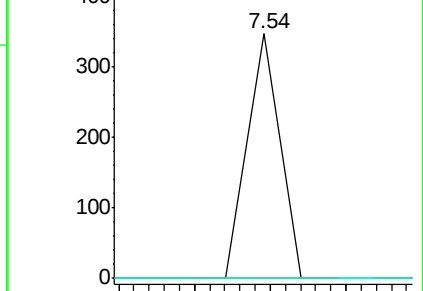
39 0.0 50.7 76.1#

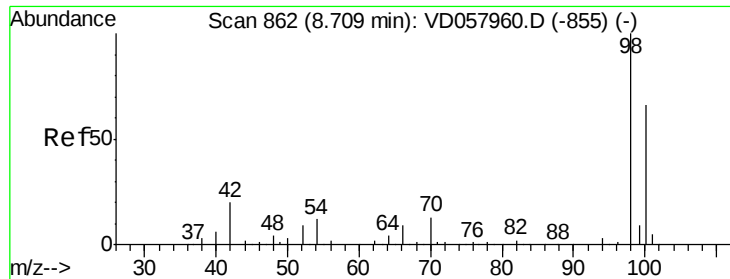


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

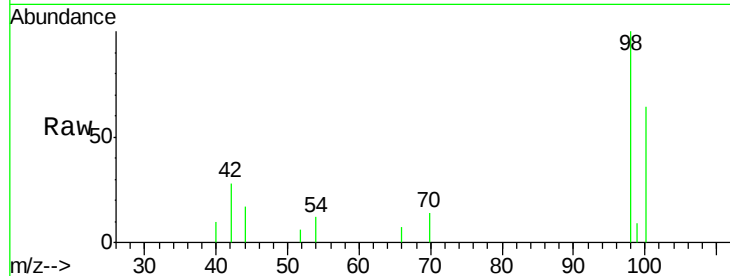




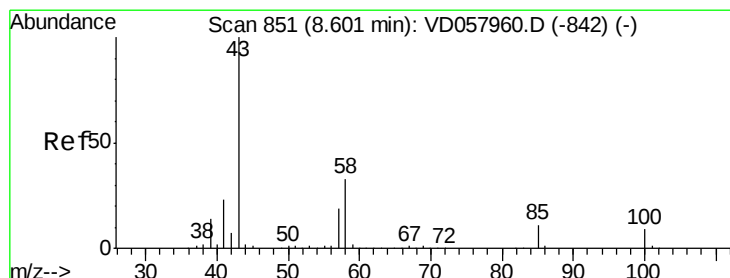
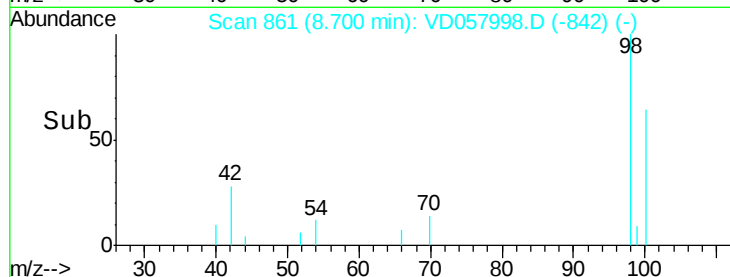
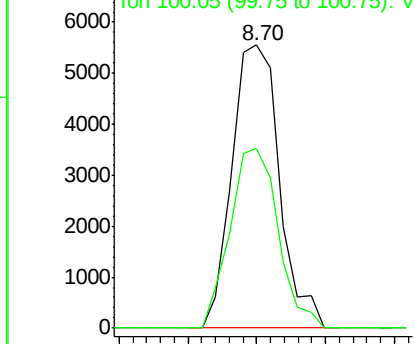
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD057998.D
Acq: 8 Jun 2018 5:29

Instrument :
MSVOA_D
ClientSampleId :
MH-35(0-5)RE

Tgt Ion: 98 Resp: 13340
Ion Ratio Lower Upper
98 100
100 63.5 53.4 80.0

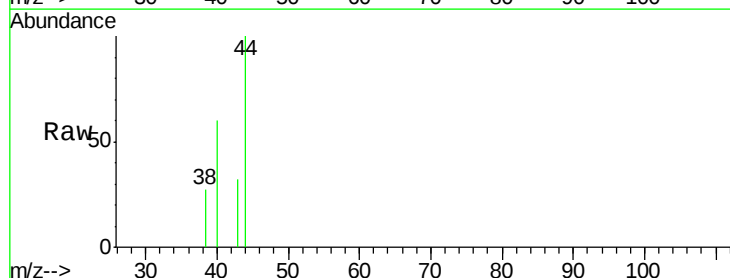


Abundance Ion 98.05 (97.75 to 98.75): VD057960.D
Ion 100.05 (99.75 to 100.75): VD057960.D

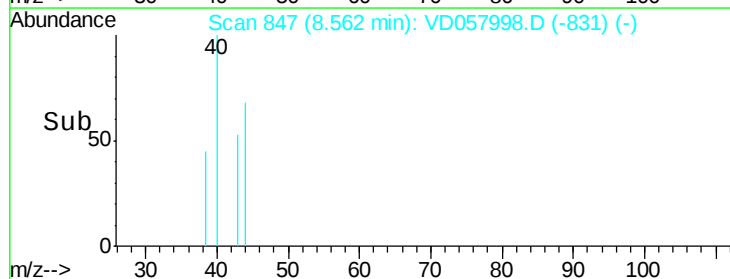
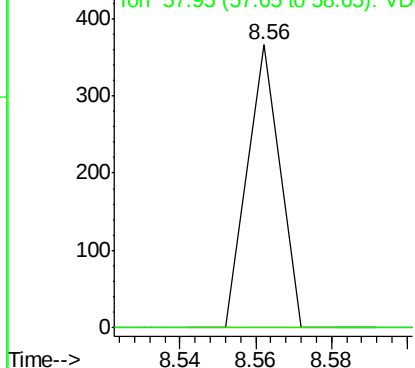


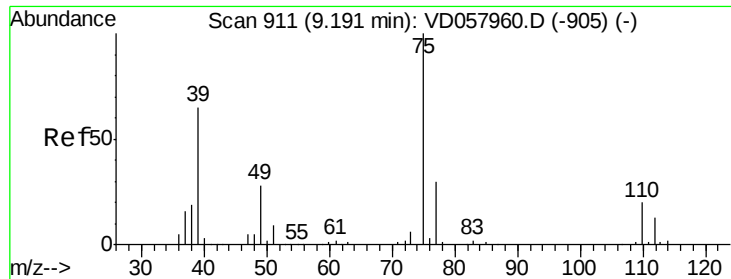
#51
4-Methyl-2-Pentanone
Concen: 2.398 ug/l
RT: 8.56 min Scan# 847
Delta R.T. -0.04 min
Lab File: VD057998.D
Acq: 8 Jun 2018 5:29

Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
58 0.0 26.2 39.4#



Abundance Ion 42.95 (42.65 to 43.65): VD057960.D
Ion 57.95 (57.65 to 58.65): VD057960.D

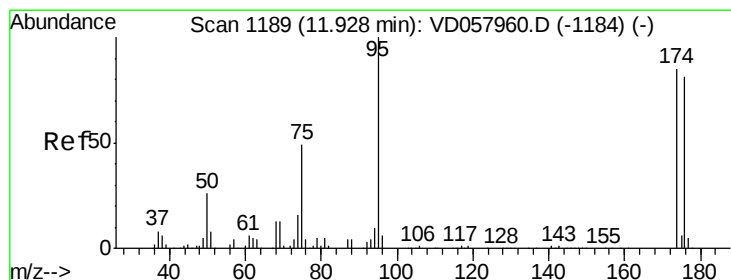
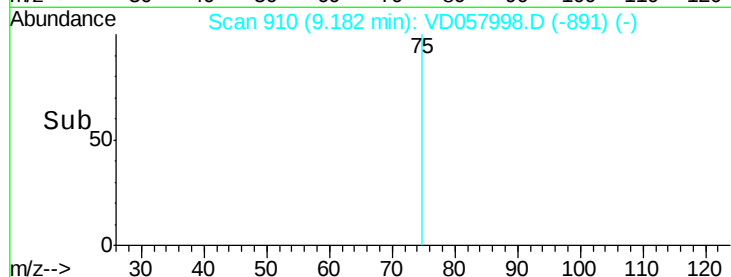
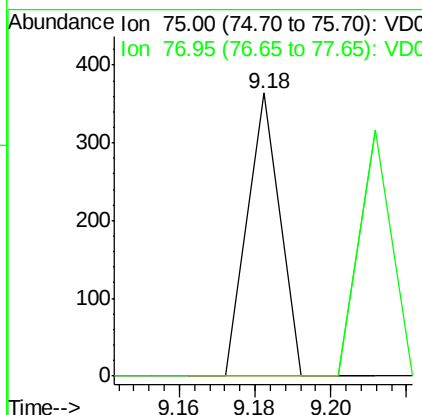
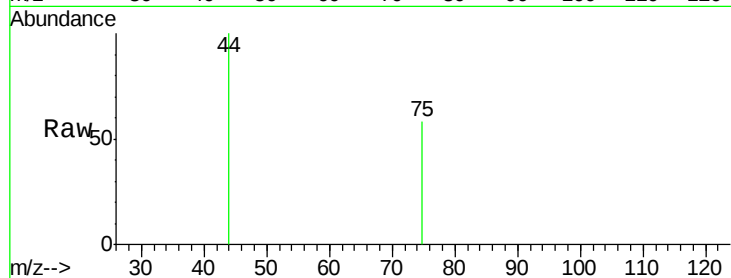




#53
t-1,3-Dichloropropene
Concen: 1.301 ug/l
RT: 9.18 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD057998.D
Acq: 8 Jun 2018 5:29

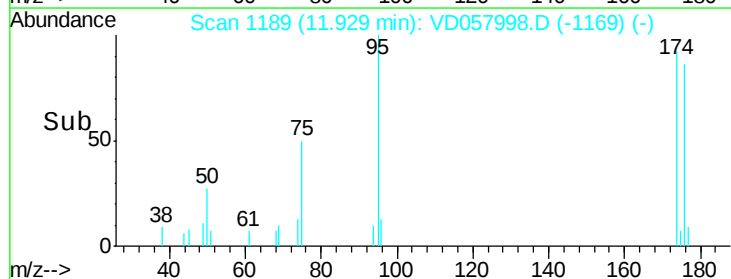
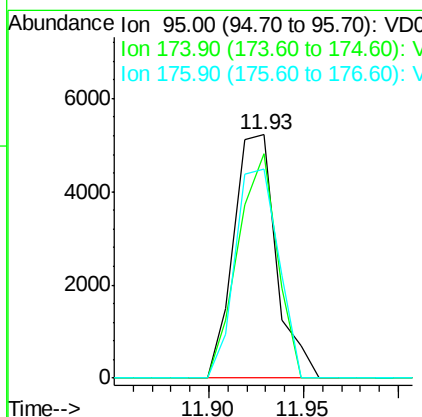
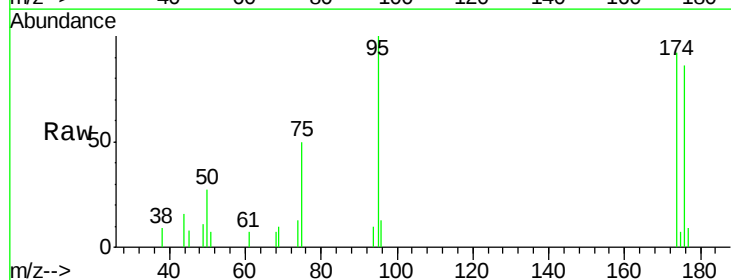
Instrument :
MSVOA_D
ClientSampleId :
MH-35(0-5)RE

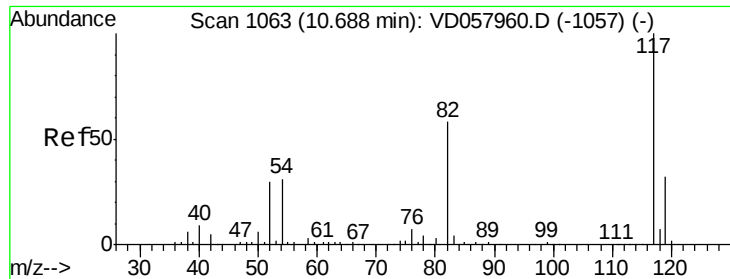
Tgt Ion: 75 Resp: 215
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD057998.D
Acq: 8 Jun 2018 5:29

Tgt Ion: 95 Resp: 8131
Ion Ratio Lower Upper
95 100
174 92.1 0.0 169.4
176 86.1 0.0 162.6

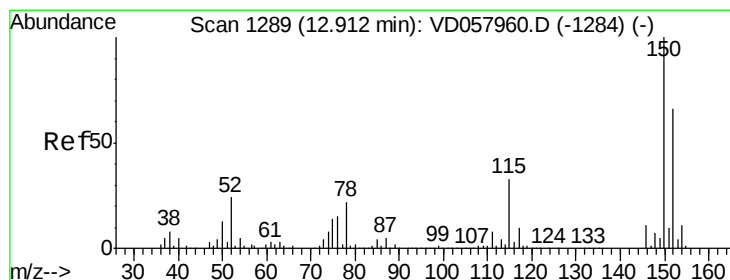
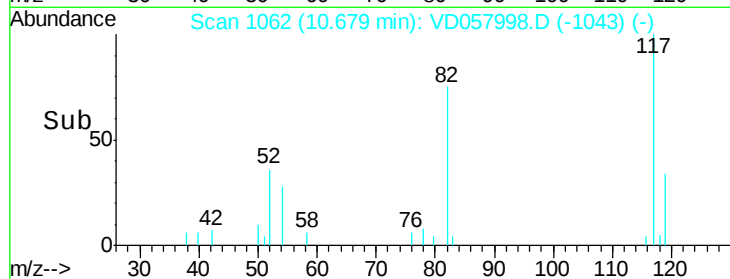
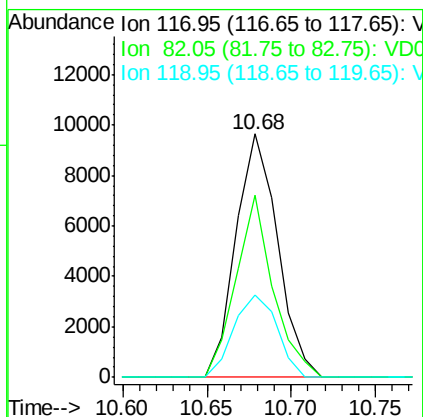
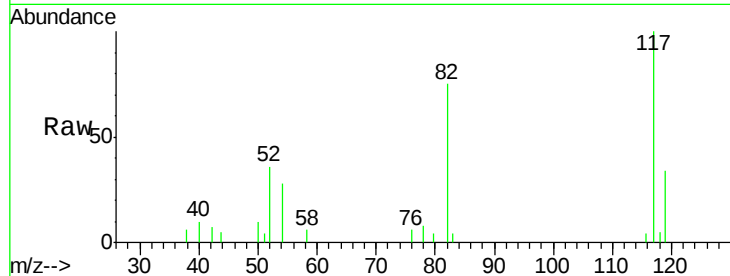




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057998.D
Acq: 8 Jun 2018 5:29

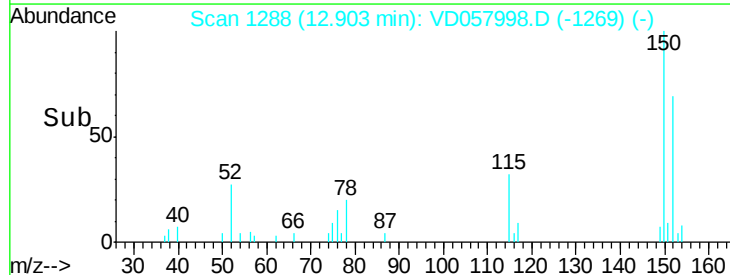
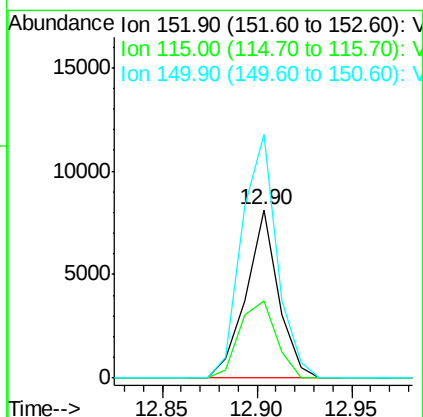
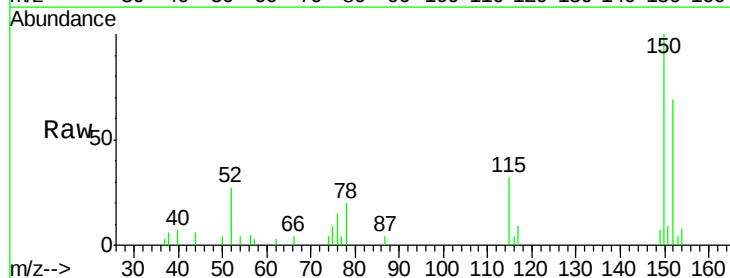
Instrument :
MSVOA_D
ClientSampleId :
MH-35(0-5)RE

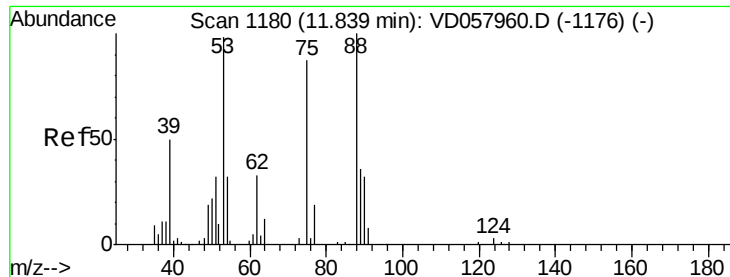
Tgt Ion:117 Resp: 16591
Ion Ratio Lower Upper
117 100
82 74.9 46.8 70.2#
119 33.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD057998.D
Acq: 8 Jun 2018 5:29

Tgt Ion:152 Resp: 9690
Ion Ratio Lower Upper
152 100
115 46.2 25.6 76.6
150 144.6 0.0 306.8





#81

trans-1,4-Dichloro-2-butene

Concen: 119.132 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD057998.D

Acq: 8 Jun 2018 5:29

Instrument :

MSVOA_D

ClientSampleId :

MH-35(0-5)RE

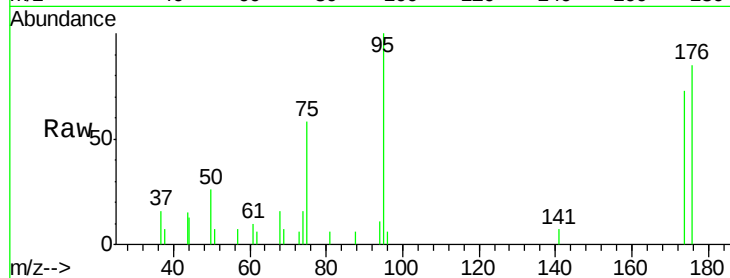
Tgt Ion: 75 Resp: 4295

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

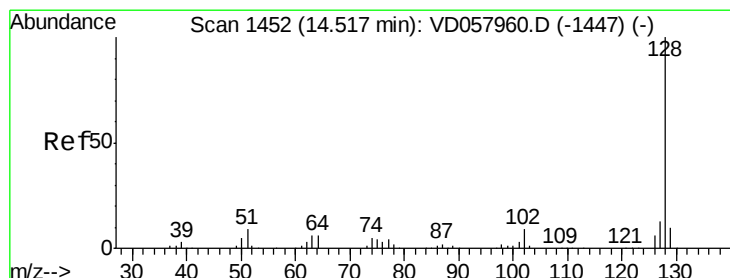
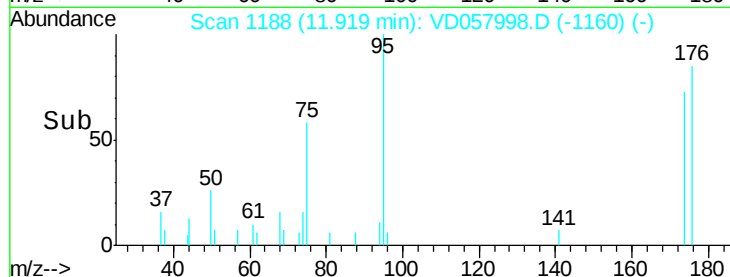
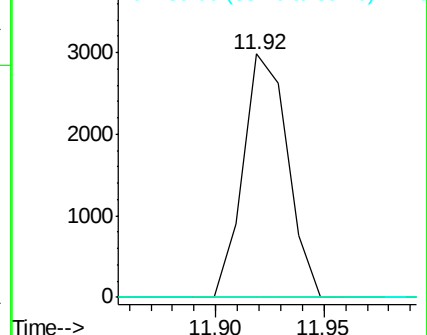
89 0.0 33.3 49.9#



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



#95

Naphthalene

Concen: 2.212 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD057998.D

Acq: 8 Jun 2018 5:29

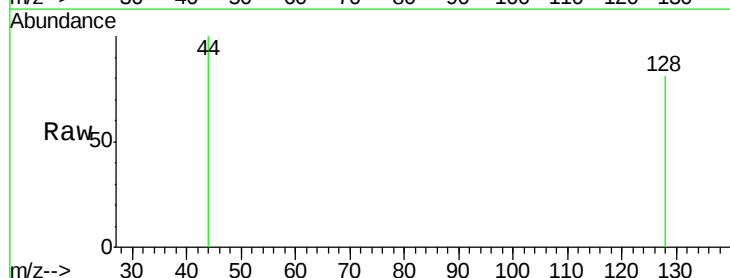
Tgt Ion: 128 Resp: 692

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.2 12.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

